## APPENDIX E

# CALIFORNIA DEPARTMENT OF FISH AND GAME SIGNIFICANT NATURAL AREAS

#### State of California

#### California Department of Fish and Game Lands and Natural Areas Program

#### SIGNIFICANT NATURAL AREAS OF CALIFORNIA 1992 SUMMARY

#### INTRODUCTION

#### I. Purpose

This <u>1992</u> <u>Summary</u> is the second in a series of periodically updated reports describing many of the most Significant<sup>1</sup> Natural Areas (SNAs) in California. It summarizes information from a computerized inventory of natural areas developed by the California Department of Fish and Game's (CDFG) Lands and Natural Areas Program.

This series of reports has two important goals. First, it is designed to raise awareness among developers, planners, conservationists and others about the presence of SNAs in their local area. Many important natural areas have been lost in the past more through ignorance than by intentional abuse. Such sites can be assured increased protection when concerned individuals become aware of their location and significance. Experience has demonstrated that public agencies and private developers alike will adjust their plans to avoid environmental impacts if they are convinced there is a good reason to do so, if they haven't already invested too much time or money in planning, and if the success of the project does not depend on a precise location. Early notice of potential conflicts can avoid hearings and litigation, potentially saving a developer millions of dollars and years of delay.

The second important goal of this report series is to initiate a dialogue among public and private organizations about the identification and long-term protection of the most important elements of California's natural diversity. Such a dialogue is important because of the rapid rate of change in the California landscape due to man's activities. To stay abreast of these changes, a cooperative effort among all interested individuals and organizations is needed to continually refine and update information about important natural areas.

By presenting an updated summary of SNAs, this report may encourage conservationists to take action in securing or

<sup>&</sup>lt;sup>1</sup> The use of the word "significant" in this context should not be confused with its meaning as defined in the California Environmental Quality Act (CEQA).

improving long-term protection for SNAs. Such protection is best recognized as a series of layers which are applied over time as appropriate and practical. These layers of protection might be as simple as raising landowner awareness or conducting population surveys for the target species. More complex layers might involve ecological research to determine the management needs of target species or designing an integrated management plan to address all important features of the site. A bibliography lists several references that describe these protection measures in more detail. Readers should be aware, however, that the mere identification of areas listed in this report does not, by itself, change or prevent the change of the use of these areas.

This report is a summary of selected information from the Natural Diversity Data Base which meets the SNA criteria discussed below. It is based only on areas known to date and therefore it does not constitute an <u>exhaustive</u> inventory of all possible SNAs. Newly identified areas may be added to the list in future editions as this information becomes available.

In addition, this report is not intended to provide an inventory of <u>all</u> officially-listed rare, threatened, or endangered species, nor does it intend to list all of the natural areas that CDFG is concerned with. Therefore, because of its focused scope, the information in this report is insufficient for environmental review of development projects. Readers interested in a more complete listing of biologically rare species or natural communities should contact the Natural Diversity Data Base directly.

II. Need For A Comprehensive Inventory of Significant Natural Areas

The Summary of Significant Natural Areas is a response to a need recognized by many people interested in the long-term perpetuation of the state's natural diversity. A brief overview of the development of CDFG's natural areas program will give the reader a better context in which to use this report.

Although California is one of the most biologically diverse regions in North America, much of its natural diversity has been already lost due to human activities. For example, agricultural expansion has eliminated over 90% of the emergent marshland in the Central Valley since 1850. In recent decades the population of the state has been growing rapidly, causing unprecedented losses of natural habitat. Urban expansion between 1979 and 1987 has removed 27% of the few remaining vernal pools in San Diego County (Jones and Stokes 1987).

Many organizations have recognized this loss of diversity and have been actively involved in protecting natural areas for many years. However, they also recognized that no comprehensive

inventory of the State's important biological resources existed to guide natural areas protection efforts. This lack of a statewide inventory and poor communication between organizations had resulted in a rather scattered approach to conservation by the late 1970's. For example, certain high-profile species were receiving inordinate amounts of attention from several public and private groups, while other, more-critically endangered species or habitats were being virtually ignored. In addition, little or no coordination existed between conservation programs. Most programs were individually pursuing their own goals, unaware of duplication of efforts by or potential assistance from other organizations. The result was an inefficient allocation of funding and staffing resources.

In response to this situation, a consortium of sixteen conservation organizations formed in 1978 to propose the development of a statewide natural areas program. By 1979, this proposed program had become administratively established in the California Department of Fish and Game. Two years later it received a firmer, legislative basis by passage of Significant Natural Areas legislation (Assembly Bill 1039).

This legislation requires CDFG to meet five significant goals relating to biological diversity: 1) Develop and maintain a data management system for natural resources; 2) Identify the most significant natural areas of the state; 3) Ensure the recognition of these areas; 4) Seek the long-term protection of these areas; and 5) Provide coordinating services for other public and private conservation organizations interested in protecting natural areas.

To implement this legislation, CDFG has developed two interactive units within the Department's Natural Heritage Division: the Natural Diversity Data Base (NDDB) and the Lands and Natural Areas Program (LNAP). NDDB, essentially a data management system, is now the most comprehensive inventory of California's biological diversity. NDDB continually gathers and updates its information from museum and herbarium collections, biological inventory reports, and fieldnotes of knowledgeable biologists throughout the State. Since NDDB was established, over 20,000 locational records on biologically rare species and natural communities have been computerized.

LNAP is responsible for meeting the remainder of the legislation: identifying and protecting significant natural areas, as well as helping to coordinate protection activities of other conservation organizations.

In 1986, LNAP helped to organize the Interagency Natural Areas Coordinating Committee, currently composed of representatives from 10 major public and private landholding organizations. This committee meets quarterly as a forum for discussing natural areas issues. In conjunction with this Committee, LNAP has developed strict criteria (summarized below) for Significant Natural Areas. Information from NDDB was subsequently analysed to identify sites meeting these criteria. A computerized SNA Inventory has now been developed and provides detailed information on each SNA. Periodical reports will be issued to make this information more accessible to the general public.

#### III. Significant Natural Area Criteria

The Significant Natural Areas Inventory currently identifies sites on the basis of biological values only. Sites containing significant geological or cultural resources have not been addressed because no comprehensive, statewide inventory for these resources, equivalent to the NDDB, is currently available.

A site is recognized as a Significant Natural Area if it meets at least one of the following four criteria. The term "element", as used in this report, refers to all species or natural communities (collectively known as "elements" of natural diversity) inventoried by NDDB:

- 1. <u>Extremely rare</u> type Locations of extremely rare elements. Elements are considered extremely-rare in California if they are either:
  - a. Known from less than 6 viable sites;
  - Represented by less than 1000 individuals; or
  - c. Restricted to less than 2000 acres of habitat.
- Ensemble type Locations where 3 or more elements occur together. Elements are inventoried by NDDB if they are either:
  - a. Known from less than 100 viable sites;
  - b. Represented by less that 10,000 individuals; or
  - c. Restricted to less than 50,000 acres of habitat.
- 3. <u>Best Example</u> type Locations of the best examples known for natural communities or NDDB-inventoried species. These locations, in general, should be in relatively pristine and undisturbed condition. In some cases, however, no pristine examples may remain for a particular species or community. In such a case, the best remaining examples, despite their disturbed nature, are included.

