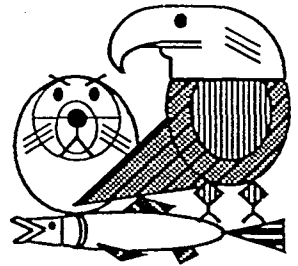


Exxon Valdez Oil Spill Trustee Council

Restoration Office

645 G Street, Suite 401, Anchorage, AK 99501-3451

Phone: (907) 278-8012 Fax: (907) 276-7178



March 23, 1994

Gabriel McKilly, Jr.
Chairman/President
Uyak Incorporated
POB 427
Kodiak, Alaska 99615

Dear Mr. McKilly:

As you may be aware, the *Exxon Valdez* Oil Spill Trustee Council is preparing an Environmental Impact Statement (EIS) on its Draft Restoration Plan. This document, (copy enclosed) when finalized, is intended to guide Trustee actions.

The purpose of this letter is to determine if there are any possible conflicts between the Draft Restoration Plan and any existing land use plans or policies within the oil spill area. If you have developed a management plan or policies for lands under your control and could make them available, please send them to Rod Kuhn, EIS project leader, at the above address. If these are not available, would you please take the time to review the Draft Restoration Plan and let Mr. Kuhn know if you anticipate any conflicts between the Draft Restoration Plan and objectives for use of your land. Please respond either way by April 8.

If you have any questions about the EIS process, please contact Mr. Kuhn at 278-8012.

Sincerely,

A large, stylized handwritten signature in black ink that reads "James R. Ayers". The signature is written over the typed name and title.

James R. Ayers
Executive Director

jra/raw

Trustee Agencies

State of Alaska: Departments of Fish & Game, Law, and Environmental Conservation

United States: National Oceanic and Atmospheric Administration, Departments of Agriculture, and Interior

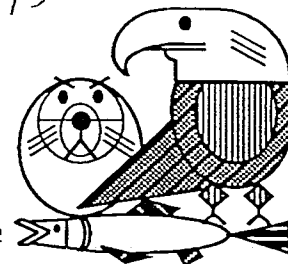
Exxon Valdez Oil Spill Trustee Council

Restoration Office

645 G Street, Suite 401, Anchorage, AK 99501-3451

Phone: (907) 278-8012 Fax: (907) 276-7178

EIS
A



March 23, 1994

Fred H. Elvsaas
Chairman/President
Seldovia Native Association Incorp.
POB Drawer L
Seldovia, Alaska 99663

Dear Mr. Elvsaas:

As you may be aware, the *Exxon Valdez* Oil Spill Trustee Council is preparing an Environmental Impact Statement (EIS) on its Draft Restoration Plan. This document, (copy enclosed) when finalized, is intended to guide Trustee actions.

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If you have any questions about the EIS process, please contact Mr. Kuhn at 278-8012.

Sincerely,

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James R. Ayers
Executive Director

jra/raw

Trustee Agencies

State of Alaska: Departments of Fish & Game, Law, and Environmental Conservation

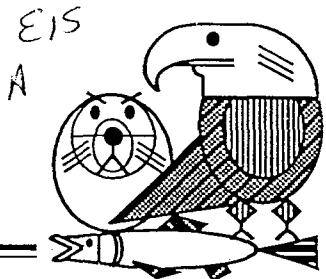
United States: National Oceanic and Atmospheric Administration, Departments of Agriculture, and Interior

Exxon Valdez Oil Spill Trustee Council

Restoration Office

645 G Street, Suite 401, Anchorage, AK 99501-3451

Phone: (907) 278-8012 Fax: (907) 276-7178



March 23, 1994

Emil Christiansen
Chairman/President
Old Harbor Native Corporation
POB 71
Old Harbor, Alaska 99643

Dear Mr. Christiansen:

As you may be aware, the *Exxon Valdez* Oil Spill Trustee Council is preparing an Environmental Impact Statement (EIS) on its Draft Restoration Plan. This document, (copy enclosed) when finalized, is intended to guide Trustee actions.

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If you have any questions about the EIS process, please contact Mr. Kuhn at 278-8012.

Sincerely,

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James R. Ayers
Executive Director

jra/raw

Trustee Agencies

State of Alaska: Departments of Fish & Game, Law, and Environmental Conservation

United States: National Oceanic and Atmospheric Administration, Departments of Agriculture, and Interior

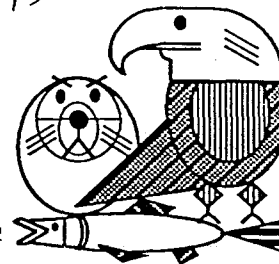
Exxon Valdez Oil Spill Trustee Council

Restoration Office

645 G Street, Suite 401, Anchorage, AK 99501-3451

Phone: (907) 278-8012 Fax: (907) 276-7178

EIS
A



March 23, 1994

Ralph Eluska
Chairman
Akhoik-Kaguyak Corporation
5028 Mills Drive
Anchorage, Alaska 99508

Dear Mr. Eluska:

As you may be aware, the *Exxon Valdez* Oil Spill Trustee Council is preparing an Environmental Impact Statement (EIS) on its Draft Restoration Plan. This document, (copy enclosed) when finalized, is intended to guide Trustee actions.

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If you have any questions about the EIS process, please contact Mr. Kuhn at 278-8012.

Sincerely,

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James R. Ayers
Executive Director

jra/raw

Trustee Agencies

State of Alaska: Departments of Fish & Game, Law, and Environmental Conservation

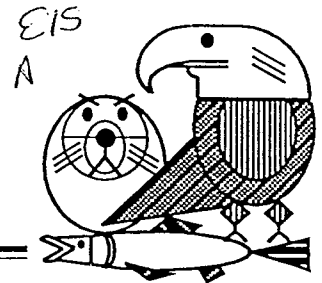
United States: National Oceanic and Atmospheric Administration, Departments of Agriculture, and Interior

Exxon Valdez Oil Spill Trustee Council

Restoration Office

645 G Street, Suite 401, Anchorage, AK 99501-3451

Phone: (907) 278-8012 Fax: (907) 276-7178



March 23, 1994

Charles W. Totemoff
Chairman/President
Chenega Corporation
POB 60
Chenega Bay, Alaska 99574-9999

Dear Mr. Totemoff:

As you may be aware, the *Exxon Valdez* Oil Spill Trustee Council is preparing an Environmental Impact Statement (EIS) on its Draft Restoration Plan. This document, (copy enclosed) when finalized, is intended to guide Trustee actions.

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If you have any questions about the EIS process, please contact Mr. Kuhn at 278-8012.

Sincerely,

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James R. Ayers
Executive Director

jra/raw

Trustee Agencies

State of Alaska: Departments of Fish & Game, Law, and Environmental Conservation

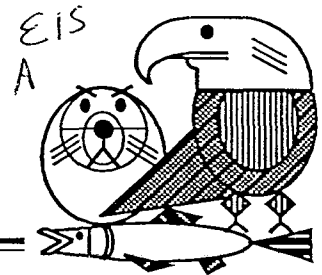
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Exxon Valdez Oil Spill Trustee Council

Restoration Office

645 G Street, Suite 401, Anchorage, AK 99501-3451

Phone: (907) 278-8012 Fax: (907) 276-7178



March 23, 1994

Cook Inlet Region Inc.
Attn: Land and Resource Department
POB 93330
Anchorage, Alaska 99509

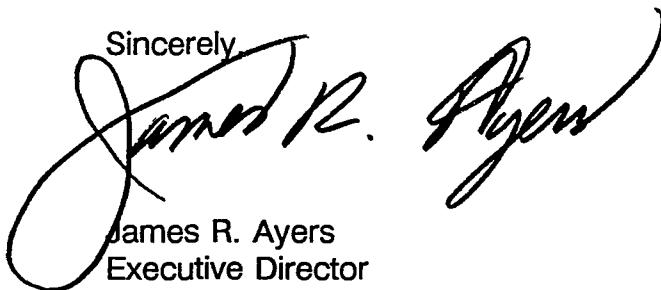
Dear Ladies and Gentlemen:

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If you have any questions about the EIS process, please contact Mr. Kuhn at 278-8012.

Sincerely,



James R. Ayers
Executive Director

jra/raw

Trustee Agencies

State of Alaska: Departments of Fish & Game, Law, and Environmental Conservation

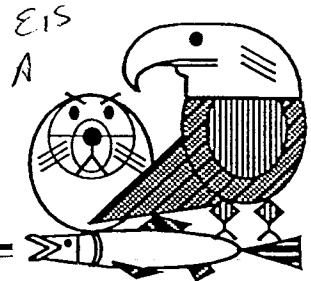
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Exxon Valdez Oil Spill Trustee Council

Restoration Office

645 G Street, Suite 401, Anchorage, AK 99501-3451

Phone: (907) 278-8012 Fax: (907) 276-7178



March 23, 1994

Michael E. Brown, President
Chugach Alaska Corporation
560 East 34th Street #200
Anchorage, Alaska 99503

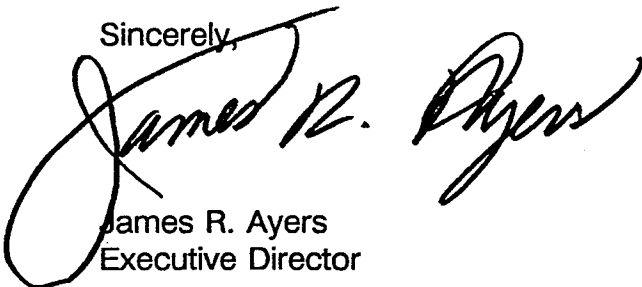
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If you have any questions about the EIS process, please contact Mr. Kuhn at 278-8012.

Sincerely,



James R. Ayers
Executive Director

jra/raw

Trustee Agencies

State of Alaska: Departments of Fish & Game, Law, and Environmental Conservation

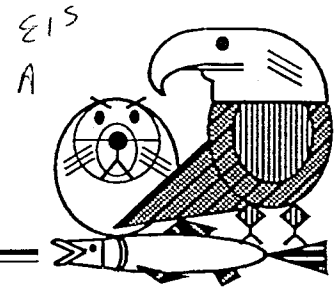
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Exxon Valdez Oil Spill Trustee Council

Restoration Office

645 G Street, Suite 401, Anchorage, AK 99501-3451

Phone: (907) 278-8012 Fax: (907) 276-7178



March 23, 1994

Donna Nadell
President
Eyak Coporation
POB 340
Cordova, Alaska 99574

Dear Ms. Nadell:

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If you have any questions about the EIS process, please contact Mr. Kuhn at 278-8012.

Sincerely,

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James R. Ayers
Executive Director

jra/raw

Trustee Agencies

State of Alaska: Departments of Fish & Game, Law, and Environmental Conservation

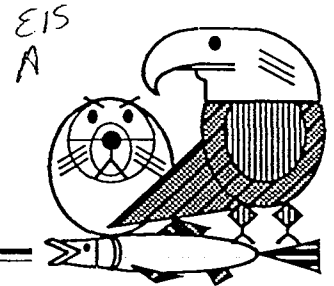
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Exxon Valdez Oil Spill Trustee Council

Restoration Office

645 G Street, Suite 401, Anchorage, AK 99501-3451

Phone: (907) 278-8012 Fax: (907) 276-7178



March 23, 1994

John Merrick
Manager of Lands and Resources
Koniag Incorporated
4300 B Street # 407
Anchorage, Alaska 99503

Dear Mr. Merrick:

As you may be aware, the *Exxon Valdez* Oil Spill Trustee Council is preparing an Environmental Impact Statement (EIS) on its Draft Restoration Plan. This document, (copy enclosed) when finalized, is intended to guide Trustee actions.

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James R. Ayers
Executive Director

jra/raw

Trustee Agencies

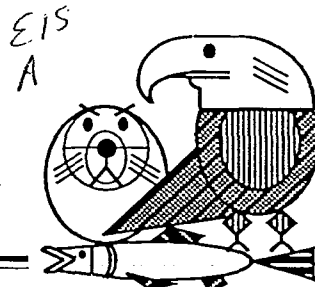
State of Alaska: Departments of Fish & Game, Law, and Environmental Conservation
United States: National Oceanic and Atmospheric Administration, Departments of Agriculture, and Interior

Exxon Valdez Oil Spill Trustee Council

Restoration Office

645 G Street, Suite 401, Anchorage, AK 99501-3451

Phone: (907) 278-8012 Fax: (907) 276-7178



March 23, 1994

President
Leisnoi-Trillium Joint Venture
1313 Commercial
Bellingham, Washington 98225

Dear Madam or Sir:

As you may be aware, the *Exxon Valdez* Oil Spill Trustee Council is preparing an Environmental Impact Statement (EIS) on its Draft Restoration Plan. This document, (copy enclosed) when finalized, is intended to guide Trustee actions.

