

13.08.01 Nov 99 (10-3)

## **13.08.01 – Reading File**

**November 1999**

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax: 907/276-7178



## MEMORANDUM

**TO:** Trustee Council

**THROUGH:** Molly McGarron  
Executive Director

**FROM:** *Traci Cramer*  
Traci Cramer  
Administrative Officer

**DATE:** November 26, 1999

**RE:** Financial Report as of October 31, 1999

Attached is the Statement of Revenue, Disbursements and Fees, and accompanying notes for the *Exxon Valdez* Joint Trust Fund for the settlement period ending September 30, 2002, as of October 31, 1999. The following is a summary of the information incorporated in the notes and contained on the statement.

Liquidity Account Balance	\$50,125,741	
Plus: Other Adjustments (Note 5)	7,144,705	
Less: Restoration Reserve Adjustment (Note 6)	<u>-47,861,795</u>	
Liquidity Fund Balance		\$9,408,651
Restoration Reserve Accrued Value	\$47,983,764	
Plus: Liquidity Fund Adjustment (Note 6)	<u>47,861,795</u>	
Restoration Reserve Balance		\$95,845,559
<b>Joint Trust Fund as of October 31, 1999</b>		<b>\$105,254,210</b>
Plus: Future Exxon Payments (Note 1)	\$140,000,000	
Less: Reimbursements (Note 3)	-7,500,000	
Less: Commitments (Note 7)	<u>-80,042,567</u>	
Uncommitted Balance		\$52,457,433
<b>Joint Trust Fund as of September 30, 2002</b>		<b>\$157,711,643</b>

## Attachments

cc: Agency Liaisons  
Bob Baldauf

NOTES TO THE STATEMENT OF REVENUE, DISBURSEMENTS AND FEES  
FOR THE EXXON VALDEZ JOINT TRUST FUND  
FOR THE SETTLEMENT PERIOD ENDING SEPTEMBER 30, 2002  
As of October 31, 1999

1. Contributions - Pursuant to the agreement Exxon is to pay a total of \$900,000,000.

Received to Date	\$760,000,000
Future Payments	\$140,000,000

2. Interest Income - In accordance with the MOA, the funds are deposited in the United States District Court, Court Registry Investment System (CRIS). All deposits with CRIS are maintained in United States government treasury securities with maturities of 100 days or less. Total earned since the last report is \$205,688.
3. Reimbursement of Past Costs - Under the terms of the agreement, the United States and the State are reimbursed for expenses associated with the spill. The remaining reimbursements represent that amount due the State of Alaska.
4. Fees - CRIS charges a fee of 5% of earnings for cash management services. Total paid since the last report is \$10,284.
5. Other Adjustments - Under terms of the Agreement, both interest earned on previous disbursements and prior years unobligated funding or lapse are deducted from future court requests. Unreported interest and lapse is summarized below.

	Interest	Lapse
United States	\$710,943	\$2,663,228
State of Alaska	\$1,921,866	\$1,848,668

6. Restoration Reserve/Liquidity Fund Adjustment - Includes the \$12,000,000 transfer approved for Fiscal Year 1998, plus \$1,725,000 in interest accrued since September 15, 1997, the \$12,000,000 transfer approved for Fiscal Year 1999, plus \$675,000 in interest accrued since September 15, 1998, and \$12,000,000 transfer approved for Fiscal Year 2000, plus \$75,000 in interest accrued since September 15, 1999. The proceeds from the securities that matured on November 15, 1998 and were deposited to the Liquidity Fund have also been included. This includes \$9,095,002, plus \$494,936 in interest, less \$37,231 in fees. Also included is \$284,088 for fees that were assessed against the Restoration Reserve prematurely and deposited in the Liquidity Fund.
7. Commitments - Includes \$2,711,000 for the Archaeological Repository and the following land payments.

<u>Seller</u>	<u>Amount</u>	<u>Due</u>
Afognak Joint Venture	\$23,025,833	October 2000
Eyak	\$18,000,000	September 2000 through 2002
Shuyak	\$8,000,000	October 2000 through 2001
Shuyak	\$11,805,734	October 2002
Koniag, Incorporated	\$16,500,000	September 2002

**STATEMENT OF REVENUE, DISBURSEMENT, AND FEES**  
**EXXON VALDEZ OIL SPILL JOINT TRUST FUND**  
As of October 31, 1999

	1996	1997	1998	To Date 1999	Cumulative Total
<b>REVENUE:</b>					
Contributions: (Note 1)					
Contributions from Exxon Corporation	70,000,000	70,000,000	70,000,000	70,000,000	760,000,000
Less: Credit to Exxon Corporation for Deposit of Maturing Securities				9,095,002	(39,913,688) 9,095,002
Total Contributions	70,000,000	70,000,000	70,000,000	79,095,002	729,181,314
Interest Income: (Note 2)					
Exxon Corporation escrow account					831,233
Joint Trust Fund Account	3,963,073	2,971,070	2,673,585	2,330,609	23,355,004
Total Interest	3,963,073	2,971,070	2,673,585	2,330,609	24,186,237
<b>Total Revenue</b>	<b>73,963,073</b>	<b>72,971,070</b>	<b>72,673,585</b>	<b>81,425,611</b>	<b>753,367,551</b>
<b>DISBURSEMENTS:</b>					
Reimbursement of Past Costs: (Note 3)					
State of Alaska	3,291,446	5,000,000	3,750,000	3,750,000	99,059,288
United States	0	0	0	0	69,812,045
Total Reimbursements	3,291,446	5,000,000	3,750,000	3,750,000	168,871,333
Disbursements from Liquidity Account:					
State of Alaska	43,340,950	17,846,130	15,686,600	62,457,990	250,935,918
United States	31,047,824	60,101,802	39,468,461	32,676,850	232,749,633
Transfer to the Restoration Reserve	35,996,231	12,449,552			48,445,783
Total Disbursements	110,385,004	90,397,484	55,155,061	95,134,840	532,131,334
<b>FEES:</b>					
U.S. Court Fees - Liquidity Account (Note 4)	396,307	254,221	199,946	260,812	2,239,144
Total Disbursements and Fees	114,072,758	95,651,705	59,105,007	99,145,652	703,241,810
Increase (decrease) in Liquidity Account	(40,109,685)	(22,680,635)	13,568,578	(17,720,041)	50,125,740
Liquidity Account Balance, beginning balance	117,067,523	76,957,839	54,277,204	67,845,782	
Liquidity Account Balance, end of period	76,957,839	54,277,204	67,845,782	50,125,740	
Other Adjustments: (Note 5)					7,144,705
Restoration Reserve Adjustment: (Note 6)					(47,861,795)
Liquidity Fund Balance					9,408,651
Restoration Reserve Balance					95,845,559
<b>Joint Trust Fund as of June 30, 1999</b>					<b>105,254,209</b>
Future Exxon Payments (Note 1)					140,000,000
Reimbursements (Note 3)					(7,500,000)
Commitments: (Note 7)					(80,042,567)
<b>Joint Trust Fund as of September 30, 2002</b>					<b>157,711,642</b>

Statement 1

Statement of *Exxon Valdez* Settlement Funds  
As of October 31, 1999

Beginning Balance of Settlement	900,000,000
Receipts:	
Interest Earned on Exxon Escrow Account	337,111
Net Interest Earned on Joint Trust Fund (Note 1)	21,115,860
Interest Earned on United States and State of Alaska Accounts	7,980,720
Total Interest	<u>29,433,692</u>
Disbursements:	
Reimbursements to United States and State of Alaska	168,871,333
Exxon clean up cost deduction	39,913,688
Joint Trust Fund deposits	561,141,214
Total Disbursements	<u>769,926,235</u>
Funds Available:	
Exxon Future Payments	140,000,000
Current Year Payment	0
Balance in Liquidity Account	50,125,740
Other Adjustments (Note 2)	7,144,705
Work Plan Commitments	0
Acquisition Commitments (Note 3)	(77,331,567)
Archaeological Repository (Note 4)	(2,711,000)
Alaska Sealife Center (Note 4)	0
Remaining Reimbursements	(7,500,000)
Restoration Reserve Accrued Value	47,983,764
Joint Trust Fund Balance as of September 30, 2002	157,711,642

Note 1: Gross interest earned less District Court registry fees

Note 2: Adjustment for unreported interest earned and lapse

Note 3: Includes both current year and future year payments

Note 4: Other Authorizations

Footnote:

## Statement 2

### Cash Flow Statement Exxon Valdez Liquidity Account As of October 31, 1999

#### Receipts:

##### Exxon payments

December 1991	36,837,111
December 1992	56,586,312
September 1993	68,382,835
September 1994	58,728,400
September 1995	67,303,000
September 1996	66,708,554
September 1997	65,000,000
September 1998	66,250,000
Deposit of Maturing Securities	9,095,002
September 1999	66,250,000

Total Deposits	561,141,214	561,141,214
Interest Earned	23,355,004	
Total Interest	23,355,004	23,355,004
Total Receipts		584,496,218

#### Disbursements:

##### Court Requests

Fiscal Year 1992	12,879,700
Fiscal Year 1993	27,634,994
Fiscal Year 1994	50,554,653
Fiscal Year 1995	89,989,597
Fiscal Year 1996	74,388,774
Fiscal Year 1997	77,947,932
Fiscal Year 1998	55,155,061
Fiscal Year 1999	95,134,840

Total Requests	483,685,551	483,685,551
District Court Fees	2,239,144	2,239,144
Transfer to the Restoration Reserve		48,445,783
Total Disbursements		534,370,477
Balance in Joint Trust Fund		50,125,740

#### Footnote:

A total of \$48,445,783 has been disbursed from the Liquidity Account to the Restoration Reserve. Of the total, \$48,445,663 was used to purchase laddered securities. The difference of \$120 represents costs paid to the Federal Reserve Bank. An additional \$10 Federal Reserve Bank fees was assessed the Restoration Reserve on 11/17/97 for costs associated with the reinvestment of maturing securities.

<b>Exxon Valdez Restoration Reserve</b>								
<b>Unallocated Deposits/Unallocated Proceeds</b>								
<b>As of October 31, 1999</b>								
		<b>Principal</b>	<b>Adjustment</b>	<b>Earnings</b>	<b>Total</b>			
<b>Fiscal Year 1998 Deposit</b>		<b>12,000,000</b>		<b>1,275,000</b>	<b>13,275,000</b>			
<b>November 15, 1998 Par Value</b>		<b>9,095,002</b>	<b>284,088</b>	<b>457,704</b>	<b>9,836,795</b>			
<b>Fiscal Year 1999 Deposit</b>		<b>12,000,000</b>		<b>675,000</b>	<b>12,675,000</b>			
<b>Fiscal Year 2000 Deposit</b>		<b>12,000,000</b>		<b>75,000</b>	<b>12,075,000</b>			
<b>Total Included in Liquidity Account</b>		<b>45,095,002</b>	<b>284,088</b>	<b>2,482,704</b>	<b>47,861,795</b>			
<b>Reserve Portfolio Accrued Value</b>					<b>47,983,764</b>			
<b>Total Accrued Value of the Restoration Reserve</b>					<b>95,845,559</b>			
<b>Interest/Fees associated with the 1998 Security:</b>								
<b>Period</b>	<b>Reserve Balance</b>	<b>Liquidity Balance</b>	<b>Total Interest</b>	<b>Reserve Interest</b>	<b>Liquidity Interest</b>	<b>Total Fees</b>	<b>Reserve Fees</b>	<b>Liquidity Fees</b>
11/19/98 - 11/26/98	9,095,002	47,795,857	40,418	9,499	30,919	4,273	1,004	3,269
11/27/98 - 12/02/98	9,103,496	47,883,317	37,460	8,794	28,666	4,161	977	3,184
12/03/98 - 12/09/98	9,111,313	47,866,716	33,399	7,852	25,547	3,711	872	2,839
12/10/98 - 12/16/98	9,118,292	48,059,641	26,436	6,190	20,246	2,937	688	2,250
adjustment	284,088							
12/17/98 - 12/23/98	9,407,883	48,089,227	29,586	7,196	22,390	3,287	800	2,488
12/24/98 - 12/30/98	9,414,279	48,117,048	27,821	6,767	21,054	3,091	752	2,339
12/31/98 - 1/06/99	9,420,295	48,148,297	31,249	7,601	23,648	3,472	845	2,628
1/07/99 - 1/13/99	9,427,051	35,172,657	24,361	8,920	15,441	2,707	991	1,716
09/02/99 - 09/08/99	9,759,936	100,157,440	79,189	8,550	70,639	4,168	450	3,718
09/09/99 - 09/15/99	9,768,036	90,413,787	66,646	8,072	58,574	3,508	425	3,083
09/16/99 - 09/22/99	9,775,683	90,476,557	62,770	7,604	55,167	3,304	400	2,903
09/23/99 - 09/29/99	9,782,887	49,930,337	38,020	9,265	28,756	2,001	488	1,513
09/30/99 - 10/06/99	9,791,664	49,970,839	40,502	9,870	30,631	2,132	519	1,612
10/07/99 - 10/13/99	9,801,015	50,011,574	40,735	9,929	30,806	2,144	523	1,621
10/14/99 - 10/20/99	9,810,421	50,049,746	38,172	9,306	28,866	2,009	490	1,519
10/21/99 - 10/27/99	9,819,237	50,087,910	38,164	9,306	28,858	2,009	490	1,519
10/28/99 - 11/03/99	9,828,054	50,125,741	37,831	9,226	28,604	1,991	486	1,505
<b>Total</b>				<b>494,936</b>	<b>1,074,020</b>		<b>37,231</b>	<b>78,871</b>



Schedule of Payments from Exxon As of October 31, 1999								
Disbursements:	September 93	September 94	September 95	September 96	September 97	September 98	September 99	Total
Reimbursements:								
United States								
FFY92	0							24,726,280
FFY93	11,617,165							36,117,165
FFY94	0	6,271,600						6,271,600
FFY95	0		2,697,000					2,697,000
Total United States	11,617,165	6,271,600	2,697,000	0	0	0	0	69,812,045
State of Alaska								
General Fund:								
FFY92	0							25,313,756
FFY93	0							16,685,133
FFY94	14,762,703							14,762,703
FFY95	0	0						0
Mitigation Account:								
FFY92	0							3,954,086
FFY93	0							12,314,867
FFY94	5,237,297	5,000,000						10,237,297
FFY95 (Prevention Account)	0		0					0
FFY96 (Prevention Account)				3,291,446				3,291,446
FFY97 (Prevention Account)					5,000,000			5,000,000
FFY98 (Prevention Account)						3,750,000		3,750,000
FFY99 (Prevention Account)							3,750,000	3,750,000
Total State of Alaska	20,000,000	5,000,000	0	3,291,446	5,000,000	3,750,000	3,750,000	99,059,288
Total Reimbursements	31,617,165	11,271,600	2,697,000	3,291,446	5,000,000	3,750,000	3,750,000	168,871,333

Deposits to Joint Trust Fund								
FFY92	0							36,837,111
FFY93	68,382,835							124,969,147
FFY94	0							0
FFY95	0	58,728,400	67,303,000					126,031,400
FFY96				66,708,554				66,708,554
FFY97					65,000,000			65,000,000
FFY98						66,250,000	66,250,000	132,500,000
Total Deposits to Joint Trust Fund	68,382,835	58,728,400	67,303,000	66,708,554	65,000,000	66,250,000	66,250,000	552,046,212
Exxon clean up cost deduction	0	0	0	0	0	0	0	39,913,688
Total Payments	100,000,000	70,000,000	70,000,000	70,000,000	70,000,000	70,000,000	70,000,000	690,831,233
Remaining Exxon payments to be made:								
September 1994								
September 1995								
September 1996								
September 1997								
September 1998								
September 1999								
September 2000		70,000,000						
September 2001		70,000,000						
		140,000,000						
<p>The December 1991 payment includes interest accrued on the escrow account. The actual disbursements without interest was \$24.5 million to the United States, \$29 million to the State of Alaska and \$36.5 million to the Joint Trust Fund. The total interest earned on the escrow account was \$831,233 which was disbursed proportionately. This included \$226,280 to the United States, \$267,842 to the State of Alaska and \$337,111 to the Joint Trust Fund.</p> <p>The September 1994 reimbursement to the United States included an over-payment of \$80,700 to NOAA. This over-payment is a direct result of final costs for damage assessment activities being lower than what was previously estimated. The funds were returned to the Joint Account by reducing the amount transferred to the United States in Court Request number 15.</p>								

**Schedule of Disbursements**  
**Exxon Valdez Liquidity Account**  
**As of October 31, 1999**

	United States	State of Alaska	Court Request Total	Court Fees	Disbursements Total
Total Fiscal Year 1992	6,320,500	6,559,200	12,879,700	23,000	12,902,700
Total Fiscal Year 1993	9,105,881	18,529,113	27,634,994	154,000	27,788,994
Total Fiscal Year 1994	6,008,387	44,546,266	50,554,653	364,000	50,918,653
Total Fiscal Year 1995	48,019,928	41,969,669	89,989,597	586,857	90,576,454
Court Request 17		3,294,667	3,294,667		
Court Request 18	8,000,000		8,000,000		
Court Request 19	3,222,224	1,968,898	5,191,122		
Restoration Reserve Transfer			35,996,231		
Court Request 20		8,000,000	8,000,000		
Court Request 21	1,007,000	5,520,500	6,527,500		
Court Request 22	18,818,600	24,556,885	43,375,485		
Total Fiscal Year 1996	31,047,824	43,340,950	110,385,004	396,307	110,781,312
Court Request 23	2,613,500	0	2,613,500		
Court Request 24	176,500	3,075,625	3,252,125		
Court Request 25	785,859	442,833	1,228,692		
Court Request 26	24,154,000	530,000	24,684,000		
Court Request 27	324,700	1,470,900	1,795,600		
Restoration Reserve Transfer			12,449,552		
Court Request 28	0	2,627,000	2,627,000		
Court Request 29	5,919,169	5,699,772	11,618,941		
Court Request 30	26,128,074	4,000,000	30,128,074		
Total Fiscal Year 1997	60,101,802	17,846,130	90,397,484	254,221	90,651,705
Court Request 31	445,200	643,800	1,089,000		
Court Request 32	464,300	996,100	1,460,400		
Court Request 33	14,150,000		14,150,000		
Court Request 34	4,000,000		4,000,000		
Court Request 35	20,408,961	14,046,700	34,455,661		
Court Request 35 Correction					
Total Fiscal Year 1998	39,468,461	15,686,600	55,155,061	199,946	55,355,007
Court Request 35 Correctio	-300		-300		
Court Request 36		29,520,000	29,520,000		
Court Request 37	13,000,000		13,000,000		
Court Request 38	451,100	1,613,200	2,064,300		
Court Request 39	156,300		156,300		
98180 Revenue Adjustment	21,400	-21,400	0		
Court Request 40	4,951,500	4,858,800	9,810,300		
Court Request 41	14,096,850	26,487,390	40,584,240		
Total Fiscal Year 1999	32,676,850	62,457,990	95,134,840	260,812	95,395,652
Total	232,749,633	250,935,918	532,131,334	2,239,144	534,370,477

**Exxon Valdez Liquidity Account**  
**Interest Earned/District Court Registry Fees**  
**As of October 31, 1999**

	FFY 1993	FFY 1994	FFY 1995	FFY 1996	FFY 1997	FFY 1998	FFY 1999	Total
Earnings Deposits	31,124	33,476	55,809					138,092
Earnings Allocated:								
1991								28,704
1992	553,697							1,080,309
1993	639,180	1,461,736						2,100,915
1994		1,876,788	1,402,938					3,279,726
1995			3,661,063	1,202,209				4,863,272
1996				2,364,556	810,894			3,175,451
1997					1,905,955	653,461		2,559,416
1998						1,820,177	695,964	2,516,141
1999							1,373,833	1,373,833
Total	1,192,876	3,338,524	5,064,001	3,566,766	2,716,849	2,473,639	2,069,797	20,977,768
Total Earnings	1,224,000	3,372,000	5,119,809	3,566,766	2,716,849	2,473,639	2,069,797	21,115,860
Registry Fees:								
1991								3,189
1992	100,223							120,034
1993	53,777	179,658						233,435
1994		184,342	180,072					364,414
1995			406,785	133,579				540,364
1996				262,729	90,099			352,828
1997					164,121	52,983		217,105
1998						146,962	166,171	313,134
1999							94,641	94,641
Total	154,000	364,000	586,857	396,307	254,221	199,946	260,812	2,239,144
Gross Earnings	1,378,000	3,736,000	5,706,667	3,963,073	2,971,070	2,673,585	2,330,609	23,355,004

Schedule of Interest Earned on United States and State of Alaska Accounts			
As of October 31, 1999			
	State of Alaska	United States	
	EVOSS Account	NRDA& R	Total
January 1996	134,300		134,300
February 1996	122,348		122,348
March 1996	132,469	64,381	196,850
April 1996	126,550		126,550
May 1996	136,732		136,732
June 1996	145,501	73,267	218,768
July 1996	128,195		128,195
August 1996	106,079		106,079
September 1996	110,890	29,042	139,933
October 1996	181,598		181,598
November 1996	162,806		162,806
December 1996	153,991	71,093	225,084
January 1997	147,934		147,934
February 1997	125,137		125,137
March 1997	131,457	24,374	155,831
April 1997	122,111		122,111
May 1997	114,954		114,954
June 1997	99,811	368,523	468,334
July 1997	221,906		221,906
August 1997	36,898		36,898
September 1997	159,695	38,289	197,984
October 1997	119,195		119,195
November 1997	49,120		49,120
December 1997	92,204	130,183	222,387
January 1998	120,038		120,038
February 1998	29,888		29,888
March 1998	59,202	76,715	135,917
April 1998	55,222		55,222
May 1998	59,406		59,406
June 1998	50,136	74,613	124,749
July 1998	37,215		37,215
August 1998	78,178		78,178
September 1998	157,591	(44,921)	112,670
October 1998	61,084		61,084
November 1998	(16,484)		(16,484)
December 1998	74,639	87,633	162,272
January 1999	80,222		80,222
February 1999	(78,738)		(78,738)
March 1999	101,632	172,530	274,162
April 1999	58,096		58,096
May 1999	(12,282)		(12,282)
June 1999	37,975	94,821	132,797
July 1999	28,764		28,764
August 1999	37,133		37,133
September 1999	147,627	100,380	248,007
October 1999	80,400		80,400
Total	6,278,913	1,701,808	7,980,720
NOTE: The \$117,178 NRDA&R interest figure is cumulative.			
Interest was earned for the period July 1992 through December 1995, but the specific amounts have been hidden to allow the spreadsheet to print on one page.			