4. <u>High-diversity</u> type - Centers of high species diversity. A more detailed definition will be provided in the future. No sites of this type are included in the 1992 report.

This report lists SNAs irrespective of their level of protection. It includes well-protected sites as well as poorly protected, highly threatened sites. Sites are not listed in order of protection priority.

The approximate limits of each listed SNA are based on the known distribution of elements on each site. These limits were also modified by a cursory analysis of other important ecological factors such as local topography and the extent of local urbanization or other human disturbance. Detailed site boundaries require on-site evaluation by qualified biologists.

#### IV. Organization of Report

This report list SNAs alphabetically by county. In each county section, sites are plotted on maps and described by text. The text portion lists sites consecutively by site number, this number also appearing on the county maps. Figure 1 is a key to the entries for each site. Following each county's listing is an Ownership/Quad Index which identifies the owners/managers of the land each site is on as well as the 7.5" USGS quadrangle(s) the site is on.

#### V. Additional Site Information

The 1992 Summary is a brief summary of information from the computerized Significant Natural Areas Inventory. A more detailed report for each site is available upon request.

VI. Relationship to Other Natural Area Inventories

This report differs from previous natural areas inventories in that it is the first to use a statewide analysis of biologically rare species and natural communities. SNAs often overlap with sites identified in these other inventories and are cross-referenced by the following codes:

- **CNACC** California Natural Areas Coordinating Council (CNACC) Inventory of Natural Areas
  - **DPR** California Department of Parks and Recreation's Landscape Preservation Study
  - NNL National Park Service's National Natural Landmarks Program
- **USFWS** U.S. Fish and Wildlife Service's "California's Important Fish and Wildlife Habitat: An Inventory"

#### VIII. Feedback Encouraged

Information regarding natural areas is frequently subject to change. Some sites are irreversibly lost when habitats are modified by land-use changes. New sites are occasionally discovered by fieldwork in new locations. To keep up with these often rapid changes, LNAP needs your assistance in updating the Significant Natural Areas Inventory. Please help us maintain an up-to-date source of information on SNAs by advising LNAP of errors, omissions, and land use changes. Field reports concerning the loss or new discovery of important species, changes in ownership or protective status, and identification of new sites is especially valuable. Please use the comment form at the back of this report.

#### BIBLIOGRAPHY

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- Jones and Stokes Associates. 1987. Sliding Toward Extinction: The State of California's Natural Heritage, 1987. Prepared at the Request of the California Senate Committee on Natural Resources and Wildlife. Commissioned by the California Nature Conservancy, San Francisco.
- Stover, Emily. 1975. (editor) Protecting Nature's Estate: Techniques for Saving Land. USDI Heritage Conservation and Recreation Service.

#### FISH AND GAME CODE

#### CHAPTER 12. SIGNIFICANT NATURAL AREAS

#### Section 1930. Declaration of findings.

The Legislature finds and declares that:

(a) Areas containing diverse ecological and geological characteristics are vital to the continual health and well-being of the State's natural resources and of its citizens.

(b) Many habitats and ecosystems that constitute the State's natural diversity are in danger of being lost.

(c) There is insufficient incentive for private landowners to maintain and perpetuate significant local natural areas in their natural state.

(d) Efforts to preserve natural areas have been fragmented between Federal, State, local, and private sectors.

Section 1931. Further declarations, etc.

The Legislature further finds and declares that it is the policy of the State to encourage the cooperation of Federal, State, local and private sectors, including private organizations and individuals, in efforts to maintain the State's most significant natural areas.

Section 1932. Natural areas program.

There is hereby established the Significant Natural Areas Program which shall be administered by the Department. The Department, in administering this program, shall do all of the following:

(a) Obtain access to the most recent information with respect to natural resources. In order to accomplish this, the Department shall maintain, expand, and keep current a data management system, designated the <u>California Natural Diversity Data Base</u>, designed to document information on these resources. Such data shall be made available to interested parties on request.

(b) Ensure cost-sharing by all who use the data management system.

(c) <u>Ensure recognition</u> of the State's most significant natural areas. The Department shall, after consultation with Federal, State, and local agencies, education institutions, civic and public interest organizations, private organizations, landowners, and other private individuals, identify <u>by means of periodic reports</u> those natural areas deemed to be most significant.

(d) <u>Seek the maintenance and perpetuation</u> of the State's most significant natural areas for present and future generations in the most feasible manner. The Department shall consider alternative approaches for such maintenance, including alternatives to fee acquisition such as incentives, leasing, and dedication.

(e) Reduce unnecessary duplication of effort. The Department shall provide coordinating services to Federal, State, local, and private interests wishing to aid in the maintenance and perpetuation of significant natural areas.

#### Section 1933. Identified area-use.

No authority or responsibility provided for in this chapter shall, of itself, change or prevent the change of the use of any area identified pursuant to the Significant Natural Areas Program.

# FIGURE 1

# **KEY TO SITE ENTRIES**



- Site Code-Assigned by LNAP. The code is the unique identifier for the site. The first three letters are an abbreviation of the county name. The three digit number refers to numbered locations on the attached county map(s).
- 2) Site Name-Derived from a notable geographical feature near the site. Each site is given a unique name
- 3) Acreage-Derived by GIS to approximate the acreage of site.
- 4) Total # of Elements-indicates number of different elements on the site. Sites with 3 or more elements present qualify as ensembles.
- 5) Extremely Rare Elements-Number of extremely rare elements on site.
- 6) Best Example Elements-Number of best examples of an element on site.
- (BX)-Identifies element(s) which qualifies the site under the Best Example criteria
- (8) (XR)-identifies the element(s) which qualifies the site under the Extremely Rare criteria

- 9) Common name of element
- Scientific name of element
- 11) Number of occurrences of that element
- 12) Status-Indicates the officially listed status of each element described under state and federal guidelines Federal
  - FE Federally-listed Endangered
  - FT Federally-listed Threatened
  - FPE Federally-proposed Endangered
  - FPT Federally-proposed Threatened
  - Cat 1 Category 1 Candidate for listing
  - Cat 2 (R)- Category 2 Candidate for listing
  - Cat 3 (A.B.C) Category 3 Candidate for listing
  - State
    - SE State-listed Endangered
    - ST State-listed Threatened
    - SR State-listed Rare
    - SC State Candidate for listing
- (13) Appendix-U.S.G.S. Quadrangle and Ownership information listed by site.

## IMPERIAL COUNTY (WESTERN HALF) CALIFORNIA DEPARTMENT OF FISH AND GAME LANDS AND NATURAL AREAS PROGRAM SIGNIFICANT NATURAL AREAS OF CALIFORNIA



MILES



Note: This map shows the location of Significant Natural Areas only. It is not intended to map the location of all officially listed Rare, Threatened or Endangered species, nor does it map all of the natural areas that CDFG is concerned with.

## IMPERIAL COUNTY (EASTERN HALF) CALIFORNIA DEPARTMENT OF FISH AND GAME

## LANDS AND NATURAL AREAS PROGRAM SIGNIFICANT NATURAL AREAS OF CALIFORNIA



IMPERIAL COUNTY

(EASTERN HALF)

Note: This map shows the location of Significant Natural Areas only. It is not intended to map the location of all officially listed Rare, Threatened or Endangered species, nor does it map all of the natural areas that CDFG is concerned with.