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James R. Ayers
Executive Director

jra/raw

Trustee Agencies

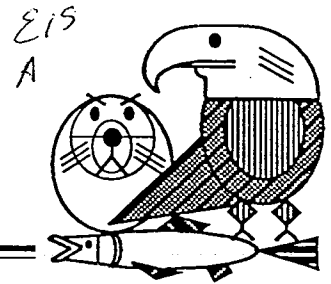
State of Alaska: Departments of Fish & Game, Law, and Environmental Conservation
United States: National Oceanic and Atmospheric Administration, Departments of Agriculture, and Interior

Exxon Valdez Oil Spill Trustee Council

Restoration Office

645 G Street, Suite 401, Anchorage, AK 99501-3451

Phone: (907) 278-8012 Fax: (907) 276-7178



March 23, 1994

Jean Galvano
Project Director
Mt. Marathon Native Association
POB 1467
Seward, Alaska 99667

Dear Jean Galvano:

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James R. Ayers
Executive Director

jra/raw

Trustee Agencies

State of Alaska: Departments of Fish & Game, Law, and Environmental Conservation

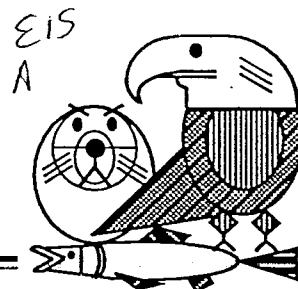
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Exxon Valdez Oil Spill Trustee Council

Restoration Office

645 G Street, Suite 401, Anchorage, AK 99501-3451

Phone: (907) 278-8012 Fax: (907) 276-7178



March 23, 1994

Vincent Kvansikoff
President
Nanwalek Traditional Council
POB 8065
Homer, Alaska 99603-6686

Dear Mr. Kvansikoff:

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If you have any questions about the EIS process, please contact Mr. Kuhn at 278-8012.

Sincerely,

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James R. Ayers
Executive Director

jra/raw

Trustee Agencies

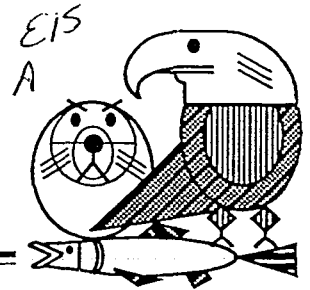
State of Alaska: Departments of Fish & Game, Law, and Environmental Conservation
United States: National Oceanic and Atmospheric Administration, Departments of Agriculture, and Interior

Exxon Valdez Oil Spill Trustee Council

Restoration Office

645 G Street, Suite 401, Anchorage, AK 99501-3451

Phone: (907) 278-8012 Fax: (907) 276-7178



March 23, 1994

William Anderson
Ouzinkie Corporation
POB 89
Ouzinkie, Alaska 99644

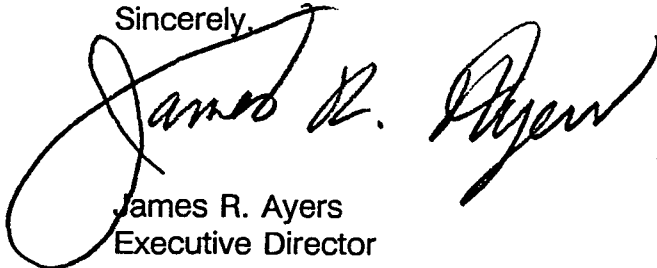
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James R. Ayers
Executive Director

jra/raw

Trustee Agencies

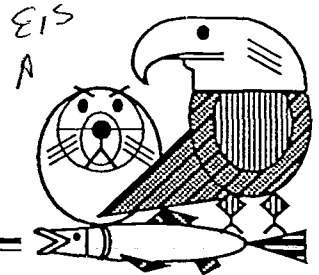
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Exxon Valdez Oil Spill Trustee Council

Restoration Office

645 G Street, Suite 401, Anchorage, AK 99501-3451

Phone: (907) 278-8012 Fax: (907) 276-7178



March 23, 1994

Patrick Norman
President/CEO
Port Graham Corporation
POB PGM
Port Graham, Alaska 99603-8998

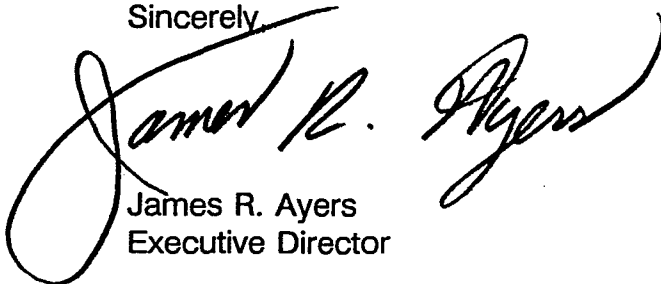
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James R. Ayers
Executive Director

jra/raw

Trustee Agencies

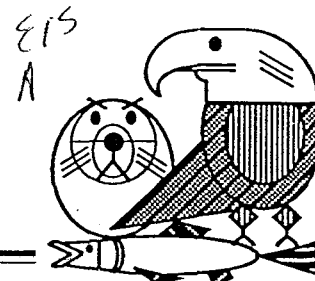
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Exxon Valdez Oil Spill Trustee Council

Restoration Office

645 G Street, Suite 401, Anchorage, AK 99501-3451

Phone: (907) 278-8012 Fax: (907) 276-7178



March 23, 1994

Howard Valley
General Manager
Afognak Joint Venture
POB 1277
Kodiak, Alaska 99615

Dear Mr. Valley:

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If you have any questions about the EIS process, please contact Mr. Kuhn at 278-8012.

Sincerely,

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James R. Ayers
Executive Director

jra/raw

Trustee Agencies

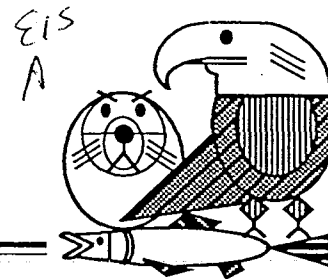
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Exxon Valdez Oil Spill Trustee Council

Restoration Office

645 G Street, Suite 401, Anchorage, AK 99501-3451

Phone: (907) 278-8012 Fax: (907) 276-7178



March 23, 1994

Mary A. Gordaoff
President
Tatitlek Corporation
POB 650
Cordova, Alaska 99574

Dear Ms. Gordaoff:

As you may be aware, the *Exxon Valdez* Oil Spill Trustee Council is preparing an Environmental Impact Statement (EIS) on its Draft Restoration Plan. This document, (copy enclosed) when finalized, is intended to guide Trustee actions.

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If you have any questions about the EIS process, please contact Mr. Kuhn at 278-8012.

Sincerely,

A handwritten signature in black ink, appearing to read "James R. Ayers". The signature is fluid and cursive, with a large initial "J" and "A".

James R. Ayers
Executive Director

jra/raw

Trustee Agencies

State of Alaska: Departments of Fish & Game, Law, and Environmental Conservation
United States: National Oceanic and Atmospheric Administration, Departments of Agriculture, and Interior

EIS
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United States Department of the Interior



OFFICE OF THE SECRETARY

1689 C Street, Suite 100
Anchorage, Alaska 99501-5151

March 31, 1994

Rod Kuhn, EIS Project Manager
Exxon Valdez Oil Spill Trustee Council
645 G Street
Anchorage, Alaska 99501

Dear Mr. Kuhn:

Enclosed are the comments of the Fish and Wildlife Service, the National Park Service and the Bureau of Indian Affairs on the Exxon Valdez Oil Spill Trustee Council's Draft Restoration Plan. If you have any questions, please call me at 271-5485.

Sincerely,

Deborah L. Williams
Special Assistant to the Secretary

FOR Admin REC.

Enclosures (3)

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002

03/29/94 14:32

ASSOC MGR RW



IN REPLY REFER TO:

RS/PL/0036.MRH

United States Department of the Interior

FISH AND WILDLIFE SERVICE
1011 E. Tudor Rd.
Anchorage, Alaska 99508



MAR 25 1994

Memorandum

To: Special Assistant to the Secretary for Alaska

From: Regional Director
Region 7

Subject: Review of the Exxon Valdez Oil Spill Restoration Plan

The Fish and Wildlife Service has reviewed the Draft Exxon Valdez Oil Spill Restoration Plan (Draft Restoration Plan) to determine, in accordance with the requirements of Council on Environmental Quality regulation 1502.16(c), if there are possible conflicts between the proposed action and the objectives of the Comprehensive Conservation Plans (CCPs) for Alaska Maritime, Alaska Peninsula/Becharof, and Kodiak National Wildlife Refuges.

The general nature of the Draft Restoration Plan makes it difficult to determine whether there would be any conflicts with the management direction presented in the CCPs for the affected refuges. It appears that certain future actions which may be undertaken, specifically actions resulting in development of new facilities, employing habitat manipulation techniques, or otherwise impacting refuge lands, could be in conflict with the provisions of the CCPs. Such projects are likely to have environmental impacts and should be addressed in site-specific environmental assessments or, if necessary, environmental impact statements, according to the discussion on implementation of the restoration plan (page 7).

Our primary concern is that we continue to be informed of restoration activities planned for refuge lands. Our input on these projects should be sought early in the planning process so that potential conflicts can be identified and resolved, hopefully to the satisfaction of all concerned parties, without additional impacts to refuge lands and resources.

Thank you for the opportunity to provide input on the environmental impact statement for the Draft Restoration Plan at this early stage in its development. If you have any questions regarding our response, or wish to discuss this issue further, contact Leslie Kerr, Chief of Refuge Planning at 786-3502.

Walt Stiefitz

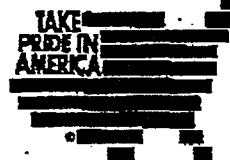
03/29/94 15:36 907 257 2533



United States Department of the Interior

NATIONAL PARK SERVICE

Alaska Regional Office
2525 Gambell Street, Room 107
Anchorage, Alaska 99503-2892



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IN REPLY REFER TO:

MAR 29 1994

Memorandum

To: Special Assistant to the Secretary for Alaska

From: Regional Director, National Park Service

Subject: Exxon Valdez Oil Spill Draft Restoration Plan,
Environmental Impact Statement

The National Park Service is very familiar with the draft restoration plan produced by the Trustee Council. We are not aware of any conflicts between that plan and objectives of National Park Service land use plans for parks in the spill area. If you need any further information regarding this matter, please contact Sandy Rabinowitch, Acting Chief, Coastal Programs Division at 257-2653.

John M. Morehead
John M. Morehead

MAR-30-94 WED 15:48

BIA BRANCH OF ROADS

FAX NO. 9075867357

P. 01

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UNITED STATES GOVERNMENT

memorandum

DATE: March 30, 1994

REPLY TO
ATTN OF: Area Director

BUREAU OF INDIAN AFFAIRS

SUBJECT: Exxon Valdez Draft Restoration Plan

JUNEAU AREA OFFICE

TO: Special Assistant to the Secretary for Alaska

In response to your memorandum of March 17, 1994, the Bureau of Indian Affairs submits a negative response. There are no conflicts between the proposed action(s) and land use plans for restricted Native allotments managed by the Bureau.

However, the Bureau will continue to work with the affected tribes to ensure subsistence activities and resources are restored and protected.

Niles C. Cesar
Niles C. Cesar

Post-It™ brand fax transmittal memo 7671		# of pages >	1
To	<i>Ron McCoy</i>	From	<i>C. Borch</i>
Co.		Co.	
Dept.		Phone #	
Fax #	<i>271-4102</i>	Fax #	

3-7-94 EIS Team Mtg

(EIS
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Here: Rod, Fred, Bill, Me (Karen in JNU)

- Discuss Rod's revised budget allocation exercise - i.e., paper exercise document for figs (\$) to work up for allocating \$ to various projects ...