**Schedule of Interest Adjustments to the Court Requests**  
**As of October 31, 1999**

Court Request	United States	State of Alaska	Total	Comments
Adjustment	2		2	Per Robert Baldauf 12/6/96
Court Request 2	39,871	80,775	120,646	
Court Request 3	3,648	35,012	38,660	
<b>Total Fiscal Year 1993</b>	<b>43,521</b>	<b>115,787</b>	<b>159,308</b>	
Court Request 5	51,231	64,944	116,175	
Court Request 6	22,427	180,536	202,963	
Court Request 7		58,554	58,554	
<b>Total Fiscal Year 1994</b>	<b>73,658</b>	<b>304,034</b>	<b>377,692</b>	
Court Request 8	34,621	52,823	87,444	
Court Request 9		117,838	117,838	
Court Request 10	37,618	44,291	81,909	
Court Request 13	3,849	320,837	324,686	
Court Request 15	63,226	449,634	512,860	
<b>Total Fiscal Year 1995</b>	<b>139,314</b>	<b>985,423</b>	<b>1,124,737</b>	
Court Request 19	48,676	262,202	310,878	
Notice 1	37,100	300	37,400	
Notice 2	26,600	289,400	316,000	
Court Request 22	109,666	934,433	1,044,099	
<b>Total Fiscal Year 1996</b>	<b>222,042</b>	<b>1,486,335</b>	<b>1,708,377</b>	
Court Request 25	29,041	398,567	427,608	
Notice 3		275,700	275,700	
Court Request 29	463,989	782,501	1,246,490	
<b>Total Fiscal Year 1997</b>	<b>493,030</b>	<b>1,456,768</b>	<b>1,949,798</b>	
Notice 4	19,000	8,700	27,700	
Court Request 35	300		300	
<b>Total Fiscal Year 1998</b>	<b>19,300</b>	<b>8,700</b>	<b>28,000</b>	
Adjustments to Date	990,865	4,357,047	5,347,912	
Total Interest Reporte	1,701,808	6,278,913	7,980,720	linked to the Int Acct spreadsheet
<b>Unallocated Interest</b>	<b>710,943</b>	<b>1,921,866</b>	<b>2,632,809</b>	

Footnote: The Total Interest Reported is linked to the INT Acct spreadsheet

**Schedule of Lapse Adjustments to the Court Requests  
As of October 31, 1999**

<u>Court Request</u>	<u>United States</u>	<u>State of Alaska</u>	<u>Total</u>
Court Request 6	3,106,555	3,661,600	6,768,155
Total Fiscal Year 1994	3,106,555	3,661,600	6,768,155
Court Request 15	220,858	2,376,950	2,597,808
Total Fiscal Year 1995	220,858	2,376,950	2,597,808
Court Request 22	1,165,334	2,500,448	3,665,782
Total Fiscal Year 1996	1,165,334	2,500,448	3,665,782
Court Request 29	1,102,442	3,549,927	4,652,369
Total Fiscal Year 1997	1,102,442	3,549,927	4,652,369
Total Adjustments	5,595,189	12,088,925	17,684,114

**Schedule of Work Plan Authorizations and Other Authorizations**

	FFY 92	FFY 93	FFY 94	FFY 97	FFY 98	FFY 99	FFY 00	Total
<b>Work Plan Authorizations</b>								
<b>United States:</b>								
June 15, 1992	6,320,500	0	0					
January 25, 1993	0	3,113,900	0					
January 25, 1993	0	6,035,500	0					
November 10, 1993	0	0	0					
November 30, 1993	0	0	2,567,300					
June 1994			4,536,800					
June 1994			84,500					
July 1994			1,500,000					
Carry Forward Authorization								
August 1994								
November 1994								
December 1994								
March 1995								
August 1995								
December 1995								
January 1996								
April 1996								
May 1996								
June 1996								
August 1996				7,923,700				
December 1996				310,900				
February 1997				0				
May 1997				0				
August 1997				85,000	7,263,600			
December 1997					445,200			
June 1998					(39,200)			
August 1998						5,397,700		
December 1998						451,100		
May 1999								
August 1999						91,700	4,859,800	
<b>Total</b>	<b>6,320,500</b>	<b>9,149,400</b>	<b>8,688,600</b>	<b>8,319,600</b>	<b>7,669,600</b>	<b>5,940,500</b>	<b>4,859,800</b>	<b>68,431,300</b>



**Schedule of Work Plan Authorizations and Other Authorizations**

	FFY 92	FFY 93	FFY 94	FFY 97	FFY 98	FFY 99	FFY 00	Total
<b>Work Plan Authorizations</b>								
<b>State of Alaska</b>								
June 15, 1992	6,559,200	0	0					
January 25, 1993	0	3,574,000	0					
January 25, 1993	0	7,570,900	0					
November 30, 1993	0	0	4,454,400					
June 1994			12,391,700					
June 1994			215,800					
July 1994			0					
Carry Forward Authorization								
August 1994								
November 1994								
December 1994								
March 1995								
August 1995								
December 1995								
April 1996								
May 1996								
June 1996								
August 1996				11,606,300				
December 1996				310,400				
February 1997				275,700				
May 1997				0				
August 1997				(85,000)	9,393,200			
December 1997					643,800			
June 1998					66,900			
August 1998						8,131,400		
December 1998						1,613,200		
January 1999						12,700		
May 1999								
August 1999						(13,000)	4,871,800	
September 1999							40,400	
<b>Total</b>	<b>6,559,200</b>	<b>11,144,900</b>	<b>17,061,900</b>	<b>12,107,400</b>	<b>10,103,900</b>	<b>9,744,300</b>	<b>4,912,200</b>	<b>104,544,500</b>

**Schedule of Work Plan Authorizations and Other Authorizations**

	FFY 92	FFY 93	FFY 94	FFY 97	FFY 98	FFY 99	FFY 00	Total
<b>Other Authorizations</b>								
United States:								
Orca Narrows (6/94)			2,000,000					3,450,000
Eyak Limited Conservation Easement								200,000
Eyak						27,096,850		27,096,850
Kodiak National Wildlife Refuge (3/95, 9/95 AKI)				7,500,000				36,000,000
Kodiak National Wildlife Refuge (3/95, 9/95 Old Harbor)								11,250,000
Koniag				4,500,000				17,000,000
Small Parcels				3,740,200	4,464,300			8,583,500
Chenega Land Acquisition				24,000,000				24,000,000
Chenega-Area Oiling Reduction				157,400	182,000			343,000
Tatitlek					14,150,000			14,150,000
English Bay				14,128,074				14,128,074
<b>Total</b>			2,000,000	54,025,674	18,796,300	27,096,850	0	156,201,424
State of Alaska:								
Kachemak Bay State Park (1/95)		7,500,000						7,500,000
Alutiiq Repository (11/93)		1,500,000						1,500,000
Seal Bay (11/93,11/94,11/95,11/96)			29,950,000	3,075,625				39,549,334
Shuyak (3/96, 10/96 - 10/02)				2,194,266	4,000,000	4,000,000		18,194,266
Afognak Joint Ventures (10/98)						50,247,509		50,247,509
Small Parcels				3,738,000	996,100	770,000		10,524,600
Alaska SeaLife Center								24,956,000
Chenega-Area Oiling Reduction				1,732,000				1,732,000
Alaska SeaLife Center Fish Pass				545,600				545,600
Alaska SeaLife Center Equipment				724,000				724,000
Sound Waste Management Plan				1,167,900		1,857,100		3,025,000
Archaeological Repository							89,000	89,000
<b>Total</b>		9,000,000	29,950,000	13,177,391	4,996,100	56,874,609	0	158,498,309
<b>Total Other Authorizations</b>	0	9,000,000	31,950,000	67,203,065	23,792,400	83,971,459	0	314,699,733
<b>Total Work Plan Authorizations</b>	12,879,700	20,294,300	25,750,500	20,427,000	17,773,500	15,684,800	9,772,000	172,975,800
<b>Restoration Reserve</b>				12,449,552	0	0	0	48,445,783
<b>Total Authorized</b>	12,879,700	29,294,300	57,700,500	100,079,617	41,565,900	99,656,259	9,772,000	536,121,316

**Exxon Valdez Storage Reserve**  
For the period ending October 31, 1999

	Matured	Purchase Date	Maturity Date	Unit Cost	Bond Yield	Holding Period	Par Value	Purchase Price	Projected Interest	Daily Accrual	Interest Accrued	Fees Accrued
A1	YES	02/15/96	11/15/97	92.014982	4.820%	639	6,520,000	5,999,376.83	520,623.17	814.75	520,623.17	52,062.32
A2	YES	02/15/96	11/15/98	87.582363	4.885%	1004	6,850,000	5,999,391.87	850,608.13	847.22	850,608.13	85,060.81
<b>A3</b>		<b>02/15/96</b>	<b>11/15/99</b>	<b>82.953778</b>	<b>5.050%</b>	<b>1369</b>	<b>7,232,000</b>	<b>5,999,217.22</b>	<b>1,232,782.78</b>	<b>900.50</b>	<b>1,220,175.80</b>	<b>113,012.59</b>
A4		02/15/96	11/15/00	78.462785	5.175%	1735	7,646,000	5,999,264.54	1,646,735.46	949.13	1,286,067.17	119,115.45
A5		02/15/96	11/15/01	73.993112	5.310%	2100	8,108,000	5,999,361.52	2,108,638.48	1,004.11	1,360,573.88	126,016.25
A6		02/15/96	11/15/02	69.640845	5.435%	2465	8,615,000	5,999,558.80	2,615,441.20	1,061.03	1,437,696.89	133,159.38
B1	YES	06/19/97	11/15/98	92.238000	5.835%	514	2,245,000	2,070,743.10	174,256.90	339.02	174,256.90	17,425.69
<b>B2</b>		<b>06/19/97</b>	<b>11/15/99</b>	<b>86.555000</b>	<b>6.095%</b>	<b>879</b>	<b>2,397,000</b>	<b>2,074,723.35</b>	<b>322,276.65</b>	<b>366.64</b>	<b>317,143.69</b>	<b>28,047.97</b>
B3		06/19/97	11/15/00	81.242000	6.195%	1245	2,554,000	2,074,920.68	479,079.32	384.80	332,854.31	29,437.40
B4		06/19/97	11/15/01	76.141000	6.285%	1610	2,725,000	2,074,842.25	650,157.75	403.82	349,308.36	30,892.59
B5		06/19/97	11/15/02	71.628000	6.270%	1975	2,896,000	2,074,346.88	821,653.12	416.03	359,863.27	31,826.06
B6		06/19/97	11/15/03	66.930000	6.360%	2340	3,106,000	2,079,915.79	1,026,084.21	438.50	379,300.36	33,545.06
C1		11/17/97	11/15/04	66.629000	5.890%	2555	9,281,000	6,183,837.49	3,097,162.51	1,212.20	866,720.62	74,550.10
											9,455,192.54	874,151.67

Status:

A1 The proceeds were reinvested 11/17/97 (C1).  
A2 The proceeds were deposited into the Liquidity Account.  
B1 The proceeds were deposited into the Liquidity Account.

Deposits:

FY 96 (Securities A1-A6) 35,996,170.78  
FY 97 (Securities B1-B6) 12,449,492.05  
FY 98 10.00

FRB

Principal 48,445,662.83

Average CRIS Liquidity Yield 4.68%

Gross Earnings 9,455,192.54  
Less: Unpaid Fees 822,089.35  
Less: 1998 Securities (Par) 9,095,001.76  
Total 47,983,764.26

Pending Deposits 47,861,795.19

Balance 95,845,559.45 130.00  
Prior Period 95,440,250.90  
Net Change 405,308.55

Fees to Date 52,062.32  
Unpaid Fees 822,089.35

	Principal	Adjustment	Interest	Total
FY 1998 Deposit	12,000,000	0	1,275,000	13,275,000
1998 Par Value	9,095,002	284,088	457,705	9,836,795
FY 1999 Deposit	12,000,000	0	675,000	12,675,000
FY 2000 Deposit	<u>12,000,000</u>	<u>0</u>	<u>75,000</u>	<u>12,075,000</u>
Liquidity Account Total	45,095,002	284,088	2,482,705	47,861,795
Fiscal Year 1998 Contribution				
Period Ending	Principal	Interest @ 5%	Total Transfer	
September-97	12,000,000	25,000	12,025,000	
October-97	12,000,000	75,000	12,075,000	
November-97	12,000,000	125,000	12,125,000	
December-97	12,000,000	175,000	12,175,000	
October-98	12,000,000	675,000	12,675,000	
November-98	12,000,000	725,000	12,725,000	
December-98	12,000,000	775,000	12,775,000	
January-99	12,000,000	825,000	12,825,000	
February-99	12,000,000	875,000	12,875,000	
March-99	12,000,000	925,000	12,925,000	
April-99	12,000,000	975,000	12,975,000	
May-99	12,000,000	1,025,000	13,025,000	
June-99	12,000,000	1,075,000	13,075,000	
July-99	12,000,000	1,125,000	13,125,000	
August-99	12,000,000	1,175,000	13,175,000	
September-99	12,000,000	1,225,000	13,225,000	
October-99	12,000,000	1,275,000	13,275,000	
November-99	12,000,000	1,325,000	13,325,000	
December-99	12,000,000	1,375,000	13,375,000	
Fiscal Year 1999 Contribution				
Period Ending	Principal	Interest @ 5%	Total Transfer	
September-98	12,000,000	25,000	12,025,000	
October-98	12,000,000	75,000	12,075,000	
November-98	12,000,000	125,000	12,125,000	
December-98	12,000,000	175,000	12,175,000	
January-99	12,000,000	225,000	12,225,000	
February-99	12,000,000	275,000	12,275,000	
March-99	12,000,000	325,000	12,325,000	
April-99	12,000,000	375,000	12,375,000	
May-99	12,000,000	425,000	12,425,000	
June-99	12,000,000	475,000	12,475,000	
July-99	12,000,000	525,000	12,525,000	
August-99	12,000,000	575,000	12,575,000	
September-99	12,000,000	625,000	12,625,000	
October-99	12,000,000	675,000	12,675,000	
November-99	12,000,000	725,000	12,725,000	
December-99	12,000,000	775,000	12,775,000	

Fiscal Year 2000 Contribution				
Period Ending	Principal	Interest @ 5%	Total Transfer	
September-99	12,000,000	25,000	12,025,000	
October-99	12,000,000	75,000	12,075,000	
November-99	12,000,000	125,000	12,125,000	
December-99	12,000,001	125,000	12,125,001	

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



## MEMORANDUM

**To:** Selected Principal Investigators/Project Leaders (see enclosure)

**From:** Molly McCammon  
Executive Director

**Date:** November 24, 1999

**Re:** Oral Presentations at the 2000 Restoration Workshop

The 2000 Restoration Workshop is scheduled for January 18 - 19, 2000 at the Hotel Captain Cook in Anchorage. The theme of the 2000 workshop is "Applying Science to Human Needs: Starting the Transition to the Gulf Ecosystem Monitoring (GEM) Program." You should have received by now a general call for abstracts and posters.

As in the past, there will be presentations on various EVOS projects, as well as a number of "synthesis" presentations. **Accordingly, the purpose of this memorandum is to invite you to give one of the oral presentations as currently listed in the enclosed draft agenda.**

Not all presentations will be of the same length, so please see the enclosed agenda for details about your suggested topic and the time allotted. The time allotted includes both the oral presentation and any follow up questions (e.g., for a 20-minute time slot the talks should be 15 minutes, plus 5 minutes for questions).

My hope is that each of you has made plans to be at the workshop and will be available to give this presentation. **At your earliest convenience, please confirm your participation, or let me know if there is a problem, by E-mail [molly\\_mccammon@oilspill.state.ak.us](mailto:molly_mccammon@oilspill.state.ak.us) or by telephone.** If someone other than you will give the talk, please also let me know so that we can get the right person on the printed program. Once the program is set, we will get back to you with more details. Thank you.

Enclosures: Draft Agenda

cc: Agency Liaisons  
Restoration Work Force  
Phil Mundy  
Sandra Schubert

mm/raw

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**2000 Restoration Workshop  
January 18-19, 2000**

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***Applying Science to Human Needs: Starting the Transition  
to the Gulf Ecosystem Monitoring (GEM) Program***

**Day 1 - Tuesday, January 18**

8:00 am      Registration

8:30            Introduction and Annual Report on EVOS Program  
*Molly McCammon, Executive Director*

8:45            Presentation of Draft Gulf Ecosystem Monitoring (GEM) Program  
*Bob Spies, Trustee Council Chief Scientist*  
*Phil Mundy, Trustee Council Science Coordinator*

9:15            **Session I: Historical and Current Status of Natural Resources in the  
Gulf of Alaska**

NOTE: This session would look more broadly at what is happening with resource populations throughout the northern Gulf of Alaska. Speakers would be asked to address (1) the current status of resource populations in the Gulf of Alaska compared to historical levels and climate and (2) how what we've learned informs what should be done in the future (i.e., under GEM). (20 min. per speaker)

*Shellfish, Paul Anderson*

*Seabirds, Vernon Byrd*

10:00          Break

10:30          Continue Session I

*Marine Mammals, Lloyd Lowry*

*Nearshore and Intertidal Communities, Steve Jewett*

*Salmon, Doug Eggers*

*Groundfish, Dave Wetherall or Jane DiCosimo?*

12:15          Lunch (provided)

*Possible remarks (30 min.) by Lieutenant Governor Fran Ulmer, Chair of  
North Pacific Anadromous Fish Commission, on role of GEM in marine  
resource use and oceans policy in Alaska*

1:30 pm       **Session II: Legacy of Restoration Program to Date**

NOTE: Speakers in this session would be asked to address (1) what we know now in terms of the bigger picture that we didn't know before, (2) how what we've learned informs what should be done in the future (i.e., under GEM), and (3) what tools have been developed that will be useful in the future.

