

Areas of coverage	
Connecticut Indian Country	CTR05*##F
Maine	MER05*###
Maine Indian Country	MER05*##F
Massachusetts	MAR05*###
Massachusetts Indian Country	MAR05*##F
New Hampshire	NHR05*###
Rhode Island Indian Country	RIR05*##F
Vermont Federal Facilities	VTR05*##F

Region II

Signed this 21st day of July, 1998.

Kathleen C. Callahan,

*Division of Environmental Planning and
Protection Director.*

Areas of coverage	Permit No.
Puerto Rico	PRR05*###
Federal Facilities	PRR05*##F

Region III

Signed this 6th day of August, 1998.

Thomas J. Maslany,

Water Protection Division Director.

Areas of coverage	Permit No.
District of Columbia	DCR05*###
Federal Facilities	DCR05*##F
Delaware Federal Facilities	DER05*##F

Region IV

Signed this 7th day of July, 1998.

Robert F. McGhee,

Water Management Division Director.

Areas of coverage	Permit No.
Florida	FLR05*###
Indian country	FLR05*##F

Region VI

William B. Hathaway,

Water Quality Protection Division Director.

Areas of coverage	Permit No.
Louisiana Indian country	LAR05*##F
New Mexico	NMR05*###
Indian country (except Navajo and Ute Mountain Reservation lands)	NMR05*##F
Oklahoma:	
Indian country	OKR05*##F
Oil and gas exploration and production related industries and pipeline industries that are regulated by the Oklahoma Corporation Commission.	OKR05*###
Texas	TXR05*###
Indian country	TXR05*##F

Region IX

Signed this 17th day of July, 1998.
John Ong,
Acting Director, Water Division.

Areas of coverage	Permit No.
Arizona	AZR05*###
Indian country	AZR05*###F
Federal Facilities	AZR05*##F
California	
Indian country	CAR05*##F
Guam	GUR05*###
Federal Facilities	GUR05*##F
Idaho	
Duck Valley Reservation	NVR05*##F
Nevada Indian country	NVR05*##F
New Mexico	
Navajo Reservation	AZR05*##F
Oregon	
Fort McDermitt Reservation	NVR05*##F
Utah	
Goshute Reservation	NVR05*##F
Navajo Reservation	AZR05*##F
Johnston Atoll	JAR05*###
Federal Facilities	JAR05*##F
Midway Island and Wake Island	MWR05*###
Federal Facilities	MWR05*###F

Region X

Signed this 26th day of June, 1998.
Philip G. Millam,
Director, Office of Water.

Areas of coverage	Permit No.
Alaska	AKR05*###
Indian country	AKR05*##F
Idaho	IDR05*###
Federal facilities	IDR05*##F
Indian country (except Duck Valley Reservation lands)	IDR05*##F
Oregon Indian country (except for Fort Dermitt Reservation lands)	ORR05*##F
Washington Indian country	WAR05*##F
Washington Federal Facilities	WAR05*##F

Final Modification of the National Pollutant Discharge Elimination System

(NPDES) Storm Water Multi-Sector General Permit for Industrial Activities; Termination of the EPA NPDES Storm Water Baseline Industrial General Permit

For reasons set forth in the Fact Sheet, the Table of Contents, Parts I, II, IV, VI, and XI.A, XI.C, XI.D, XI.E, XI.I, XI.J, XI.L, XI.P, XI.V, XI.X and XI.AA, XII, and Addendum H of the NPDES Storm Water Multi-Sector General Permit (MSGP) are modified as described below. A new Part XI.AD and Addendum I have been added to the MSGP. These modifications and additional requirements will become effective on the date of **Federal Register** publication of the final modifications. For applicant and permittee

convenience, copies of the current NOI and NOT have been included at the end of today's notice.

Notice is also being published of EPA's termination of the NPDES Storm Water Baseline Industrial General Permit, with certain exceptions described below in Part II.A.9, 92 days after the effective date of these MSGP modifications where the Baseline Industrial General Permit is extended in accordance with the provisions of the Administrative Procedure Act (APA).

I. Modification of Permit Table of Contents

Table of Contents (Amended)

The Addenda portion of the MSGP's Table of Contents is amended to include a reference to new Addendum I—Historic Properties Guidance.