Rod's Program for Alt 5:

	<u>% Tot</u>
Habitat acq	40
MFR	15
GR	30
Admin	5
Endow	10
	<u>100%</u>

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March 7, 1994

IMPACT TOPICS AND RELATED PROJECTS PROPOSED FOR ANALYSIS IN THE ENVIRONMENTAL IMPACT STATEMENT

Impact Topics Identified by the Public

During the scoping that was done for the environmental impact statement (EIS) and the draft Restoration Plan (Plan), the public identified the resources and services shown in the following Table-1 as being injured by the spill.

Table-1

Resources and Services Identified in Scoping					
Mammals	Fish and Shellfish	Birds	Services	Other resources	Intertidal organisms
Harbor seal	Cutthroat trout	Bald eagle	Commercial fishing	Air, water, and sediments	Seaweed
Sea otter	Dolly Varden	Black oystercatcher	Commercial tourism	Archaeological resources	Snail
Killer whale	Pacific herring	Common murre	Passive use	Designated wilderness areas	Barnacle
River otter	Pink salmon	Harlequin duck	Recreation including		Sea Urchin
Black bear	Sockeye salmon	Marbled murrelet	sport fishing,		
Mountain goat	Rockfish	Pigeon guillemot	sport hunting,		
Deer	Tom cod	Eider duck	and other		
Mink	Silver salmon	Other ducks	recreation use		
Dall porpoise	Northern smooth tongue	Swan	Subsistence		
Sea lion	Dog salmon	Brant			
	King salmon	Canada geese			
	Bottomfish	Loon			
	Candle fish	Cormorant			
	King crab	Grebe			
	Tanner crab	Bonaparte's gull			
	Dungeness crab	Arctic tern			
	Shrimp	Black-legged kittiwake			
		Tufted puffin			

The injury status of these resources was evaluated in the development of the Plan and was displayed in Appendix B, tables B-4, B-5 and B-6 (pp. 35-55). Some of the resources identified in Table-1 showed no oil spill mortality. This was especially true of the terrestrial mammals. Several other resources showed no measured population decline as a result of the spill injury. There were other resources identified which are recovering.

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The "Brochure" published in April, 1993, listed the following sets of resources which were injured by the oil spill and categorized the biological resources by whether or not a population decline had occurred.

Table-2
Resources and Services Injured by the Oil Spill

RESOURCES			SERVICES (Human Uses)
Population Decline	Injured, but No Population Decline	Other	
Black oystercatcher Common murre Harbor seal Harlequin duck Intertidal organisms Marbled murrelet Pigeon guillemot Sea otter Sockeye salmon Subtidal organisms	Bald eagle * Cutthroat trout * Dolly Varden * Killer whale Pacific herring * Pink salmon River otter Rockfish	Air, water, and sediments Archaeological resources Designated wilderness areas	Commercial fishing Commercial tourism Passive use Recreation including sport fishing, sport hunting, and other recreation use Subsistence

* For these species, the Trustees' scientists have considerable disagreement over the conclusions to be drawn from the results of the damage assessment studies.

In the draft Restoration Plan released on November 28, 1993, Table B-1, there was a slightly different grouping from that shown in the "Brochure." The injured biological resources were grouped by recovery status not population decline. The other resources and human uses injured are also shown below.

Table-3 (Table B-1 from the draft Restoration Plan)

INJURED RESOURCES		LOST OR REDUCED SERVICES (Human Uses)
BIOLOGICAL RESOURCES	OTHER	
Recovering Bald eagle Black oystercatcher Intertidal organisms (some) Killer whale Sockeye salmon (Red Lake) Subtidal organisms (some)	Not recovering Common murre Harbor seal Harlequin duck Intertidal organisms (some) Marbled murrelet Pacific herring Pigeon guillemot Sea otter Sockeye salmon (Kenai River) Subtidal organisms (some)	Archaeological resources Designated wilderness areas
Recovery Unknown Clams Cutthroat trout Dolly Varden River otter Rockfish		Commercial fishing Passive use Recreation and Tourism including sport fishing, sport hunting, and other recreation use Subsistence

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The Scope of the Analysis in the EIS

The Trustee Council uses funds from the civil settlement for activities to restore injured resources and services. It *does not* manage fish and wildlife resources or manage land. Fish and game management decisions are made by fish and game boards, or by appropriate federal or state agencies. The Trustee Council may fund research to provide information to those agencies or other groups. Therefore the EIS will limit its analysis to those actions funded by the Trustee Council which impact (positively or negatively) the resources identified as the subject of some action.

Monitoring and research, as an action, generally does not impact resources and services and will only be analyzed for its economic impacts. It is recognized that the General Restoration category also includes such actions as data gathering, surveys, and analysis which would not impact the resources and thus would not be included in the EIS analysis except for the impacts on the economy.

Impact Topics which would be dropped from detailed analysis in the EIS

After consideration of the available information, the interdisciplinary team (IDT) members made these recommendations concerning how each of the resources should be handled in the EIS process.

The following are the IDT recommendations:

Those resources which are currently recovering would not be the subject of actions under any of the proposed alternatives with the exception that monitoring and research may be done to assure that the resources do recover.

- Bald eagle
- Black oystercatcher
- Intertidal organisms (some)
- Killer whale
- Subtidal organisms (some)

These resources' recovery status is unknown at this time. They would not be analyzed in the EIS, except as noted, because they represent a minor portion of the various alternatives and thus would have few actions associated with them.

- Cutthroat trout (except creating or enhancing runs for sport fishing which was injured)
- Dolly Varden (except creating or enhancing runs for sport fishing which was injured)
- River otter
- Rockfish

Human uses:

- Sport hunting - Sport hunting is most directly affected by specific agency regulations of the Alaska Department of Fish and Game (ADF&G).
- Passive uses - Injuries to passive uses are tied to public perceptions of injured resources. Any restoration objective which aids recovery of injured resources, or prevents further injuries, will assist recovery of passive use values. Passive uses will have recovered when people perceive that aesthetic and intrinsic values associated with the spill area are no longer diminished by the oil spill.

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Impact Topics which would be analyzed in the EIS

The following table shows the impact topics (those items impacted by the actions in an alternative) and the estimated or assumed array of actions which could reasonably take place in any of the five alternatives to be analyzed in the EIS. It is important to note and understand that this list represents assumptions for analysis purposes only and would in no way constitute a commitment on the part of any agency or the Trustee Council to do any of the actions or preclude them from doing actions not identified.

IMPACT TOPICS AND ASSOCIATED PROPOSED ACTIONS BY ALTERNATIVE

Impact topic	Action	Alternatives					Comments
		1 No Action	2 Habitat Protection	3 Limited restoration	4 Moderate Restoration	5 (Proposed Action) Comprehensive Restoration (Modified) (draft Restoration Plan)	
Pink Salmon (wild stocks)	Habitat protection and acquisition		X	X	X	X	
	Migration corridor improvements					X	
	Egg boxes					X	
	Net pens					X	
	Hatchery rearing					X	
	Habitat improvement					X	
	Relocate hatchery runs				X	X	

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IMPACT TOPICS AND ASSOCIATED PROPOSED ACTIONS BY ALTERNATIVE

Impact topic	Action	Alternatives					Comments
		1 No Action	2 Habitat Protection	3 Limited restoration	4 Moderate Restoration	5 (Proposed Action) Comprehensive Restoration (Modified) (draft Restoration Plan)	
Sockeye Salmon (wild stocks)	Habitat protection and acquisition		X	X	X	X	
	Migration corridor improvements					X	
	Nutrient enrichment				X	X	
	Egg boxes			X	X	X	
	Net pens			X	X	X	
	Hatchery rearing			X	X	X	
	Relocate hatchery runs				X	X	
Pacific herring	Habitat protection and acquisition		X	X	X	X	No General Restoration actions are proposed at this time.

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IMPACT TOPICS AND ASSOCIATED PROPOSED ACTIONS BY ALTERNATIVE

Impact topic	Action	Alternatives					Comments
		1 No Action	2 Habitat Protection	3 Limited restoration	4 Moderate Restoration	5 (Proposed Action) Comprehensive Restoration (Modified) (draft Restoration Plan)	
Clams	Mariculture clams					X	
	Clean sediment				X	X	
<i>Fucus</i>	Transplant <i>Fucus</i>			X	X	X	
Harbor seals	Habitat protection and acquisition		X	X	X	X	
	Reduce disturbance			X	X	X	
	Cooperative program with subsistence users			X	X	X	
Sea otters	Habitat protection and acquisition		X	X	X	X	
	Clean mussel beds			X	X	X	
	Cooperative program with subsistence users			X	X	X	

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IMPACT TOPICS AND ASSOCIATED PROPOSED ACTIONS BY ALTERNATIVE

Impact topic	Action	Alternatives					Comments
		1 No Action	2 Habitat Protection	3 Limited restoration	4 Moderate Restoration	5 (Proposed Action) Comprehensive Restoration (Modified) (draft Restoration Plan)	
Common murre	Habitat protection and acquisition		X	X	X	X	
	Predator control			X	X	X	Limited geographically in Alts 2,3, & 5
	Reduce disturbance					X	
Harlequin duck	Habitat protection and acquisition		X	X	X	X	
	Clean mussel beds			X	X	X	
Marbled murrelet	Habitat protection and acquisition		X	X	X	X	
Pigeon guillemot	Habitat protection and acquisition		X	X	X	X	
	Predator control			X	X	X	
	Reduce disturbance					X	

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IMPACT TOPICS AND ASSOCIATED PROPOSED ACTIONS BY ALTERNATIVE

Impact topic	Action	Alternatives					Comments
		1 No Action	2 Habitat Protection	3 Limited restoration	4 Moderate Restoration	5 (Proposed Action) Comprehensive Restoration (Modified) (draft Restoration Plan)	
Commercial fishing	Habitat protection and acquisition		X	X	X	X	
	Enhance or create replacement runs			X	X	X	
	Enhance existing runs of uninjured pink and sockeye salmon				X	X	Sockeye salmon in Coghill Lake
	Hatchery rearing				X	X	
	Relocate hatchery runs				X	X	
Sport fishing	Habitat protection and acquisition		X	X	X	X	
	Create new fisheries			X	X	X	

IMPACT TOPICS AND ASSOCIATED PROPOSED ACTIONS BY ALTERNATIVE

Impact topic	Action	Alternatives					Comments
		1 No Action	2 Habitat Protection	3 Limited restoration	4 Moderate Restoration	5 (Proposed Action) Comprehensive Restoration (Modified) (draft Restoration Plan)	
Recreation	Habitat protection and acquisition		X	X	X	X	
	Create new opportunities					X	
	Stabilize existing opportunities			X	X	X	
	Improve existing opportunities				X	X	
	Promote public land recreation use					X	
Tourism	Habitat protection and acquisition		X*	X*	X*	X*	* The actions identified for tourism are the same as those for recreation.

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IMPACT TOPICS AND ASSOCIATED PROPOSED ACTIONS BY ALTERNATIVE

Impact topic	Action	Alternatives					Comments
		1 No Action	2 Habitat Protection	3 Limited restoration	4 Moderate Restoration	5 (Proposed Action) Comprehensive Restoration (Modified) (draft Restoration Plan)	
Subsistence	Habitat protection and acquisition		X	X	X	X	
	Clean mussel beds				X	X	
	Mariculture clams				X	X	
	Food testing			X	X	X	
	Provide new access				X	X	
	Enhance or create fish runs				X	X	



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IMPACT TOPICS AND ASSOCIATED PROPOSED ACTIONS BY ALTERNATIVE

Impact topic	Action	Alternatives					Comments
		1 No Action	2 Habitat Protection	3 Limited restoration	4 Moderate Restoration	5 (Proposed Action) Comprehensive Restoration (Modified) (draft Restoration Plan)	
Archaeology	Habitat protection and acquisition		X	X	X	X	
	Archaeology Repository		X	X	X	X	
	Salvage sites				X	X	
	Implement site stewardship program			X	X	X	
	Preserve sites (stabilization)			X	X	X	
	Acquire replacement artifacts				X	X	
Designated wilderness	Habitat protection and acquisition		X	X	X	X	
	Remove residual oil				X	X	
Ecosystem	Habitat protection and acquisition		X	X	X	X	
	Marine Research Institute - Seward		X	X	X	X	
	Remove residual oil					X	

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IMPACT TOPICS AND ASSOCIATED PROPOSED ACTIONS BY ALTERNATIVE

Impact topic	Action	Alternatives					Comments
		1 No Action	2 Habitat Protection	3 Limited restoration	4 Moderate Restoration	5 (Proposed Action) Comprehensive Restoration (Modified) (draft Restoration Plan)	
?	Waste oil facility			X	X	X	Common to all alternatives except No Action
All Resources	Endowment	X?	X	X	X	X	Common to all alternatives except No Action

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Starting from the original \$900,000,000, and subtracting the past and future estimated reimbursements, it is assumed that \$650,000,000 remains to be allocated under the various alternatives. The first three fiscal years budgets and their array of projects have been decided by the Trustee Council in response to the imminent need to begin the restoration. There has been a effort to restrain from committing to large projects apart from having completed development of a final Restoration Plan. Now that a draft Restoration Plan and alternatives to it are being analyzed as part of the EIS, the first three years of the program will be included in all alternatives. Thus, there is a need to subtract \$108,060,500 from the \$650,000,000 to arrive at the remaining balance of \$541,939,500 yet to be decided upon in the final Restoration Plan program.