#### CALIFORNIA DEPARTMENT OF FISH AND GAME LANDS AND NATURAL AREAS PROGRAM

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#### SIGNIFICANT NATURAL AREAS OF CALIFORNIA 1992 ANNUAL SUMMARY

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Contact NDDB at (916) 324-2493 for additional information about other locations of rare species or natural communities in this county

#### IMPERIAL COUNTY

IMP-001			al # of Elements=6
	bastian Marsh		ly Rare Elements=2
Acr	eage (approx.) = 10400	Best	Example Elements=1
	Element Summary	<u>Occurrences</u>	<u>Status: Fed/Cal</u>
(XR)(BX)	DESERT PUPFISH (Cyprinodon macularius)	(1)	FE/SE
	(Cyprinceon macularias) FLAT TAILED HORNED LIZARD (Phrynosoma mcallii)	(2)	Cat 1/None
	(TRANSMONTANE ALKALI MARSH (Transmontane alkali marsh)	(1)	None/None
(XR)	WIGGINS' CHOLLA (Opuntia wigginsii)	(1)	Cat 2/None
	(Opuncia wigginsii) PEIRSON'S MILK VETCH (Astragalus magdalenae var peirsonii)	(2)	Cat 2/SE
	(Astragalus magdalenae var perisonir) THURBER'S PILOSTYLES (Pilostyles thurberi)	(1)	Cat 3C/None
IMP-002			al # of Elements=1
Plank Acr	Road eage (approx.) = 3600		ly Rare Elements=1 Example Elements=0
	Element Summary	<u>Occurrences</u>	Status: Fed/Cal
( XR )	ALGODONES DUNES SUNFLOWER (Helianthus niveus ssp tephrodes)	(1)	Cat 2/SE
IMP-004		Tot	al # of Elements=4
Yuma T	est Station	Extreme	ly Rare Elements=4
Acr	eage (approx.) = 15500	Best	Example Elements=0
	Element Summary	<u>Occurrences</u>	Status: Fed/Cal
(XR)	YUMA CLAPPER RAIL (Rallus longirostris yumanensis)	(2)	FE/ST
(XR)	WESTERN YELLOW BILLED CUCKOO (Coccyzus americanus occidentalis)	(2)	Cat 3B/SE
(XR)	ARIZONA BELLS VIREO (Vireo bellii arizonae)	(1)	Cat 3C/SE
(XR)	SONORAN COTTONWOOD WILLOW RIPARIAN FOREST (Sonoran cottonwood willow riparian fore	(1) st)	None/None
IMP-005			al # of Elements=5
	<b>Dunes</b> ceage (approx.) = 8900		ely Rare Elements=1 Example Elements=0
	Element_Summary	<u>Occurrences</u>	Status: Fed/Cal
	FLAT TAILED HORNED LIZARD (Phrynosoma mcallii)	(4)	Cat 1/None
	\ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		

10/16/92

•	HARDYS DUNE BEETLE (Anomala hardyorum)	(1)	None/None
	ANDREWS DUNE SCARAB BEETLE	(1)	Cat 2/None
	(Pseudocotalpa andrewsi) GIANT SPANISH-NEEDLE (Palafoxia arida var gigantea)	(1)	Cat 3C/None
(XR)	(Falaloxia alida var gigantea) WIGGIN'S CROTON (Croton wigginsii)	(1)	Cat 3C/SR

IMP-006		Tota	al # of Elements=9
Pica	cho		y Rare Elements=5
A	creage (approx.) = 2400		Example Elements=0
	Element Summary	<u>Occurrences</u>	Status: Fed/Cal
(XR)	YUMA CLAPPER RAIL	(1)	FE/ST
(XR)	(Rallus longirostris yumanensis) WESTERN YELLOW BILLED CUCKOO	(1)	Cat 3B/SE
(XR)	(Coccyzus americanus occidentalis) GILA WOODPECKER	(2)	None/SE
(XR)	(Melanerpes uropygialis) BROWN CRESTED FLYCATCHER	(1)	None/None
	(Myiarchus tyrannulus) BLACK-TAILED GNATCATCHER	(1)	None/None
	(Polioptila melanura) CRISSAL THRASHER	(1)	None/None
	(Toxostoma dorsale) YELLOW BREASTED CHAT (Icteria virens)	(1)	None/None
	SUMMER TANAGER (Piranga rubra)	(1)	None/None
(XR)	(IIIANGA IUDIA) SONORAN COTTONWOOD WILLOW RIPARIAN FOREST (Sonoran cottonwood willow riparian forest	(1)	None/None

IMP	-0	0	7

	Sand Hills creage (approx.) = 2700	Extremely H	<pre># of Elements=4 Rare Elements=1 mple Elements=0</pre>
	Element Summary	Occurrences S	Status: Fed/Cal
(XR)	CALIFORNIA BLACK RAIL (Laterallus jamaicensis coturniculus)	(1)	Cat 1/ST
	CARLSONS DUNE BEETLE (Anomala carlsoní)	(2)	None/None
	HARDYS DUNE BEETLE	(2)	None/None

(Anomala hardyorum) ANDREWS DUNE SCARAB BEETLE (Pseudocotalpa andrewsi)

#### IMP-009

## Cactus Southwest Dunes Acreage (approx.) = 500Element Summary

CARLSONS DUNE BEETLE (Anomala carlsoni) HARDYS DUNE BEETLE (Anomala hardyorum) ANDREWS DUNE SCARAB BEETLE (Pseudocotalpa andrewsi)

Total # of Elements=3 Extremely Rare Elements=0 Best Example Elements=0

Cat 2/None

<u>Occurrences</u>	<u>Status: Fed/Cal</u>
(1)	None/None

(1) None/None (1) Cat 2/None

(3)

	<b>Riverbend</b> creage (approx.) = 4600	Extremel	al # of Elements=3 Ly Rare Elements=3 Example Elements=0
	Element Summary	Occurrences	Status: Fed/Cal
(XR)	YUMA CLAPPER RAIL (Rallus longirostris yumanensis)	(1)	FE/ST
(XR)	(RAIIUS IONGIIOSEIIS YUMANENSIS) WESTERN YELLOW BILLED CUCKOO (Coccyzus americanus occidentalis)	(2)	Cat 3B/SE
(XR)	(COCCYZUS AMERICANUS OCCIDENTALIS) SONORAN COTTONWOOD WILLOW RIPARIAN FOREST (Sonoran cottonwood willow riparian fore)	(1) st)	None/None
MP-012			al # of Elements=8
	Riverbend reage (approx.) = 1000		ly Rare Elements=5 Example Elements=0
	Element Summary	Occurrences	Status: Fed/Ca
	GREAT BLUE HERON (Ardea herodias)	(2)	None/None
(XR)	CALIFORNIA BLACK RAIL (Laterallus jamaicensis coturniculus)	(1)	Cat 1/ST
(XR)	WESTERN YELLOW BILLED CUCKOO (Coccyzus americanus occidentalis)	(1)	Cat 3B/SE
(XR)	GILA WOODPECKER (Melanerpes uropygialis)	(1)	None/SE
(XR)	BROWN CRESTED FLYCATCHER (Myiarchus tyrannulus)	(1)	None/None
	CRISSAL THRASHER (Toxostoma dorsale)	(1)	None/None
	YELLOW BREASTED CHAT (Icteria virens)	(1)	None/None
(XR)	SONORAN COTTONWOOD WILLOW RIPARIAN FOREST (Sonoran cottonwood willow riparian fore		None/None
MP-013		Tot	al # of Elements=:
	rial Dam Site reage (approx.) = 1600		ly Rare Elements=: Example Elements=(
	Element Summary	Occurrences	Status: Fed/Ca
(XR)	RAZORBACK SUCKER (Xyrauchen texanus)	(1)	FPE/SE
-	uson Lake reage (approx.) = 10500	Extreme	al # of Elements=" ly Rare Elements=5 Example Elements=6
	Element Summary	Occurrences	<u>Status: Fed/Ca</u>
(XR)	CALIFORNIA BLACK RAIL	(1)	Cat 1/ST
(XR)	<i>(Laterallus jamaicensis coturniculus)</i> WESTERN YELLOW BILLED CUCKOO	(1)	Cat 3B/SE
(XR)	(Coccyzus americanus occidentalis) GILA WOODPECKER	(1)	None/SE
(XR)	(Melanerpes uropygialis) BROWN CRESTED FLYCATCHER	(1)	None/None
	(Myiarchus tyrannulus)		5 <b>4</b> / 5 <b>4</b>
	CRISSAL THRASHER (Toxostoma dorsale)	(1)	None/None