**Ila.**      Overview (15 min.)

*Bob Spies, Trustee Council Chief Scientist*

**D R A F T**

**IIb. Ecological Knowledge**

(20 min. per speaker)

*SEA, Ted Cooney*

*APEX, Dave Duffy*

*NVP, Tom Dean*

2:45 Break

3:15 **IIc. Community & Single Species Work**

(20 min. per speaker)

*Seabirds, John Piatt*

*Salmon, Mark Willette*

*Herring, Brenda Norcross*

*Intertidal Communities, Pete Peterson*

*Harbor Seals, Kathy Frost*

5:00 Adjourn for day

5:30 - 7:30 Poster session and reception

**Day 2 - Wednesday, January 19**

8:00 am **IId. Management and Monitoring Techniques**

(15 min. per speaker)

*Pristane, Jeff Short*

99195

*Fisheries management using remote video, Ted Otis*

99366

*Seabird monitoring with remote video, ?*

99434

*Pigeon guillemots at ASLC, Dan Roby?*

99327

*Seabird genetics, Vicki Friesen?*

99169

*Seabird monitoring with marine surveys, Dave Irons*

99159

9:15 **Ile. Working with Communities**

(15 min. per speaker)

*Kametlook River restoration, L. Scarbrough?*

99247

*Kenai River restoration, ADNR & ADFG rep*

99180

*TEK, Henry Huntington and Gary Kompkoff?*

99052

10:00 Break

10:30 Continue Session Ile

(15 min. per speaker)

*Human Use Model, Murphy & Suring?*

99339

*Youth Area Watch, student participants*

99210

*Cook Inlet Info. Mgt. & Monitoring System, K. Zeiner?*

99391

*Port Graham stream enhancement, W. Meganack?*

99225

11:30 **Session III: Lingering Questions About EVOS Oil and Damage**

NOTE: This session would focus on what role oil plays in the inability of some

**DRAFT**



populations to recover from the effects of the spill. (15 min. per speaker)

*Salmon, Jeep Rice* 99329

*Herring, Mark Carls* 99328

*Nearshore resources, Brenda Bellachey* 99025

*Residual oil in mussel beds, Harris & Brodersen?* 99090

12:30 pm Lunch (provided)

Keynote address (30 min.)

*Pat Livingston, Chair of PICES Science Committee (Pacific Chapter of the International Council on Exploration of the Sea)*

1:30 **Session IV: Lessons from other Programs and Projects**

NOTE: This session would include multiple speakers who would be asked to discuss their work as it relates to GEM. (20 min. per speaker)

*Canadian GLOBEC, David Welch*

*Environmental Cues for Fisheries Management, Gordon Kruse*

*Fisheries Oceanography Coordinated Investigation (FOCI), Allan Macklin*

*National Mussel Watch, Alan Mearns*

*Canadian OPEN Program, George Rose*

*Future of Environmental Cues for Resource Management, Ann Hollowed*

3:30 Break

4:00 **Session V: Panel Discussion on Potential Value of GEM to Various Stakeholders**

NOTE: Panelists would be asked to share their observations on GEM.

*Moderator: Core Peer Reviewer, Pete Peterson*

*Panelists: Resource management*

*Alaska Native village*

*University of Alaska*

*Conservation organization*

*Commercial fishing*

*Business*

*Informed public*

5:00 Closing Remarks

*Molly McCammon, Executive Director*

5:15 Adjourn

**DRAFT**

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



## MEMORANDUM

TO: Dede Bohn / DOI-USGS Liaison

FROM: Molly McCammon  
Executive Director

RE: Authorization -- Project 00025-CLO / Mechanisms of Impact and Potential Recovery of Nearshore Vertebrate Predators (NVP)

DATE: November 22, 1999

The purpose of this memorandum is to formally authorize work to proceed on Project 00025-CLO / Mechanisms of Impact and Potential Recovery of Nearshore Vertebrate Predators (NVP). The work must be performed consistent with the Detailed Project Description dated April 14, 1999, and the revised budget dated July 7, 1999.

---

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# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



## MEMORANDUM

TO: Dede Bohn / DOI-USGS Liaison

FROM: Molly McCammon  
Executive Director

RE: Authorization -- Project 00423 / Patterns and Processes of Population  
Change in Selected Nearshore Vertebrate Predators

DATE: November 22, 1999

The purpose of this memorandum is to formally authorize work to proceed on Project 00423 / Patterns and Processes of Population Change in Selected Nearshore Vertebrate Predators. The work must be performed consistent with the Detailed Project Description dated July 6, 1999, and the revised budget dated July 6, 1999.

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# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 12, 1999

Art Kendall  
NOAA/AFSC/RACE  
7600 Sand Point Way, NE  
Seattle, Washington 98115

Dear Mr. Kendall:

The purpose of this letter is to ask whether you might be available to present a plenary address at the annual Restoration Workshop of the *Exxon Valdez* Oil Spill Trustee Council. The workshop will be held January 18-19, 2000 at the Hotel Captain Cook in Anchorage.

The theme of this year's workshop is Applying Science to Human Needs: Starting the Transition to the Gulf Ecosystem Monitoring (GEM) Program. We are looking for a talk of about 25 minutes in length on the work in your field as it applies to this theme. A brief description of the draft GEM program is enclosed. The entire draft is available on the net at [www.oilspill.state.ak.us](http://www.oilspill.state.ak.us). The GEM program is a product of the Trustee Council's commitment to long-term research and monitoring in the northern Gulf of Alaska as a final legacy of the 1989 oil spill.

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Once we confirm your participation, we will follow up with more background information. We would be able to cover expenses (airfare, lodging and per diem) and would handle those arrangements.

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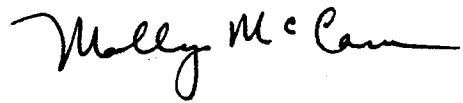
U.S. Department of the Interior  
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Alaska Department of Law

I look forward to hearing from you soon. Thank you.

Sincerely,

A handwritten signature in black ink that reads "Molly McCammon". The signature is fluid and cursive, with the first name "Molly" being more prominent than the last name "McCammon".

Molly McCammon  
Executive Director

Enclosure: Trustee Council's newsletter on GEM

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 12, 1999

Jack Helle  
North Pacific Anadromous Fish Commission  
Auke Bay Laboratory  
11305 Glacier Highway  
Juneau, Alaska 99801

Dear Mr. Helle:

The purpose of this letter is to ask whether you might be available to present a plenary address at the annual Restoration Workshop of the *Exxon Valdez* Oil Spill Trustee Council. The workshop will be held January 18-19, 2000 at the Hotel Captain Cook in Anchorage.

The theme of this year's workshop is Applying Science to Human Needs: Starting the Transition to the Gulf Ecosystem Monitoring (GEM) Program. We are looking for a talk of about 25 minutes in length on the work in your field as it applies to this theme. A brief description of the draft GEM program is enclosed. The entire draft is available on the net at [www.oilspill.state.ak.us](http://www.oilspill.state.ak.us). The GEM program is a product of the Trustee Council's commitment to long-term research and monitoring in the northern Gulf of Alaska as a final legacy of the 1989 oil spill.

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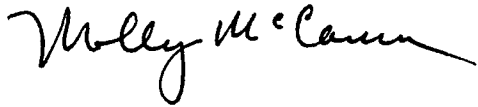
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Molly McCammon  
Executive Director

Enclosure: Trustee Council's newsletter on GEM

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 12, 1999

Allan Macklin  
NOAA/PMEL  
7600 Sand Point Way, NE  
Seattle, Washington 98115

Dear Mr. Macklin:

The purpose of this letter is to ask whether you might be available to present a plenary address at the annual Restoration Workshop of the *Exxon Valdez* Oil Spill Trustee Council. The workshop will be held January 18-19, 2000 at the Hotel Captain Cook in Anchorage.

The theme of this year's workshop is Applying Science to Human Needs: Starting the Transition to the Gulf Ecosystem Monitoring (GEM) Program. We are looking for a talk of about 25 minutes in length on the work in your field as it applies to this theme. A brief description of the draft GEM program is enclosed. The entire draft is available on the net at [www.oilspill.state.ak.us](http://www.oilspill.state.ak.us). The GEM program is a product of the Trustee Council's commitment to long-term research and monitoring in the northern Gulf of Alaska as a final legacy of the 1989 oil spill.

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Molly McCammon  
Executive Director

Enclosure: Trustee Council's newsletter on GEM

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 12, 1999

Albert V. Tyler, Ph.D.  
University of Alaska Fairbanks  
School of Fisheries and Ocean Sciences  
P.O. Box 757220  
Fairbanks, Alaska 99775-7220

Dear Dr. Tyler:

The purpose of this letter is to ask whether you might be available to present a plenary address at the annual Restoration Workshop of the *Exxon Valdez* Oil Spill Trustee Council. The workshop will be held January 18-19, 2000 at the Hotel Captain Cook in Anchorage.

The theme of this year's workshop is Applying Science to Human Needs: Starting the Transition to the Gulf Ecosystem Monitoring (GEM) Program. We are looking for a talk of about 25 minutes in length on the work in your field as it applies to this theme. A brief description of the draft GEM program is enclosed. The entire draft is available on the net at [www.oilspill.state.ak.us](http://www.oilspill.state.ak.us). The GEM program is a product of the Trustee Council's commitment to long-term research and monitoring in the northern Gulf of Alaska as a final legacy of the 1989 oil spill.

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Molly McCammon  
Executive Director

Enclosure: Trustee Council's newsletter on GEM

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 12, 1999

Nathan Mantua  
University of Washington  
Department of Atmospheric Sciences  
Box 354235  
Seattle, Washington 98195-4235

Dear Mr. Mantua:

The purpose of this letter is to ask whether you might be available to present a plenary address at the annual Restoration Workshop of the *Exxon Valdez* Oil Spill Trustee Council. The workshop will be held January 18-19, 2000 at the Hotel Captain Cook in Anchorage.

The theme of this year's workshop is Applying Science to Human Needs: Starting the Transition to the Gulf Ecosystem Monitoring (GEM) Program. We are looking for a talk of about 25 minutes in length on the work in your field as it applies to this theme. A brief description of the draft GEM program is enclosed. The entire draft is available on the net at [www.oilspill.state.ak.us](http://www.oilspill.state.ak.us). The GEM program is a product of the Trustee Council's commitment to long-term research and monitoring in the northern Gulf of Alaska as a final legacy of the 1989 oil spill.

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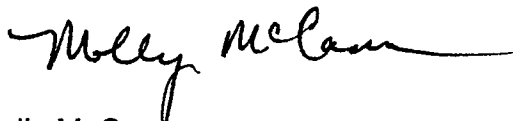
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Molly McCammon  
Executive Director

Enclosure: Trustee Council's newsletter on GEM

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 12, 1999

Dr. Hal Batchelder  
University of California Berkeley  
U.S. GLOBEC Office  
Dept of Integrative Biology  
Berkeley, California 94720-3140

Dear ~~Dr. Batchelder:~~ <sup>Hal</sup>

The purpose of this letter is to ask whether you might be available to present a plenary address at the annual Restoration Workshop of the *Exxon Valdez* Oil Spill Trustee Council. The workshop will be held January 18-19, 2000 at the Hotel Captain Cook in Anchorage.

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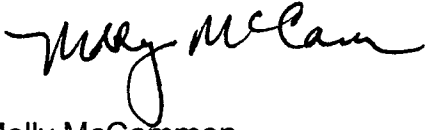
U.S. Department of the Interior  
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Molly McCammon  
Executive Director

Enclosure: Trustee Council's newsletter on GEM

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 12, 1999

Dave Welch  
Department of Fisheries and Oceans  
Pacific Biological Station  
Nanaimo, BC V9R 5K6  
Canada

Dear Mr. Welch:

The purpose of this letter is to ask whether you might be available to present a plenary address at the annual Restoration Workshop of the *Exxon Valdez* Oil Spill Trustee Council. The workshop will be held January 18-19, 2000 at the Hotel Captain Cook in Anchorage.

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Molly McCammon  
Executive Director

Enclosure: Trustee Council's newsletter on GEM

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 12, 1999

Steve Hare  
International Halibut Pacific Commission  
P.O. Box 95009  
Seattle, Washington 98145-2009

Dear Mr. Hare:

The purpose of this letter is to ask whether you might be available to present a plenary address at the annual Restoration Workshop of the *Exxon Valdez* Oil Spill Trustee Council. The workshop will be held January 18-19, 2000 at the Hotel Captain Cook in Anchorage.

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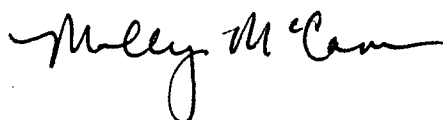
U.S. Department of the Interior  
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Executive Director

Enclosure: Trustee Council's newsletter on GEM

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 12, 1999

Ann Hollowed  
Alaska Fisheries Science Center  
National Marine Fisheries Service  
7600 Sand Point Way, NE  
BIN C1570011033  
Seattle, Washington 98115

Dear Ms. Hollowed:

The purpose of this letter is to ask whether you might be available to present a plenary address at the annual Restoration Workshop of the *Exxon Valdez* Oil Spill Trustee Council. The workshop will be held January 18-19, 2000 at the Hotel Captain Cook in Anchorage.

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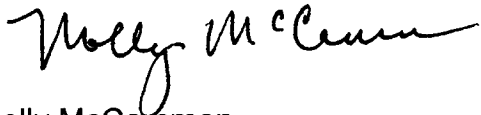
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Executive Director

Enclosure: Trustee Council's newsletter on GEM


# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 12, 1999

Gordon Kruse  
Alaska Department of Fish and Game  
Commercial Fish Management and Development  
P.O. Box 25526  
Juneau, Alaska 99802-5526

  
Dear Mr. Kruse:

The purpose of this letter is to ask whether you might be available to present a plenary address at the annual Restoration Workshop of the *Exxon Valdez* Oil Spill Trustee Council. The workshop will be held January 18-19, 2000 at the Hotel Captain Cook in Anchorage.

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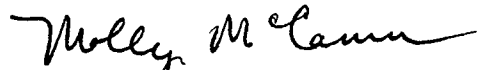
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Molly McCammon  
Executive Director

Enclosure: Trustee Council's newsletter on GEM

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 12, 1999

Pat Livingston  
Alaska Fisheries Science Center  
National Marine Fisheries Service  
7600 Sand Point Way, NE  
Seattle, Washington 98115-0070

Dear <sup>Pat</sup>Ms. ~~Livingston~~:

The purpose of this letter is to ask whether you might be available to present a plenary address at the annual Restoration Workshop of the *Exxon Valdez* Oil Spill Trustee Council. The workshop will be held January 18-19, 2000 at the Hotel Captain Cook in Anchorage.

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Molly McCammon  
Executive Director

Enclosure: Trustee Council's newsletter on GEM

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 12, 1999

Robert Frosch  
Belfer Center for Science and International Affairs  
J.F. Kennedy School of Government  
79 J.F. Kennedy Street, L 335  
Cambridge, Massachusetts 02138

Dear Mr. Frosch:

The purpose of this letter is to ask whether you might be available to present a plenary address at the annual Restoration Workshop of the *Exxon Valdez* Oil Spill Trustee Council. The workshop will be held January 18-19, 2000 at the Hotel Captain Cook in Anchorage.

The theme of this year's workshop is Applying Science to Human Needs: Starting the Transition to the Gulf Ecosystem Monitoring (GEM) Program. We are looking for a talk of about 25 minutes in length on the work in your field as it applies to this theme. A brief description of the draft GEM program is enclosed. The entire draft is available on the net at [www.oilspill.state.ak.us](http://www.oilspill.state.ak.us). The GEM program is a product of the Trustee Council's commitment to long-term research and monitoring in the northern Gulf of Alaska as a final legacy of the 1989 oil spill.

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Once we confirm your participation, we will follow up with more background information. We would be able to cover expenses (airfare, lodging and per diem) and would handle those arrangements.

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#### Federal Trustees

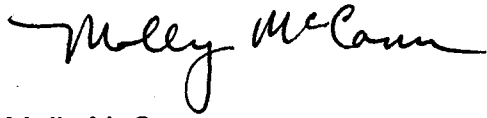
U.S. Department of the Interior  
U.S. Department of Agriculture  
National Oceanic and Atmospheric Administration

#### State Trustees

Alaska Department of Fish and Game  
Alaska Department of Environmental Conservation  
Alaska Department of Law

I look forward to hearing from you soon. Thank you.

Sincerely,

A handwritten signature in cursive script that reads "Molly McCammon". The signature is fluid and written in black ink.

Molly McCammon  
Executive Director

Enclosure: Trustee Council's newsletter on GEM

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 12, 1999

Billy Frank  
Northwest Indian Fish Commission  
6730 Martin Way East  
Olympia, Washington 98516-5540

Dear Mr. Frank:

The purpose of this letter is to ask whether you might be available to present a plenary address at the annual Restoration Workshop of the *Exxon Valdez* Oil Spill Trustee Council. The workshop will be held January 18-19, 2000 at the Hotel Captain Cook in Anchorage.

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Alaska Department of Law

I look forward to hearing from you soon. Thank you.

Sincerely,

Molly McCammon

Molly McCammon  
Executive Director

Enclosure: Trustee Council's newsletter on GEM

Dear Billy -

I hope you will be able to do this. The people in the villages are just beginning to organize in the resource management area, so your leadership would make a difference. Our program is going to be providing support to help local communities to get a voice in the management through sound science. Sounds like NWIFC twenty years ago?

Best regards,  
Phil Mundy

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 12, 1999

Craig Harrison  
Pacific Seabird Group  
Hunton & Williams  
1900 K Street, NW  
Washington, DC 20006

Dear Mr. ~~Harrison~~ <sup>Craig</sup>

The purpose of this letter is to ask whether you might be available to present a plenary address at the annual Restoration Workshop of the *Exxon Valdez* Oil Spill Trustee Council. The workshop will be held January 18-19, 2000 at the Hotel Captain Cook in Anchorage.

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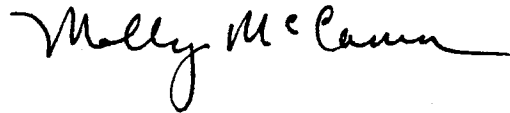
U.S. Department of the Interior  
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Alaska Department of Fish and Game  
Alaska Department of Environmental Conservation  
Alaska Department of Law

I look forward to hearing from you soon. Thank you.

Sincerely,

A handwritten signature in black ink that reads "Molly McCammon". The signature is fluid and cursive, with the first name "Molly" and last name "McCammon" clearly legible.