This table only looks at the two restoration categories with environmental impacts. They are Habitat Protection and Acquisition and General Restoration. The other categories generally do not impact the resources with the exception of economically. The General Restoration category is reduced by 33% to focus only on those expenditures which would have impacts on resources aside from economics which would be analyzed in the EIS. This 33%/67% breakdown was arrived at by examining the past three years budgets.

The data gathering, surveys, analysis, and other management activities which do not directly affect the resources analyzed in the EIS represent approximately 33% of the General Restoration budgeted projects. An example would be coded wire tagging. This is needed to gather data to manage the resource, but generally has no significant impact on the resource.

Budget Assumptions for Analysis Purposes Only					
Restoration Category	Alt.	Budget Years			Total Estimated Expenditure by Alternative 1992 → 2002
		Total Budgeted FY1992 thru FY1994	Balance Remaining FY1995 thru FY2002	Project Implementation Balance FY1995 thru FY2002	
Habitat Protection and Acquisition	2	\$43,296,400	\$548,203,600*	N/A	\$591,500,000
	3		\$444,203,600	N/A	\$487,500,000
	4		\$281,703,600	N/A	\$325,000,000
	5		\$216,703,600	N/A	\$260,000,000
General Restoration (x .67 = project implementation)	2	\$13,155,100 (project implementation \$7,757,600)	\$0	\$0	\$13,155,100
	3		\$64,844,900	\$43,446,083	\$78,000,000
	4		\$214,344,900	\$143,611,083	\$227,500,000
	5		\$181,844,900	\$121,836,083	\$195,000,000
Restoration Reserve	2	\$12,000,000	\$0	N/A	\$12,000,000
	3		\$0	N/A	\$12,000,000
	4		\$0	N/A	\$12,000,000
	5		\$38,050,000	N/A	\$50,050,000

GENERAL RESTORATION BUDGET BREAKDOWN BY IMPACT TOPIC BY ALTERNATIVE

Impact topic	"Shares"	Alternatives					
		3 Limited restoration		4 Moderate Restoration		5 (Proposed Action) Comprehensive Restoration (Modified) (draft Restoration Plan)	
		Total	Annual	Total	Annual	Total	Annual
Pink Salmon (wild stocks)	3 (2 in Alt. 3)	\$3,342,006.00	\$417,751.00	\$15,386,901.00	\$1,923,363.00	\$13,053,867.00	\$1,631,733.00
Sockeye Salmon (wild stocks)	4	\$6,684,012.00	\$835,502.00	\$20,515,868.00	\$2,564,484.00	\$17,405,156.00	\$2,175,644.00
Pacific herring	3 (2 in Alt. 3)	\$3,342,006.00	\$417,751.00	\$15,386,901.00	\$1,923,363.00	\$13,053,867.00	\$1,631,733.00
Clams	2	\$3,342,006.00	\$417,751.00	\$10,257,934.00	\$1,282,242.00	\$8,702,578.00	\$1,087,822.00
<i>Fucus</i>	1	\$1,671,003.00	\$208,875.00	\$5,128,967.00	\$641,121.00	\$4,351,289.00	\$543,911.00
Harbor seals	2	\$3,342,006.00	\$417,751.00	\$10,257,934.00	\$1,282,242.00	\$8,702,578.00	\$1,087,822.00
Sea otters	2	\$3,342,006.00	\$417,751.00	\$10,257,934.00	\$1,282,242.00	\$8,702,578.00	\$1,087,822.00

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GENERAL RESTORATION BUDGET BREAKDOWN BY IMPACT TOPIC BY ALTERNATIVE

Impact topic	"Shares"	Alternatives					
		3 Limited restoration		4 Moderate Restoration		5 (Proposed Action) Comprehensive Restoration (Modified) (draft Restoration Plan)	
		Total	Annual	Total	Annual	Total	Annual
Common murre	1	\$1,671,003.00	\$208,875.00	\$5,128,967.00	\$641,121.00	\$4,351,289.00	\$543,911.00
Harlequin duck	1	\$1,671,003.00	\$208,875.00	\$5,128,967.00	\$641,121.00	\$4,351,289.00	\$543,911.00
Marbled murrelet	1	\$1,671,003.00	\$208,875.00	\$5,128,967.00	\$641,121.00	\$4,351,289.00	\$543,911.00
Pigeon guillemot	1	\$1,671,003.00	\$208,875.00	\$5,128,967.00	\$641,121.00	\$4,351,289.00	\$543,911.00
Commercial fishing	1	\$1,671,003.00	\$208,875.00	\$5,128,967.00	\$641,121.00	\$4,351,289.00	\$543,911.00
Sport fishing	1	\$1,671,003.00	\$208,875.00	\$5,128,967.00	\$641,121.00	\$4,351,289.00	\$543,911.00
Recreation	1	\$1,671,003.00	\$208,875.00	\$5,128,967.00	\$641,121.00	\$4,351,289.00	\$543,911.00
Tourism	1	\$1,671,003.00	\$208,875.00	\$5,128,967.00	\$641,121.00	\$4,351,289.00	\$543,911.00
Subsistence	1	\$1,671,003.00	\$208,875.00	\$5,128,967.00	\$641,121.00	\$4,351,289.00	\$543,911.00
Archaeology	1	\$1,671,003.00	\$208,875.00	\$5,128,967.00	\$641,121.00	\$4,351,289.00	\$543,911.00
Designated wilderness	1	\$1,671,003.00	\$208,875.00	\$5,128,967.00	\$641,121.00	\$4,351,289.00	\$543,911.00
Ecosystem	None						
Totals	28 (26 in Alt. 3)	\$43,446,081.00		\$143,611,080.00		\$121,836,097.00	

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ID Team Meeting - 2/8/94

Attending: Gerry Sanger (FWS); Bill Hauser (ADF&G); Fred Clark (FS); Karen Klinge (FS); and Rod Kuhn (FS) - Leader

(The meeting got off to a late start. It was originally scheduled to begin at 11 am. but didn't start until approximately 11:45. This was due to Rod being involved in a teleconference with ADF&G. Fred and Bill arrived late and the meeting began.)

Rod began the meeting with an overview of key documents and events leading up to this EIS. Copies of key documents were given to those who did not already have copies.

List of documents:

- ✓ Restoration Framework - Vol. 1
- ✓ Restoration Plan Brochure
- ✓ Supplement to Draft Restoration Plan
- ✓ Summary of Public Comment on Alternatives
- ✓ Walcoff Contract PDEIS
- ✓ Draft Restoration Plan (11/93)

Karen offered to meet with each specialist to familiarize them with the information she has from her involvement with the restoration planning group and the interviews with the principle investigators.

Rod described the contents of each chapter in the EIS. He also described the "no action" alternative as being no further spending of the restoration funds and relying on natural recovery to restore the resources. No restoration funds would be spent on monitoring or research either.

Rod went on to describe the concepts of "impact," "impact topic," "short-term and long-term impacts," and "cumulative effects."

Rod went on to describe the content of chapter 4 of the EIS in greater detail. He pointed out that each specialist would be writing the analyses for their resources for each alternative.

Rod described the limitation on what needed to be analyzed being tied to the Trustee Council approving the expenditure of funds. If the Council only recommends that an agency follow a particular management strategy, then the resulting action is an individual agency decision and would be their responsibility to comply with NEPA.

Rod went into what is meant by the concept of this being a "programmatic EIS." He tried to make it clear that specific projects may require further site specific NEPA documentation.

Rod asked each team member to do the following:

1. Read Chapter 3 Walcoff and see if they can live with what it contains. if not to make necessary changes.
2. Get with Karen and learn what information is available.

3. Come up with a brainstormed list of potential projects that would benefit their resources.
4. Begin thinking (and if possible writing) about the No Action alternative impacts.

The meeting concluded with a discussion of impact topics. These would be the specific things that would be impacted by the various actions contained in the alternatives. Some examples would be:

pink salmon
sockeye salmon
rockfish*
herring
cutthroat trout*
dolly varden trout*

* these may be able to be eliminated from detailed analysis because of their degree of injury/recovery status and the level; of public concern.

2-8-94

WALCOTT

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EIS Strategy Meeting

① Chapter 3 of WALCOTT
Background Info of Injured Resources

WHAT RESOURCES TO ANALYZE

EIS TOPICS

1. What to analyze

Ch. 1: Purpose & Need

- Background (≈ ch 3 Walcott)
- Issues
- Impact topics
 - To deal w/
 - Not " "

Ch 2: Alternatives & Comparison

Ch 3:

DRAFT

Ch 4: alt 1: No action

- Describe/quest @ where injured resources would be
- 1992 = yr "0"

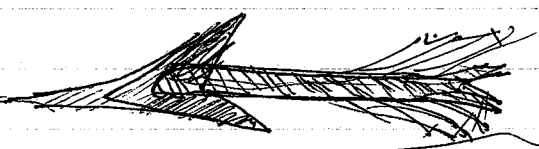
(MORE) →

alt 2:
↓
5

Conceptual "models", based on known data, ideas, logical rationale

Sanger's agenda

- ① FLESH-OUT_n / CORRECT Ch. 3 Walcott



- Short-term + long-term effects...

- define long- / short-term for eu spp.

Tim Halden, NMS Economist

NEXT MEETING
Monday, Feb 14 1:00 PM

2-14-94:01

(15
A) #

Meeting w/ Karen Klinge re: her resources on prior work on "injured species"

- Framework Doc: "Append lists 'options'"

- P.I. ^{"Expert"} interviews "docs"

- P.I.

- Peer reviews

General:

Karen has done a lot of work, + has lots of reports, "Expert Interviews" documents, literature on work/information, ~~on~~ for all the background work she's done to date.

She's very protective of "expert interview" info, which ~~is~~ were done Dec 92 - Jan 93. These were interviews w/ each bird P.I., + each peer reviewer of each P.I.'s work. She basically said her permission is needed to read, + especially, to cite this information. I stated that I have a right to my own opinion(s).

Next P. for Vol. 1, Restoration Framework

Review Restoration Framework

Restoration Work Group:

- Consists of who . . . ?

- Get D. Roseman Murre rept. - 235-6546

* Phoned him on 2/14. He'll send c.c. of '92 rept (final?) soon, and will phone highlights of '93 report soon. In '93 they established 250 new cliff-nest sites (as opposed to table-top sites) on E. Amstuli I, + 193 sites on Nord I. Overall prod. was ~ 0.5 chicks/nest, but total #'s were about the same.