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<sup>(</sup>See Appendix for Quad and Ownership information)

(XR) SONORAN COTTONWOOD WILLOW RIPARIAN FOREST (2) (Sonoran cottonwood willow riparian forest) None/None

IMP-015			al # of Elements=1
	h of Senator Wash		ly Rare Elements=1
A	creage (approx.) = 2500	Best	Example Elements=0
	Element Summary	Occurrences	Status: Fed/Cal
(XR)	RAZORBACK SUCKER	(1)	FPE/SE
()	(Xyrauchen texanus)	<b>、</b> - <i>i</i>	,
IMP-017		Tot	al # of Elements=5
In-k	o-pah Gorge/Pinto Drainage	Extreme	ly Rare Elements=2
A	creage (approx.) = 13900	Best	Example Elements=0
	Element Summary	<u>Occurrences</u>	Status: Fed/Cal
(XR)	PENINSULAR BIGHORN SHEEP (Ovis canadensis cremnobates)	(1)	Cat 2/ST
(XR)	SENSITIVE INFORMATION-Special Animal	(3)	Cat 2/ST
· · /	DESERT FAN PALM OASIS WOODLAND	(2)	None/None
	(Desert fan palm oasis woodland)		
	ELEPHANT TREE (Bursera microphylla)	(1)	None/None
	MOUNTAIN SPRINGS BUSH LUPINE	(1)	Cat 2/None
	(Lupinus excubitus var medius)		
IMP-018			al # of Elements=3
	or and Adobe Lakes		ly Rare Elements=2
A	creage (approx.) = 3500	Best	Example Elements=(
	Element Summary	Occurrences	Status: Fed/Cal
(XR)	WESTERN YELLOW BILLED CUCKOO	(1)	Cat 3B/SE
	<i>(Coccyzus americanus occidentalis)</i> YELLOW BREASTED CHAT	(1)	None/None
	(Icteria virens)	( /	none, none
(XR)	SONORAN COTTONWOOD WILLOW RIPARIAN FOREST	(1)	None/None
	(Sonoran cottonwood willow riparian fores	st)	
IMP-019			al # of Elements=2
Drap			ly Rare Elements=2
A	creage (approx.) = 4100	Best	Example Elements=0
	Element Summary	Occurrences	Status: Fed/Cal
(XR)	YUMA CLAPPER RAIL	(1)	FE/ST
	YUMA CLAPPER RAIL (Rallus longirostris yumanensis)		
(XR) (XR)	YUMA CLAPPER RAIL	(1) (1)	FE/ST Cat 3B/SE
(XR)	YUMA CLAPPER RAIL (Rallus longirostris yumanensis) WESTERN YELLOW BILLED CUCKOO (Coccyzus americanus occidentalis)	(1)	Cat 3B/SE
	YUMA CLAPPER RAIL (Rallus longirostris yumanensis) WESTERN YELLOW BILLED CUCKOO (Coccyzus americanus occidentalis)	(1) Tot	
(XR) IMP-020 Cibo	YUMA CLAPPER RAIL (Rallus longirostris yumanensis) WESTERN YELLOW BILLED CUCKOO (Coccyzus americanus occidentalis)	(1) Tot Extreme	Cat 3B/SE al # of Elements=8 ly Rare Elements=6
(XR) IMP-020 Cibo	YUMA CLAPPER RAIL (Rallus longirostris yumanensis) WESTERN YELLOW BILLED CUCKOO (Coccyzus americanus occidentalis)	(1) Tot Extreme	Cat 3B/SE al # of Elements=8 aly Rare Elements=6 Example Elements=0
(XR) IMP-020 Cibo	YUMA CLAPPER RAIL (Rallus longirostris yumanensis) WESTERN YELLOW BILLED CUCKOO (Coccyzus americanus occidentalis) la creage (approx.) = 12000 <u>Element Summary</u> YUMA CLAPPER RAIL	(1) Tot Extreme Best	Cat 3B/SE al # of Elements=8 aly Rare Elements=6 Example Elements=0
(XR) IMP-020 Cibo A (XR)	YUMA CLAPPER RAIL (Rallus longirostris yumanensis) WESTERN YELLOW BILLED CUCKOO (Coccyzus americanus occidentalis) la creage (approx.) = 12000 <u>Element Summary</u> YUMA CLAPPER RAIL (Rallus longirostris yumanensis)	(1) Tot Extreme Best <u>Occurrences</u> (3)	Cat 3B/SE al # of Elements=8 ely Rare Elements=6 Example Elements=0 <u>Status: Fed/Cal</u> FE/ST
(XR) IMP-020 Cibo A	YUMA CLAPPER RAIL (Rallus longirostris yumanensis) WESTERN YELLOW BILLED CUCKOO (Coccyzus americanus occidentalis) la creage (approx.) = 12000 <u>Element Summary</u> YUMA CLAPPER RAIL (Rallus longirostris yumanensis) WESTERN YELLOW BILLED CUCKOO	(1) Tot Extreme Best <u>Occurrences</u>	Cat 3B/SE al # of Elements=8 ely Rare Elements=6 Example Elements=0 Status: Fed/Cal
(XR) IMP-020 Cibo A (XR)	YUMA CLAPPER RAIL (Rallus longirostris yumanensis) WESTERN YELLOW BILLED CUCKOO (Coccyzus americanus occidentalis) la creage (approx.) = 12000 <u>Element Summary</u> YUMA CLAPPER RAIL (Rallus longirostris yumanensis)	(1) Tot Extreme Best <u>Occurrences</u> (3)	Cat 3B/SE al # of Elements=8 ely Rare Elements=6 Example Elements=0 <u>Status: Fed/Cal</u> FE/ST

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(See Appendix for Quad and Ownership information)