Molly McCammon  
Executive Director

Enclosure: Trustee Council's newsletter on GEM

SPECIAL EDITION

EXXON VALDEZ OIL SPILL TRUSTEE COUNCIL

# RESTORATION

Winter 2000

U P D A T E

Volume 7 Number 1

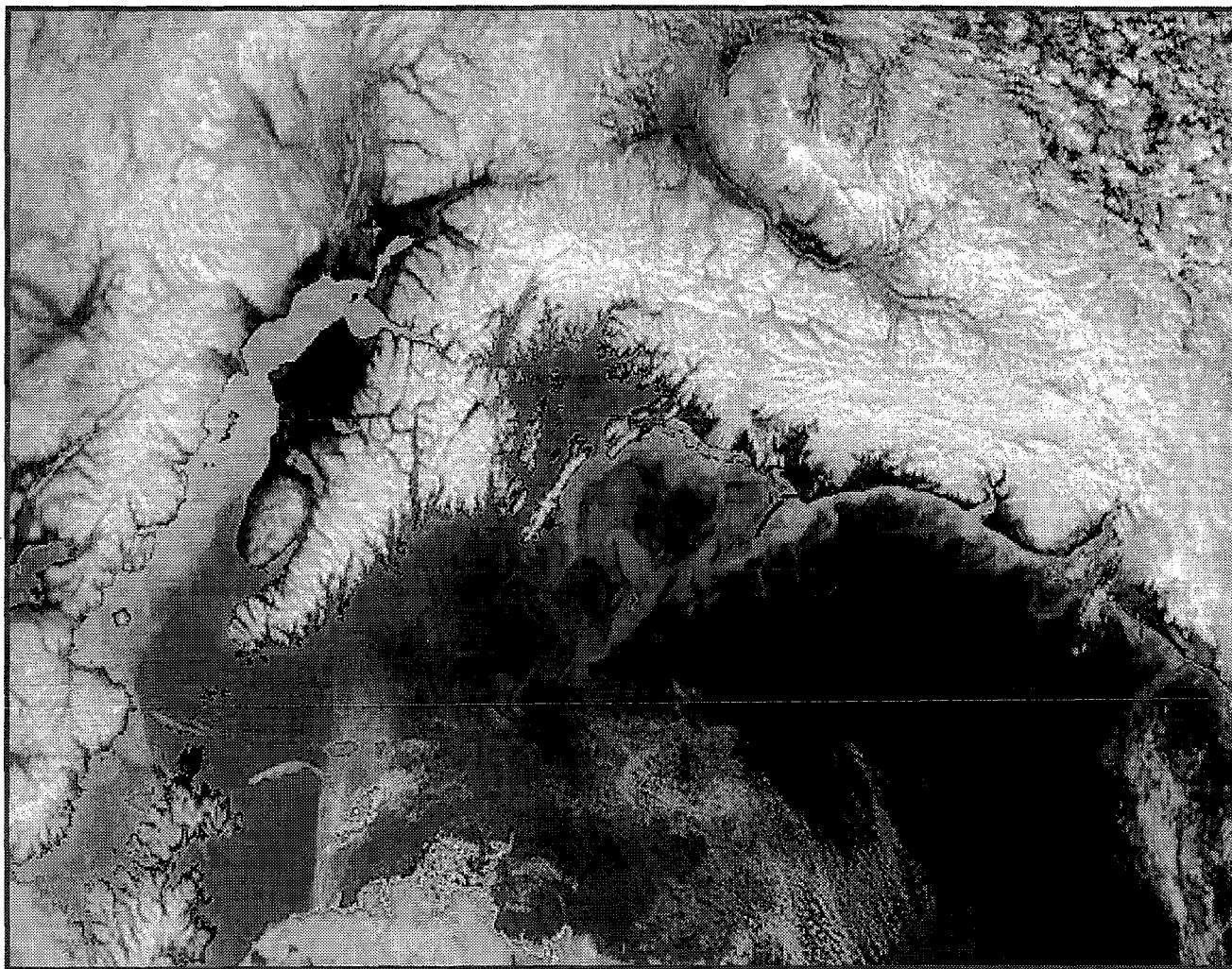
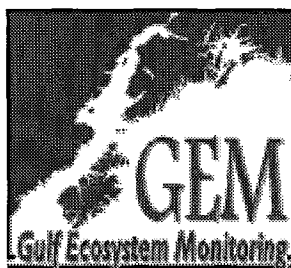


Photo courtesy the SeaWiFS Project, NASA/Goddard Space Flight Center and ORBIMAGE Corporation

## Gulf Ecosystem Monitoring

A DRAFT program to monitor vital signs of the northern Gulf of Alaska  
(including Prince William Sound, lower Cook Inlet, Kodiak Island, and the Alaska Peninsula)





# Can we predict the ways of the sea?

Should a retired school teacher invest her life savings in a commercial salmon fishing boat?

Will drastic changes in the billion-dollar pollock fishery be required to protect sea lions or will that population naturally rebound?

The *Exxon Valdez* Oil Spill Trustee Council is investing in the prospect that vital questions about the future of fisheries and marine life in the northern Gulf of Alaska will one day be answerable using long-term data sets and dependable ecosystem models. The result would be a new view of this important ecological and economic engine for Alaska, providing clear direction for resource managers, funding agencies, and individual citizens who work or live by the sea.

One of the clear lessons from the *Exxon Valdez* spill is that we need to have current and long-term data on the ecosystem in order to understand ongoing natural and human-caused changes.

As part of the oil spill legacy, the Trustee Council decided in March 1999 to establish a long-term monitoring and research program in the northern gulf, seeded with at least \$115 million. In making

this decision, the Council recognized that variables within this vast ecosystem are like billiard balls on a pool table. You can't strike one ball — a rise in water temperature, for instance — without it bouncing off of other balls, starting a chain reaction, and permanently altering the landscape. Some balls are forever relocated, some unmoved, and some, perhaps, forced off the face of the table. The only way to understand how natural and man-made forces interact within a complex ecosystem is to collect the data over time and look for patterns.

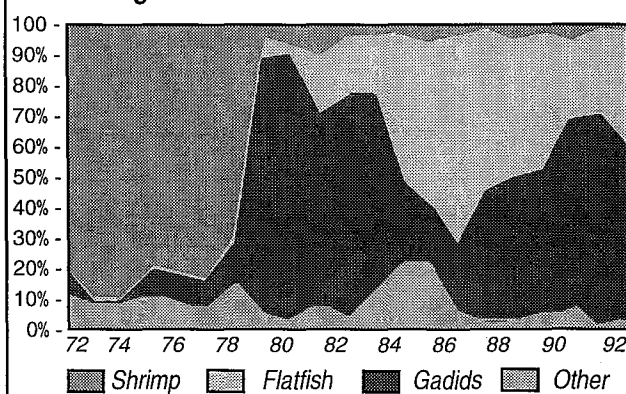
The Gulf Ecosystem Monitoring (GEM) program is being designed to do exactly that. Its mission is to foster a healthy, biologically diverse marine ecosystem in the northern Gulf of Alaska through greater understanding of how productivity is influenced by human activities and natural changes.

## Patterns tell the story

Data sets that extend decades are rare, yet scientists consider them extremely valuable when it comes to deciphering nature's cycles. Routine monitoring of Gulf of Alaska fisheries over the last 40 years, for example, has resulted in a dependable data set from shrimp-trawl surveys. In the 1980s, when shrimp and some small species of fish almost disappeared from the north gulf, researchers studied the trawl surveys for clues (Figure 1). They saw that water temperatures had risen slightly and that pollock and bottom fish began to dominate the ecosystem. Marine mammals and seabirds that depend on shrimp and small forage fish, such as harbor seals and cormorants, began to decline.

Corresponding data showed that the re-

**The Regime Shift in the Northern Gulf of Alaska**



Data of: Anderson and Piatt, 1997

**Figure 1.** Data from trawl surveys illustrates a sharp change in species composition from 1978-80. Shrimp nearly disappears as flatfish (such as flounder and halibut) and gadids (such as pollock and cod) began dominating the north Gulf of Alaska.

An ecosystem is not more complicated than we think, it is more complicated than we can think.

Jack Ward Thomas

”

verse was taking place in the Atlantic Ocean off the east coast. Cooling waters there were accompanied by the cod fishery bottoming out and a boom in shrimp.

By studying the long-term data, scientists have come to believe that weather, rather than human activity, is the primary cause of change in the ecosystem. Yet, 40 years worth of data is not enough. It does not show if the pollock dominance, now two decades old, will end in the coming years and whether shrimp will return to the north gulf.

The lack of good data leaves many salmon fishermen wondering about their futures. Some fisheries researchers have noted that the spectacular returns of salmon over the last 20 years correlate closely with weather patterns that include warming waters. Does this mean a cooling trend will cause salmon returns to drop back to their historic averages, about half of what has been seen in recent years?

## What is a model?

A model is a concept of how things work. Some models can be turned into a computer-aided tool that attempts to predict the forces of nature, based on millions or billions of pieces of data collected over time.

Computer-based modeling has become the standard on which long-term weather forecasting is based. Forecasting the weather has long been known as the art of predicting the unpredictable. After decades of collecting detailed information on the ground, in the oceans, and in the atmosphere, computer models were developed that considerably increased the accuracy level of weather forecasting.

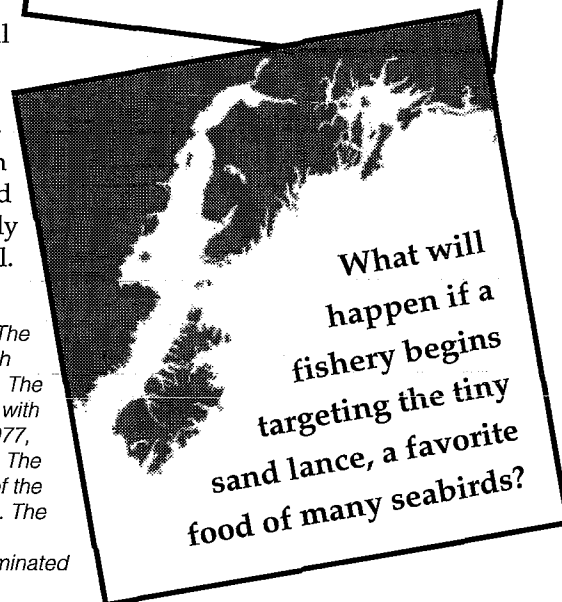
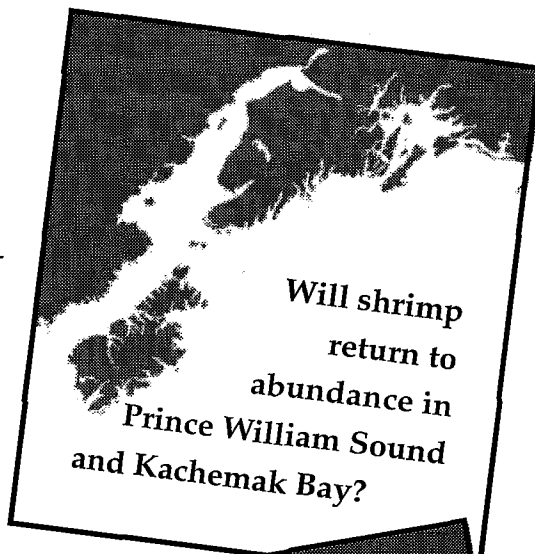
A predictive model is only as good as the data it is based on. The better the data collection, the more likely a computer model will provide some insights into the behavior of a natural system.

Modeling the complexities of the sea is an imprecise science. Yet, it is the best means we

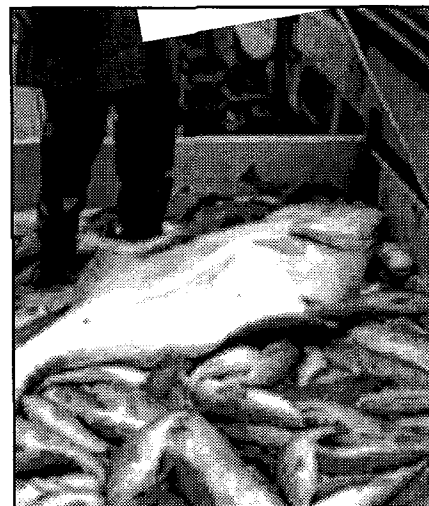
have of predicting how an ecosystem as vast as the north Gulf of Alaska will react over time to both human activity and the ever-changing forces of nature.

The Trustee Council is currently funding development of a conceptual model of processes controlling salmon, seabird and marine mammal populations. Monitoring under GEM will test that model, which has been greatly influenced by current thinking on long-term climate change and by ecosystem studies previously funded by the Trustee Council.

*The change in species composition during the late 1970s was dramatic. The photo below left shows a typical catch during trawl surveys from 1977-1980. The catch was dominated by shrimp, but with some forage fish and cod. Before 1977, the catch was almost entirely shrimp. The photo below right shows the results of the same survey conducted in the 1980s. The transition from a shrimp-dominated ecosystem to a pollock- and cod-dominated ecosystem took only a few years, as illustrated by Figure 1.*



Small-mesh trawl survey harvest - 1977-1980



Small-mesh trawl survey harvest - 1981-99

Photos courtesy National Marine Fisheries Service - Kodiak Laboratory

# The role of climate change and long-term weather patterns in the gulf

Just as ocean waves come in patterns with varying sizes of and intervals between crests, so does climate. Worldwide monitoring of weather has illuminated three distinct patterns in the climate of the North Pacific.

El Niños (ENSO) are well known, repeating sometimes dramatic warm and cold periods every three to seven years. Pacific Inter-Decadal Oscillation (PDO) is longer term and more profound, with 20 or more years of warming followed by 20 years of cooling. The largest crest among the climatic waves is Global Warming, a trend underway now for more than 40 years. Global Warming has an unknown duration (Figure 6).

Understanding the impact of weather patterns on the northern gulf is the foundation of long-term monitoring efforts. It's theorized that natural fluctuations in species mirror long-term weather patterns.

Scientists are beginning to note that dynamic shifts in climate occur at the same time as equally dramatic changes in sea life. A comparison of pink salmon harvests over the last 80 years, for example, shows fluctuations on a scale similar to the climatic shifts of decadal (PDO) warming and cooling (Figure 2). A study of groundfish showed that recruitment into that population usually rises and falls with each El Niño event (Figure 3). A recent study of red king crab in Alaska waters, from Cook Inlet to the Aleutians, shows the collapse of those populations correlates with an intensification of the Aleutian low pressure weather system (Figure 4).

Scientists are increasingly coming to believe that dramatic changes in the northern

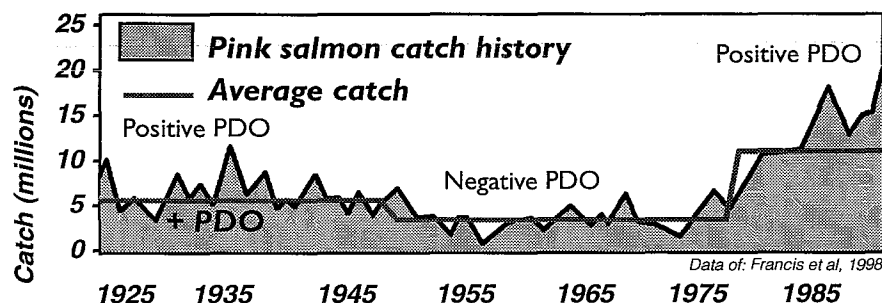


Figure 2. Salmon harvests since 1925 show three distinct periods in which harvests went up and down, possibly influenced by Pacific Decadal Oscillations (PDOs).

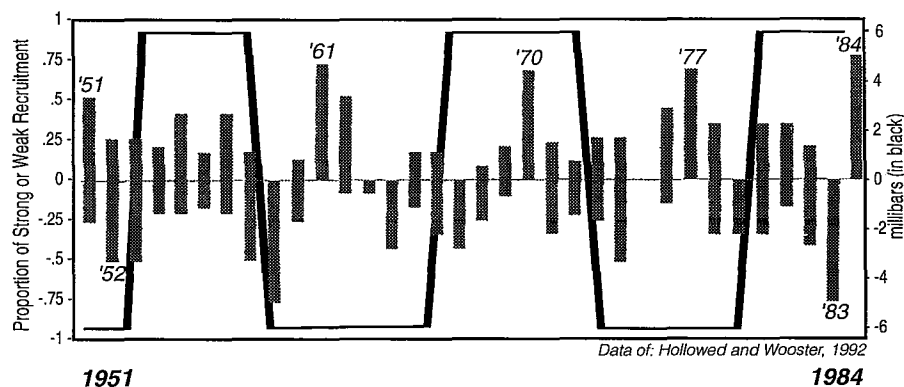


Figure 3. The survival of juvenile groundfish appears to be influenced by the short term warming of El Niños. This illustration shows that successful recruitment of groundfish in the North Pacific tends to be during periods of lower than normal atmospheric pressure.

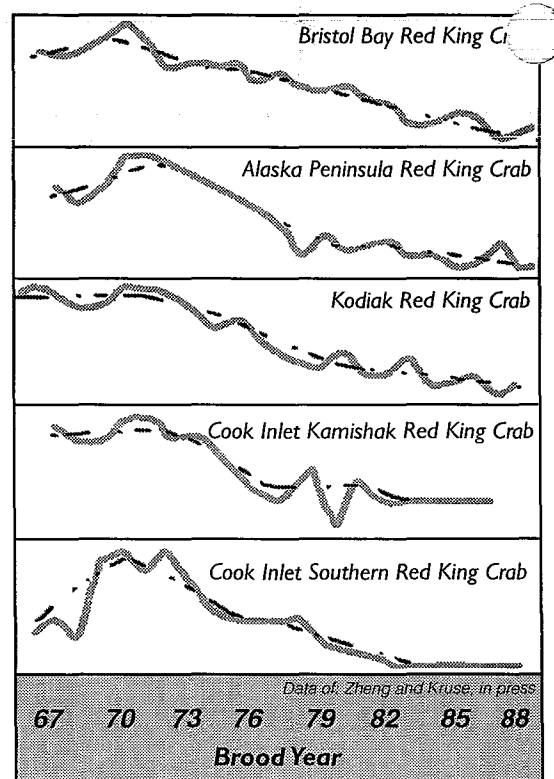


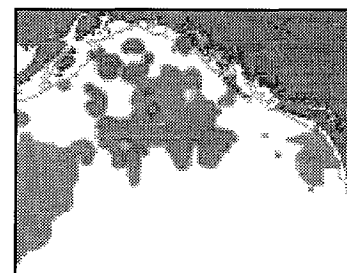
Figure 4. The decline in king crab recruitments throughout a large portion of Alaska waters indicate weather-induced event. This graph shows that a decline in king crab occurred during a strengthening in the Aleutian low pressure system 1976-1988.

cific over the last 20 years are due to a decadal pattern in the climate, the PDO. Since the late 1970s, several fish, bird, and mammal species have declined while other species flourished. Crab, shrimp, some seabirds, harbor seals, and sea lions have all seen dramatic drops in population (Figures 1, 4, and 7). At the same time, salmon, pollock, cod, and halibut have been on the increase (Figures 1 and 2). Researchers are also finding more evidence that the strong salmon returns recorded since 1978 may be directly related to the warming effects of the current PDO.

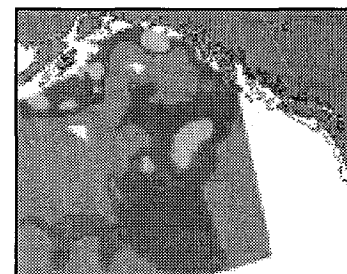
It appears that the northern Gulf of Alaska is beginning to transition to a cooler climate. The impact this will have on salmon production in Alaska is a question researchers, fisheries managers and commercial fishermen are all concerned about. Will harvest levels return to those common in the 1950s and 1960s?

The change in climate begins impacting species at the very base of the food chain. A warming or "positive" PDO inhibits the plankton bloom nearshore while improving plankton abundance offshore, where salmon spend most of their lives. Animals living nearshore, such as seabirds and harbor seals, decline during the warming PDO. A cooling or "negative" PDO promotes plankton production nearshore, and not offshore.

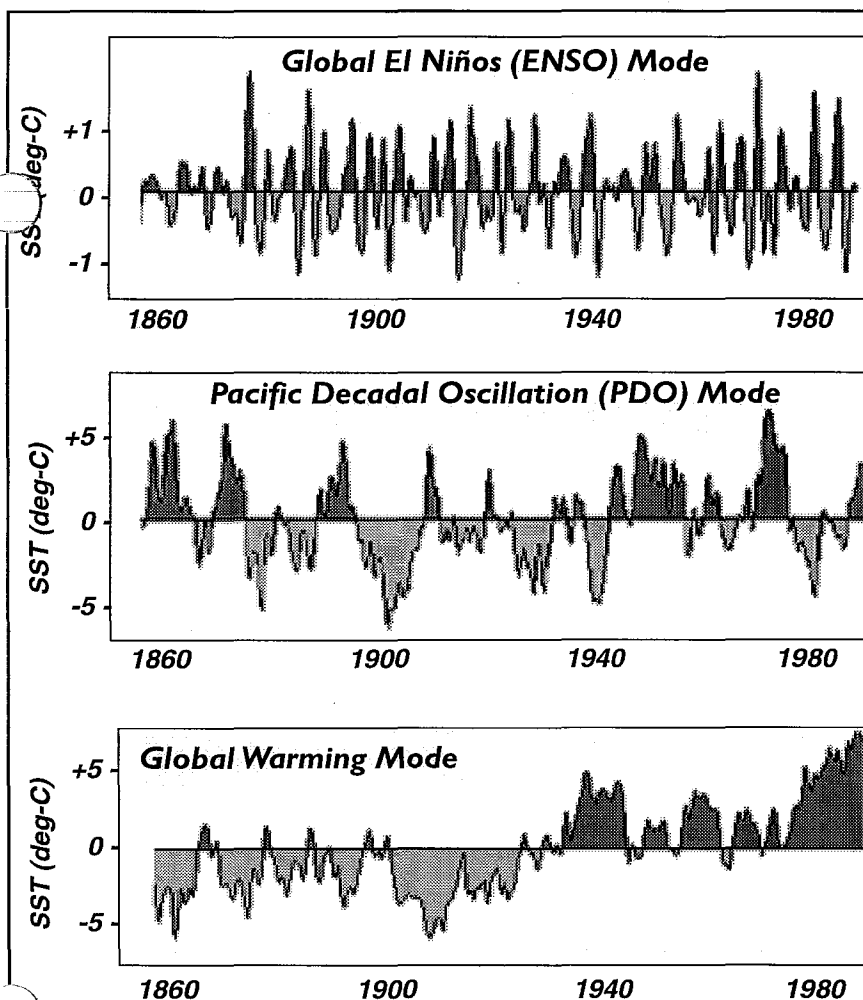
Figure 5 maps the plankton bloom in the northern Pacific during the 1950s, a period with a Negative PDO and contrasts the results with a similar study in the 1980s during a Positive PDO. The offshore production during the 1980s is far greater than the offshore production in the 1950s and '60s. The salmon harvests in Alaska compare favorably to the offshore production of plankton. (Figure 2).