2-16-94

9841359.294

EIS Team meeting 1/2

Rod

Karen

Bill

Serry

Fred

Ray Thompson

"Guiding principals" group "upstream" working on
restoration framework

1-1-94 T. Cuel decided on "Baseline alt."'

effectiveness of restor effort important consider

Scoping results:

Public

- keep app anal. to min

- ~~Focus~~ Ch. 3 on app listed in Baseline

- Munes COMU

- BLOS

NAMU

HADU - cover spot hunting in pass of (veg to hunting)

PIGU

MO →

Categories of Action

2-17-94

"egg donor program"

- Salutat of source:

2-28-94 EIS Team Meeting

EIS
A

ch. 2 Blue Book
- Known Policies

Bob Spies here March 20

re: policy question
re: HADD + NAMU

alt 3 & 4 have explicit requirements

94 work plan specifies re: oil spill islands

alt 4 } any link in ecosystem, in ak
alt 5 }

correlate EVOS-specific data

secondary NAMU pre-construction ~~at~~ Aleutian

Mgt. = agency-specific

3-4-97 EIS Team Meeting

11

EIS A

- one-liner definitions ^{of terms} needed
- Road game wa cc. Impact Topics / Proposed actions by alternatives Matrix.
- Ch 2 to have table that summarizes ch 4
- Mig Treaty Act: Diversion ramifications & etc.
- Establisher filing of all refs used in EIS

Discussion of Budget Projections

- ~~Scope~~
- Is action supported by projected budget?

Policy 4 Reality

- all resources get some \$

Exercise / Exercise) to ~~allocate~~ to develop method to allocate funds

Desig. Wilderness: cleanup resid. oil
in 3 identified areas
in Katmai NP, back,
& Kool B St Park

MO,
JOE

\$900 mm total
 - 250 " reimbursable
\$ 650 mm Bal

$$650 \times \frac{3}{10} = \text{Gen Restore}$$

$$= 195 \text{ mm}$$

$$= 13,155,100$$

$$\begin{array}{r} 182 \\ \times .67 \\ \hline 121.84 \text{ mm} \end{array}$$

1 - —

$$.54 \text{ m} = \$540,000 / \text{share}$$

all birds get 1 share

3-17-9 of EIST.com/MM - Editors

1/2

Attendees

EIS
A

Rod

ML

Eleanor Anter

Mike Bunnell

Editing Process ...

3rd Leaders

-4th Bold built into FF

Biblio: (3 names in cite, list all 3)

(> 3, 1st Name et al

(American Ann. Union [AOU] 1983)

Metric: stay w/ original usage of ea author

Common names:

Not cap unless proper n

- Bin name after common name, 1st time
in chapter only

MO →

or abbreviations for often-used phrases/names 2/

Acronyms for: PWS?

EVOS = the spill

"oil spill area"

- global archipelago zone for oil

EIS
A

Timeline 

Prelin draft COB Apr 22
Entire EIS

FS + PWS NEPA review mid Apr.
↳ WDC del: John

815
A

EDITING SYMBOLS

Bill is

Delete, omit

Material

Lowercase

bill is
or Cap

Capitalize
Capitalize first letter or principal words

Bill is young man

Carat indicates insertion

¶

Begin new paragraph

no ¶

No paragraph

Bill

Close up; leave out space

Bill is

Leave a space

or ✓

Less space

Bill young is

Transpose letters or words or
Marginal marks for transpose

Bill is young and
Sam is old.

Run in; make into one sentence or paragraph

Let Bill is young
or
~~Bill is young~~

Let stand, even if crossed out

(10) (1/4) (IRS)

Spell out circled number/acronym/word

Bill is young

Move left as indicated

1 Tab; 2 sp.

Move right one tab; Move right 2 spaces

↑

Move up

↓

Move down

→

Move to place indicated

⊙

Insert period

∩

Insert comma

or

⊙

" "

⊙

Insert semicolon

EIS
A

BIBLIOGRAPHY

Roby, D. D., 1978, Behavioral patterns of barren-ground caribou of the central arctic herd adjacent to the trans-Alaska pipeline: Fairbanks, Alaska, University of Alaska, M.A. thesis, 53 p.

State of Alaska, Department of Natural Resources, 1983, Notice: State of Alaska competitive oil and gas Lease Sale 39, Beaufort Sea: Anchorage, Alaska.

*The author for this entry is shown as USDOJ in the adaptation example of Chicago style. The *STA* style allows for a permanent government agency to be listed as the author.

Chicago Style

B.17. The *Chicago Style Manual* offers two styles: style *A*, favored in literature and history works, and style *B* favored in natural and social sciences. Chicago style *B* is detailed below. Some MMS regions have adapted the Chicago style (primarily style *B*) to meet specific needs. For example, the Alaska OCS Region has been using its adaption to create a large working bibliography for its environmental and program documents. So as not to create inconsistencies, the Alaska style has been approved as an optional variation of Chicago style. Adaptations are in fact encouraged by the Chicago manual, which states that either style *A* or *B*--and sometimes a variation using elements of each--is acceptable when used consistently throughout a bibliography. Sample entries in both Chicago and Alaska adaptation styles are shown below. Immediately following is a listing of the required elements for the types of publications.

Books:

- Name of author(s)
- Year published
- Title of book
- Volumes (if any)
- Edition (if any)
- Place published
- Publisher

Periodicals:

- Name of author(s)
- Year published
- Title of article
- Title of periodical or series
- Volume number (sometimes issue number)
- Select pages

Unpublished material:

Dissertation or thesis, paper read at meeting, administrative documents.

- Name of author(s)
- Year
- Identifying title (if any)
- Type of unpublished material
- Location of material (or meeting name and date)

BIBLIOGRAPHY

Note: Do not use the word “unpublished” in these entries. When personal communications are listed in a bibliography, they begin with the name of the letter writer or caller. Such communications are, however, best cited in text, tables, and illustrations only.

Description of Chicago Style Elements

Author:

Personal author, editor (ed.), compiler (comp.), translator (trans.), or corporate author. Either use initials or spell out names, but do not write in the names for authors who always use only initials. Insert one space between initials. For additional authors, list the initials (or first name) and then the surname. Separate additional authors with commas.

Year:

Use *n.d.* if no date is specified on either the title or copyright page.

Title:

Place book titles and names of periodicals in italics, if available. (Note that titles within italicized titles are either not italicized or they are set off by quotation marks.) Capitalize only the first word and proper words. Include the subtitle, if any.

Volume:

Use Arabic figures for both book and journal volume numbers.

Edition:

Include for other than first editions. Place edition after the title and abbreviate: *rev. ed.*; *2d ed.*; *2d ed., rev. and enl.*; *2 vols. in 1*; etc.

Pages:

Don't include the total number of pages; however, select (inclusive) page numbers may be given. For a book, the pages follow the references to the book and its author/editor. For a periodical, they are formatted as shown in the following examples and in the *Chicago* manual. Use the *Chicago* style for inclusive numbers: 3-17, 23-26, 100-103, 104-7, 124-28, 1115-20.

Place published:

Use State names after cities that are not well known. Use the standard abbreviation, not the postal abbreviation; for example, *Menasha, Wis.*, or *Englewood Cliffs, N.J.*

Note: For government publications, the U.S. may be omitted, or the Department name may be omitted if the agency or bureau name is well known.

EIS
A

BIBLIOGRAPHY

Example of Chicago Style

- Alaska Consultants, Inc., C.S., Courtage and S. Braund and Associates. 1984. Barrow Arch socioeconomic and sociocultural description. Technical Report No. 101. Anchorage, Alaska: U.S. Department of the Interior, Minerals Management Service, Alaska OCS Social and Economic Studies Program.
- Bendock, T. N. 1977. Beaufort Sea estuarine fishery study. Environmental assessment of the continental shelf. Final reports of principal investigators, research unit 233. Boulder, Colo.: U.S. Department of Commerce, National Oceanographic and Atmospheric Administration, Outer Continental Shelf Environmental Assessment Program, and U.S. Department of the Interior, Bureau of Land Management.
- Craig, P. C. "Fish resources." In Proceedings of a synthesis meeting: The Barrow Arch environment and possible consequences of planned offshore oil and gas development, Girdwood, Alaska, October 30-November 1, 1983, 240-66. Anchorage, Alaska: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, Outer Continental Shelf Environmental Assessment Program, and U.S. Department of the Interior, Minerals Management Service.
- Finley, K., and E. Gibb. 1982. Summer diet of the narwhal (*monodon monoceros*) in Pond Inlet, Northern Baffin Island. *Canadian Journal of Zoology* 60:3353-63.
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- Lowry, L. F., and K. G. Frost, eds. 1981. "Ecological processes, sensitivities, and issues of the sale 71 region." In Proceedings of a synthesis meeting: Beaufort Sea sale 71 synthesis report, Chena Hot Springs, Alaska, April 21-23, 1981. Ed. D. W. Norton and W. M. Sackinger. Juneau, Alaska: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, Outer Continental Shelf Environmental Assessment Program.
- Roby, D. D. 1978. Behavioral patterns of barren-ground caribou of the central arctic herd adjacent to the trans-Alaska pipeline: Master's thesis, University of Alaska, Fairbanks, Alaska.
- State of Alaska. Department of Natural Resources. 1983. Notice: State of Alaska competitive oil and gas Lease Sale 39, Beaufort Sea. Anchorage, Alaska: State of Alaska, Department of Natural Resources.
- *U.S. Department of the Interior. Minerals Management Service. Alaska OCS Region. 1984. Proposed Diapir Field lease offering (June 1984) (sale 87) (final environmental impact statement). 2 vols. OCS EIS MMS 84-0009. Anchorage, Alaska: U.S. Department of the Interior, Minerals Management Service, Alaska OCS Region.

*Chicago (16.142 and 16.146) allows the option of omitting the U.S. or the department name from government publications.

BIBLIOGRAPHY

An Adaptation of Chicago Style

To further demonstrate that there are many styles for preparing a bibliography, examine the following adaptation of the *Chicago* style. Note that the major differences include:

- (1) no space between initials
- (2) two-letter postal abbreviations used for State names
- (3) all page numbers (and not just those for journal articles appear at the end of each citation (when applicable)
- (4) *ed.* or *eds.* (as appropriate) follows names(s)
- (5) *in* is underlined (or in italics, if available)
- (6) all words in title are capitalized

Alaska Consultants, Inc., C.S. Courtneage, and S. Braund and Associates. 1984. Barrow Arch Socioeconomic and Sociocultural Description. Technical Report No. 101. Anchorage, AK: USDO, MMS, Alaska OCS Region, Alaska OCS Social and Economic Studies Program.

Bendock, T.N. 1977. Beaufort Sea Estuarine Fishery Study. Environmental Assessment of the Continental Shelf. Final Reports of Principal Investigators, RU 233. Boulder, CO: USDOC, NOAA, OCSEAP, and USDO, BLM, 45 pp.

Craig, P.C. Fish Resources. In: Proceedings of a Synthesis Meeting: The Barrow Arch Environment and Possible Consequences of Planned Offshore Oil and Gas Development, Girdwood, Alaska, October 30-November 1, 1983. Anchorage, Alaska: USDOC, NOAA, OCSEAP, and USDO, MMS, pp. 240-266.

Finley, K. and E. Gibb. 1982. Summer Diet of the Narwhal (Mondon monoceros) in Pond Inlet, Northern Baffin Island. Canadian Journal of Zoology 60:3353-3363.

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Lowry, L.F. and K.G. Frost, eds. 1981. Ecological Processes, Sensitivities, and Issues of the Sale 71 Region. Chapter 4 in: Proceedings of a Synthesis Meeting: Beaufort Sea Sale 71 Synthesis Report, Chena Hot Springs, Alaska. April 21-23, 1981, D.W. Norton and W.M. Sackinger, eds. Juneau, AK: USDOC, NOAA, OCSEAP.

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State of Alaska, Dept. of Natural Resources. 1983. Notice: State of Alaska Competitive Oil and Gas Lease Sale 39. Beaufort Sea. Anchorage, AK.

USDO, MMS, Alaska OCS Region. 1984. Proposed Diapir Field Lease Offering (June 1984) (Sale 87). Final Environmental Impact Statement. OCS EIS MMS 84-0009, 2 vols. Anchorage, AK: USDO, MMS, Alaska OCS Region.

EIS
A

ID Team Meeting Agenda

Time: 1:30 p.m.