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IMP-4

(Melanerpes uropydialis)(XR)BROWN CRESTED FLYCATCHER(1)None/None(Myiarchus tyrannulus)(2)None/None(Toxostoma dorsale)(1)None/None(Icteria virens)(1)None/None(IRP-022Total ≠ of Elements=1Camp DunlopElement summaryAcreage (approx.) = 3400Est tremely Rare Elements=0Element SummaryOccurrencesStatus: Fed/Cal(1)(XR)RAZORBACK SUCKER(XR)RAZORBACK SUCKER(XR)RAZORBACK SUCKER(XR)RAZORBACK SUCKER(1)FPE/SE(XR)RAZORBACK SUCKER(1)FPE/SE(XR)RAZORBACK SUCKER(1)FPE/SE(XR)RAZORBACK SUCKER(1)FPE/SE(XR)Generation for the stanus)IMP-023Total ≠ of Elements=1Acreage (approx.) = 5200Est tremely Rare Elements=1Acreage (approx.) = 5200Est tremely Rare Elements=1(XR)YUMA CLAPPER RAIL(1)(Rallus longirostris yumanensis)(2)None/None(Icteria virens)Total ≠ of Elements=1Ross CornerTotal ≠ of Elements=1Acreage (approx.) = 500Best Example Elements=0Element SummaryOccurrencesStatus: Fed/CalIMP-025Total ≠ of Elements=1Roreage (approx.) = 500Best Example Elements=0Element SummaryOccurrencesStatus: Fed/CalElement SummaryOccurrencesStatus: Fed/Ca
CRISSAL THRASHER       (2)       None/None         (TOXOSTOMA dorsale)       (1)       None/None         (ICteria virens)       (1)       None/None         (XR)       RAZORBACK SUCKER       (1)       FPE/SE         (XR)       YUMA CLAPPER RAIL       (1)       FE/ST         (XR)       YUMA CLAPPER RAIL       (1)       FE/ST         (XR)       YUMA CLAPPER RAIL       (1)       FE/ST         (XR)       YUMA CLAPPER RAIL       (2)       None/None         (Icteria virens)       (2)
YELLOW BREASTED CHAT(1)None/None(Icteria virens)(I)FPE/SE(XR)RAZORBACK SUCKER(1)FPE/SE(XR)Camp DunlopExtremely Rare Elements=1Acreage (approx.) = 3400Best Example Elements=0Element SummaryOccurrencesStatus: Fed/Cal(XR)RAZORBACK SUCKER(1)FPE/SE(XR)RAZORBACK SUCKER(1)FPE/SE(XR)RAZORBACK SUCKER(1)FPE/SE(XR)Careage (approx.) = 5200Total # of Elements=1Acreage (approx.) = 5200Extremely Rare Elements=0Element SummaryOccurrencesStatus: Fed/Cal(XR)YUMA CLAPPER RAIL(1)FE/ST(Rallus longirostris yumanensis)YELLOW BREASTED CHAT(2)None/None(Icteria virens)Total # of Elements=1Ross CornerExtremely Rare Elements=1Acreage (approx.) = 500Total # of Elements=1Best Example Elements=1Extremely Rare Elements=1Ross CornerExtremely Rare Elements=1Acreage (approx.) = 500Extremely Rare Elements=1
(XR)       RAZORBACK SUCKER (Xyrauchen texanus)       (1)       FPE/SE         IMP-022       Total # of Elements=1 Extremely Rare Elements=1 Best Example Elements=0 Dest Example Elements=0         Element Summary       Occurrences       Status: Fed/Cal         (XR)       RAZORBACK SUCKER (Xyrauchen texanus)       (1)       FPE/SE         IMP-023       Total # of Elements=2 (Xyrauchen texanus)       Total # of Elements=2 Extremely Rare Elements=0         Mouth of Julian Wash Acreage (approx.) = 5200       Total # of Elements=2 Extremely Rare Elements=0         Element Summary       Occurrences       Status: Fed/Cal Best Example Elements=0         (XR)       YUMA CLAPPER RAIL (Rallus longirostris yumanensis)       (1)       FE/ST         YUELLOW BREASTED CHAT (Icteria virens)       (2)       None/None         IMP-025 Ross Corner Acreage (approx.) = 500       Total # of Elements=1 Extremely Rare Elements=1 Best Example Elements=1 Dest Example Elements=1
IMP-022Total # of Elements=1Camp DunlopExtremely Rare Elements=1Acreage (approx.) = 3400Best Example Elements=0Element SummaryOccurrences(XR)RAZORBACK SUCKER(1)FPE/SE(Xrauchen texanus)Total # of Elements=2Mouth of Julian WashExtremely Rare Elements=1Acreage (approx.) = 5200Best Example Elements=1Best Example ElementBest Example Elements=1Acreage (approx.) = 5200CocurrencesElement SummaryOccurrences(XR)YUMA CLAPPER RAIL(1)FE/ST(Rallus longirostris yumanensis)(2)YELLOW BREASTED CHAT(2)None/NoneTotal # of Elements=1Acreage (approx.) = 500Total # of Elements=1Extremely Rare Elements=1Acreage (approx.) = 500Total # of Elements=1Acreage (approx.) = 500Extremely Rare Elements=1Acreage (approx.) = 500Total # of Elements=1Acreage (approx.) = 500Total # of Elements=1
Camp DunlopAcreage (approx.) = 3400Extremely Rare Elements=1 Best Example Elements=0Element SummaryOccurrences (Xr)Status: Fed/Cal(XR)RAZORBACK SUCKER (Xyrauchen texanus)(1)FPE/SEIMP-023Total # of Elements=2 Extremely Rare Elements=1 Best Example Elements=0Mouth of Julian Wash Acreage (approx.) = 5200Total # of Elements=2 Extremely Rare Elements=1 Best Example Elements=0Element Summary (XR)Occurrences Element SummaryStatus: Fed/Cal (2)(XR)YUMA CLAPPER RAIL (Rallus longirostris yumanensis) YELLOW BREASTED CHAT (Icteria virens)(1)FE/ST (2)IMP-025 Ross Corner Acreage (approx.) = 500Total # of Elements=1 Extremely Rare Elements=1 Best Example Elements=0
Acreage (approx.) = 3400Best Example Elements=0Element SummaryOccurrencesStatus: Fed/Cal(XR)RAZORBACK SUCKER (Xyrauchen texanus)(1)FPE/SEIMP-023Total # of Elements=2Mouth of Julian Wash Acreage (approx.) = 5200Total # of Elements=1Best Example Elements=0Element SummaryOccurrencesStatus: Fed/Cal(XR)YUMA CLAPPER RAIL (Rallus longirostris yumanensis) YELLOW BREASTED CHAT (Icteria virens)(1)FE/STIMP-025 Ross Corner Acreage (approx.) = 500Total # of Elements=1 Extremely Rare Elements=1 Best Example Elements=0
Element SummaryOccurrencesStatus: Fed/Cal(XR)RAZORBACK SUCXER (Xyrauchen texanus)(1)FPE/SEIMP-023Total # of Elements=2Mouth of Julian Wash Acreage (approx.) = 5200Extremely Rare Elements=1 Best Example Elements=0Element SummaryOccurrences(XR)YUMA CLAPPER RAIL (Rallus longirostris yumanensis) YELLOW BREASTED CHAT (Icteria virens)(1)IMP-025 Ross Corner Acreage (approx.) = 500Total # of Elements=1 Extremely Rare Elements=1 Best Example Elements=0
(XR)RAZORBACK SUCKER (Xyrauchen texanus)(1)FPE/SEIMP-023Total # of Elements=2 Extremely Rare Elements=1 Best Example Elements=0Mouth of Julian Wash Acreage (approx.) = 5200Total # of Elements=2 Extremely Rare Elements=0Element SummaryOccurrences Occurrences(XR)YUMA CLAPPER RAIL (Rallus longirostris yumanensis) YELLOW BREASTED CHAT (Icteria virens)(1)IMP-025 Ross Corner Acreage (approx.) = 500Total # of Elements=1 Extremely Rare Elements=1 Best Example Elements=0
(Xyrauchen texanus)       Total # of Elements=2         Mouth of Julian Wash       Extremely Rare Elements=1         Acreage (approx.) = 5200       Best Example Elements=0         Element Summary       Occurrences         Status: Fed/Cal         (XR)       YUMA CLAPPER RAIL (Rallus longirostris yumanensis)         YELLOW BREASTED CHAT (Icteria virens)       (1)         IMP-025       Total # of Elements=1         Ross Corner Acreage (approx.) = 500       Total # of Elements=1         Best Example Elements=0       Best Example Elements=1
(Xyrauchen texanus)       Total # of Elements=2         Mouth of Julian Wash       Extremely Rare Elements=1         Acreage (approx.) = 5200       Best Example Elements=0         Element Summary       Occurrences         Status: Fed/Cal         (XR)       YUMA CLAPPER RAIL (Rallus longirostris yumanensis)         YELLOW BREASTED CHAT (Icteria virens)       (1)         IMP-025       Total # of Elements=1         Ross Corner Acreage (approx.) = 500       Total # of Elements=1         Best Example Elements=0       Best Example Elements=1
IMP-023Total # of Elements=2Mouth of Julian WashExtremely Rare Elements=1Acreage (approx.) = 5200Best Example Elements=0Element SummaryOccurrencesStatus: Fed/Cal(XR)YUMA CLAPPER RAIL(Rallus longirostris yumanensis)YELLOW BREASTED CHAT(Icteria virens)IMP-025Ross CornerAcreage (approx.) = 500Total # of Elements=1Acreage (approx.) = 500
Mouth of Julian Wash Acreage (approx.) = 5200Extremely Rare Elements=1 Best Example Elements=0Element SummaryOccurrencesStatus: Fed/Cal(XR)YUMA CLAPPER RAIL (Rallus longirostris yumanensis) YELLOW BREASTED CHAT (Icteria virens)(1)FE/ST (2)IMP-025 Ross Corner Acreage (approx.) = 500Total # of Elements=1 Extremely Rare Elements=1 Best Example Elements=0
Acreage (approx.) = 5200Best Example Elements=0Element SummaryOccurrencesStatus: Fed/Cal(XR)YUMA CLAPPER RAIL(1)FE/ST(Rallus longirostris yumanensis) YELLOW BREASTED CHAT (Icteria virens)(2)None/NoneIMP-025 Ross Corner Acreage (approx.) = 500Total # of Elements=1 Extremely Rare Elements=0
Element Summary       Occurrences       Status: Fed/Cal         (XR)       YUMA CLAPPER RAIL (Rallus longirostris yumanensis) YELLOW BREASTED CHAT (Icteria virens)       (1)       FE/ST         IMP-025       (2)       None/None         Ross Corner Acreage (approx.) = 500       Total # of Elements=1 Best Example Elements=0
(XR)       YUMA CLAPPER RAIL (Rallus longirostris yumanensis) YELLOW BREASTED CHAT (Icteria virens)       (1)       FE/ST         IMP-025       (2)       None/None         Ross Corner Acreage (approx.) = 500       Total # of Elements=1 Best Example Elements=0
(Rallus longirostris yumanensis) YELLOW BREASTED CHAT (Icteria virens) (2) None/None (Icteria virens) Total # of Elements=1 Extremely Rare Elements=1 Best Example Elements=0
YELLOW BREASTED CHAT (2) None/None (Icteria virens) IMP-025 Ross Corner Acreage (approx.) = 500 Total # of Elements=1 Extremely Rare Elements=0 Best Example Elements=0
(Icteria virens) IMP-025 Ross Corner Acreage (approx.) = 500 Total # of Elements=1 Extremely Rare Elements=0 Best Example Elements=0
IMP-025Total # of Elements=1Ross CornerExtremely Rare Elements=1Acreage (approx.) = 500Best Example Elements=0
Ross CornerExtremely Rare Elements=1Acreage (approx.) = 500Best Example Elements=0
Acreage (approx.) = 500 Best Example Elements=0
Element Summary Occurrences Status: Fed/Cal
(XR) GILA WOODPECKER (1) None/SE
(Melanerpes uropygialis)
IMP-026 Total # of Elements=1
Superstition Hills Extremely Rare Elements=0
Acreage (approx.) = 500 Best Example Elements=1
Element Summary Occurrences Status: Fed/Cal
(BX) THURBER'S PILOSTYLES (1) Cat 3C/None
(BX) THURBER'S PILOSTYLES (1) Cat 3C/None (Pilostyles thurberi)
(Pilostyles thurberi)
(Pilostyles thurberi) IMP-028 Southern Edge Pilot Knob Mesa Extremely Rare Elements=1
(Pilostyles thurberi) IMP-028 Southern Edge Pilot Knob Mesa Extremely Rare Elements=1
(Pilostyles thurberi) IMP-028 Southern Edge Pilot Knob Mesa Extremely Rare Elements=1
(Pilostyles thurberi) IMP-028 Southern Edge Pilot Knob Mesa Acreage (approx.) = 3300 Element Summary Occurrences Status: Fed/Cal
(Pilostyles thurberi) IMP-028 Southern Edge Pilot Knob Mesa Acreage (approx.) = 3300 Extremely Rare Elements=0 Best Example Elements=0

