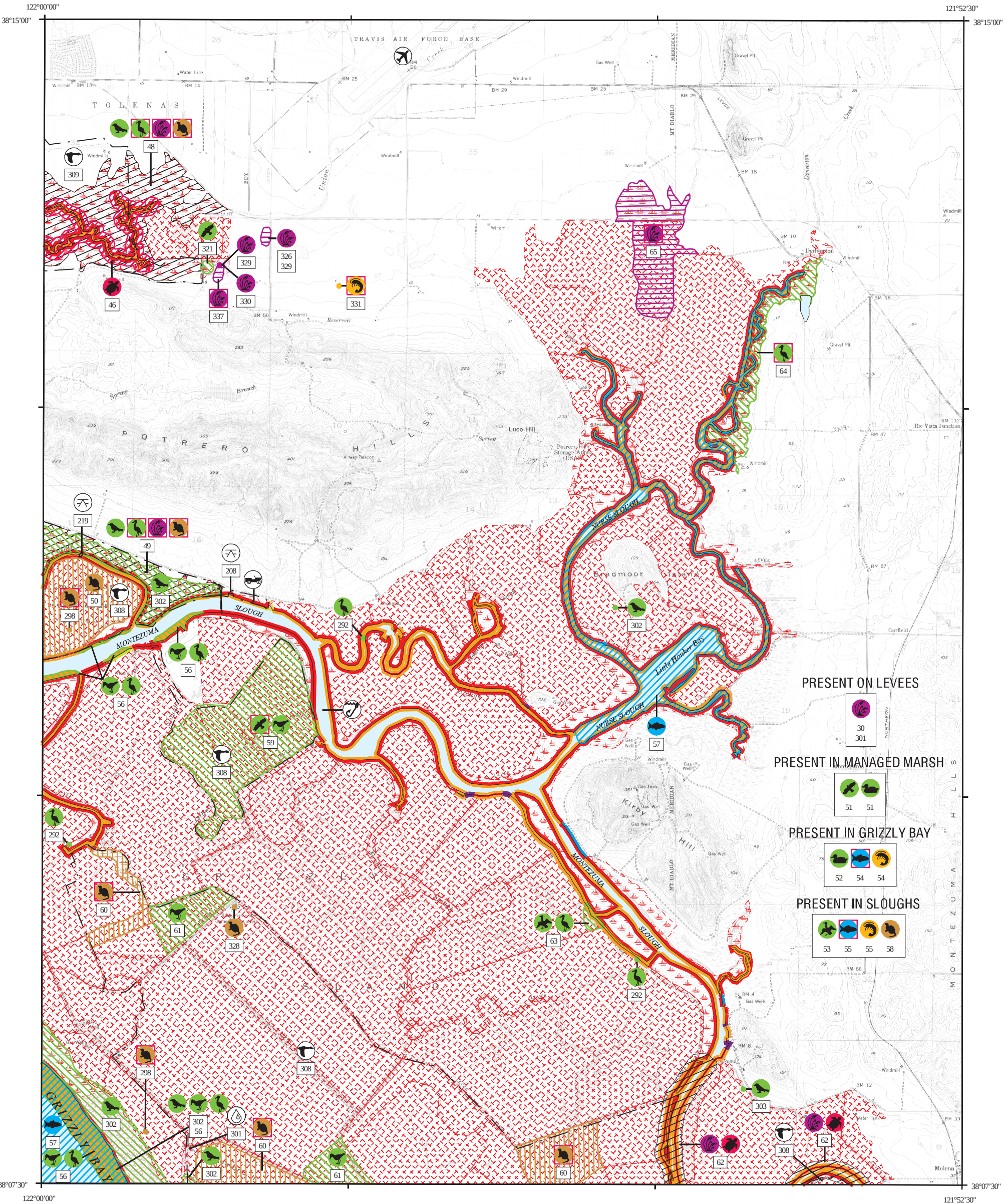


ENVIRONMENTAL SENSITIVITY INDEX MAP



PRESENT ON LEVEES



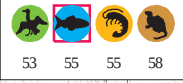
PRESENT IN MANAGED MARSH



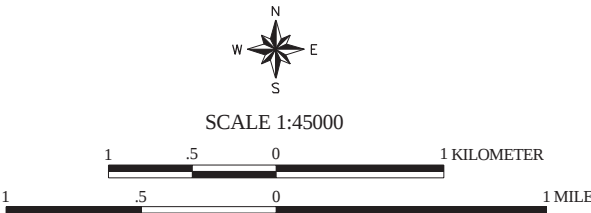
PRESENT IN GRIZZLY BAY



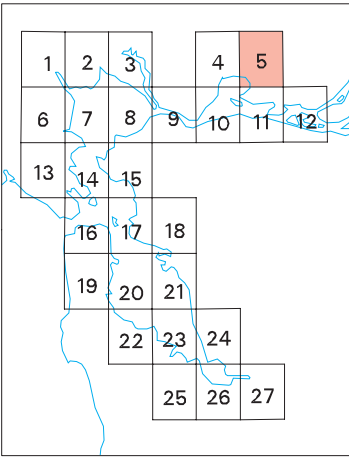
PRESENT IN SLOUGHS



- SHORELINE HABITATS**
- 1A EXPOSED ROCKY SHORES
 - 1B EXPOSED, SOLID MAN - MADE STRUCTURES
 - 2A EXPOSED WAVE - CUT PLATFORMS IN BEDROCK
 - 3A FINE - TO MEDIUM - GRAINED SAND BEACHES
 - 3B SCARPS AND STEEP SLOPES IN SAND
 - 4 COARSE - GRAINED SAND BEACHES
 - 5 MIXED SAND AND GRAVEL BEACHES
 - 6A GRAVEL BEACHES
 - 6B RIPRAP
 - 7 EXPOSED TIDAL FLATS
 - 8A SHELTERED ROCKY SHORES
 - 8B SHELTERED, SOLID MAN - MADE STRUCTURES
 - 8C SHELTERED RIPRAP
 - 9A SHELTERED TIDAL FLATS
 - 9B VEGETATED LOW RIVERINE BANKS
 - 10A SALT - AND BRACKISH - WATER MARSHES
 - TIDAL MARSHES
 - MUTED TIDAL MARSHES
 - MANAGED MARSHES
 - DIKED MARSHES
 - SALT PONDS



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Hazardous Materials Response Division



SAN FRANCISCO BAY – ESIMAP 5

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Laying	Hatching	Fledging
48	California black rail	S	T	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	-	-	-
	California clapper rail	S/F	E/E	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUL	-	-	-
	Saltmarsh common yellowthroat			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	-	-	-
49	California black rail	S	T	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	-	-	-
	California clapper rail	S/F	E/E	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-JUL	-	-	-
	Saltmarsh common yellowthroat			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	-	-	-
51	Canada goose			2000	X	X	X	X					X	X	X	X	-	-	-	-