Date: March 17, 1994

Location: TC Room

Agenda:

<u>Presenter:</u>	<u>Topic:</u>	<u>Time:</u>	<u>Decision/Info:</u>
Rod	Review Agenda	0:15	D
Kay Tracy	Introduce MMS Editors	0:10	I
Kay Tracy	Editorial Process	1:00	I/D
Rod	EIS Document - Intermediate Deadlines	0:30	I

Additions:

Bin Items:

Critique:

EIS
A

Dotted lines are grid layout imaginary lines

(Column widths shown in picas)

(USDA/FS Identifiers. 9-point
helvetica)

(Cover Title. 36-point helvetica. 38
points leading)

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United States
Department of
Agriculture

Forest Service

Tongass
National
Forest

R10-MB-40 (to be assigned by
RO PAO)



Alaska Pulp Corporation Long-term Timber Sale Contract

(Cover Subtitle. 24 point helvetica.
26 points leading)

Draft Supplement to the Environmental Impact Statements for the 1981-86 and 1986-90 Operating Periods

Cover

Dotted lines are grid layout imaginary lines

(Column widths shown in picas)

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18 point helvetica bold, unhyphenated. Place 30 points between baseline of last line of the paragraph, to baseline of first line of first degree head. Place 14-point space between baseline of last line of first degree head to baseline of first line of next paragraph.

Wildlife Habitats (second degree heading)

12-point helvetica bold, unhyphenated. Place second degree heads in narrow column; align horizontally, top of head with the top of type of first paragraph for that head. One line space will separate one second degree section from the next.

Wildlife (first degree heading)

(Body Copy. 10-point roman times. 12-point leading.)

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Logging Camps

Current Use

Folios Each section will have a title as part of its folio. For example: Chapter One will say "Chapter 1" set all in caps, 8-point helvetica regular. This is followed by a 5-point space and a solid square, the same size as the cap. This is followed by another 5-point space, the folio number in 8-point helvetica bold. For left pages, the number is first, for right pages, it is last.

Running Feet 8-point helvetica bold. Running feet are first degree heads repeated that appear on a particular page.

(Chapter and Section Identifiers) Starting with the second page of every section of chapter, the chapter number and title are repeated. For left-hand pages, the number is set in 36-point helvetica and placed in the uppermost left corner of the grid. This is followed by the title in two lines, set in 14-point helvetica bold. For right-hand pages, it is reversed.

4 Affected Environment

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3.4

Recreation Opportunities

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(use one-point lines)

Streams on 75 of the 79 Pacific Northwest Region Forests provide spawning and rearing habitat OR align as below.

(align photo captions at top or bottom of photo. May also be placed underneath)

Streams on 75 of the 79 Pacific Northwest Region Forests provide spawning and rearing habitat.

Photos may be cropped to 3 different widths; 32 picas, 10 picas, or 43 picas. Judgements must be made based on importance of image and available space. See layouts for placement of captions which are 8-point italic. For emphasis, and to make a stronger point within the adjoining body of text, a photo or self-explaining caption may be placed in the margin next to that specific section. Sometimes these captions are the only thing read and should be key points. See examples indicated in the SEIS 1986-94 Operating Period document.

Streams on 75 of the 79 Pacific Northwest Region Forests provide spawning and rearing habitat. (18 points of space from photo to text)

Visual Resources

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Pagination. Each section will begin on a right hand page, and be numbered "One: with sequential numbering for each section, odd numbers on right-hand pages, even on left. Be sure to locate page numbers in the same location on each page, either far left (even numbered) or far right (odd numbered).

Folios Each section will have a title as part of its folio. For example: Chapter One will say "Chapter 1" set all in caps, 8-point helvetica regular. This is followed by a 5-point space and a solid square, the same size as the cap. This is followed by another 5-point space, the folio number in 8-point helvetica bold. For left pages, the number is first, for right pages, it is last.

Dotted lines are grid layout imaginary lines

(Column widths shown in picas)

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(Divider Page Headings. 48-point helvetica)

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3.5

Chapter 5

(Divider Page Subheadings. 36-point helvetica)

Environmental Consequences

Divider Page

Dotted lines are grid layout imaginary lines

(Column widths shown in picas)

4.5

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(Chapter Headings. 48-point helvetica)

32

3.5

Chapter 5

(Chapter Subheadings. 36-point helvetica)

Environmental Consequences

Introduction

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Location and Setting

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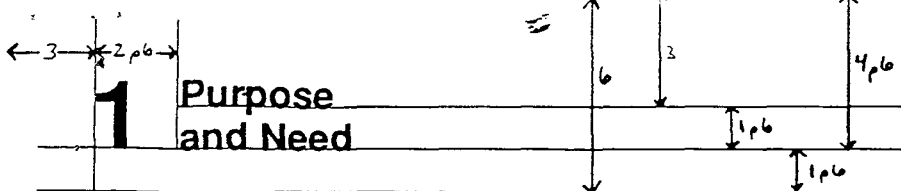
Chapter Headings

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TABLES: Tables begin and end with 1-point rules extending the width of the table. Tables are numbered sequentially within each chapter. Example: Table 3-1 is the first table in chapter 3. This is set in 9-point helvetica. The table title is 12-point helvetica bold, the rest of the text is set in 10-point Times Roman with Italic and bold faces as shown in the layout. Footnotes to the tables are 8-point Times Roman. Allow approximately 18-points space between body text and table rules, above and below. Allow approx.

CHARTS. (Pie charts, bar graphs, line graphs). Figure identifications are set in 9-point helvetica and titles in 12-point helvetica gold. Figure information is 9-point helvetica and figure footnotes are set in 8-point Times Roman. Charts will have a 1-point rule above and below, separated by 6-points of space between rule and type. Separate footnotes from chart with a 1/2 point rule. Insert approximately 18-points of space between body text and charts. All charts should be limited to 32 picas in width, and contain no more than three comparisons. If necessary, create more figures.

1 Purpose and Need



← 3 →

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Potential Management Indicator Species (PMIS)

This WHMU includes the areas within the AHMU buffer of anadromous or resident fish streams. These rivers and streams overlap high value bear habitat during salmon runs, and are important habitats for water-oriented furbearers.

Key Deer Winter Range

This WHMU includes land outlined by the following criteria:

- Area less than or equal to 500 feet in elevation on aspects from 90 to 135 degrees and from 225 to 270 degrees.
- Area less than or equal to 1000 feet in elevation on aspects from 135 to 225 degrees.
- Includes areas occupied by deer during severe winters but that may not conform to the other criteria. TLMP maps and local ADF&G biologists assisted in the identification of these areas.

Intermedlate Deer Winter Range

All lands not in alpine, subalpine or KDWR are classified as IDWR.

Old-growth timber is important to many wildlife species because of the vertical and horizontal diversity it contains and it provides forbs for deer during winters of heavy snow accumulation. The timber harvest history and amount of old growth remaining within the Wildlife Habitat Management Units are presented in Table 3-5.

Table 3-5
Acres and Percent of Old Growth within WHMUs

WHMU	Harvest in WHMU ¹	WHMU Remaining	Acres of Previous Percent of Old-Growth in WHMU ¹
Key Winter Range	16,032	16,737	51
Inter. Winter Rge	7,505	9,066	55
Estuarine	39	213	82
Beach	2,770	8,916	76
Streamside	848	588	41
Lakeside	376	640	63
Subalpine	20	475	96
Alpine	0	0	100
General Forest	19,984	21,147	51
Totals	24,037	31,939	57

¹ Winter Range can overlap other WHMUs

Peregrine Falcon

The endangered Arctic and American subspecies of the Peregrine falcon nest farther north, but could pass over the project area during migration. The Peale's subspecies is not listed as endangered or threatened, but is covered by a provision of "similarity of appearance" which broadens the scope of protection for all Peregrine falcons (USFWS-Alaska 1984). A preliminary survey of Peregrine falcons in southeast Alaska was conducted by the U.S. Fish and

↑ 2

↑ 4pb

3-17-9 of EIST team / MMS Editors

1/2

EIS
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Attendees

Rod

ML

Eleanor Anter

Mike Bunnell

Editing Process ...

3rd Leaders

- 4th bold built into TP

Biblio: (3 names in cite, list all 3)

(> 3, 1st Name et al

(American Ann. Union [AOU] 1983)

Metric: stay w/ original usage of ea author

Common names:

Not cap unless proper n

- bin name after common name, 1st time
in chapter only

MO →

or abbreviations for often-used phrases/names 2/2

Acronyms for: PWS?

EVOS = The spill

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"oil spill area"

- global archv replac zone for area

Timeline △

Prelin draft COB Apr 22

Entire EIS

FS + PWS NEPA review mid Apr.

↳ WDC dudl; John _____

815
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EDITING SYMBOLS

Bill / is	Delete, omit
Material	Lowercase
bill is or <i>Cap</i>	Capitalize Capitalize first letter or principal words

Bill is ^a young ^{man} ^{and} Sam	Carat indicates insertion
¶	Begin new paragraph
no ¶	No paragraph
Bill]	Close up; leave out space
# Bill is	Leave a space
# or ✓	Less space
Bill young is	Transpose letters or words or Marginal marks for transpose

Bill is young, and Sam is old.	Run in; make into one sentence or paragraph
-----------------------------------	---

Let Bill is young ²	Let stand, even if crossed out
or Bill is young²	
(10) (1/4) (IRS)	Spell out circled number/acronym/word

[Bill is young	Move left as indicated
[1 Tab; 2 sp.]	Move right one tab; Move right 2 spaces
[]	Move up
[]	Move down
—————>	Move to place indicated

⊙	Insert period
or ⋈	Insert comma
⊙	" "
⊙	Insert semicolon

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BIBLIOGRAPHY

Roby, D. D., 1978, Behavioral patterns of barren-ground caribou of the central arctic herd adjacent to the trans-Alaska pipeline: Fairbanks, Alaska, University of Alaska, M.A. thesis, 53 p.

State of Alaska, Department of Natural Resources, 1983, Notice: State of Alaska competitive oil and gas Lease Sale 39, Beaufort Sea: Anchorage, Alaska.

*The author for this entry is shown as USDOJ in the adaptation example of Chicago style. The *STA* style allows for a permanent government agency to be listed as the author.

Chicago Style

B.17. The *Chicago Style Manual* offers two styles: style *A*, favored in literature and history works, and style *B* favored in natural and social sciences. Chicago style *B* is detailed below. Some MMS regions have adapted the Chicago style (primarily style *B*) to meet specific needs. For example, the Alaska OCS Region has been using its adaptation to create a large working bibliography for its environmental and program documents. So as not to create inconsistencies, the Alaska style has been approved as an optional variation of Chicago style. Adaptations are in fact encouraged by the Chicago manual, which states that either style *A* or *B*--and sometimes a variation using elements of each--is acceptable when used consistently throughout a bibliography. Sample entries in both Chicago and Alaska adaptation styles are shown below. Immediately following is a listing of the required elements for the types of publications.

Books:

- Name of author(s)
- Year published
- Title of book
- Volumes (if any)
- Edition (if any)
- Place published
- Publisher

Periodicals:

- Name of author(s)
- Year published
- Title of article
- Title of periodical or series
- Volume number (sometimes issue number)
- Select pages

Unpublished material:

Dissertation or thesis, paper read at meeting, administrative documents.

- Name of author(s)
- Year
- Identifying title (if any)
- Type of unpublished material
- Location of material (or meeting name and date)

BIBLIOGRAPHY

Note: Do not use the word "unpublished" in these entries. When personal communications are listed in a bibliography, they begin with the name of the letter writer or caller. Such communications are, however, best cited in text, tables, and illustrations only.

Description of Chicago Style Elements

Author:

Personal author, editor (ed.), compiler (comp.), translator (trans.), or corporate author. Either use initials or spell out names, but do not write in the names for authors who always use only initials. Insert one space between initials. For additional authors, list the initials (or first name) and then the surname. Separate additional authors with commas.

Year:

Use *n.d.* if no date is specified on either the title or copyright page.

Title:

Place book titles and names of periodicals in italics, if available. (Note that titles within italicized titles are either not italicized or they are set off by quotation marks.) Capitalize only the first word and proper words. Include the subtitle, if any.

Volume:

Use Arabic figures for both book and journal volume numbers.

Edition:

Include for other than first editions. Place edition after the title and abbreviate: *rev. ed.*; *2d ed.*; *2d ed., rev. and enl.*; *2 vols. in 1*; etc.

Pages:

Don't include the total number of pages; however, select (inclusive) page numbers may be given. For a book, the pages follow the references to the book and its author/editor. For a periodical, they are formatted as shown in the following examples and in the *Chicago* manual. Use the *Chicago* style for inclusive numbers: 3-17, 23-26, 100-103, 104-7, 124-28, 1115-20.