	ral Imperial Sand Dunes creage (approx.) = 17500	Extreme	al # of Elements=6 ly Rare Elements=2 Example Elements=0
	Element Summary	Occurrences	Status: Fed/Cal
	CARLSONS DUNE BEETLE (Anomala carlsoni)	(4)	None/None
	(Anomala Callsoni) HARDYS DUNE BEETLE (Anomala hardyorum)	(4)	None/None
	ANDREWS DUNE SCARAB BEETLE (Pseudocotalpa andrewsi)	(16)	Cat 2/None
(XR)	ALGODONES DUNES SUNFLOWER (Helianthus niveus ssp tephrodes)	(2)	Cat 2/SE
	GIANT SPANISH-NEEDLE (Palafoxia arida var gigantea)	(1)	Cat 3C/None
(XR)	WIGGIN'S CROTON (Croton wigginsii)	(1)	Cat 3C/SR
IMP-030		Tot	al # of Elements=3
Pilo	<b>t Knob Mesa West</b> creage (approx.) = 1600	Extreme	ly Rare Elements=0 Example Elements=0
	Element Summary	Occurrences	<u>Status: Fed/Cal</u>
	CARLSONS DUNE BEETLE (Anomala carlsoni)	(2)	None/None
	HARDYS DUNE BEETLE (Anomala hardyorum)	(2)	None/None
	ANDREWS DUNE SCARAB BEETLE (Pseudocotalpa andrewsi)	(2)	Cat 2/None
IMP-031	ifixion Thorn Site		al # of Elements=4
	creage (approx.) = 39800		ly Rare Elements=1 Example Elements=1
	Element Summary	Occurrences	Status: Fed/Cal
	FLAT TAILED HORNED LIZARD (Phrynosoma mcallii)	(1)	Cat 1/None
(XR)	BAJA CALIFORNIA IPOMOPSIS (Ipomopsis effusa)	(1)	None/None
	THURBER'S PILOSTYLES (Pilostyles thurberi)	(1)	Cat 3C/None
(BX)	CRUCIFIXION THORN (Castela emoryi)	(1)	None/None
	CRUCIFIXION THORN (Castela emoryi)	(1)	None/None
IMP-032		<b>m</b> - 1	al # of Elements=3
East	<b>of Gecko Road</b> creage (approx.) = 7000	Extreme	ly Rare Elements=3 Example Elements=0
	Element Summary	Occurrences	<u>Status: Fed/Cal</u>
(XR)	ALGODONES DUNES SUNFLOWER	(1)	Cat 2/SE
(XR)	(Helianthus niveus ssp tephrodes) WIGGIN'S CROTON (Croton wigginsii)	(1)	Cat 3C/SR
	(CIOCON WIGGINSII) PEIRSON'S MILK VETCH (Astragalus magdalenae var peirsonii)	(1)	Cat 2/SE