1950s


Data of: Brodeur et al, 1996  
1980s

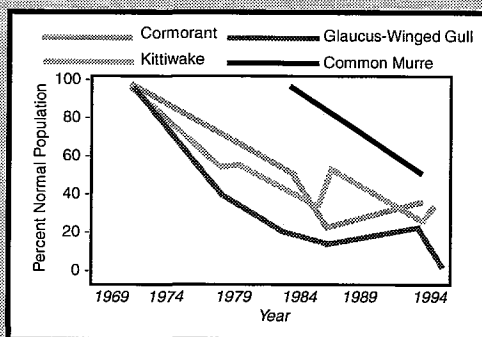
**Figure 5.** Measurements of plankton during the 1950s illustrates how a decadal cooling period or Negative PDO impacts the base of the food chain. A decadal warming period or Positive PDO in the 1980s resulted in strong plankton blooms offshore. Offshore feeders, such as salmon, do well during a Positive PDO.



Data of: Enfield, 1998

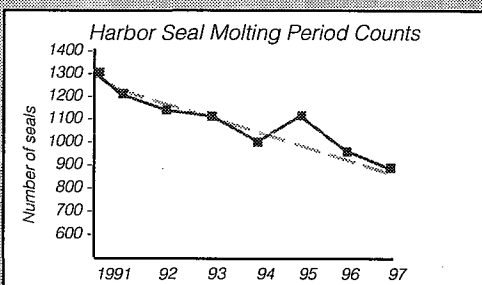
**Figure 6.** Warming and cooling trends in the North Pacific follow three distinct patterns: short term El Niño (ENSO), longer term Pacific Decadal Oscillation (PDO), and the unknown duration of Global Warming. Each of these weather patterns impacts marine life.

## Population declines over the last 20 years



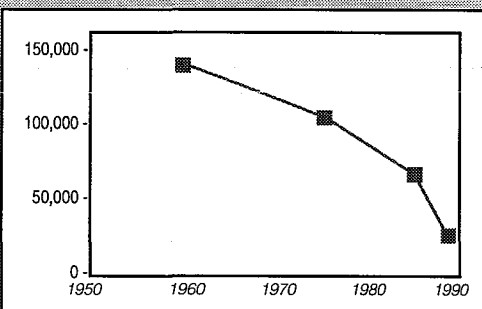
Data of: Platt and Anderson, 1996

### Seabirds at Chisik Island



Data of: Frost, 1996

### Harbor Seals in Prince William Sound



Data of: Springer, 1992

### Sea Lions in Western Alaska

(Kiska I. to Kodiak I.)

**Figure 7.** Several fish, bird, and mammal species are in decline in the north gulf region. Seabird colonies in Cook Inlet and Prince William Sound are in decline at some locations, even as other colonies in the area are doing well.

The harbor seal population in Prince William Sound dropped by 80 percent over the last 20 years and has declined at a rate of 6 percent per year in the 1990s. Sea Lions in western Alaskan waters have been listed as threatened after their numbers plummeted. Weather patterns may help explain some declines and may help point to human causes for the declines when natural, weather-related changes can be ruled out.

## Modeling the ecosystem impacts of decadal climate change in the gulf

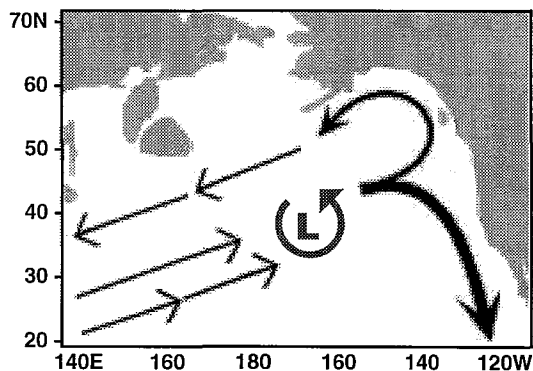
Theories explaining how the decadal climate changes (PDOs) affect the north Gulf of Alaska are beginning to emerge. Figures 9-12 on the opposite page provide a possible explanation as to why PDOs are having dramatic impacts on several species. One role of GEM would be to create models to validate or improve these theories.

One prominent emerging theory is that in some decades the Gulf of Alaska is warm and windy with lots of precipitation (Figures 9 and 10). Under those conditions, offshore grazers, such as salmon, do well, but nearshore grazers, such as seabirds and seals, do not thrive. In other decades, the gulf is cooler and less windy with less precipitation (Figures 11 and 12). Under those conditions, salmon poorly, but inshore seabirds and seals do well.

Offshore planktonic production during these warm and cool periods is illustrated by the maps in Figure 5.

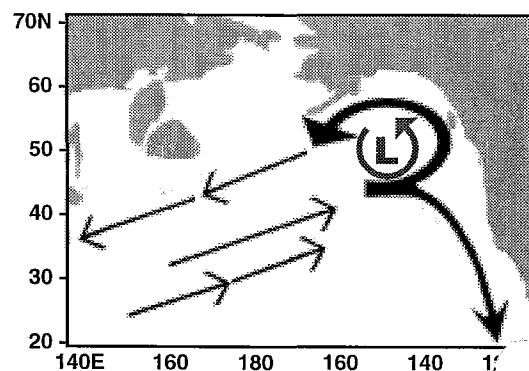
The changes in ocean structure in response to climate alters the supply of nutrients and food production, as well as currents and wind-driven movement of the water. Nearshore feeders do well when there is greater imported and local production. Offshore feeders do well when offshore production is good, and it does not get pushed toward shore by wind and currents.

**Figure 8.** When the Aleutian low pressure system, which dominates the weather pattern in the gulf region, is in a southerly position, a Negative PDO results. The North Pacific Current splits with the primary portion moving south as the California Current and secondary portion moving north as the Alaska Current. During 1977, the low pressure system moved northward and the Alaska Current became the primary arm of the North Pacific Current.

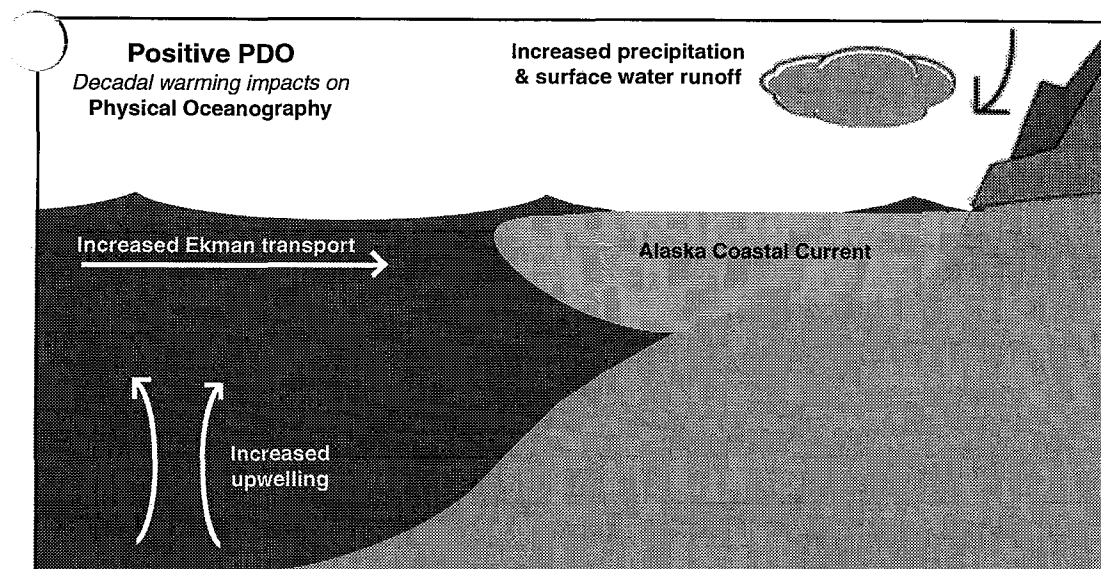


### Winter 1972 - Negative PDO

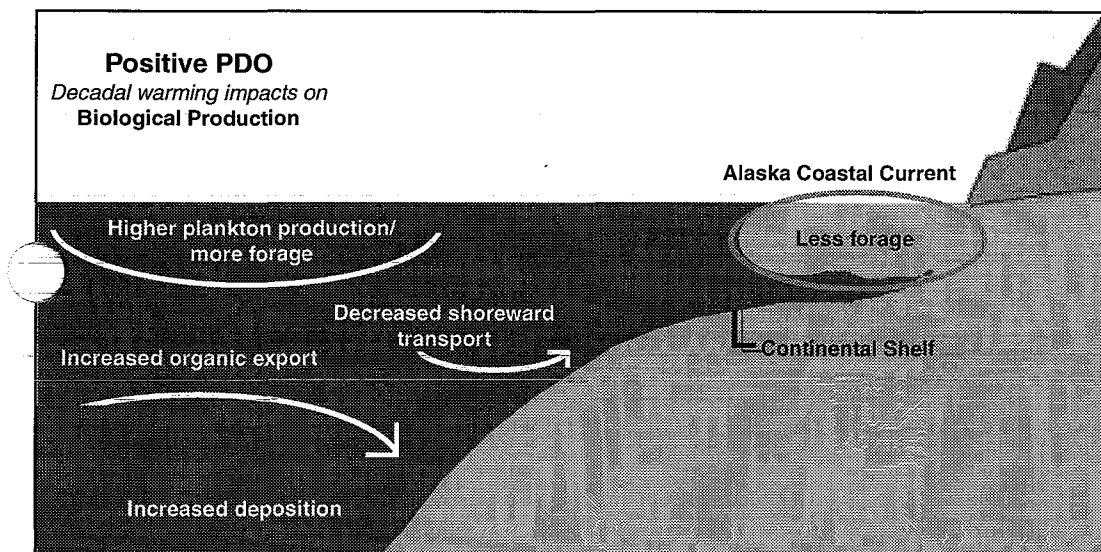
Data of: Hollowed and Wooster, 1992



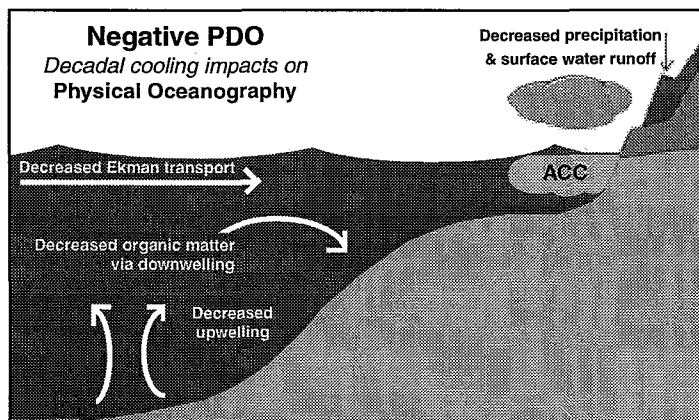
### Winter 1977 - Positive PDO



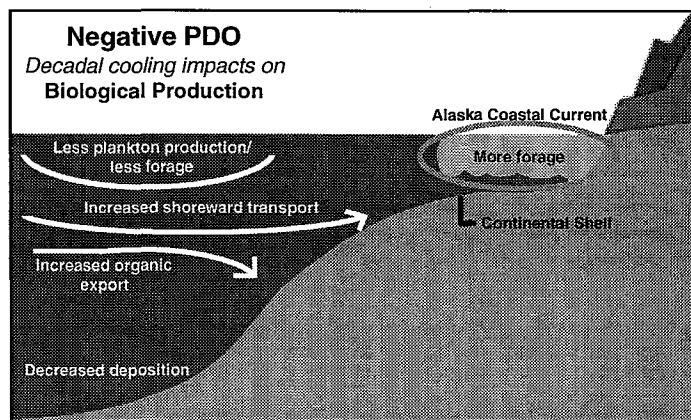
**Figure 9.** The Gulf of Alaska is warm, windy and has lots of precipitation with increased runoff. The Alaska Coastal Current is larger, bringing more fresh water along the shores. The more dense saltwater, pushed by high winds toward shore, does not mix with the low-saline coastal current. The saltwater is forced down and circulates back to the surface offshore.



**Figure 10.** Warming waters offshore are good for planktonic production. But plankton are not carried to the nearshore areas because mixing does not occur with the Alaska Coastal Current. The bloom remains out at sea and planktonic production nearshore is poor. Those species that forage offshore do well. Species that forage nearshore do poorly.



**Figure 11.** Atmospheric pressure increases during the winter and the Gulf of Alaska cools, with less precipitation and less wind. The Alaska Coastal Current is smaller and the nearshore water is more saline. This slows mixing to occur as the dense offshore water is pushed by winds toward shore. Upwelling occurs in a shoreward direction, bringing nutrients with it.



**Figure 12.** Cool waters offshore decrease planktonic production. Plankton production nearshore increases as saline offshore currents mix with the Alaska Coastal Current. Those species that forage offshore have poorer survival rates. Species that forage nearshore do well.



## Scientists are widening their fields of vision

By Phil Mundy  
Science Coordinator

When I was a graduate student in the 1970s, I studied nothing but fish. As an ichthyologist and fisheries manager in Alaska during the '80s, the focus was on the biology and the life cycles of salmon, but oceanography was becoming increasingly important. Even so, an international conference on fisheries might be attended by hundreds of scientists, every one of them a fish expert.

Prior to the mid-'80s, no matter what the scientific discipline, the experts rarely ventured out of their fields of expertise. Fisheries managers, oceanographers, climatologists, ornithologists, and marine mammalogists stayed in their corners, only vaguely aware of what breakthroughs were made in other fields.

Thankfully, that narrow approach is going away. As we enter into the 21<sup>st</sup> century, it has become clearly necessary for experts to expand their horizons to include the entire ecosystem in their field of vision. It is not now unusual for a conference on Pacific herring, for example, to be well attended by experts

on climate, currents, plankton, seabirds, harbor seals, and other disciplines that contribute to our knowledge of herring's role in the ecosystem. Commercial fishermen and Alaska Natives might also attend, contributing practical insights into the biology and trends of herring.

GEM is the logical extension of this emerging ecosystem approach to science. Hundreds of programs and projects have been identified, conducted by dozens of federal and state agencies, universities and private institutions, which can shed some light on the ecosystem of the northern Gulf of Alaska. Bringing these groups together and, more importantly, bringing their accumulated data together, is one of the vital roles GEM will play over the next century.

The discussion on these pages about the various long-term weather patterns and how they impact the movements and biology of the sea is a primary example of how numerous disciplines come together to answer our primary question: *How can we sustain the richness of the northern gulf and at the same time maintain our Alaskan way of life, which is defined by using those resources?*

If GEM can play a role in answering that question, even as human pressures on the northern gulf increase, then the century-long investment will be well worth the effort.

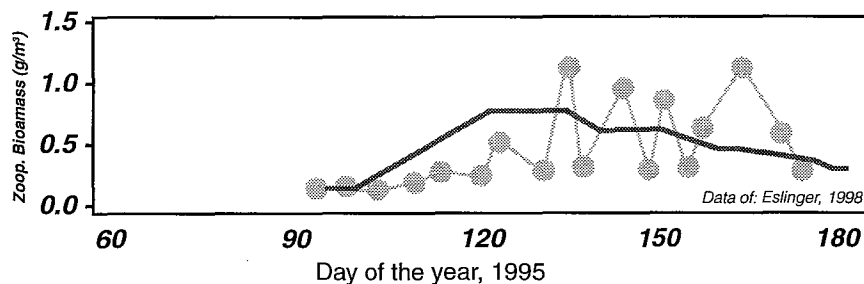
It's important, however, that GEM not become solely an academic pursuit or data manager. GEM researchers must always be looking for the practical results in the data, providing affordable tools for fish and wildlife managers.

Creating computer models from the data is one way to translate knowledge into tools. The Sound Ecosystem Assessment (SEA) program, for example, has provided new insights into the ecosystem needs of pink salmon and Pacific herring. One small facet of that program resulted in a model that predicts the timing of the plankton bloom in Prince William Sound. This type of model could become an inexpensive way to estimate the survival rate of salmon fry and better predict the rate of return as adults. (Figure 13)

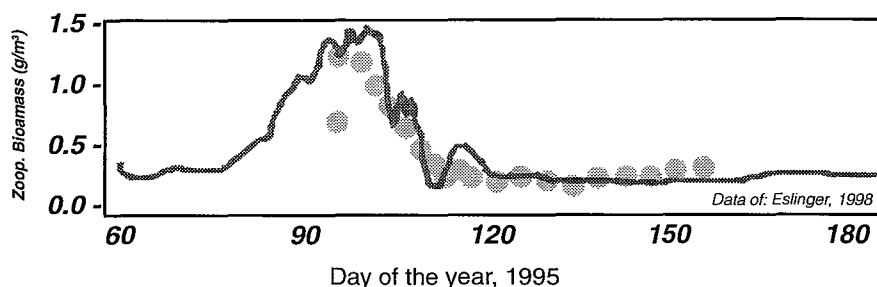
**Figure 13.** Models generated through the Sound Ecosystem Assessment (SEA) project estimated the timing and size of the animal and plant plankton blooms. The RED lines show the models' predictions compared to the actual measurements, represented by yellow dots.

“How can we sustain the richness of the northern gulf and at the same time maintain our Alaskan way of life, which is defined by using those resources?”

**Predicting Zooplankton Blooms in Prince William Sound**



**Predicting Phytoplankton Blooms in Prince William Sound**



## GEM at a glance . . .

### **The Problem**

Although decades of salmon and herring harvest data are available, other significant ecosystem information is lacking. Much of the life cycle of salmon and herring remains a mystery and little is known about many species in the gulf. Solid data on the physical condition of the sea (temperature, salinity, current, etc.) and how this impacts species from plankton to sea lions is not available. Therefore, the historical context necessary to understand why harvests fluctuate greatly or why several fish, birds, and mammals are in decline is lacking.

### **The Solution**

Collect data over time that will fill in the gaps and identify the physical and biological changes to the north Gulf of Alaska ecosystem. Distinguish between natural trends and human caused changes in the environment. Use the information to model potential future changes. Conduct research to better understand species (as needed) and develop practical tools for managers of fish, wildlife, and land.

### **What is GEM?**

The Gulf Ecosystem Monitoring (GEM) program is a conceptual plan for a long-term monitoring and research program in the northern Gulf of Alaska.

### **The Mission**

The mission of GEM is to foster a healthy, biologically diverse marine ecosystem in the northern Gulf of Alaska through greater understanding of how productivity is influenced by human activity and natural changes. Data gathered over time will allow researchers to better understand how one change in the ecosystem impacts another and lead to improved management of the resources.

### **Who is involved with GEM?**

The Trustee Council will fund the program, but in order to be successful, GEM must be coordinated with existing efforts and funds should be leveraged for the most economically efficient collection of data. Research and monitoring projects would be funded on a competitive basis, subject to merit-based review and compatibility with program goals. More than 200 projects by government, university and private research groups are expected to make some contribution of data to GEM.

### **When would GEM begin?**

GEM would begin financing research and monitoring efforts in October of 2002, when the current restoration program ends. The GEM program would run on a cycle similar to the restoration program, with an annual invitation for proposals issued in February, proposals due in April, a draft work plan issued in June, and final work plan in place by October.

### **Where will GEM be carried out?**

The primary focus of the GEM program is within the oil-spill area, including Prince William Sound, Cook Inlet, Kodiak Island, and the Alaska Peninsula. The northern Gulf of Alaska marine ecosystem does not have a discrete boundary, however, and some monitoring and research activities will necessarily extend into adjacent areas.