Place published:

Use State names after cities that are not well known. Use the standard abbreviation, not the postal abbreviation; for example, *Menasha, Wis.*, or *Englewood Cliffs, N.J.*

Note: For government publications, the U.S. may be omitted, or the Department name may be omitted if the agency or bureau name is well known.

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A

BIBLIOGRAPHY

Example of Chicago Style

- Alaska Consultants, Inc., C.S., Courtnage and S. Braund and Associates. 1984. Barrow Arch socioeconomic and sociocultural description. Technical Report No. 101. Anchorage, Alaska: U.S. Department of the Interior, Minerals Management Service, Alaska OCS Social and Economic Studies Program.
- Bendock, T. N. 1977. Beaufort Sea estuarine fishery study. Environmental assessment of the continental shelf. Final reports of principal investigators, research unit 233. Boulder, Colo.: U.S. Department of Commerce, National Oceanographic and Atmospheric Administration, Outer Continental Shelf Environmental Assessment Program, and U.S. Department of the Interior, Bureau of Land Management.
- Craig, P. C. "Fish resources." In Proceedings of a synthesis meeting: The Barrow Arch environment and possible consequences of planned offshore oil and gas development, Girdwood, Alaska, October 30-November 1, 1983, 240-66. Anchorage, Alaska: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, Outer Continental Shelf Environmental Assessment Program, and U.S. Department of the Interior, Minerals Management Service.
- Finley, K., and E. Gibb. 1982. Summer diet of the narwhal (*monodon monoceros*) in Pond Inlet, Northern Baffin Island. *Canadian Journal of Zoology* 60:3353-63.
- Hooks, McCloskey and Associates, Inc. 1984. Environmental report (exploration) for proposed exploratory drilling operations in the Norton Sound OCS Lease Sale No. 57 are offshore Alaska. Radnor, Pa.: prepared for ARCO Alaska, Inc.
- Lentfer, Jan. 1985. Polar bear denning on drifting sea ice. *Journal of Mammalogy* 56(3):716-18.
- Lowry, L. F., and K. G. Frost, eds. 1981. "Ecological processes, sensitivities, and issues of the sale 71 region." In Proceedings of a synthesis meeting: Beaufort Sea sale 71 synthesis report, Chena Hot Springs, Alaska, April 21-23, 1981. Ed. D. W. Norton and W. M. Sackinger. Juneau, Alaska: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, Outer Continental Shelf Environmental Assessment Program.
- Roby, D. D. 1978. Behavioral patterns of barren-ground caribou of the central arctic herd adjacent to the trans-Alaska pipeline: Master's thesis, University of Alaska, Fairbanks, Alaska.
- State of Alaska. Department of Natural Resources. 1983. Notice: State of Alaska competitive oil and gas Lease Sale 39, Beaufort Sea. Anchorage, Alaska: State of Alaska, Department of Natural Resources.
- *U.S. Department of the Interior. Minerals Management Service. Alaska OCS Region. 1984. Proposed Diapir Field lease offering (June 1984) (sale 87) (final environmental impact statement). 2 vols. OCS EIS MMS 84-0009. Anchorage, Alaska: U.S. Department of the Interior, Minerals Management Service, Alaska OCS Region.

*Chicago (16.142 and 16.146) allows the option of omitting the U.S. or the department name from government publications.

BIBLIOGRAPHY

An Adaptation of Chicago Style

To further demonstrate that there are many styles for preparing a bibliography, examine the following adaptation of the *Chicago* style. Note that the major differences include:

- (1) no space between initials
- (2) two-letter postal abbreviations used for State names
- (3) all page numbers (and not just those for journal articles appear at the end of each citation (when applicable)
- (4) *ed.* or *eds.* (as appropriate) follows names(s)
- (5) *in* is underlined (or in italics, if available)
- (6) all words in title are capitalized

Alaska Consultants, Inc., C.S. Courtnege, and S. Braund and Associates. 1984. Barrow Arch Socioeconomic and Sociocultural Description. Technical Report No. 101. Anchorage, AK: USDO, MMS, Alaska OCS Region, Alaska OCS Social and Economic Studies Program.

Bendock, T.N. 1977. Beaufort Sea Estuarine Fishery Study. Environmental Assessment of the Continental Shelf. Final Reports of Principal Investigators, RU 233. Boulder, CO: USDOC, NOAA, OCSEAP, and USDO, BLM, 45 pp.

Craig, P.C. Fish Resources. In: Proceedings of a Synthesis Meeting: The Barrow Arch Environment and Possible Consequences of Planned Offshore Oil and Gas Development, Girdwood, Alaska, October 30-November 1, 1983. Anchorage, Alaska: USDOC, NOAA, OCSEAP, and USDO, MMS, pp. 240-266.

Finley, K. and E. Gibb. 1982. Summer Diet of the Narwhal (Mondon monoceros) in Pond Inlet, Northern Baffin Island. Canadian Journal of Zoology 60:3353-3363.

Hooks, McCloskey and Associates, Inc. 1984. Environmental Report (Exploration) for Proposed Exploratory Drilling Operations in the Norton Sound OCS Lease Sale No. 57 Area Offshore Alaska. Radnor, PA: Prepared for ARCO Alaska, Inc.

Lentfer, Jan. 1985. Polar Bear Denning on Drifting Sea Ice. Journal of Mammalogy 56(3):716-718.

Lowry, L.F. and K.G. Frost, eds. 1981. Ecological Processes, Sensitivities, and Issues of the Sale 71 Region. Chapter 4 in: Proceedings of a Synthesis Meeting: Beaufort Sea Sale 71 Synthesis Report, Chena Hot Springs, Alaska. April 21-23, 1981, D.W. Norton and W.M. Sackinger, eds. Juneau, AK: USDOC, NOAA, OCSEAP.

Roby, D.D. 1978. Behavioral Patterns of Barren-Ground Caribou of the Central Arctic Herd Adjacent to the Trans-Alaska Pipeline. M.S. Thesis, unpublished. Fairbanks, AK: University of Alaska.

State of Alaska, Dept. of Natural Resources. 1983. Notice: State of Alaska Competitive Oil and Gas Lease Sale 39. Beaufort Sea. Anchorage, AK.

USDO, MMS, Alaska OCS Region. 1984. Proposed Diapir Field Lease Offering (June 1984) (Sale 87). Final Environmental Impact Statement. OCS EIS MMS 84-0009, 2 vols. Anchorage, AK: USDO, MMS, Alaska OCS Region.

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A

ID Team Meeting Agenda

Time: 1:30 p.m.

Date: March 17, 1994

Location: TC Room

Agenda:

<u>Presenter:</u>	<u>Topic:</u>	<u>Time:</u>	<u>Decision/Info:</u>
Rod	Review Agenda	0:15	D
Kay Tracy	Introduce MMS Editors	0:10	I
Kay Tracy	Editorial Process	1:00	I/D
Rod	EIS Document - Intermediate Deadlines	0:30	I

Additions:

Bin Items:

Critique:

EIS
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Dotted lines are grid layout imaginary lines

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helvetica)

(Cover Title. 36-point helvetica. 38
points leading)

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United States
Department of
Agriculture

Forest Service

Tongass
National
Forest

R10-MB-40 (to be assigned by
RO PAO)



Alaska Pulp Corporation Long-term Timber Sale Contract

(Cover Subtitle. 24 point helvetica.
26 points leading)

Draft Supplement to the Environmental Impact Statements for the 1981-86 and 1986-90 Operating Periods

Cover

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**Wildlife Habitats
(second degree heading)**

12-point helvetica bold, unhyphenated. Place second degree heads in narrow column; align horizontally, top of head with the top of type of first paragraph for that head. One line space will separate one second degree section from the next.

Wildlife (first degree heading)

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Logging Camps

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Current Use

Folios Each section will have a title as part of its folio. For example: Chapter One will say "Chapter 1" set all in caps, 8-point helvetica regular. This is followed by a 5-point space and a solid square, the same size as the cap. This is followed by another 5-point space, the folio number in 8-point helvetica bold. For left pages, the number is first, for right pages, it is last.

Running Feet 8-point helvetica bold. Running feet are first degree heads repeated that appear on a particular page.

4 Affected Environment

(Chapter and Section Identifiers) Starting with the second page of every section of chapter, the chapter number and title are repeated. For left-hand pages, the number is set in 36-point helvetica and placed in the uppermost left corner of the grid. This is followed by the title in two lines, set in 14-point helvetica bold. For right-hand pages, it is reversed.

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Recreation Opportunities

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(use one-point lines)

Streams on 75 of the 79 Pacific Northwest Region Forests provide spawning and rearing habitat OR align as below.

(align photo captions at top or bottom of photo. May also be placed underneath)

Streams on 75 of the 79 Pacific Northwest Region Forests provide spawning and rearing habitat.

Photos may be cropped to 3 different widths; 32 picas, 10 picas, or 43 picas. Judgements must be made based on importance of image and available space. See layouts for placement of captions which are 8-point italic. For emphasis, and to make a stronger point within the adjoining body of text, a photo or self-explaining caption may be placed in the margin next to that specific section. Sometimes these captions are the only thing read and should be key points. See examples indicated in the SEIS 1986-94 Operating Period document.

Streams on 75 of the 79 Pacific Northwest Region Forests provide spawning and rearing habitat. (18 points of space from photo to text)

Visual Resources

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Pagination. Each section will begin on a right hand page, and be numbered "One: with sequential numbering for each section, odd numbers on right-hand pages, even on left. Be sure to locate page numbers in the same location on each page, either far left (even numbered) or far right (odd numbered).

Folios Each section will have a title as part of its folio. For example: Chapter One will say "Chapter 1" set all in caps, 8-point helvetica regular. This is followed by a 5-point space and a solid square, the same size as the cap. This is followed by another 5-point space, the folio number in 8-point helvetica bold. For left pages, the number is first, for right pages, it is last.

Dotted lines are grid layout imaginary lines

(Column widths shown in picas)

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(Divider Page Headings. 48-point helvetica)

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Chapter 5

(Divider Page Subheadings. 36-point helvetica)

Environmental Consequences

Divider Page

Dotted lines are grid layout imaginary lines

(Column widths shown in picas)

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(Chapter Headings. 48-point helvetica)

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3.5

Chapter 5

(Chapter Subheadings. 36-point helvetica)

Environmental Consequences

Introduction

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TABLES: Tables begin and end with 1-point rules extending the width of the table. Tables are numbered sequentially within each chapter. Example: Table 3-1 is the first table in chapter 3. This is set in 9-point helvetica. The table title is 12-point helvetica bold, the rest of the text is set in 10-point Times Roman with Italic and bold faces as shown in the layout. Footnotes to the tables are 8-point Times Roman. Allow approximately 18-points space between body text and table rules, above and below. Allow approx.

CHARTS. (Pie charts, bar graphs, line graphs). Figure identifications are set in 9-point helvetica and titles in 12-point helvetica gold. Figure information is 9-point helvetica and figure footnotes are set in 8-point Times Roman. Charts will have a 1-point rule above and below, separated by 6-points of space between rule and type. Separate footnotes from chart with a 1/2 point rule. Insert approximately 18-points of space between body text and charts. All charts should be limited to 32 picas in width, and contain no more than three comparisons. If necessary, create more figures.

1 Purpose and Need

Potential Management Indicator Species (PMIS)

This WHMU includes the areas within the AHMU buffer of anadromous or resident fish streams. These rivers and streams overlap high value bear habitat during salmon runs, and are important habitats for water-oriented furbearers.

Key Deer Winter Range

This WHMU includes land outlined by the following criteria:

- Area less than or equal to 500 feet in elevation on aspects from 90 to 135 degrees and from 225 to 270 degrees.
- Area less than or equal to 1000 feet in elevation on aspects from 135 to 225 degrees.
- Includes areas occupied by deer during severe winters but that may not conform to the other criteria. TLMP maps and local ADF&G biologists assisted in the identification of these areas.

Intermediate Deer Winter Range

All lands not in alpine, subalpine or KDWR are classified as IDWR.

Old-growth timber is important to many wildlife species because of the vertical and horizontal diversity it contains and it provides forbs for deer during winters of heavy snow accumulation. The timber harvest history and amount of old growth remaining within the Wildlife Habitat Management Units are presented in Table 3-5.