10/16/92

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(See Appendix for Quad and Ownership information)

IMP-6

IMP-033	Total # of Elements=1
Gilmores Landing Campground Site	Extremely Rare Elements=1 Best Example Elements=0
Acreage (approx.) = 500	Best Example Elements=0
Element Summary	Occurrences Status: Fed/Cal
(XR) WESTERN YELLOW BILLED CUCKOO (Coccyzus americanus occidentalis	(1) Cat 3B/SE
IMP-034	Total # of Elements=4
Southern Tip Palo Verde Valley	Extremely Rare Elements=3
Acreage (approx.) = 1000	Best Example Elements=0
Acreage (approx.) - 1000	peac prampre prementa-o
Element Summary	Occurrences Status: Fed/Cal
(XR) WESTERN YELLOW BILLED CUCKOO (Coccyzus americanus occidentali:	(1) Cat 3B/SE
(XR) GILA WOODPECKER (Melanerpes uropygialis)	(2) None/SE
(XR) BROWN CRESTED FLYCATCHER (Myiarchus tyrannulus)	(1) None/None
YELLOW BREASTED CHAT (Icteria virens)	(1) None/None
IMP-035	Total # of Elements=1
38th Street Park	Extremely Rare Elements=1
Acreage (approx.) = 500	Best Example Elements=0
Element_Summary	Occurrences Status: Fed/Cal
(XR) WESTERN YELLOW BILLED CUCKOO	(1) Cat 3B/SE
(Coccyzus americanus occidentali.	s)
(P-036	Total # of Elements=1
Glamis Buttes	Extremely Rare Elements=1
Acreage (approx.) = 3400	Best Example Elements=0
Actedye (approx.) - 9400	
Element Summary	Occurrences Status: Fed/Cal
(XR) MUNZ'S CACTUS	(1) Cat 2/None
(Opuntia munzii)	
(openeze menzzz)	
IMP-037	Total # of Elements=3
Acolita Sand Hills	Extremely Rare Elements=0
Acreage (approx.) = 10600	Best Example Elements=0
erananda (whereare) yaaaa	
Element Summary	Occurrences Status: Fed/Cal
CARLSONS DUNE BEETLE (Anomala carlsoni)	(4) None/None
(Anomala hardyorum)	(2) None/None
ANDREWS DUNE SCARAB BEETLE (Pseudocotalpa andrewsi)	(2) Cat 2/None
(r serecceathe andrewst)	
IMP-038	Total # of Elements=4
Chocolate Mountains	Extremely Rare Elements=1
Acreage (approx.) = 220800	Best Example Elements=0
Element Summary	Occurrences Status: Fed/Cal
BLACK-TAILED GNATCATCHER (Polioptila melanura)	(1) None/None

(See Appendix for Quad and Ownership information)

	LE CONTES THRASHER		(1)	None/None
	(Toxostoma lecontei)			· · · · · ·
(XR)	MUNZ'S CACTUS (Opuntia munzii)		(1)	Cat 2/None
	CROWN-OF-THORNS		(6)	None/None
	(Koeberlinia spinosa	)		
IMP-039	чанан жануу каларыктан жануу байлан кака жана байтар каларыктар каларыктар каларыктар калары жана калары жана к		Total	# of Elements=2
Mout	h of New River			Rare Elements=2
A	creage (approx.) = 6700			ample Elements=0
	Element Summary		Occurrences	Status: Fed/Cal
(XR)	YUMA CLAPPER RAIL		(1)	FE/ST
(	(Rallus longirostris	yumanensis)	•	
(XR)	BLACK SKIMMER		(1)	None/None
	(Rynchops niger)			
IMP-040		n de sen de la construction de la c	Total	# of Elements=2
	ıga Sand Hills		Extremely	Rare Elements=1
Ac	creage (approx.) = 3700		Best Ex	ample Elements=0
-	Element Summary		<u>Occurrences</u>	Status: Fed/Cal
(XR)	WIGGIN'S CROTON	14 m	(1)	Cat 3C/SR
	(Croton wigginsii)			·
	PEIRSON'S MILK VETCH		(1)	Cat 2/SE
	(Astragalus magdalena	ae var peirsonii)		
IMP-041			Total	# of Elements=2
	et Island/East Shore			Rare Elements=2
Ac	creage (approx.) = 7900		Best Ex	ample Elements=0
	Element Summary		Occurrences	Status: Fed/Cal
(XR)	YUMA CLAPPER RAIL		(2)	FE/ST
	(Rallus longirostris	yumanensis)		
(XR)	BLACK SKIMMER (Rynchops niger)		(1)	None/None
	(,			
IMP-043			Total	# of Elements=2
	Verde			Rare Elements=2
Ac	creage (approx.) = 2200		Best Ex	ample Elements=0
	Element Summary		Occurrences	Status: Fed/Cal
(XR)	YUMA CLAPPER RAIL		(1)	FE/ST
/ *****	(Rallus longirostris	yumanensis)		
(XR)	WIGGINS' CHOLLA		(1)	Cat 2/None
	(Opuntia wigginsii)			
IMP-044			Total	<pre># of Elements=1</pre>
	.zo Wash			Rare Elements=1
Ac	reage (approx.) = 500		Best Ex	ample Elements=0
	Element Summary		Occurrences	Status: Fed/Cal
(XR)	SONORAN COTTONWOOD WII (Sonoran cottonwood w		(1) ;;	None/None