### **Funding**

The Trustee Council in March earmarked at least \$115 million as seed money to fund a long-term research and monitoring program. It is envisioned that this funding will provide about \$5-6 million of interest income to be expended annually. About half of that amount would be used for long-term monitoring and the remainder used to fund shorter-term, focused research. Both components would include elements of local stewardship, science management, synthesis, and public information.

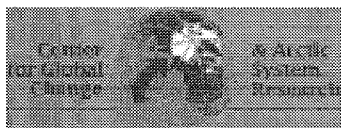
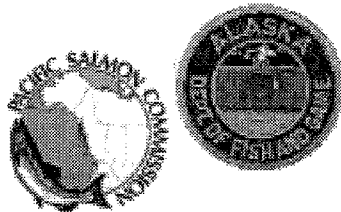
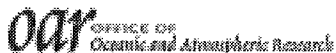
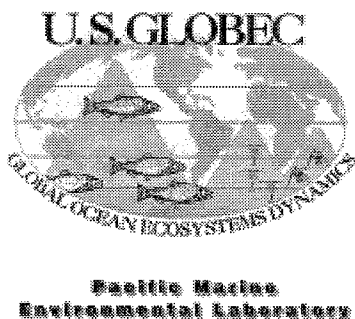
### **The Objectives**

GEM will have six specific goals:

1. Track lingering effects from the 1989 oil spill.
2. Detect long-term changes in the marine ecosystem.
3. Improve fish and wildlife management through development of new information and technologies.
4. Integrate and synthesize information on the status, trends and health of fisheries, sea birds, marine mammals and other marine populations over the long-term.
5. Provide continuing information on the fate and effects of contaminants on marine animals and human consumers.
6. Help identify important marine habitats, basic life history and habitat requirements of marine animals.

As the program matures, studies of spill impacts should decrease and those of natural and human-caused changes should grow.

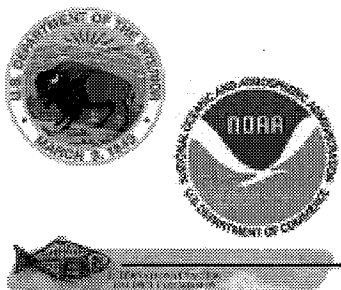




**National Climatic Data Center**



**The U.S. Department of the Interior**

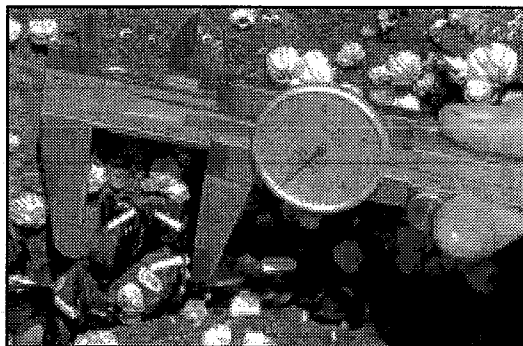


## Elements of GEM

GEM will have three main components:

- long-term ecosystem monitoring (decades in duration);
- short-term focused research (one to several years in length); and
- ongoing community involvement, including traditional knowledge and local stewardship.

In addition, GEM will require a strong science management effort and a concerted public information and data management program.

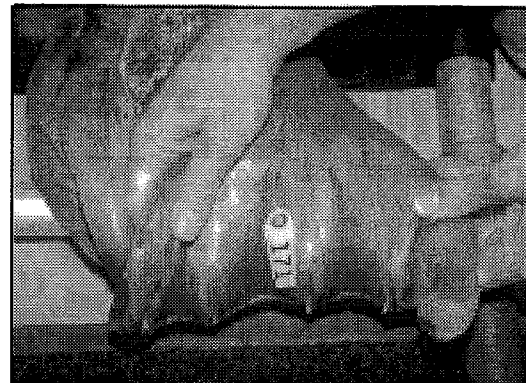


*Monitoring of flora, fauna, and oceanographic conditions will be the primary force behind GEM.*

### Long-term ecosystem monitoring

GEM will contribute to a core of strategic measurements taken over decades by many agencies in order to track changes in the outer shelf and coastal regions of the northern Gulf of Alaska. Monitoring goals are to understand the factors involved in productivity of fish, birds, and marine life, improve our ability to distinguish between natural and human-caused changes, and accurately model and predict ecological change. This information will be available to organizations, agencies, universities, and individual stakeholders for the use, management, and conservation of marine resources.

GEM will take advantage of existing projects being carried out by agencies and other institutions. Funds will be used to obtain measurements that are essential to taking the pulse of the Gulf of Alaska and that are not being obtained reliably through other programs.



*Research will provide information and tools to aid managers of fish, wildlife, and land.*

### Short-term research

Strategically chosen research projects with relatively short-term goals will be funded as needed. Research will:

- Follow-up on issues related to any lingering effects of the *Exxon Valdez* oil spill. This research is expected to diminish over time as impacts from the spill become more and more difficult to distinguish.

- Explore questions or concerns that arise out of the monitoring data. Research would focus more on individual species to understand how they are being impacted by changes in the ecosystem. A sudden rise or decline in a species population is one way to trigger such research.

- Provide key information and tools for management and conservation purposes. This would include, for example, improved scientific techniques and better technologies for stock assessments of fisheries. Research can also identify sensitive habitats in the marine environment so that this information can be considered in management strategies.

### Traditional knowledge, community involvement, and local stewardship

The last 10 years of oil spill research has proven that community involvement and local knowledge can provide important observations and insights about changes in the status and health of marine resources. Encouraging local awareness and participation in research and monitoring enhances long-term stewardship of living marine resources.

Local monitoring, documentation, and



Youth Area Watch is one approach to involving and educating young people about ecosystem monitoring.

stewardship projects must be linked under GEM wherever possible with other monitoring, research, and conservation projects to promote sharing of information and ideas. Scientific steering committees, composed of academic, agency and local representatives, can identify and oversee opportunities for productive collaboration.

The actual mechanisms for achieving this goal are not fully developed. Several approaches have been tried in the current restoration program and elsewhere in Alaska, and GEM will draw on these experiences to design processes for involving communities and their expertise. One approach, the Youth Area Watch, has proven to be an effective and popular means of involving and educating young people and their home communities about oil spill research. Similar projects may be developed as part of GEM in coastal communities throughout the oil-spill area.

## Science Management

It's expected that GEM will be governed by the Trustee Council until impacts from the oil spill are no longer discernable. It would be administered by the current Restoration Office, made considerably smaller to reflect the scope of the program.



Coordinating with researchers and agencies will require a strong science management effort.

A senior staff scientist will work with the executive director, Trustee Council, scientific community, resource managers, and stakeholders to implement and evaluate GEM. The program will be administered consistent with the Restoration Plan, adopted by the Trustee Council in 1994.

Public participation and independent peer review will be an essential part of the process. An independent panel of scientists will fine tune the GEM program every five years.

## Public information, data management, and integration of results

Gathering data is one thing. Managing and maintaining that data in a consistent form that can be utilized easily by researchers is another. It is essential that a strong data management strategy be in place before long-term monitoring projects are initiated.

The data will be analyzed and integrated into predictive ecosystem models. Results will be available to the public through periodic "State of the Gulf" workshops and reports and this will be made accessible on the internet. Workshops and other forums will bring together a variety of participants in the various aspects of GEM to stimulate discussions and spark new ideas.

The Trustee Council is committed to public input and public outreach as vital components of the long-term GEM program. Public meetings, newsletters, annual reports, informational web sites, and the 17-member Public Advisory Group are some of the ways the public is currently informed about restoration activities.

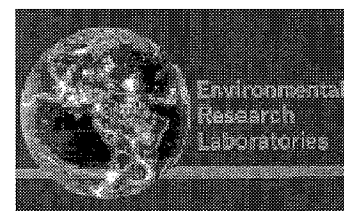
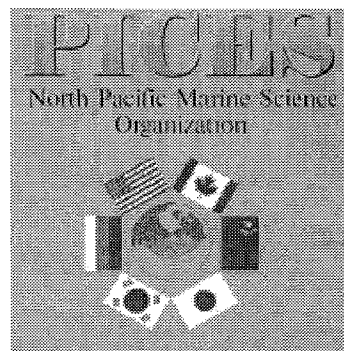
It's envisioned that this effort would continue, but to a lesser degree to reflect the smaller GEM program. The Trustee Council will likely develop a series of alternatives on continuing public advice in the next two years and then go out for public comment before taking any final action.

Coordination and cooperation between groups gathering oceanographic and biological data in the northern Gulf of Alaska are essential. In June 1999, the Restoration Office began to develop a database of ongoing projects in the northern gulf. As of October, 240 projects were identified that might be able to contribute to the goals of GEM. This includes everything from weather data to ocean currents to population and harvest levels. GEM's monitoring component would seek to consolidate data, fill in the gaps, and interpret the information through the production of computer models.

## Alaska Bay Laboratory



## Alaska Fisheries Science Center



## Implementing GEM: On the road to 2002

The Draft GEM Program will undergo a thorough review and likely revisions before it is ultimately implemented beginning October 1, 2002. The public, fish and wildlife managers, researchers, and stakeholder groups will all be asked to review and comment on the Draft Plan before a fi-

nal plan is adopted by the Trustee Council. In addition, the Draft GEM Program will be submitted to the National Research Council for a full review. The NRC is expected to conduct its review for a year before providing formal comments and recommendations to the Trustee Council.

### October 22, 1999

- Trustee Council received briefing on GEM Draft
- Draft Plan released to the public

### October 26, 1999

- Public Advisory Group received GEM briefing

### November 1999 - January 2000

- Briefings to be held throughout the spill region for the public, fish and wildlife managers, and stakeholder groups

### February 2000

- Public hearing in Anchorage
- Revise Draft based on public and agency input
- Submit Draft to the National Research Council for review
- FY 2001 Invitation to seek transition proposals

### October 2000

- Initiate FY 2001 transition projects

### January 2001

- Receive preliminary NRC feedback
- Begin revisions to GEM plan to address NRC recommendations and use results from transition projects

### February 2001

- Invite additional transition projects for FY 2002

### October 2001

- Begin FY 2002 transition projects

### January 2002

- Trustee Council finalizes GEM Program

### February 2002

- Issue GEM invitation for proposals (FY 2003)

### October 2002

- Begin GEM monitoring and research program



## Exxon Valdez Oil Spill Trustee Council



**Bruce Botelho**  
Attorney General  
State of Alaska

**Michele Brown**  
Commissioner  
Alaska Dept. of  
Environmental Conservation

**Marilyn Heiman**  
Special Assistant to the Secretary  
U.S. Dept. of the Interior

**Dave Gibbons**  
U.S. Forest Service Representative  
Alaska Region  
U.S. Dept. of Agriculture

**Steve Pennoyer**  
Director, Alaska Region  
National Marine  
Fisheries Service

**Frank Rue**  
Commissioner  
Alaska Dept. of Fish & Game

## How to participate . . .

### Attend GEM briefings

Watch for notices about  
public meetings in your community.

### Review the Draft GEM Program

On the web: [www.oilspill.state.ak.us](http://www.oilspill.state.ak.us)

### Comment

e-mail: [gem@oilspill.state.ak.us](mailto:gem@oilspill.state.ak.us)

phone: 907-278-8012

800-478-7745 (within Alaska)

800-283-7745 (outside Alaska)

write: Restoration Office

645 G Street, #401

Anchorage, AK 99501

### Restoration Office

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

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# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 10, 1999

Patty Brown-Schwalenberg  
Executive Director  
Chugach Regional Resource Commission  
4201 Tudor Centre Drive #300  
Anchorage, Alaska 99508

Dear Patty:

Thank you for your November 1, 1999 letter regarding the Trustee Council's resolution concerning tribal involvement in the GEM program. I apologize that with both of us on travel status following the meeting, we didn't have an earlier opportunity to discuss the Council's final action.

As you noted, the final "resolved" in the draft you and I had been working on was deleted in the final version. The Trustees received advice from several of the federal attorneys that the language might be misinterpreted and a commitment to involve the villages in the actual decision-making (i.e., voting) could be inferred. In looking at the language, it appeared that the intent of the final "resolved" was actually incorporated in the second to the last "resolved." The Trustees had hoped to work with you on the final language, but you were already en route back to Anchorage. Rather than delaying a vote on the resolution, the Council went ahead with the amended version.

With your help there may have been a better way of writing the last "resolved." However, I think it's important to focus on the intent of the Council - and that is, their commitment to fully involve the Alaska Native villages in the spill area in the development of a long-term marine research and monitoring program for the spill area. That commitment was solidly expressed. We have the next three years to accomplish this, and look forward to working together to do so. Please convey this to your board members.

Sincerely,

A handwritten signature in cursive script, reading "Molly McCammon". The signature is fluid and elegant, with a long, sweeping underline.

Molly McCammon  
Executive Director

cc: Trustee Council Members

mm/raw



# Chugach Regional Resources Commission

November 1, 1999

Chenega Bay

Eyak

Nanwalek

Port Graham

Qutekcah  
Native Tribe

Tatitlek

Valdez Native  
Tribe

Molly McCammon, Executive Director  
Exxon Valdez Oil Spill Trustee Council  
645 G Street, Suite 401  
Anchorage, Alaska 99501

RECEIVED

NOV 04 1999

EXXON VALDEZ OIL SPILL  
TRUSTEE COUNCIL

Dear Molly,

I received a copy of the resolution that was passed by the Trustee Council regarding the \$20 Million Tribal Community Fund and Tribal involvement in the GEM Project, and would like some information on the discussions surrounding the amendments made to the original draft.

In reviewing this copy, I noticed that the final "resolved" was deleted from the resolution and would like to know the justification for that change. I felt that, working together, we came up with a fair resolution that addressed both the philosophy of the Trustee Council as well as the needs of the Native communities. The final "resolved" was an integral part of the resolution in that it reiterates the Trustee Council's commitment to involve the communities in their decision-making process. The message this sends to the communities is not very optimistic, so I would like to get this clarified as soon as possible. I think it would be in the best interest of all parties to alleviate any misperceptions on the part of the Native communities by immediately addressing the amendments to the resolution.

Thanks for your support and assistance thus far. I look forward to hearing from you soon.

Sincerely,

Patty Brown-Schwalenberg  
Executive Director

cc: CRRC Board of Directors  
EVOS Board of Trustees


# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax: 907/276-7178



## MEMORANDUM

**TO:** The File

**FROM:**   
Traci Cramer  
Administrative Officer

**DATE:** November 5, 1999

**RE:** Quarterly Report for the Period Ending June 30, 1999

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The Quarterly Report for the period ending June 30, 1999 was not distributed. The financial information has been captured on the September 30, 1999 report.

cc: Molly McCammon

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



## MEMORANDUM

TO: Commissioner Frank Rue  
Alaska Department of Fish and Game

FROM: Molly McGammon  
Executive Director

RE: EVOS Project Reports

DATE: November 4, 1999

The most recent Quarterly Project Status Report, for the quarter ending September 30, 1999, is attached. The purpose of this memo is to update you on the status of the seven reports for which you, back in August of 1997, worked to develop a plan for completion. I am once again asking for your assistance in seeing that these reports are completed.

### Of the 7 reports:

- 1 has been completed and is available to the public at ARLIS  
-FS1           Bue
- 3 were submitted for peer review as promised; however the peer reviewers requested revisions and revised drafts have not been submitted
  - B11           Rothe           Revised draft was due 2/28/99
  - FS13       Baker           Revised draft was due 5/31/99
  - 95086C    Highsmith    Revised draft is due 3/30/00
- 3 have still not been submitted
  - 93033-1    Rothe           Was due 7/1/98
  - 93033-2    Rothe           Was due 7/1/98
  - 96258A-2   Swanton        Was due 10/31/97

Three additional reports are now also very late. Any assistance you can provide in seeing that these reports are completed would be appreciated.

- 96258A-1   Tarbox           Was due 1/1/98; never submitted
- 97254       Edmundson   Revised draft was due 5/1/99
- 98196       Habicht        Was due 4/15/99; never submitted

cc: Claudia Slater, ADFG EVOS Liaison

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# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



## MEMORANDUM

TO: Restoration Work Force

FROM: Molly McCammon  
Executive Director

RE: Manuscript Preparation: FY 00 Work Plan

DATE: November 4, 1999

As you know, at the direction of the Trustee Council, we closely track the completion of annual and final project reports. Pls are held accountable and future funding is withheld until prior year reporting requirements are met. With many projects now entering their close-out phase, we are at a stage in the Restoration Program where the amount of effort and resources going into manuscript preparation is much greater than it has been in the past. I therefore believe it is appropriate to institute a similar accountability mechanism in regard to manuscripts, particularly for those projects for which (a) the manuscript is the only project deliverable or (b) a substantial amount of funding has been provided for manuscript preparation.

My recommendations to the Council on FY 01 projects would reflect, probably through the use of "fund contingent" language, whether promised manuscripts have been submitted. Of course, as we do for reports, we would make case-by-case exceptions to this policy if there is good cause. I am aware, for example, that as final data analysis progresses and results become known, the particular manuscripts proposed in a DPD may no longer be possible or pertinent.

If you have any comments or feedback regarding this, I would appreciate hearing from you. For your information, a list of FY 00 projects that include funds for manuscript preparation is attached.

Thanks.

---

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## PROJECTS THAT INCLUDE MANUSCRIPT PREPARATION FY 00 WORK PLAN

For FY 00, the Council funded nine projects for which the manuscript is the only project deliverable. (One additional manuscript-only project is deferred -- 00339/Human Use Model.)

00025 / NVP	10 ms. for feature article plus 13 additional ms.
00048 / sockeye	2 ms.
00320 / SEA	<i>Fisheries Oceanography</i> package
00330 / ECOPATH	2 ms.
00348 / river otter	3 ms.
00510 / intertidal monitoring	2 ms.
00516 / murrelets	1 ms.
00541 / isotopes	1 ms.
00598 / background hydrocarbons	1 ms.

One project received a substantial amount of funding for manuscript preparation.

00163 / APEX	51 ms.
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Several other projects received modest amounts of funding for manuscript preparation.

00012 / killer whale	2 ms.
00064 / harbor seal	4 ms.
00090 / mussel beds	2 ms.
00139 / Port Dick	1 ms.
00144A / common murre	1 ms.
00169 / seabird genetics	4 ms.
00306 / sand lance	4 ms.
00347 / fatty acids	3 ms.
00459 / residual oiling	1 ms.

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



## FAX MEMORANDUM

TO: Restoration Work Force

FROM: Molly McCommon  
Executive Director

RE: Restoration Work Force Meeting: December 9, 1999

DATE: November 4, 1999

The next meeting of the Restoration Work Force will be **Thursday, December 9 at 9:00 a.m.** The meeting will be held in the 4th floor conference room of the Restoration Office. We will discuss my draft recommendations on deferred projects and any other items that might be on the agenda for the Trustee Council's December 16 meeting. Please let me know if you would like to add any items to the agenda.

---

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[ 17] 2713992

[ 18] 2672464

[ 20] 7863350

[ 21] 2572517

[ 22] 7863636

[ 26] 2697508

[ 35] 19253737834

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B. RICE

D. BOHN

MARIANNE SEE

B. SPIES

ERROR

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Cecilia Preziose  
4858 Canterbury Way  
Anchorage, AK 99503

Dear Ms. Preziose:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

Molly McCammon  
Executive Director

mm/raw

---

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# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Terri Lynn Bramlett-Harper  
8111 Clear Haven Circle  
Anchorage, AK 99507

Dear Ms. Bramlett-Harper:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

Molly McCammon  
Executive Director

mm/raw

---

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# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Juranda Madson  
POB 232774  
Anchorage, AK 99523

Dear Ms. Madson:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

Molly McCammon  
Executive Director

mm/raw

---

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# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Helen Soergel Nelson  
10744 Old Eagle River Road  
Eagle River, AK 99577

Dear Ms. Soergel Nelson:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

A handwritten signature in cursive script, reading "Molly McCammon". The signature is fluid and elegant, with a long, sweeping underline.

Molly McCammon  
Executive Director

mm/raw

---

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# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

John Baker  
520 St. Lazaria Circle  
Anchorage, AK 99508-2534

Dear Mr. Baker:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

A handwritten signature in cursive script that reads "Molly McCammon".