Table 3-5

Acres and Percent of Old Growth within WHMUs

WHMU	Harvest in WHMU ¹	WHMU Remaining	Acres of Previous Percent of Old-Growth in WHMU ¹
Key Winter Range	16,032	16,737	51
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¹ Winter Range can overlap other WHMUs

Peregrine Falcon

The endangered Arctic and American subspecies of the Peregrine falcon nest farther north, but could pass over the project area during migration. The Peale's subspecies is not listed as endangered or threatened, but is covered by a provision of "similarity of appearance" which broadens the scope of protection for all Peregrine falcons (USFWS-Alaska 1984). A preliminary survey of Peregrine falcons in southeast Alaska was conducted by the U.S. Fish and

Ch 3 ~~Revised~~ as returned

- city work in process
- " DRAFT reports

Ch 4 Structure

Descrip - Proj
Sutall Site
Proj. Consideration

SEE attachment/handout

RECOVERY: Definition (a) -- ??

RECOVERED:

Cumulative Effects (End Ch. 4)

- Summary of acts, resources, actions
- Model influence on resources

513
A

ID Team Meeting Agenda

Time: 1:30 pm

Date: March 29, 1994

Location: TC Room

Agenda:

<u>Presenter:</u>	<u>Topic:</u>	<u>Time:</u>	<u>Decision/Info:</u>
Rod	Review agenda	0:15	D
Rod	Brainstorming on Cumulative Effects Actions	0:30	D
Rod	Chapter 3 Information	0:30	I

Additions:

Bin Items:

Critique:

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ALTERNATIVE ____ - _____

2. Impact on Biological Resources

c. _____ (Biological Resource; e.g. "Fish")

i. _____ (Resource i.; e.g., "pink salmon")

+Actions

- Habitat acquisition
- actions already started
-
-

-For each action (e.g., egg boxes):

1. Description
 - Suitable site
 - Operational considerations
2. Potential effects
 - Beneficial
 - Drawbacks
3. Potential applications
 - PWS, Kodiak, Cook Inlet, Chignik
4. Conclusion (for this action)

+Conclusions (cumulative for all actions)

- short term effects... (one lifecycle)
- long-term effects.... 15 - 20 year... 7 - 10 cycles for odd and even year

ii. _____ (e.g., Sockeye Salmon)

+ Actions

- Habitat acquisition
- actions already started
- Action 1
- Action 2
- etc

+ Conclusions

- short term effects.... one cycle
- long-term effects.... 10 - 50 years... 2 - 10 cycles

iii. etc.

Agenda Topics

EIS
A

Document Formatting
- No headers/footers

- Font: Use Times Roman, Plain, 12 pt.

- SPACES: None between #

- Prof. may use dbl. space, single space cc to Prod,
disk & hard cc.

- Lists: No #'s unless significant
- hyphen before each one.

"Effects": - Long - & short-term under ea. action/alt.
- Define in context 1st time for ea. eff.

DEAD LINES

See ~~agenda~~ / agenda...

INTRODUCTION

Describe actions in Intro?

MAPS - Identify needs ASAP. Text maps.

- See Library; - Ward (CAD maps)

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Habitat Protection

- Refer to parcel binder in Rod's room.
- parcels ranked by cumulative scores.

alternatives vs. ^{which} parcels - - -
1

MEET AGAIN TUES, 3/29

- Time TBD 1:30 PM

EIS
A

ID Team Meeting Agenda

Time: 1:00 pm

Date: March 23, 1994

Location: Rod's Office or TC Room if available

Agenda:

<u>Presenter:</u>	<u>Topic:</u>	<u>Time:</u>	<u>Decision/Info:</u>
Rod	Review agenda	0:15	D
Rod	Formating in Documents for EIS (Headers/Footers; Fonts; Tables; Spaces; Tabs)	0:20	I
Rod	Discuss Chapter 4 writing. (Short/Long-term Impacts)	0:30	I/D
Rod	Where we are and how will we get everything done.	0:15	I/D
Rod	Intermediate deadlines:	0:30	D

1. No Action: *Mar 28*
2. Alt 2: *apr 1*
3. Alt 3: *" 4*
4. Alt 4: *" 8*
5. Alt 5: *" 11*

However, it may be more efficient to cover 1 app. at a time; ~~do~~ i.e., do all alts + actions for HADU before moving to com.

Additions:

Bin Items:

Critique:

4-5-94 EIS Team Meeting

EIS
N

Bob, Tim, Karen, Fred, Barbara, me, Bill, Dave
Hibbons

Habitat Acquisition

Mammal value

8,000 Mamm

Dave H. working w/ agency

2 2,000/MAMU
8,000 1,600,000
1

Agenda Items

Chaps. 1+2

ch 2, \$59M alt 2 hab acq.

" 312M " 5 " "

- Habitat Values: Use hab. team values
w/o "free thinking"

Amount Detail in Writing

EIS
A

ID Team Meeting Agenda

Time: 1:30 pm

Date: April 5, 1994

Location: TC Room

Agenda:

<u>Presenter:</u>	<u>Topic:</u>	<u>Time:</u>	<u>Decision/Info:</u>
Rod	Review agenda	0:15	D
IDT	Where we are and what we still need to do. (Round robin of IDT)	0:30	I
Rod	What I know on the "Habitat" problem	0:30	I

Additions:

Bin Items:

Critique:

4-5-94 EIS Team meeting

Kod, Tim, Karen, Fred, Barbara, me, Bill, Dave
Gibbons

EIS
N

Habitat acquisition

Dave G. working w/ agency

Mammal value

8,000 Mamm

2 2,000/MAMU

~~8,000~~ 1,600,000

Agenda Items

Chaps. 1+2

ch 2, \$591M alt 2 hab acq.

" 312M " 5 " "

- Habitat Valuation: Use hab. team values
w/o "free thinking"

Can't Detail in Writing

April 14, 1994 EIS Team

Post-Chapter 4 Edit

EIS
A

John's 6 Cautions:

1. Overdescription: of actions - caution
X 5 descrip of impacts OK.

- Summarize actions

Elaborate on impacts

conclusions? No place for analysis

"make good faith effort at objectivity."

2. Don't hesitate to "go generic" where
specific info is unavailable.

- Reason:

3. Actions already funded are irrelevant

4. Degree of change from present condition.

(D) 18X

April 14, 1994 EIS Team

Post- chapter 4 Edit

EIS
A

John's 6 Cautions:

1. over description of actions - caution
X 3 decap of impacts OK.

- Summarize actions

Elaborate on impacts

conclusions? No place for analysis

"make good faith effort at objectivity."

2. Don't hesitate to "go generic" where specific info is unavailable.

- Reason:

3. Actions already funded are irrelevant

4. Degree of change from present condition.

- Speculative to some degree

Document is for Decision Makers primarily,

- not general public

- It's not a public education document ---

CALL IN TIME TO LINDA!!

8 h/d last week

4-11 Mon 2h S/L

4-12 Tue 8h S/L

4-13 Wed 8h A.L

Thu + Fri; 8 h/d.

MAMU: Spruce-bark beetle problem

poss. future problem ---

(OVER)

Meeting Tomorrow, 4-15:

T. B. D. ~~is~~ in A.M., for P.M. meeting.

April 15, 1994 EIS Team Meeting

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A

Long-term benefits:

Short-term benefits:

measurable increases

↑ key word

Terms:

High: Increase throughout EVOS, or in ~~measurable~~ local.

Mod: meas. increase in local area

Minor: changes probable, but not measurable

→ Benefits

I need to assign H, M, M benefits to each action in each alternative - A2

→ ☆

XL Spreadsheet on BENEFIT of all actions:

	High	Moderate	Low	negligible
HADU				
COMV				
PIGV				
MAMV				

Next Meeting

2: PM

Monday, ~~PM~~ PM

April 18, 1994 EIS Team meeting 2:00 PM

(EIS
A)

Birds: Need to define "benefits",
non, low, moderate, high - succinct, generic

How we protect ability of spp to reproduce

- TO DO: ① Assign H, M, L, N for
ea resource for each alt.

② Discussion / conclusion must have:

- SHORT-TERM
- LONG-TERM

- work in pred removal outside EVOS -

1,000,000
10,000

Compile summary spreadsheet:

Benefit of actions alternative

Resource	1	2	3	4	5
HADU					
COMU					
PIGU					
MAMU					

?? : 1 each for short-term & long term

4-29-94 Team Meeting
Ch & Review

EIS
A

Appendix B: Common & Sci names.
- List all birds ... (ME)

Me: re-do parcel package as applied to
value (High, Med, low) to see reason.
HADU & MAMU, primarily - but run COMU
& Pign thru process.

Chapter 3 ✓

Chapter 4

p. 5 - Intro Bird It OK for now, value is

Meet 1³⁰ PM, next Monday
May 2

Rod's Directories

1.0 - WP WINGO

1.1 - WP.DOCX

1.1.1 - EISCRK

1.1.1.1 - DEIS

- appeal
= PDEIS

Veronica Gilbert

2/

2 - 5 had to handle

2 - 4

2 - 11

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A

Sardon

P. 3 re: reduce disturbance to PIG U: Jerry

Predator Control

alt 5, cut all w/o known migration into EVOS,

→ but leave all 15 in in alt 4

Ch 3. - re "subline"

NBS - Bill Seitz

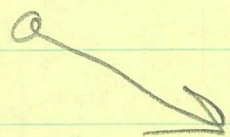
Bill to handle.

Debra Wilkins - Rod

Barry Roth, DOI

AOF + G Renew

Refer to document



P. 105 Jerry

108

134

Rodt, Block (MMS)

Rod

Bud Rice (NPS)

~~P. 2.12~~ (Predator control)

P. 4.32 (Pigu)

" . 106 (comu)

" . 107 (PIGU)

Cathy Berg (FWS)

Rod, except

P 4.134

Time Schedule, Next Revision

- 1 - Noon, 5-18: list comments & whip next draft w/.
- 2 - Bird revisions: ETA my input/corrections.

New dir in Rod's PDEIS. dir

- Give Rod estimate of when corrections, birds to be done.

I need to know:

- Format of High/Low benefits/ Conclusions
- see PDEIS fill

4/

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A

~~REVIS~~ HADU

- ★ - reconcile myig w/ Blue Book
- ★ - flesh out habitat discussion, in light of

Ch. 3: Changes after

DEIS Review Comments

EIS
A

Review Notes

Reviewer Notes

Berg, Cathy p. 1, 19. I agree, + suggest adding
"... for these species and other species ..."

p. 4, 1-129

Review for use of word "action"

Seitz Suggests addition of 'crosswalked table'
of hypothesized relationships be added...

5-16-94

EIS Team Meeting

1st round of Trustee Council's Agency review comments

- Tell why issue won't be addressed in memo to Rod.

Staff Responsibilities

Penroyer Memo

ch 1+2; Rod

ch 3- Rod + Karen

ch 4: Rod + Karen

↓ ↓ ↓
ch 6 + appen E

↘

May 10, 1994 EIS Team, w/ Jim Ayres

(EIS
A)

Ayres

Dave Gibbons

Molly

Rod, me, Fred, Tim, Karen, Bill

- Birding - discrepancy betw Nov 93 Plan
& injury assessment addressed in DEIS.

- Fish enhancement res. restoration addressed.

Molly - How incorporate annual review

consistent review process needed.

Double check 'status rept' w/ DEIS

Ayres
EIS will become a dynamic doc.,

w/ annual review of some kind

TO DO: //

★ ① Biblio

② List common/sci names

③ Glossary terms
- rel to priority

④ Cooperator List

5-23 teleconference w/ Tom Rothe Nelson

EIS
A

Revision (PDEIS) Questions & Comments

Conclusions (FORMAT)

Alt 1 - IF form

Alt 2 -> 5

Left justified -> Conclusions (Bold, Universal, 10 pt)

L.J. -> short-term effects: ^{indent} Negligible ^{not} -> U.L., per @ end
Time, 10pt

Long -

-> Modify text to correspond w/ benefit descriptor.

5-23-94

Teleconference w/ Tom Rothe, ADF + G, Sanger, Molly McCannou, + Real Kuhn (part).

- HADU census methods by Patton different from Bird Study 2.

Patton's Data (Patton, ^{S.M.} written comm., 1994)

<u>When</u>	<u>HADU</u>	<u>air zone km surveyed</u>	<u>HADU/km</u>
May, June 92	1,820	2,798	0.65
July, 1991	673	537	1.25
July, 1992	1,681	2,276	0.74