NPDES Storm Water Multi-Sector General Permit for Industrial Activities Table of Contents

* * * * *

Addenda

* * * * *

Addendum I—Historic Properties Guidance

II. Modification of Permit Eligibility Language for Protection of Historic Properties

Part I (Amended)

Part I.B.6., National Historic Preservation Act, is amended to include a reference to new Addendum I to the permit which provides guidance and references for applicants to use when determining their facility's eligibility for permit coverage regarding the protection of historic properties and places. Part

I.B.6(ii) is also amended to add the term "Tribal Historic Preservation Officers" to the term "State Historic Preservation Officers" found in the original permit.

Part I. Coverage Under This Permit

B. Eligibility

* * * * *

6. *National Historic Preservation Act.* In order to be eligible for coverage under this permit, the applicant must be in compliance with the National Historic Preservation Act. A discharge of storm water associated with industrial activity may be covered under this permit only if:

(i) The discharge does not affect a property that is listed or is eligible for listing on the National Register of Historic Places as maintained by the Secretary of the Interior; or

(ii) The applicant has obtained and is in compliance with a written agreement between the applicant and the State Historic Preservation Officer (SHPO) or Tribal Historic Preservation Officer (THPO) that outlines all measures to be undertaken by the applicant to mitigate or prevent adverse effect to the historic property.

Addendum I of this permit provides guidance and references to assist applicants with determining their facility's permit eligibility concerning this provision.

III. NOI Submittal Deadline for Facilities Transferring From the Baseline Industrial General Permit

Part II (Amended)

The deadline for NOI submittal for facilities currently covered by the Baseline Industrial General Permit that are being transferred to the MSGP is established by adding Part II.A.9 to the MSGP. Also added is Part II.A.10 which instructs facilities ineligible to transfer to the MSGP because of Endangered Species Act or National Historic Preservation Act requirements to apply for an individual NPDES permit from the appropriate EPA Regional Office.

Part II. Notification Requirements

A. Deadlines for Notification

* * * * *

9. *Facilities Being Transferred to the Multi-Sector General Permit as a Result of the Expiration of the Baseline Industrial General Permit.* Facilities currently covered by the Baseline Industrial General Permit for an existing storm water discharge associated with industrial activity that have not already submitted an NOI in accordance with Part II.A.6 to transfer coverage to the Multi-Sector General Permit, shall do so

on or before 90 days after the effective date of the modification of the Multi-Sector Permit. The requirements of the Baseline Industrial General Permit will continue to apply to facilities transferring permit coverage during this time period where an extension of the Baseline Industrial General Permit has been acquired by the permittee in accordance with the Administrative Procedure Act (APA).

Where an extension of the Baseline Industrial General Permit has been acquired by a permittee under the provisions of the APA, coverage under such extended permit shall terminate in all applicable areas 92 days after the effective date of the modified MSGP with the exception of facilities subject to Part II.A.10 and for facilities located in the following areas: Federal facilities in Colorado; and Indian Country lands located in the States of Colorado (including the portion of the Ute Mountain Reservation located in New Mexico), Montana, North Dakota, South Dakota (including the portion of the Pine Ridge Reservation located in Nebraska), Utah (except for the Goshute and Navajo Reservation lands (see Region 9)), and Wyoming.

10. *Facilities Ineligible for Transfer to the Multi-Sector General Permit from the Baseline Industrial General Permit.* Facilities seeking storm water permit coverage who, after attempting to comply with all eligibility conditions of the permit, are still ineligible for transfer to the Multi-Sector General Permit due to Endangered Species Act requirements, National Historic Preservation Act requirements or other requirements of the permit shall submit an application for an individual NPDES permit to the appropriate EPA Regional Office listed in Part I.A of this permit. These individual permit applications shall be submitted no later than 90 days after the effective date of the modified Multi-Sector General Permit.

IV. Deadlines for Storm Water Pollution Prevention Plan Preparation and Compliance for Facilities Transferring from the Baseline Industrial General Permit

Part IV (Amended)

For facilities transferring to the MSGP as a result of the expiration of the Baseline Industrial General Permit, the deadline for storm water pollution prevention plan preparation and compliance is established in the MSGP by adding Part IV.A.10 as follows:

Part IV. Storm Water Pollution Prevention Plans

A. Deadlines for Plan Preparation and Compliance

* * * * *

10. *Facilities Being Transferred from the Baseline Industrial General Permit to the Multi-Sector General Permit.* Facilities transferring industrial storm water discharge coverage from the Baseline Industrial General Permit to the Multi-Sector General Permit shall revise and begin implementation of their pollution prevention plans to address requirements under Part XI no later than 180 days after the date of modification of the Multi-Sector Permit. For cases where construction is necessary to implement measures required by the plan, a schedule shall be included which provides compliance with the plan as expeditiously as practicable but no later than October 1, 2000.