Molly McCammon  
Executive Director

mm/raw

---

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# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

James McAfee  
5700 Lake Otis Parkway, #39  
Anchorage, AK 99507

Dear Mr. McAfee:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

Molly McCammon  
Executive Director

mm/raw

---

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# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Avon Lynch  
1417B 26Th Avenue  
Fairbanks, AK 99701

Dear Ms. Lynch:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

Molly McCammon  
Executive Director

mm/raw

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#### Federal Trustees

U.S. Department of the Interior  
U.S. Department of Agriculture  
National Oceanic and Atmospheric Administration

#### State Trustees

Alaska Department of Fish and Game  
Alaska Department of Environmental Conservation  
Alaska Department of Law

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

MaryAnn Ammi  
POB 141856  
Anchorage, AK 99508

Dear Ms. Ammi:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

A handwritten signature in cursive script that reads "Molly McCammon". The signature is fluid and extends to the right.

Molly McCammon  
Executive Director

mm/raw

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#### Federal Trustees

U.S. Department of the Interior  
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National Oceanic and Atmospheric Administration

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Alaska Department of Environmental Conservation  
Alaska Department of Law

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Linda Ferrell  
3437 E. 67Th Ave  
Anchorage, AK 99507-2333

Dear Ms. Ferrell:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

Molly McCammon  
Executive Director

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#### Federal Trustees

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U.S. Department of Agriculture  
National Oceanic and Atmospheric Administration

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Alaska Department of Environmental Conservation  
Alaska Department of Law

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Sherri Conway  
4168 Hampton Dr.  
Anchorage, AK 99504

Dear Ms. Conway:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

Molly McCammon  
Executive Director

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---

#### Federal Trustees

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U.S. Department of Agriculture  
National Oceanic and Atmospheric Administration

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Alaska Department of Environmental Conservation  
Alaska Department of Law

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Jennifer Johnson  
6441 Coach Circle  
Anchorage, AK 99507

Dear Ms. Johnson:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

Molly McCammon  
Executive Director

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---

#### Federal Trustees

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National Oceanic and Atmospheric Administration

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Alaska Department of Environmental Conservation  
Alaska Department of Law

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Lisa Larmi  
21332 Oberg Road, #2  
Chugiak, AK 99567

Dear Ms. Larmi:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

Molly McCammon  
Executive Director

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#### Federal Trustees

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Alaska Department of Environmental Conservation  
Alaska Department of Law

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Sarah Stevens  
POB 220974  
Anchorage, AK 99522-0974

Dear Ms. Stevens:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

Molly McCammon  
Executive Director

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#### Federal Trustees

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Alaska Department of Law



# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Paul Barrett  
6320 E. 35Th Avenue  
Anchorage, AK 99504

Dear Mr. Barrett:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

A handwritten signature in cursive script that reads "Molly McCammon". The signature is fluid and extends to the right.

Molly McCammon  
Executive Director

mm/raw

---

#### Federal Trustees

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Alaska Department of Environmental Conservation  
Alaska Department of Law

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Jamie Elizabeth Lang  
3220 Shamrock Street  
Anchorage, AK 99504-4241

Dear Ms. Lang:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

Molly McCammon  
Executive Director

mm/raw

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

John Wright  
1100 Debussy Ct.  
Virginia Beach, VA 23454

Dear Mr. Wright:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

Molly McCammon  
Executive Director

mm/raw

---

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Alaska Department of Law

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Esther Lieb  
801 Airport Heights, #378  
Anchorage, AK 99508

Dear Ms. Lieb:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

A handwritten signature in cursive script that reads "Molly McCammon". The signature is fluid and elegant, with the first letters of the first and last names being capitalized and prominent.

Molly McCammon  
Executive Director

mm/raw

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#### Federal Trustees

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Alaska Department of Environmental Conservation  
Alaska Department of Law

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Andree McLeod  
3721 Young Street  
Anchorage, AK 99508

Dear Ms. McLeod:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

A handwritten signature in cursive script that reads "Molly McCammon".

Molly McCammon  
Executive Director

mm/raw

---

#### Federal Trustees

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National Oceanic and Atmospheric Administration

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Alaska Department of Environmental Conservation  
Alaska Department of Law

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Kathleen O'Leary  
POB 113022  
Anchorage, AK 99511-3022

Dear Ms. O'Leary:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

A handwritten signature in cursive script that reads "Molly McCammon".

Molly McCammon  
Executive Director

mm/raw

---

#### Federal Trustees

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Alaska Department of Environmental Conservation  
Alaska Department of Law

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Glenda Ogborn  
3640 West 40Th Avenue #B  
Anchorage, AK 99517-2701

Dear Ms. Ogborn:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

Molly McCammon  
Executive Director

mm/raw

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Richard Winter  
3801 Amber Bay Loop  
Anchorage, AK 99515

Dear Mr. Winter:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

A handwritten signature in cursive script that reads "Molly McCammon".

Molly McCammon  
Executive Director

mm/raw

---

#### Federal Trustees

U.S. Department of the Interior  
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Alaska Department of Environmental Conservation  
Alaska Department of Law



# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Karen Davidson  
POB 513  
Palmer, AK 99645

Dear Ms. Davidson:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

Molly McCammon  
Executive Director

mm/raw

---

#### Federal Trustees

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National Oceanic and Atmospheric Administration

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Alaska Department of Environmental Conservation  
Alaska Department of Law

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Robert Smith  
4501 Reka Drive Apt #3  
Anchorage, AK 99508

Dear Mr. Smith:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

Molly McCammon  
Executive Director

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---

#### Federal Trustees

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National Oceanic and Atmospheric Administration

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Alaska Department of Environmental Conservation  
Alaska Department of Law

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Melissa Beck  
POB 211252  
Anchorage, AK 99521

Dear Ms. Beck:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

A handwritten signature in cursive script that reads "Molly McCammon". The signature is fluid and elegant, with the first letters of the first and last names being capitalized and prominent.

Molly McCammon  
Executive Director

mm/raw

---

#### Federal Trustees

U.S. Department of the Interior  
U.S. Department of Agriculture  
National Oceanic and Atmospheric Administration

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Alaska Department of Environmental Conservation  
Alaska Department of Law

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Gary Hagen  
POB 1795  
Palmer, AK 99645

Dear Mr. Hagen:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

Molly McCammon  
Executive Director

mm/raw

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#### Federal Trustees

U.S. Department of the Interior  
U.S. Department of Agriculture  
National Oceanic and Atmospheric Administration

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Alaska Department of Environmental Conservation  
Alaska Department of Law

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Melissa Ann Allex  
POB 770553  
Eagle River, AK 99577

Dear Ms. Allex:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

A handwritten signature in cursive script that reads "Molly McCammon". The signature is fluid and extends to the right.

Molly McCammon  
Executive Director

mm/raw

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#### Federal Trustees

U.S. Department of the Interior  
U.S. Department of Agriculture  
National Oceanic and Atmospheric Administration

#### State Trustees

Alaska Department of Fish and Game  
Alaska Department of Environmental Conservation  
Alaska Department of Law

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Gracietha Cilot  
7612 Cherrywood Circle  
Anchorage, AK 99507

Dear Ms. Cilot:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

Molly McCammon  
Executive Director

mm/raw

---

#### Federal Trustees

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Alaska Department of Environmental Conservation  
Alaska Department of Law

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Jacqueline LeDoux  
POB 190494  
Anchorage, AK 99519-0494

Dear Ms. LeDoux:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

A handwritten signature in cursive script that reads "Molly McCammon".

Molly McCammon  
Executive Director

mm/raw

---

#### Federal Trustees

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Alaska Department of Environmental Conservation  
Alaska Department of Law

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

O'Tammany Waterman  
24331 Hearthstone Drive  
Chugiak, AK 99567

Dear Ms. Waterman:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

Molly McCammon  
Executive Director

mm/raw

---

#### Federal Trustees

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Alaska Department of Environmental Conservation  
Alaska Department of Law



# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Kathleen Munk  
9425 Canton Loop  
Anchorage, AK 99515

Dear Ms. Munk:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

A handwritten signature in black ink, reading "Molly McCammon". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Molly McCammon  
Executive Director

mm/raw

---

#### Federal Trustees

U.S. Department of the Interior  
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National Oceanic and Atmospheric Administration

#### State Trustees

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Alaska Department of Environmental Conservation  
Alaska Department of Law

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Debbie Bates  
19006 Klondike Street  
Chugiak, AK 99567

Dear Ms. Bates:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

Molly McCammon  
Executive Director

mm/raw

---

#### Federal Trustees

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Alaska Department of Environmental Conservation  
Alaska Department of Law

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Ana Lewis  
5915 Prosperity Drive  
Anchorage, AK 99504

Dear Ms. Lewis:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

A handwritten signature in cursive script that reads "Molly McCammon". The signature is fluid and elegant, with a long horizontal stroke at the end.

Molly McCammon  
Executive Director

mm/raw

---

#### Federal Trustees

U.S. Department of the Interior  
U.S. Department of Agriculture  
National Oceanic and Atmospheric Administration

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Alaska Department of Environmental Conservation  
Alaska Department of Law

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Karen Leis  
1510 M Street  
Anchorage, AK 99501

Dear Ms. Leis:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

A handwritten signature in black ink, reading "Molly McCammon". The signature is fluid and cursive, with the first name "Molly" and last name "McCammon" clearly distinguishable.

Molly McCammon  
Executive Director

mm/raw

---

#### Federal Trustees

U.S. Department of the Interior  
U.S. Department of Agriculture  
National Oceanic and Atmospheric Administration

#### State Trustees

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Alaska Department of Environmental Conservation  
Alaska Department of Law

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Kari Corbin  
HC31 Box 5223I  
Wasilla, AK 99654

Dear Ms. Corbin:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

Molly McCammon  
Executive Director

mm/raw

---

#### Federal Trustees

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Alaska Department of Law

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Mari Kae Huckabay  
367 West Arlington  
Soldotna, AK 99669-7319

Dear Ms. Huckabay:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

Molly McCammon  
Executive Director

mm/raw

---

#### Federal Trustees

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# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Sonia Haller  
10400 Finley Circle  
Anchorage, AK 99516

Dear Ms. Haller:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

A handwritten signature in black ink that reads "Molly McCammon". The signature is written in a cursive, flowing style.

Molly McCammon  
Executive Director

mm/raw

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Stephane Aarseth  
5944 Doncaster Drive  
Anchorage, AK 99504

Dear Ms. Aarseth:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

Molly McCammon  
Executive Director

mm/raw

---

#### Federal Trustees

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Alaska Department of Law



# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Tinishia Killpatrick  
3816 Indiana Drive  
Anchorage, AK 99503

Dear Ms. Killpatrick:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

A handwritten signature in cursive script that reads "Molly McCammon". The signature is fluid and elegant, with a long, sweeping underline that extends to the right.

Molly McCammon  
Executive Director

mm/raw

---

#### Federal Trustees

U.S. Department of the Interior  
U.S. Department of Agriculture  
National Oceanic and Atmospheric Administration

#### State Trustees

Alaska Department of Fish and Game  
Alaska Department of Environmental Conservation  
Alaska Department of Law

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Femmia Bryan  
19737 Citation Rd.  
Eagle River, AK 99577

Dear Ms. Bryan:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

A handwritten signature in cursive script that reads "Molly McCammon". The signature is fluid and elegant, with the first letters of the first and last names being capitalized and prominent.

Molly McCammon  
Executive Director

mm/raw

---

#### Federal Trustees

U.S. Department of the Interior  
U.S. Department of Agriculture  
National Oceanic and Atmospheric Administration

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Alaska Department of Law

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Robin Pierce  
POB 220870  
Anchorage, AK 99522-0870

Dear Ms. Pierce:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

Molly McCammon  
Executive Director

mm/raw

---

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National Oceanic and Atmospheric Administration

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# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Jadine Melville  
5017 E. 25Th  
Anchorage, AK 99508

Dear Ms. Melville:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

Molly McCammon  
Executive Director

mm/raw

---

#### Federal Trustees

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National Oceanic and Atmospheric Administration

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# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Roger Sanders  
POB 233242  
Anchorage, AK 99523

Dear Mr. Sanders:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

Molly McCammon  
Executive Director

mm/raw

---

#### Federal Trustees

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National Oceanic and Atmospheric Administration

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Alaska Department of Law

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Lupe Wright  
9625 Independence Dr. #201  
Anchorage, AK 99507

Dear Ms. Wright:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

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Molly McCammon  
Executive Director

mm/raw

---

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# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Debra Schiefer  
12032 Buttermilk Way  
Eagle River, AK 99577

Dear Ms. Schiefer:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

Molly McCammon  
Executive Director

mm/raw

---

#### Federal Trustees

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Alaska Department of Law

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Beverly Drury  
6900 Viburnum  
Anchorage, AK

Dear Ms. Drury:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

A handwritten signature in cursive script that reads "Molly McCammon". The signature is written in black ink and is positioned above the printed name.

Molly McCammon  
Executive Director

mm/raw

---

#### Federal Trustees

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National Oceanic and Atmospheric Administration

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Alaska Department of Law



# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Sandra Skaggs  
3240 West 79Th Avenue  
Anchorage, AK 99502

Dear Ms. Skaggs:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

Molly McCammon  
Executive Director

mm/raw

---

#### Federal Trustees

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Alaska Department of Law

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Michael Dupes  
810 S. Pine  
Anchorage, AK 99508

Dear Mr. Dupes:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

Molly McCammon  
Executive Director

mm/raw

---

#### Federal Trustees

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National Oceanic and Atmospheric Administration

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Alaska Department of Environmental Conservation  
Alaska Department of Law

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Linda Troutman  
5801 Bristol Drive  
Anchorage, AK 99516

Dear Ms. Troutman:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,



Molly McCammon  
Executive Director

mm/raw

---

#### Federal Trustees

U.S. Department of the Interior  
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National Oceanic and Atmospheric Administration

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Alaska Department of Environmental Conservation  
Alaska Department of Law

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Deventia Townsend  
6020 Longoria Circle  
Anchorage, AK 99504

Dear Ms. Townsend:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

Molly McCammon  
Executive Director

mm/raw

---

#### Federal Trustees

U.S. Department of the Interior  
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National Oceanic and Atmospheric Administration

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Alaska Department of Environmental Conservation  
Alaska Department of Law

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Roberta Fuller  
POB 874600  
Wasilla, AK 99687

Dear Ms. Fuller:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

A handwritten signature in cursive script, reading "Molly McCammon". The signature is fluid and extends to the right.

Molly McCammon  
Executive Director

mm/raw

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Chastala Smith  
5311 Mockingbird Dr Apt #25  
Anchorage, AK 99507

Dear Ms. Smith:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

Molly McCammon  
Executive Director

mm/raw

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Patricia Lucero  
POB 770217  
Eagle River, AK 99577

Dear Ms. Lucero:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

A handwritten signature in cursive script, reading "Molly McCammon". The signature is written in dark ink and is positioned above the printed name.

Molly McCammon  
Executive Director

mm/raw

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Myrtle Lewis  
POB 92265  
Anchorage, AK 99509-2265

Dear Ms. Lewis:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

A handwritten signature in cursive script that reads "Molly McCammon".

Molly McCammon  
Executive Director

mm/raw

---

#### Federal Trustees

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Alaska Department of Law



# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Jamie Horton  
POB 95  
Nome, AK 99762

Dear Ms. Horton:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

A handwritten signature in cursive script that reads "Molly McCammon". The signature is fluid and extends to the right.

Molly McCammon  
Executive Director

mm/raw

---

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Alaska Department of Environmental Conservation  
Alaska Department of Law

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Cas Gadomski  
POB 878431  
Wasilla, AK 99687

Dear Ms. Gadomski:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

Molly McCammon  
Executive Director

mm/raw

---

#### Federal Trustees

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National Oceanic and Atmospheric Administration

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Alaska Department of Environmental Conservation  
Alaska Department of Law

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Wilhelmina Burnett  
8831 Cordell Circle #4  
Anchorage, AK 99502

Dear Ms. Burnett :

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

A handwritten signature in cursive script that reads "Molly McCammon". The signature is written in black ink and is positioned above the printed name and title.

Molly McCammon  
Executive Director

mm/raw

---

#### Federal Trustees

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U.S. Department of Agriculture  
National Oceanic and Atmospheric Administration

#### State Trustees

Alaska Department of Fish and Game  
Alaska Department of Environmental Conservation  
Alaska Department of Law

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Norma Sue Layton  
5600 Lake Otis Parkway, #130  
Anchorage, AK 99507

Dear Ms. Layton:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

A handwritten signature in cursive script that reads "Molly McCammon". The signature is written in black ink and is positioned above the printed name.

Molly McCammon  
Executive Director

mm/raw

---

#### Federal Trustees

U.S. Department of the Interior  
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Alaska Department of Environmental Conservation  
Alaska Department of Law

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Tyronne Woody  
POB 100044  
Anchorage, AK 99510-0044

Dear Mr. Woody :

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

Molly McCammon  
Executive Director

mm/raw

---

#### Federal Trustees

U.S. Department of the Interior  
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National Oceanic and Atmospheric Administration

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Alaska Department of Environmental Conservation  
Alaska Department of Law

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Norma Sizemore  
308 Deerfield Drive  
Anchorage, AK 99515

Dear Ms. Sizemore:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

Molly McCammon  
Executive Director

mm/raw

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Kathi Adkins  
7337 E. 6Th Ave., Unit #B  
Anchorage, AK 99504

Dear Ms. Adkins:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

Molly McCammon  
Executive Director

mm/raw

---

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Alaska Department of Law

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Susan Liggett  
529 Dunbar Ave.  
Fairbanks, AK 99701

Dear Ms. Liggett:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

A handwritten signature in cursive script that reads "Molly McCammon".

Molly McCammon  
Executive Director

mm/raw

---

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Alaska Department of Law



# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Pamela Gallivo  
POB 91956  
Anchorage, AK 99509

Dear Ms. Gallivo:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

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Molly McCammon  
Executive Director

mm/raw

---

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Alaska Department of Law

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Kenneth Russell  
5436 Wandering Drive, #2  
Anchorage, AK 99502

Dear Mr. Russell:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

Molly McCammon  
Executive Director

mm/raw

---

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Alaska Department of Law

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Christopher Cromer  
POB 112283  
Anchorage, AK 99511

Dear Mr. Cromer:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

A handwritten signature in cursive script that reads "Molly McCammon". The signature is written in black ink and is positioned above the printed name and title.

Molly McCammon  
Executive Director

mm/raw

---

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# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Dorothy Diamond  
POB 242703  
Anchorage, AK 99524

Dear Ms. Diamond:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

A handwritten signature in black ink, reading "Molly McCammon". The signature is fluid and cursive, with the first name "Molly" and last name "McCammon" clearly visible.

Molly McCammon  
Executive Director

mm/raw

---

#### Federal Trustees

U.S. Department of the Interior  
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National Oceanic and Atmospheric Administration

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# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



November 4, 1999

Corinne Kenney  
POB 113032  
Anchorage, AK 99511-3032

Dear Ms. Kenney:

Thank you for responding to the recruitment bulletin associated with the *Exxon Valdez* Oil Spill Trustee Councils' Administrative Assistant position. While you possess skills that would have been an asset to our organization, I wanted to let you know that I have selected another applicant to fill the position.

Good luck with your job search.

Sincerely,

Molly McCammon  
Executive Director

mm/raw

---

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National Oceanic and Atmospheric Administration

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Alaska Department of Environmental Conservation  
Alaska Department of Law

West Coast NURA

UAF(AK)-00-02

A proposal by Linc Freese: Identification of habitat areas of particular concern in the Gulf of Alaska with a research submersible

Reviewer: Phil Mundy

November 3, 1999

I rated the proposal as "excellent" in a number of important aspects, however I rated it "very good +" overall due to a number of outstanding questions regarding technical feasibility.

1. Operating the proposed underwater platform in currents of 3-4 knots that are characteristic of optimum red tree coral habitat appears to exceed the environmental conditions guideline maximum of 1.5 knot (3.6, Table 1, page 7, 2000 Program Description).
2. There is some evident confusion in the proposal regarding the dive sites' characteristics. On page 4 of the proposal under "Dive Sites" there is a reference to currents of 2-3 knots being expected at red tree coral sites, however on page 5 of the proposal (Alternate Approach) currents in areas of highest density of red tree coral are characterized as 3-4 knots. Is this an error, or have the dive sites been chosen in a manner that avoids areas of highest density of red tree coral in order to accommodate the limitations of the underwater platforms? If the latter, the study will not provide an unbiased inventory of species required for assessment of Habitat Areas of Particular Concern (HAPC).
3. The high-intensity external lighting system specified in the Description of Facilities, Systems, and Equipment (page 6) may bias the findings for mobile species associated with the habitat being surveyed, and the lighting system may make some species more vulnerable to predation for some time following the survey. The degree to which these two concerns are relevant to the proposed study areas is unknown to this reviewer, however these two concerns should have been addressed in the proposal.