	Canvasback			MEDIUM	X	X	X	X					X	X	X	X	-	-	-	-
	Dabbling ducks			HIGH	X	X	X	X					X	X	X	X	-	-	-	-
	Greater white-fronted goose			1000	X	X	X	X					X	X	X	X	-	-	-	-
	Northern pintail			HIGH	X	X	X					X	X	X	X	X	-	-	-	-
	Ruddy duck			MEDIUM	X	X	X	X					X	X	X	X	-	-	-	-
	Short-eared owl			PRESENT		X	X	X	X	X	X	X	X	X	X	X	MAR-JUL	-	-	-
	Snow goose			200	X	X	X	X					X	X	X	X	-	-	-	-
	Tundra (whistling) swan			200	X	X	X	X					X	X	X	X	-	-	-	-
52	Canvasback			MEDIUM	X	X	X	X					X	X	X	X	-	-	-	-
	Diving ducks			HIGH	X	X	X	X					X	X	X	X	-	-	-	-
	Ruddy duck			LOW	X	X	X	X					X	X	X	X	-	-	-	-
53	Clark's grebe			HIGH	X	X	X	X	X				X	X	X	X	-	-	-	-
	Western grebe			HIGH	X	X	X	X	X				X	X	X	X	-	-	-	-
56	Shorebirds			LOW	X	X	X	X	X		X	X	X	X	X	X	-	-	-	-
	Wading birds			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
59	Peregrine falcon	S/F	E/E	PRESENT		X	X	X	X	X	X	X					-	-	-	-
	Shorebirds			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
61	Shorebirds			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
63	Double-crested cormorant			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	MAR-AUG	MAR-MAY	MAR-JUN	MAY-AUG
	Egrets			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	-	-	-
	Heron			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	JAN-AUG	-	-	-
64	California black rail	S	T	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	MAR-MAY	-	-	-
292	Great blue heron				X	X	X	X	X	X	X	X	X	X	X	X	JAN-AUG	-	-	-
	Great egret				X	X	X	X	X	X	X	X	X	X	X	X	FEB-AUG	-	-	-
302	Suisun song sparrow			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	FEB-JUN	-	-	-
303	Tricolored blackbird			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-
321	Burrowing owl			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-

FISH:

RAR#	Species	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
54	American shad			HIGH					X	X	X	X	X	X	X	X	-	-	-	AUG-DEC	MAY-JUL
	Chinook salmon (fall)			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
	Chinook salmon (late fall)			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
	Chinook salmon (spring)			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
	Chinook salmon (winter)	S/F	E/E	HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	-
	Delta smelt	S/F	T/T	LOW	X	X	X	X	X	X	X	X	X	X	X	X	-	-	APR-JUN	APR-AUG	JAN-DEC
	Green sturgeon			MEDIUM	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
	Starry flounder			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	FEB-DEC	JAN-DEC	JAN-DEC
	Striped bass			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	APR-MAY	APR-JUN	JAN-DEC	SEP-MAY
	White sturgeon			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
55	Delta smelt	S/F	T/T	LOW	X	X	X	X	X	X	X	X					JAN-JUN	JAN-JUN	JAN-JUL	APR-SEP	JAN-JUL
	Striped bass			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	APR-MAY	APR-JUN	JAN-DEC	-
	White sturgeon			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
57	Sacramento splittail			HIGH						X	X	X	X	X	X	X	-	-	-	JUN-NOV	JUN-NOV

HABITAT/PLANT:

RAR#	Species	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D					
30	Mason's lilaeopsis			POTENTIAL	X	X	X	X	X	X	X	X	X	X	X	X					
48	Soft bird's-beak	F	E	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X					
	Suisun thistle	F	E	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X					
49	Soft bird's-beak	F	E	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X					
	Suisun thistle	F	E	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X					
62	Mason's lilaeopsis			POTENTIAL	X	X	X	X	X	X	X	X	X	X	X	X					
65	Soft bird's-beak	F	E	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X					
301	Delta tule pea			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X					
326	Alkali milk-vetch			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X					
329	San Joaquin saltbush			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X					
330	Brittlescale			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X					
337	Contra Costa goldfields	F	E	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X					

INVERTEBRATE:

RAR#	Species	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
54	California bay shrimp			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAR-SEP	MAR-OCT	JAN-NOV
55	California bay shrimp			HIGH	X	X	X	X	X	X	X	X	X	X	X	X	-	-	MAR-SEP	MAR-OCT	JAN-NOV
331	Vernal pool tadpole shrimp	F	E	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	-	-

REPTILE/AMPHIBIAN:

RAR#	Species	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Hatching	Interesting	Juveniles	Adults
46	Western pond turtle			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	JUN-AUG	-	JAN-DEC	JAN-DEC
62	Western pond turtle			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X	APR-AUG	JUN-AUG	-	JAN-DEC	JAN-DEC

TERRESTRIAL MAMMAL:

RAR#	Species	S/F	T/E	Concen	J	F	M	A	M	J	J	A	S	O	N	D					
48	Salt-marsh harvest mouse	S/F	E/E	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X					
49	Salt-marsh harvest mouse	S/F	E/E	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X					
	Suisun ornate shrew			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X					
50	Suisun ornate shrew			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X					
58	Northern river otter			HIGH	X	X	X	X	X	X	X	X	X	X	X	X					
60	Salt-marsh harvest mouse	S/F	E/E	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X					
298	Salt-marsh harvest mouse	S/F	E/E	PRESENT	X	X	X	X	X	X	X	X	X	X	X	X					
328	Suisun ornate shrew			PRESENT	X	X	X	X	X	X	X	X	X	X	X	X					

HUMAN USE RESOURCES:

STATE/REGIONAL PARK:

HUN#	Name	Owner	Contact	Phone
208	BELDEN'S LANDING STATE FISHING ACCESS			
219	CUTOFF SLOUGH STATE PUBLIC ACCESS			

WATER_INTAKE:

HUN#	Name	Owner	Contact	Phone
301	WATER INTAKE	SUISUN RESOURCE CONSERVATION DISTRICT		707-425-9302

WILDLIFE REFUGE/MGMT AREA:

HUN#	Name	Owner	Contact	Phone
308	GRIZZLY ISLAND STATE WILDLIFE AREA	CDFG	MANAGER	707-425-3828
309	HILL SLOUGH STATE WILDLIFE AREA	CDFG	MANAGER	707-425-3828