IMP-045		<pre># of Elements=1</pre>
All American Canal	Extremely Rare Elements=1	
Acreage (approx.) = 12700	Best Ex	ample Elements=0
Element Summary	Occurrences	Status: Fed/Cal
(XR) YUMA CLAPPER RAIL (Rallus longirostris yumanensis)	(2)	FE/ST
IMP-046	Total # of Elements=1	
Ramer & Finney Lakes	Extremely	Rare Elements=1
Acreage (approx.) = 3400	Best Ex	ample Elements=0
Element Summary	<u>Occurrences</u>	Status: Fed/Cal
(XR) YUMA CLAPPER RAIL	(1)	FE/ST
(Rallus longirostris yumanensis)		
IMP-047	Total	. # of Elements=1
Holtville Drain	Extremely	Rare Elements=1
Acreage (approx.) = 500	Best Ex	ample Elements=0
Element Summary	Occurrences	Status: Fed/Cal
(XR) YUMA CLAPPER RAIL	(1)	FE/ST
(Rallus longirostris yumanensis)	(-)	/
IMP-048		. # of Elements=1
East Mesa Imperial Sand Dunes	Extremely Rare Elements=1	
Acreage (approx.) = 500	Best Ex	ample Elements=0
Element Summary	<u>Occurrences</u>	Status: Fed/Cal
XR) SAND FOOD	(1)	Cat 2/None
(Pholisma sonorae)	( = )	
IMP-049		# of Elements=1
Painted Gorge		Rare Elements=1
Acreage Unknown	Best Ex	cample Elements=0
Element Summary	Occurrences	Status: Fed/Cal
(XR) SENSITIVE INFORMATION-Special Animal	(1)	Cat 2/ST

LANDS AND NATURAL AREAS PROGRAM

#### SIGNIFICANT NATURAL AREAS OF CALIFORNIA 1992 ANNUAL SUMMARY

OWNERSHIP/LOCATIONAL INFORMATION FOR IMPERIAL COUNTY

<u>Site Number:</u>	Quads:	<u>Owner/Manager:</u>
IMP-001	HARPERS WELL KANE SPRING KANE SPRING NE	PRIVATE BLM-EL CENTRO RA-SAN SEBASTIAN MARSH ACEC/SAN -SEBASTIAN ONA BLM-EL CENTRO RA-SAN SEBASTIAN MARSH ACEC/RNA -ADMIN BY BUREC BLM-EL CENTRO-RA-SAN SEBASTIAN MARSH ACEC
IMP-002	GRAYS WELL	BLM-EL CENTRO RA-PLANK ROAD ACEC
IMP-004	BARD IMPERIAL RESERVOIR LAGUNA DAM	BLM-EL CENTRO RA BIA-FORT YUMA RESERVATION SPEC-IMPERIAL IRRIGATION DIST. BLM-EL CENTRO RA-ADMIN BY BUREC
IMP-005	GRAYS WELL NE Ogilby	BLM-EL CENTRO RA-ADMIN BY BUREC PRIVATE
IMP-006	PICACHO PICACHO SW	DPR-PICACHO SRA USFWS-IMPERIAL NWR
IMP-007	AMOS	BLM-EL CENTRO RA-ADMIN BY BUREC PRIVATE
IMP-009	CACTUS	BLM-EL CENTRO RA-ADMIN BY BUREC
IMP-010	YUMA EAST Yuma west	PRIVATE BLM-EL CENTRO RA-ADMIN BY BUREC BIA-FORT YUMA RESERVATION
IMP-012	BARD	PRIVATE BIA-FORT YUMA RESERVATION BLM-EL CENTRO RA-ADMIN BY BUREC
IMP-013	IMPERIAL RESERVOIR	BLM-EL CENTRO RA-ADMIN BY BUREC
IMP-014	IMPERIAL RESERVOIR LITTLE PICACHO PEAK	USFWS-IMPERIAL NWR BLM-EL CENTRO RA-ADMIN BY BUREC
IMP-015	IMPERIAL RESERVOIR LITTLE PICACHO PEAK	BLM-EL CENTRO RA-ADMIN BY BUREC
IMP-017	IN-KO-PAH GORGE	BLM-EL CENTRO RA PRIVATE
IMP-018	PICACHO SW	DPR-PICACHO SRA USFWS-IMPERIAL NWR
IMP-019	PICACHO NW	USFWS-IMPERIAL NWR BLM-EL CENTRO RA-ADMIN BY BUREC
IMP-020	CIBOLA PICACHO NW	BLM-EL CENTRO RA-ADMIN BY BUREC USFWS-CIBOLA NWR PRIVATE PRIVATE-ADMIN BY BUREC BLM-EL CENTRO RA
IMP-022	IRIS IRIS WASH NILAND WISTER	PRIVATE
IMP-023	PICACHO SW	DFG-COLORADO RIVER FISHING ACCESS BLM-EL CENTRO RA-ADMIN BY BUREC USFWS-IMPERIAL NWR BLM-EL CENTRO RA
IMP-025	BARD	BIA-FORT YUMA RESERVATION BLM-EL CENTRO RA-ADMIN BY BUREC
IMP-026	KANE SPRING	DOD-NAVY-AERIAL GUNNERY RANGE
IMP-028	GRAYS WELL NE	BLM-EL CENTRO RA-ADMIN BY BUREC

IMP-Appendix-1

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<u>Site Number:</u>	Quads:	<u>Owner/Manager:</u>
IMP-029	CACTUS CLYDE GLAMIS GLAMIS SE	BLM-EL CENTRO RA BLM-EL CENTRO RA-ADMIN BY BUREC PRIVATE STATE LANDS COMMISSION
IMP-030	CACTUS	BLM-EL CENTRO RA
IMP-031	COYOTE WELLS	BLM-EL CENTRO RA BLM-EL CENTRO RA-PROT. WITHDRAWAL
IMP-032	GLAMIS NW	BLM-EL CENTRO RA BLM-EL CENTRO RA-ADMIN BY BUREC STATE LANDS COMMISSION PRIVATE
IMP-033	PICACHO NW	PRIVATE
IMP-034	CIBOLA	BLM-EL CENTRO RA-ADMIN BY BUREC PRIVATE USFWS-CIBOLA NWR
IMP-035	PALO VERDE	BLM-EL CENTRO RA-ADMIN BY BUREC
IMP-036	EAST OF ACOLITA	DOD-NAVY-CHOCOLATE MTNS. GUNNERY RANGE PRIVATE
IMP-037	ACOLITA	BLM-EL CENTRO RA-ALGODONES DUNES ONA BLM-EL CENTRO RA-ADMIN BY BUREC PRIVATE
IMP-038	AUGUSTINE PASS BLUE MOUNTAIN CHUCKWALLA SPRING IRIS IRIS PASS IRIS WASH LION HEAD MTN. LITTLE MULE MTS. MAMMOTH WASH MT. BARROW PEGLEG WELL TORTUGA	DOD-NAVY-CHOCOLATE MTNS. GUNNERY RANGE STATE LANDS COMMISSION PRIVATE BLM-EL CENTRO RA
IMP-039	CALIPATRIA SW OBSIDIAN BUTTE	BLM-EL CENTRO RA-WATER RESERVE USFWS-SALTON SEA NWR
IMP-040	TORTUGA	BLM-EL CENTRO RA-ADMIN BY BUREC PRIVATE
IMP-041	NILAND	PRIVATE
IMP-043	IMPERIAL RESERVOIR LITTLE PICACHO PEAK PALO VERDE THUMB PEAK	PRIVATE
IMP-044	PICACHO SW	DPR-PICACHO SRA
IMP-045	MIDWAY WELL NW Bonds corner	BLM-EL CENTRO RA
IMP-046	WESTMORLAND WIEST	PRIVATE DFG USFWS-IMPERIAL WATERFOWL MA
IMP-047	ALAMORIO	PRIVATE
IMP-048	GLAMIS NW	BLM-EL CENTRO RA
IMP-049	N/A	N/A

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