The proposal is highly responsive to NURA programmatic themes 1.0 Fisheries Research and 2.0 Shelf and Slope Ecology ( 2000 Program Description).

Technical questions notwithstanding, this is a very timely and badly needed survey of some areas that should contain critically important and highly vulnerable habitats. It would be reasonable and prudent to allow the proposers to address the concerns prior to taking final action on this proposal.

**PLEASE RETURN TO:**

WEST COAST & POLAR REGIONS UNDERSEA RESEARCH CENTER

213 O'Neill Bldg.

PO Box 757220

Fairbanks, Alaska 99775-7220

(907) 474-5870 Phone

(907) 474-5804 Fax

westnurc@ims.uaf.edu

This form may be downloaded from [www.wcnurc.uaf.edu:8000/guidelines.html](http://www.wcnurc.uaf.edu:8000/guidelines.html).

**NATIONAL UNDERSEA RESEARCH PROGRAM**

**MAIL REVIEW FORM**

<b>PROPOSAL #</b> UAF(AK)-00-02	<b>INSTITUTION</b> Auke Bay Lab	<b>PLEASE RETURN BY</b> October 22, 1999
------------------------------------	------------------------------------	---

**PRINCIPAL INVESTIGATORS:** Linc Freese

**COMMENTS (CONTINUE ON ADDITIONAL SHEET(S) AS NECESSARY:**

*Please see attached*

**RATING:**

☐

EXCELLENT

☒

VERY GOOD

☐

GOOD

☐

FAIR

☐

POOR

Verbatim but anonymous copies of reviews, ratings, and associated correspondence will be sent only to the principal investigator or project director on request. Subject to this policy and applicable laws including the Freedom of Information Act, 5 USC 552 reviewers' comments will be given maximum protection from disclosure.

**REVIEWER'S SIGNATURE**

**OTHER SUGGESTED REVIEWERS (OPTIONAL)**

**REVIEWER'S NAME**

Phillip Mundy

Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



Total Pages: 3 with cover.

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# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



## FAX MEMORANDUM

TO: Restoration Work Force

FROM: Molly McCann  
Executive Director

RE: Draft Agenda for Annual Restoration Workshop  
Comments Due by **Friday, November 5**

DATE: November 3, 1999

The theme of the 2000 Restoration Workshop will be Applying Science to Human Needs: Starting the Transition to the Gulf Ecosystem Monitoring (GEM) Program. A draft agenda for the workshop is attached. We are planning to invite several outside speakers. In addition, several EVOS PIs will be asked to present their work. As in past years, those PIs who will not be giving oral presentations will be encouraged to present posters. All PIs will be required to submit project abstracts. A memo regarding abstracts and posters was mailed to all PIs and all Restoration Work Force members yesterday.

Please e-mail any comments or suggestions you have on the draft agenda to me by close of business **Friday, November 5**. Thank you.

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2000 Restoration Workshop  
January 18-19, 2000

*Applying Science to Human Needs: Starting the Transition  
to the Gulf Ecosystem Monitoring (GEM) Program*

**Day 1 - Tuesday, January 18**

- 8:00 am      Registration
- 8:30          Introduction and Annual Report on EVOS Program  
*Molly McCammon, Executive Director*
- 8:45          Presentation of Draft Gulf Ecosystem Monitoring (GEM) Program  
*Bob Spies, Trustee Council Chief Scientist*  
*Phil Mundy, Trustee Council Science Coordinator*
- 9:15          **Session I: Learning from Examples -- Other Organizations in the  
North Pacific**  
NOTE: This session would include multiple speakers from the following possible  
organizations. Speakers would be asked to discuss their work as it relates to GEM. (20  
min. per speaker)  
*US GLOBEC, Hal Batchelder ? Fogarty?*  
*Canadian GLOBEC, David Welch?*
- 10:00        Break
- 10:30        Continue Session I  
(20 min. per speaker)  
*North Pacific Research Board, ?*  
*Pacific International Halibut Commission, Steve Hare?*  
*National Center for Atmospheric Research, ?*  
*Joint Institute for Study of the Atmosphere and Oceans, Nathan Mantua?*  
*Arctic Monitoring and Assessment Program, Ross Norstrom?*  
*Northwest Indian Fish Commission, Billy Frank?*  
*Global Ocean Observing System (GOOS), Robert Forsch?*  
*Pacific Seabird Group, Harrison?*  
*Fisheries Oceanography Coordinated Investigation (FOCI), Allan Macklin  
or Art Kendall?*  
*North Pacific Anadromous Fish Commission, Jack Helle?*  
*Others?*
- 12:15        Lunch (provided)  
*Possible remarks (30 min.) by Lieutenant Governor Fran Ulmer, Chair of  
North Pacific Anadromous Fish Commission, on role of GEM in marine  
resource use and oceans policy in Alaska*
- 1:30 pm      **Session II: Legacy of Restoration Program to Date**  
NOTE: Speakers in this session would be asked to address (1) what we know now in

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terms of the bigger picture that we didn't know before, (2) how what we've learned informs what should be done in the future (i.e., under GEM), and (3) what tools have been developed that will be useful in the future.

**Ila. Overview (15 min.)**

*Bob Spies, Trustee Council Chief Scientist*

**Ilb. Ecological Knowledge**

(20 min. per speaker)

*SEA, Ted Cooney*

*APEX, Dave Duffy or other PI*

*NVP, Leslie Holland-Bartels or other PI*

2:45 Break

3:15 **Ilc. Community & Single Species Work**

(20 min. per speaker)

*Seabirds, John Piatt?*

*Salmon, Mark Willette?*

*Herring, Brenda Norcross?*

*Intertidal Communities, Pete Peterson?*

*Harbor Seals, Kathy Frost?*

5:00 Adjourn for day

5:30 - 7:30 Poster session and reception

**Day 2 - Wednesday, January 19**

8:00 am **Ild. Management and Monitoring Techniques**

(15 min. per speaker)

*Pristane, Jeff Short* 99195

*Fisheries management using remote video, Ted Otis?* 99366

*Seabird monitoring with remote video, ?* 99434

*Pigeon guillemots at ASLC, Dan Roby?* 99327

*Seabird genetics, Vicki Friesen?* 99169

9:15 **Ile. Working with Communities**

(15 min. per speaker)

*Kametolook River restoration, L. Scarbrough?* 99247

*Kenai River restoration, ADNR & ADFG rep* 99180

*TEK, Henry Huntington? Gary Kompkoff?* 99052

10:00 Break

10:30 Continue Session Ile

(15 min. per speaker)

*Human Use Model, Murphy & Suring?* 99339

*Youth Area Watch, student participants* 99210

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*Cook Inlet Info. Mgt. & Monitoring System, K. Zeiner? 99391*  
*Port Graham stream enhancement, W. Meganack? 99225*

11:30

**Session III: Lingerin Questions About EVOS Oil and Damage**

NOTE: This session would focus on what role oil plays in the inability of some populations to recover from the effects of the spill. (15 min. per speaker)

*Salmon, Jeep Rice? 99329*

*Herring, Mark Carls? 99328*

*Nearshore resources, NVP rep? 99025*

*Residual oil in mussel beds, Harris & Brodersen? 99090*

12:15 pm

Lunch (provided)

Keynote address (30 min.)

*Possibly Pat Livingston, Chair of PICES Science Committee (Pacific Chapter of the International Council on Exploration of the Sea)*

1:30

**Session IV: Historical and Current Status of Natural Resources in the Gulf of Alaska**

NOTE: This session would look more broadly at what is happening with resource populations throughout the northern Gulf of Alaska. Speakers would be asked to address (1) the current status of resource populations in the Gulf of Alaska compared to historical levels and climate and (2) how what we've learned informs what should be done in the future (i.e., under GEM). (20 min. per speaker)

*Shellfish, Gordon Kruse?*

*Seabirds, Vernon Bird?*

*Marine Mammals, Lloyd Lowry?*

*Nearshore and Intertidal Communities, ?*

*Salmon, ADFG rep? David Welch?*

*Groundfish, Anne Hollowed?*

3:30

Break

4:00

**Session V: Panel Discussion on Potential Value of GEM to Various Stakeholders**

NOTE: Panelists would be asked to share their observations on GEM.

*Moderator: Core Peer Reviewer, Pete Peterson?*

*Panelists: Resource management*

*Alaska Native village*

*University of Alaska*

*Conservation organization*

*Commercial fishing*

*Business*

*Informed public*

5:00

Closing Remarks

*Molly McCammon, Executive Director*

5:15

Adjourn

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# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax:907/276-7178



## MEMORANDUM

TO: EVOS Project Leaders and Principal Investigators

FROM: Molly McCammon  
Executive Director

RE: 2000 Restoration Workshop and Call for Abstracts

DATE: November 2, 1999

The 2000 Restoration Workshop will be held January 18-19 at the Hotel Captain Cook in Anchorage. All project leaders and principal investigators are expected to participate.

The purposes of this workshop are to foster interdisciplinary interchanges among project personnel, provide an update on the status of the restoration program, and discuss the program's future. The theme of the workshop will be Applying Science to Human Needs: Starting the Transition to the Gulf Ecosystem Monitoring (GEM) Program. You will be provided a draft agenda later this month. At this time, there are four items I want to call to your attention.

- 1. Project abstracts are due December 15.** As has been our practice in recent years, most of the workshop will be held in plenary sessions and there will not be time for oral presentations on each project. Therefore, we request that the project leader or PI for each project that received FY 99 funds (the period October 1, 1998 through September 30, 1999) submit a one-page abstract to the Restoration Office by December 15. The abstracts will be bound and distributed to all workshop participants and will provide ready access to the full range of work supported by the Trustee Council. Guidelines for the preparation of abstracts are attached, along with a sample abstract. Please write your abstract in non-scientific language, as not everyone who reads it will be steeped in your subject matter.
- 2. Please let us know by December 15 if you intend to present a poster.** Abstracts are required; posters are encouraged. Posters will be displayed adjacent to the main meeting room and there will be a formal poster session on Tuesday evening, January 18. Guidelines for the preparation of posters are attached.
- 3. Please register for the workshop by December 15 by contacting Paula Banks at the Restoration Office.** An accurate count of attendees is essential to the success of the workshop. Registrations will be accepted beyond

December 15, but this early date will best facilitate our planning efforts. There is no registration fee this year.

4. **The cut-off date for the guaranteed room rate at the Hotel Captain Cook is December 15.** The rate is \$85 per night single or double. To make a reservation, call 1-800-843-1950 and ask for the *Exxon Valdez* Restoration Workshop special rate.

We look forward to hearing from you by December 15 and to seeing you in January.  
Thank you.

Attachments: Abstract guidelines and sample  
Poster guidelines

cc: Agency Liaisons  
Restoration Work Force

## **GUIDELINES FOR 2000 WORKSHOP ABSTRACTS**

**January 18-19, 2000 / Hotel Captain Cook**

Abstracts are needed from the project leader or principal investigator for each project that received EVOS Trustee Council funding in FY 99 (the period October 1, 1998 through September 30, 1999). Please submit your abstract no later than **December 15, 1999** to Phil Mundy at the Restoration Office. You may submit either a diskette (with hard copy) or by e-mail, preferably in a WordPerfect document format, Microsoft Word 97 document format, or ASCII format.

**Abstracts should be a maximum of one type-written, single-spaced page and should follow the format below. A sample abstract is on the back of these guidelines.**

### **Project Number and Title**

**Principal Investigators**, including names, mailing addresses (for each PI, if different), and telephone number and /or e-mail address for the lead investigator;

### **Abstract**, including:

- purpose and objectives of the restoration study or project, including reference to injured resources (include scientific names for plants and animals);
- study area;
- brief mention of primary methods, materials, equipment (especially if not standard);
- \* description of major results in 1999, with reference to earlier results as needed;
- \* summary comments that interpret or evaluate the results, especially in view of the status of the injured resource, restoration objectives, management applications, or future program directions.

The last two items ( \* ) are the most important and should account for most of the substance of the abstract. Your abstract should not include detailed descriptions of experiments, organisms, and standard methods, or references to the literature. In most cases tables and graphs will not be appropriate, but can be included if the abstract does not exceed one page.

**Please write in plain English—i.e., use a minimum of jargon. These abstracts need to be understandable to readers of various backgrounds and levels of education.**

**Contact:** Phil Mundy  
Exxon Valdez Oil Spill Restoration Office  
645 G Street, Suite 401  
Anchorage, AK 99501  
(907) 278-8012 phone  
(907) 276-7178 fax  
phil\_mundy@oilspill.state.ak.us

SAMPLE ABSTRACT

**Project Number and Title:** 97161 - Differentiation and Interchange of Harlequin Duck Populations Within the North Pacific

**Principal Investigators:** Buddy Goatcher, Katmai National Park and Preserve, Coastal Unit Office, 202 Center Avenue, #201, Kodiak, Alaska 99615-6312, (907) 486-6730

Denny Zwiefelhofer, Kodiak National Wildlife Refuge, 1390 Buskin River Road, Kodiak, Alaska 99615

Dan Esler and Kim Scribner, USGS - Biological Resources Division, 1011 E. Tudor Rd., Anchorage, Alaska 99503

**Abstract:** We are using genetic analyses and color-banding programs to assess the degree of population differentiation and movements among geographically separate groups of harlequin ducks (*Histrionicus histrionicus*). The primary area of study encompasses Exxon Valdez oil spill impacted areas of the northeast coast of the Alaska Peninsula (Katmai National Park) and Kodiak Island Archipelago (Kodiak National Wildlife Refuge) along the Shelikof Straits and Prince William Sound. Other investigators in the North Pacific region contributed additional samples for molecular genetics evaluation.

Harlequin ducks were captured in molting drives, genetic samples were collected, and leg-bands were applied with site specific colors and individual alpha-numeric codes before release on Exxon Valdez Oil Spill affected shorelines of Katmai (N=39), Kodiak (N=313) and Prince William Sound. A more practical live-trap design that should increase capture efficiencies was developed and constructed in 1996 and will be field tested in 1997. Resightings of colored bands from 14 flying birds were obtained in the Kodiak study area during 15-21 November. Other Prince William Sound studies have accumulated over 400 coded bandings and over 700 banded ducks to date.

We are using both nuclear bi-parentally inherited markers (microsatellites) and maternally inherited mitochondrial DNA (mtDNA) for genetic analyses. To date, 209 individuals from 6 regions [Katmai (N=35), Kodiak (N=21), Prince William Sound (N=74 from 4 locations), British Columbia (N=21), Aleutian Islands (N=23), and Washington state (N=35), have been assayed at one microsatellite locus. Preliminary results suggest that population allele frequency does not vary significantly among populations across the North Pacific. In an effort to obtain additional loci, cloning efforts are underway to develop additional polymorphic loci. We feel the microsatellite analysis will prove far superior to multilocus minisatellite (DNA fingerprinting) analysis for the purposes of this study.

If population interchange is limited among regions, recovery of populations injured by the oil spill can occur only through the recruitment of young into the population. However, if movements exist among areas, as evidenced by genetic mixing or direct band returns from this study, recovery can be enhanced by immigration from non-injured populations. We will continue to address these issues with genetic analyses and recoveries of banded individuals.



# GUIDELINES FOR 2000 WORKSHOP POSTER PRESENTATIONS

January 18-19, 2000 / Hotel Captain Cook

Posters will be displayed throughout the 2000 Restoration Workshop. In addition to submitting your project abstract to Phil Mundy at the Restoration Office, please notify both Phil and Dede Bohn, chair of the poster session, if you plan to present a poster. The deadline for submitting your abstract and indicating that you plan to present a poster is **December 15, 1999**. When you contact Dede and Phil, please include your e-mail address. Here are the details:

## Session Setting

- Similar to that of other years: i.e., a large room adjacent to the main meeting room.
- Shared space with coffee service and reception.
- Posters will be displayed along the outer walls.

## Allowable Space

- Without special arrangements, the maximum space available is 3.5 feet wide.

## Tips

- Keep it simple.
- Include title, author and contact information at the top.
- Present only enough data to support conclusions; use attractive figures and photos.
- All text and images must be legible from at least 4 feet away (use  $\geq 14$  point font).

## Display / Attachment

- Posters will be suspended from the walls. The surface of one wall is semi-soft and flexible; the other is a hard, permanent, outer wall.
- Masking tape and pins will be provided. Velcro may also be used.
- Try to keep your poster light-weight.

## Other

- Presenter is responsible for his or her own poster.
- Set-up will begin on Tuesday, January 18 at 8:00 am.
- The Reception and Poster Session will be from 5:30-7:30 pm on January 18. Presenters are expected to accompany their posters during this time.

## Contacts

Phil Mundy  
Exxon Valdez Oil Spill  
Restoration Office  
645 G Street, Suite 401  
Anchorage, AK 99501  
(907) 278-8012 phone  
(907) 276-7178 fax  
phil\_mundy@oilspill.state.ak.us

Dede Bohn  
USGS - Alaska Biological  
Science Center  
1101 East Tudor Road  
Anchorage, AK 99503  
(907) 786-3685. phone  
(907) 786-3636 fax  
Dede\_Bohn@usgs.gov

# Exxon Valdez Oil Spill Trustee Council

645 G Street, Suite 401, Anchorage, AK 99501-3451 907/278-8012 fax: 907/276-7178



## MEMORANDUM

**TO:** Robert Baldauf  
Catherine Berg  
Claudia Slater  
Bruce Wright  
*Traci Cramer*  
**FROM:** Traci Cramer  
Administrative Officer

**DATE:** November 2, 1999

**RE:** December Court Request

The purpose of this memorandum is to document that Court Request #40 contained a number of technical errors associated with the Fiscal Year 2000 Work Plan. It is my intent to adjust the December Court Request to correct these errors. In addition, the December Court Request will also include a Fiscal Year 1999 adjustment to reflect the transfer of \$15,000 from the Alaska Department of Fish and Game to the United States Department of the Interior. This transfer was approved by the Executive Director in September and is for the purchase of subscriptions and other expenses associated with the Alaska Resource Library and Information Service in Fiscal Year 1999.

It is requested that you review the following lists to ensure that the proposed adjustments are reflected accurately. In the event the lists are not accurate or an additional correction is identified, please notify me immediately at (907) 586-7238.

### Alaska Department of Fish and Game

Project	Authorized	Adjustment	Net
99100	1,568,600	-15,000	1,553,600
00320-BAA	0	+6,200	6,200
00493	0	+1,200	1,200
00510-BAA	0	+9,100	9,100

### United States Department of the Interior

Project	Authorized	Adjustment	Net
99100	174,100	+15,000	189,100
00599	0	+21,800	21,800

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Alaska Department of Law

## National Oceanic and Atmospheric Administration

<u>Project</u>	<u>Authorized</u>	<u>Adjustment</u>	<u>Net</u>
00320-BAA	120,000	-6,200	113,800
00360-BAA	307,400	-2,600	304,800
00493	34,500	-1,200	33,300
00510-BAA	48,800	-9,100	39,700
00599	75,600	-21,800	53,800

cc: Sandra Schubert

# Exxon Valdez Oil Spill Trustee Council

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## Restoration Office Tentative Meeting Schedule

### November 1999

15-16 Herring Workshop

### December 1999

9 Restoration Work Force Meeting, 9 a.m.

16 Trustee Council Meeting on Deferred Projects for FY2000 Work Plan

### January 2000

18-19 Annual Workshop, Captain Cook Hotel

### February 2000

### March 2000

### April 2000

### May 2000

### June 2000

\* tentative meeting dates

For more information on any of the above meetings, please contact the Anchorage Restoration Office.

Update: 11/8/99 rwf

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# Exxon Valdez Oil Spill Trustee Council

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## FAX COVER SHEET

**FAXED**

To: **Restoration Work Force**

Date: November 8, 1999

From: Molly McCammon Total Pages: 2

Comments: Tentative Meeting Schedule for November 1999.

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### RESTORATION WORK FORCE MEMBERS INCLUDE:

Bruce Wright  
Carol Fries  
Ken Holbrook

Bill Hauser  
Claudia Slater  
Catherine Berg  
Bud Rice

Dede Bohn  
Marianne See  
Bob Spies

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7/15/99pdb

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*tentative meeting Schedule*