

M/V New Carissa Incident
start date: 4 Feb. 1999
location: Coos Bay, OR
FPN: S-99018

EMERGENCY RESTORATION MEASURES FOR THE WESTERN SNOWY PLOVER

Public Education and Interpretation

USDA - Forest Service, Siuslaw NF
USDI - BLM, Coos Bay District
Oregon Department of Fish and Wildlife
Oregon Parks and Recreation Department

Item: Provide on-site interpretation specialists during the nesting season to increase public education/awareness. Emphasis areas for this item will be Sutton/Baker Beach, Siltcoos Estuary, Bandon Beach State Park and Floras Lake. **Total Budget = \$13,915 (FS = \$11,915, BLM = \$2,080).**

Base Line Program: ODFW and FS have no appropriated funding available to provide snowy plover interpretation and education. BLM has allocated funding for a part-time interpreter at Floras Lake. Information and education to date has been accomplished as an adjunct duty for volunteer compliance monitors or by Biologists most often on their own time. The FY 99 budget and baseline program is as follows -

ODFW	Volunteer Host at Siltcoos (Recruit & Admin)	\$ 3,000
FS	Volunteer and program management (incl. salary, vehicle, volunteer coordinator, volunteer training, stipend, and housing)	\$ 8,000
BLM	Part-time Interpretation Aide (4.5 work mo.- March through September)	\$13,800
	Total =	\$ 22,800

Implementation: Hire a seasonal interpretation specialist for 5 months (May - Sept). Duty station for this position will be at the Oregon Dunes Headquarters in Reedsport or in the Mapleton Ranger District Office in Florence. Supervision will be provided by the District Wildlife Biologist. Area of coverage for this position will be nesting areas from Sutton/Baker Beach south to Horsfall. The current part-time BLM position will be increased to a full-time position from 1 April to 15 September. Area of coverage will include Bandon to Floras Lake.

Both positions will design and implement an interpretive strategy for their respective areas. Their goal will be to increase understanding and support of compliance measures by both locals and tourists. They will utilize techniques such as on-site interpretation, news releases, campground and other presentations as appropriate to meet this goal. Volunteers will be utilized to provide additional on-site coverage. Agency costs are for administration of this program (recruiting, training, supervision etc.).

Costs:

FS Salary, GS-4, 80 days X \$104/day =	\$ 8,320
FS Salary, GS-11, 5 days X \$300/day =	\$ 1,500
BLM Salary, GS-4, 1 work mo =	\$ 2,080
FS Vehicle, 2WD (FOR rate \$241/mo) + (\$0.13/mi X 70mi/day) =	\$ 2,015
Total =	\$ 13,915

Anticipated Results: Increased public awareness and education resulting in reduced violations within nesting closure areas thus reducing recreational impacts to western snowy plovers .

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EMERGENCY RESTORATION MEASURES FOR THE WESTERN SNOWY PLOVER

Law Enforcement

USDA - Forest Service, Siuslaw NF
USDI - BLM, Coos Bay District
Oregon Department of Fish and Wildlife
Oregon Parks and Recreation Department

Item: Provide law enforcement personnel to enforce public closures at nesting areas. Hire two seasonal law enforcement officers (1 north, 1 south). **Budget \$40,507 (ODFW = \$38,207, FS = \$1,400 & BLM = \$900)**

Base Line Program: Forest Service has no appropriated snowy plover LE funds. The Forest Service does provide approximately 2 hrs/day of law enforcement coverage through appropriated LEI funding during the nesting season. BLM and ODFW committed \$5,000 each toward a Challenge Cost Share for part-time law enforcement coverage (Senior State Trooper) for the 1999 nesting season. Like FS, BLM also provides approximately 2 hrs/day of law enforcement coverage through appropriated LEI funding during the nesting season. Oregon State Parks also provides a State Trooper to enforce State Parks campground and beach regulations (such as vehicle closures) at the same (generous) estimated levels as BLM and FS programs.

FS	2 hrs/day X \$23.20/hr X 180 days (summer season) =	\$ 8,352
BLM	Challenge Cost Share - Senior Trooper =	\$ 5,000
	Administrative Salary; GS11, 6 days X \$300/day =	\$ 1,200
	2 hrs/day X \$23.20/hr X 180 days (summer season) =	\$ 8,352
OPRD	2 hr/day X \$23.20/hr X 180 days (summer season) =	\$ 8,352
ODFW	Challenge Cost Share - Senior Trooper =	\$ 5,000
	Administrative Salary; NRS2, 6 days X \$300/day =	\$ 1,200
	TOTAL	\$37,456

Implementation: Contract law enforcement services would be provided through the Master Agreement for Police Services, ODFW and the Oregon State Police. A senior State Trooper will be hired for the southern areas (BLM and Bandon State Parks) due to BLM requirements for a trooper at that level. A cadet will be hired for the northern areas (Forest Service lands). ODFW is lead agency. BLM and Forest Service will provide training and assistance. Reporting office will be at Coos Bay OSP (both officers, cadet may be located in satellite office in Reedsport). Current law enforcement is sporadic and focused on vehicle violations not foot traffic or dogs. Contract personnel will focus on these other areas of compliance.