V. Modification of Monitoring and Reporting Requirements

Part VI (Amended)

Part VI is amended by adding Part VI.D and referencing Part VI.D in Parts VI.A and VI.B as shown below. Also, the reporting addresses have been updated in Part VI.B.1.

Part VI. Monitoring and Reporting Requirements

A. Monitoring Requirements

1. *Limitations on Monitoring Requirements.* a. Except as required by paragraph b., only those facilities with discharges or activities identified in Part VI.C., Part VI.D. and Part XI. are required to conduct sampling of their storm water discharges associated with industrial activity. Monitoring requirements under Parts VI.C., VI.D. and XI. are additive. Facilities with discharges or activities described in more than one monitoring section are subject to all applicable monitoring requirements from each section.

b. The Director can provide written notice to any facility otherwise exempt from the sampling requirements of Parts VI.C., VI.D. and XI. that it shall conduct discharge sampling for a specific monitoring frequency for specific parameters.

B. Reporting: Where To Submit

1. *Location.* Signed copies of discharge monitoring reports required under Parts VI.C., VI.D., and XI., individual permit applications, and all other reports required herein, shall be submitted to the Director of the NPDES program at the address of the

appropriate Regional Office listed below. For each outfall, one Discharge Monitoring Report form must be submitted per storm event sampled.

- a. *CT, MA, ME, NH, RI, VT* EPA, Region I, Office of Ecosystem Protection, Municipal Assistance Unit, JFK Federal Building, Boston, MA 02203
- b. *PR* U.S. Environmental Protection Agency, Caribbean Environmental Protection Division, Centro Europa Building, 1492 Ponce de Leon Avenue, Suite 417, Santurce, Puerto Rico 00907-4127
- c. *DE, DC* EPA, Region III, Water Protection Division (3WP30), 841 Chestnut Building, Philadelphia, PA 19107
- d. *FL* EPA, Region IV, Water Management Division, Surface Water Permits Section (SWPFB), 61 Forsyth St., SW, Atlanta, GA 30303-3104
- e. *NM* (except see *Region IX for Navajo lands*), *TX; LA Indian Country lands; OK Indian Country lands; oil and gas exploration and production related industries, and pipeline operations, which are regulated by the Oklahoma Corporation Commission* EPA, Region VI, Enforcement and Compliance Assurance Division (6EN-WC), EPA SW MSGP, P.O. Box 50625, Dallas, TX 75250
- f. *AZ, CA, NV, Johnson Atoll, Guam, Midway Island, Wake Island, American Samoa, the Commonwealth of Northern Mariana Islands, the Goshute Reservation in UT and NV, the Navajo Reservation in UT, NM, and AZ, the Fort McDermitt Reservation in OR, the Duck Valley Reservation in NV and ID* EPA, Region IX, Water Management Division, (WTR-5), Storm Water Staff, 75 Hawthorne Street, San Francisco, CA 94105
- g. *AK, ID* (except see *Region IX for Duck Valley Reservation lands*), *OR* (except see *Region IX for Fort McDermitt Reservation lands*), *WA* EPA, Region X, Office of Water (OW-130), Storm Water Staff, 1200 Sixth Avenue, Seattle, WA 98101

* * * * *

D. Monitoring Requirements for Dischargers Transferring Permit Coverage to Multi-Sector General Permit as a Result of Expiration of Baseline Industrial General Permit, and Other Dischargers Obtaining Multi-Sector General Permit Coverage After September 30, 1997.

Facilities transferring permit coverage to the Multi-Sector General Permit as a result of the expiration of the Baseline

Industrial General Permit, and other dischargers (i.e., new dischargers; existing dischargers formerly unpermitted under either an individually-drafted NPDES permit or another NPDES general permit; and, dischargers transitioning industrial storm water discharge permit coverage from an individually drafted NPDES permit to the Multi-Sector General Permit) obtaining coverage after September 30, 1997, are required to monitor in accordance with the applicable requirements listed in Part XI. during the 4th year of the Multi-Sector Permit (October 1, 1998–September 30, 1999). Submittal of Discharge Monitoring Report Forms (or certifications) reporting monitoring results are to be postmarked no later than March 31, 2000, and sent to the appropriate EPA Regional Office listed in Part VI.B.

Facilities with discharges subject to numeric effluent limitations that are eligible for coverage (see Part V.B., Part XI.A.4. