



California Department of Fish & Wildlife Wildlife Branch

Upland Game Bird Account Project Proposal

(Tab or arrow key through form to fill it out)

Project Title: Grizzly Island Wildlife Area Field 10 Enhancement

This project proposal must clearly identify benefits to upland game birds, upland game bird hunting opportunities, or public hunting outreach (Fish and Game Code Section 3684c).

CDFW or Non-Governmental Organization project contact:

Name: Robert Eddings

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Project start and completion dates by State Fiscal Year (July 1 – June 30): 6/1/2015 to 11/15/2016

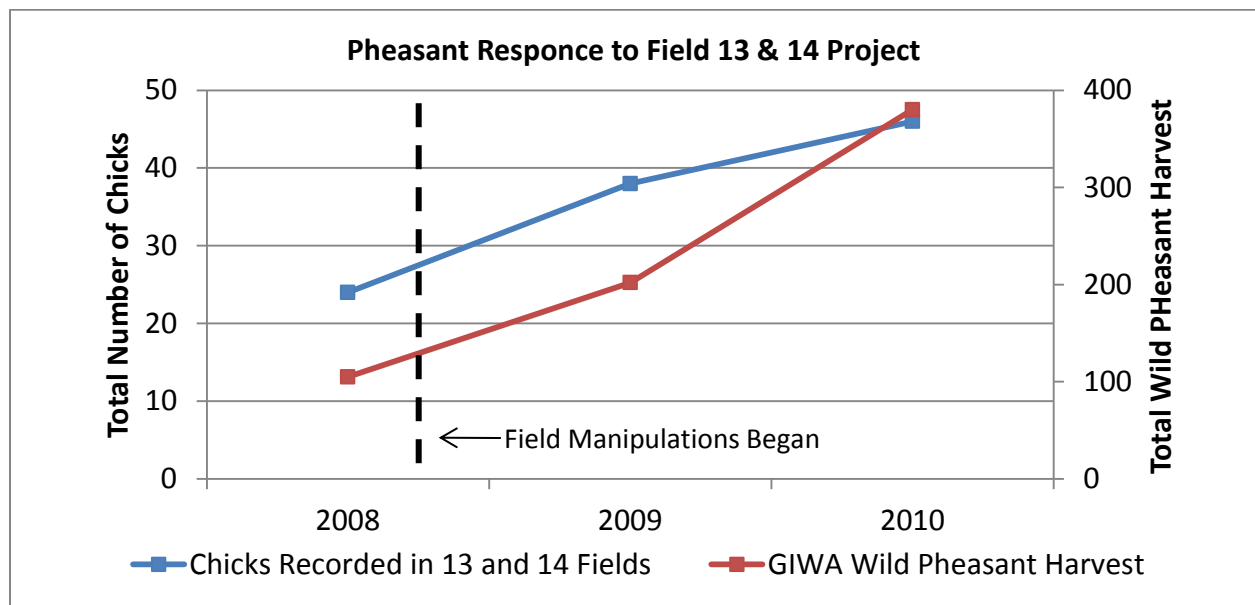
California Department of Fish and Game Region and location of proposed project: Region 3, Grizzly Island Wildlife Area.

Project Description: State how this proposed project will maintain or enhance existing upland game bird resources.

This project will improve upland nesting and foraging habitat for pheasants and other wildlife in a field that is currently providing poor quality habitat and hunting opportunity. Field 10 at Grizzly Island Wildlife Area has unrealized potential for providing quality nesting and foraging habitat for pheasants as well as other ground nesting birds. CWA and GIWA staff completed a small Upland Game Bird grant-funded project in Field 10 earlier this year intended to improve upland habitat quality. In general, the project was a success. However, during implementation of the project, several issues were discovered which, along with an extremely dry winter, diminished the overall benefit. We will adapt our strategy with future management, which will increase the value of the proposed project. This proposal will enhance approximately 60 acres of upland nesting and foraging habitat within field 10. The entire project area will be rid of noxious weeds (lepidium and phragmites) with herbicide before the ground is disturbed. After the herbicide application has taken effect, the area will be burned, mowed and heavily disked. Once the fields are clean of duff, a mosaic of nesting cover (annual grasses, perennial grasses and forbs) and forage (cereal-grains and legumes) will be planted throughout the area. The actual layout and planting design will be determined at the time of planting by DFW staff with assistance from CWA staff. DFW staff will provide equipment and labor to apply the herbicide. The field preparation and seed planting will be contracted.

Expected Benefits: Describe benefits to upland game bird species, upland game bird public hunting opportunities, or public outreach and education relating to upland game bird hunting.

A similar, but much larger project was completed in fields 13 and 14 on Grizzly Island WA. Similar to field 10, the habitat quality in several of these fields had diminished and biological surveys had indicated that pheasant and duck nesting efforts had significantly decreased. An upland restoration, enhancement and monitoring project was initiated in 2008 with funding from WCB. Preliminary survey results, and conversations with DFG staff, indicate the pheasants have responded very positively to the project. The number of chicks recorded in and near these fields during standardized brood surveys have nearly doubled since the beginning of the project (see graph below). Wild pheasant harvest has also significantly increased during this time. Although no data is available, wildlife area staff have indicated that a larger proportion of the total number of wild pheasants harvested on the wildlife area have come from the 13 and 14 fields in recent years.



The goal of this project is to take what we have learned from the 13 and 14 fields and apply it to field 10. Once completed, the project area should support a higher density of nesting pheasants, provide better brood rearing, foraging conditions and subsequently improve hunting success in the project area.

Schedule of project tasks: A brief project summary is required annually for multi year projects and a final project report by August 1st following the fiscal year of project completion. Please summarize your projected tasks by date:

Tasks	Start Date	Finish Date
Chemical application to control lepidium	4/1/15	4/31/15
Determine planting layout and seed-mix	7/1/15	8/31/15
Controlled Burn of Seed bed	7/1/15	9/30/15
Disk fields	9/1/15	10/31/15
Plant seed-mix	11/1/15	12/31/15
Chemical application to control Radish and Mustard	3/1/16	5/31/16

The following pages include tables that you may use to fill in your budget breakdown. Please feel free to generate your own tables, but all information must be included. Additional information such as area maps should also be included.

SEE ATTACHED BUDGET TABLE

List any CDFW personnel participation by name and classification:

Name: <u>Pat Graham</u>	Classification: <u>Wildlife Habitat Supervisor II</u>
Name: <u>Orlando Rocha</u>	Classification: <u>Environmental Scientist</u>
Name: <u>Scott Miller</u>	Classification: <u>Tractor Operator/Laborer</u>
Name: <u>Shawn Overton</u>	Classification: <u>Habitat Assistant</u>

Upland Game Bird Proposal FY2015-2016

Project Title:	Grizzly Island WA Field 10 Enhancement	Location Grizzly Island WA	Field#s 10	Acres 60
Budget Line Item #	Work/Item Description	Count	Units	Cost/Unit
	<u>PERSONAL SERVICES:</u>			
1	Project Manager	60	hours @	\$32.00
2	Benefits Salaried Staff		@	33%
	<u>Personnel Subtotal</u>			<u>\$2,553.60</u>
	<u>OPERATING EXPENSES:</u>			
	MATERIALS			
3	Telar XP - lepidium control	16	ounces @	\$30.00
4	2,4-D - mustard/radish control	45	acres @	\$15.00
5	Grain Seed	2,250	pounds @	\$0.50
6	Seed Mix	750	pounds @	\$2.00
	<u>Materials Subtotal</u>			<u>\$3,780.00</u>
	CONSTRUCTION			
7	Field Preparation	60	acres @	\$75.00
8	Field Planting	60	acres @	\$40.00
9	2,4-D herbicide application	45	acres @	\$25.00
	<u>Construction Subtotal</u>			<u>\$8,025.00</u>
	Travel			
10	Mileage	1,000	miles @	\$0.560
11	Meals & Lodging			\$0.00
	<u>Travel Subtotal</u>			<u>\$560.00</u>
	OVERHEAD			
12	DFW Paid Overhead (6%)			\$895.12
	<u>Overhead Subtotal</u>			<u>\$895.12</u>
	<u>Total Personal and Operating Expenses</u>			<u>\$15,813.72</u>
<u>UPLAND GAME BIRD FUNDING REQUEST</u>				<u>\$15,813.72</u>

Grizzly Island WA - Field 10
Upland Game Bird Project Proposal - FY 15/16



CALIFORNIA WATERFOWL
Hunting for a Better California

 Proposed Planting Area
 Field 10 Boundary