ODFW Liason - Dan Van Dyke (Rebecca Goggans, alternate)
Forest Service Liaison - Kerrie Palermo (Cindy Burns, alternate)
BLM Liaisons - Kevin Kritz and Jim Heaney

Costs:

Contract OSP Retired Senior Trooper, Full Time/6 months*	\$ 29,000
Contract OSP Cadet, Full Time/6 months*	\$ 17,707
ODFW, additional admin costs; NRS2, 5 days X \$300/day	\$ 1,500
BLM, additional admin costs, GS-11, 3 days X \$300/day	\$ 900
FS, new admin. costs, GS-11, 4.5 days X \$300/day	\$ 1,400
	TOTAL \$ 50,507
- minus \$10,000 contribution for Senior Trooper from baseline	\$ 40,507

* (includes 4WD vehicle and LE equipment)

Anticipated Results: Reduced violations within nesting closure areas and beach vehicle closures thus reducing potential recreational impacts to western snowy plovers .

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EMERGENCY RESTORATION MEASURES FOR THE WESTERN SNOWY PLOVER

BARRIERS

Fencing Sutton Creek and Baker Beach and Access Trails Gate and Boulder Barriers - Bandon Beach State Park Gate and Boulder Barriers - Floras Lake State Park

USDA - Forest Service, Siuslaw NF
USDI - BLM, Coos Bay District
Oregon Department of Fish and Wildlife
Oregon Parks and Recreation Department

Item: Purchase and install barriers at key locations at breeding areas to exclude vehicles and/or human entry.

Total Budget = \$12,389 (FS = \$4,589, OPRD = \$7,800)

Base Line Program: Trustee agency baseline funding for barrier purchase and installation for FY99 is as follows ?

FS	\$	0	
BLM		10,750	(fence purchase and installation at Floras Lake)
ODFW		0	
OPRD		0	
		TOTAL	\$10,750

All barrier material and installation planned as an emergency restoration activity is above current baseline programs of participating trustee agencies.

Design: The following design and types of barriers are planned as emergency restoration measures.

Baker Beach/Sutton Area - Two rail, pressure treated fencing installed along each side of the beach access trails (2) in a funnel pattern. 600 ft. at each trail site (1,200 ft. total)

Bandon Beach State Park - Square tube gate and large boulder placement to close vehicle access.

Floras Lake State Park - One gate and boulder placement to close off vehicle access.

Implementation:

Sutton/Baker Beach Site - Mapleton Ranger District will purchase materials. Installation will be performed by Camp Florence youth crews.

Bullards Beach Site - Purchase and installation of materials will be conducted by OPRD.

Floras Lake Site - Purchase and installation of materials will be conducted by BLM and OPRD.

Costs: Materials and Labor.

Sutton Creek and Baker Beach Access Trails

Materials -1,100 feet fence X \$2.44/Foot =	\$ 2,489
Installation - Youth crew 4 days X \$250/day =	\$ 1,000
FS Salary, GS-9, 4 days X \$275/day =	<u>\$ 1,100</u>
Total =	\$ 4,589

Bullards Beach Gate and Barriers

4" x 4" square tube gate and install =	\$ 1,500
20 ea. 3' x 4' boulders and placement x \$100 ea. =	\$ 2,000
OPRD Salary, 3 days X \$300/day =	<u>\$ 900</u>
Total =	\$ 4,400

Floras Lake Gate and Barrier

Purchase and install heavy duty gate =	\$ 1,500
10 ea. 3' x 4' boulders and placement x \$100 ea. =	\$ 1,000
OPRD Salary, 3 days X \$300/day =	<u>\$ 900</u>
Total =	\$ 3,400

Total, all emergency restoration barriers = \$ 12,389

Anticipated Results: Reduced violations within nesting closure areas thus reducing recreational impacts to western snowy plovers .

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EMERGENCY RESTORATION MEASURES FOR THE WESTERN SNOWY PLOVER

ROPE AND POST NESTING AREAS

Sutton Creek - Baker Beach Closure Area
 Bandon Beach State Park - China Creek and South Closure area

USDA - Forest Service, Siuslaw NF
 USDI - BLM, Coos Bay District
 Oregon Department of Fish and Wildlife
 Oregon Parks and Recreation Department

Item: Purchase and install rope and post at breeding areas to exclude human entry. **Total Budget = \$8,537**
(FS = \$7,166; ODFW = \$1,371)

Base Line Program: Trustee agency baseline funding for barrier purchase and installation for FY99 is as follows ?

USDA - Forest Service	\$ 2,000	(two miles, material & install at Baker/Sutton)
USDI - BLM	500	(rope and post purchase and install at North Jetty)
ODFW	0	
OPR	0	
Total	\$ 2,500	

Design: The following rope and post purchase and installation are planned as emergency restoration measures.

Baker Beach/Sutton area - Post and rope entire nesting area, 3 miles X 2 (both sides) = 6 miles of post and rope. Utilize Emergency restoration funding to acquire material and labor needed to complete job (approx. 4 miles additional above baseline)

Bando Beach State Park - Post and rope nesting area from China Creek south for 1/2 mile.

Implementation:

Baker Beach/Sutton area - Mapleton Ranger District will purchase materials. Installation will be performed by Camp Florence youth crews (contracted by FS).

Bandon Beach State Park - ODFW will purchase materials and coordinate installation.

Costs:

Baker Beach/Sutton Area

Materials - 3.35 miles additional x \$ 729/mi. =	\$ 2,446
FS Salary, GS-9, 8 days X \$275/day =	\$ 2,220
Installation - Youth crew 4 days X \$250/day =	1,000
Maintenance - Youth crew 4 days X \$250/day =	1,000
Take down - Youth crew 2 days X \$250/day =	500
Total =	\$ 7,166

Bandon Beach Area

Materials - 0.5 miles additional x \$ 841/mi. =	\$ 421
ODFW Salary, 1.5 days X \$300/day =	\$ 450
Work Cew, 1 day X \$500/day =	<u>\$ 500</u>
Total	\$ 1,371

Total emergency plover restoration cost for rope and post =\$ 8,537

Anticipated Results: Reduced violations within nesting closure areas thus reducing recreational impacts to western snowy plovers. Plovers were beginning to expand into these areas. However, available budgets were not sufficient to provide additional recreational management measures.

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Additional Signs

USDI - BLM, Coos Bay District
USDA - Forest Service, SiuslawNF
Oregon Department of Fish and Wildlife
Oregon Parks and Recreation Department

Item: Purchase additional signs for delineating no entry zones at plover nesting sites from Sutton south to New River. **Total budget = \$2,056 (BLM).**

Base Line Program: Trustee agency baseline funding for sign purchase for FY 99 has been pooled into a Challenge Cost Share project totaling \$6800 (\$3,000 USFS, \$2,500 BLM, \$1,000 ODFW, \$300 Cape Arago Audubon).

Implementation: Coos Bay District Bureau of Land Management will provide lead for sign purchases. Agency support includes coordination of sign design, distribution and placement.

Identified Needs:

Bandon State Park - 100 carsonites with stickers and 50 Do Not Enters
New River/Floras Lake - 90 carsonites with stickers and 200 Do Not Enters
North Spit - 100 carsonites with stickers and 120 Do Not Enters
USFS (Tenmile, Siltcoos, Tahkenitch and Sutton) - 110 Carsonites and 230 Do

Not Enters

Material Costs:

Carsonite signs with the anchors and stickers are about \$20 each (1998 prices), we will also need some number stickers for our Carsonites on the North Spit and perhaps elsewhere. Do Not Enter signs could be produced by J L Darling Corp. for (1998 prices): 50 for \$442, 100 for \$489, 250 for \$690. There would also be a \$50 design cost for both carsonite stickers and Do Not Enter signs.

<u>Costs:</u>	Carsonites w/stickers (400 X \$20) =	\$ 7,000
	Sticker design and freight	\$ 100
	Do Not Enter signs (600 X \$2.76 ea)	\$ 1,656
	Sticker design and freight	\$ 100
	TOTAL	\$ 8,856
	minus \$6,800 CCS	= \$ 2,056

Anticipated Results: Reduced violations with increased signage around nesting closures will reduce potential recreational impacts to snowy plovers.

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Additional Exclosure Materials

USDI - BLM, Coos Bay District
USDA - Forest Service, SiuslawNF
Oregon Department of Fish and Wildlife
Oregon Parks and Recreation Department

Item: Purchase additional predator exclosure materials for all plover nesting sites from Sutton south to New River. **Total budget = \$500 (all to BLM).**

Base Line Program: TNC at this point did not plan on purchasing additional exclosures unless some were lost during the season.

Implementation: Coos Bay District Bureau of Land Management will provide lead for exclosure material purchases.

Costs:	Hog wire, twine and T-posts=	\$ 500
		TOTAL \$ 500

Anticipated Results: Reduced loss to predators with increased exclosures available will reduce potential impacts to snowy plovers.

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**EMERGENCY RESTORATION MEASURES FOR THE WESTERN SNOWY PLOVER AND
 ALLOCATION OF RESTORATION FUNDS BY AGENCY**

Summary:

Project	Total Cost	BLM	FS	ODFW	OPRD	
Info & Ed	\$13,915	\$ 2,080	\$11,835	----	---	
Enforcement	\$40,507	\$ 900	\$ 1,400	\$38,207	---	
Barriers	\$12,389	----	\$ 4,589	\$ ----	\$ 7,800	
Rope/Post	\$ 8,537	----	\$ 7,166	\$ 1,371	---	
Predators	\$ 2,096	\$ 2,096		---	---	---
Signs	\$ 2,056	\$ 2,056		---	---	---
Exclosures	\$ 500	500	---	---	---	
TOTAL	\$ 80,000	\$ 7,632	\$24,990	\$39,578	\$ 7,800	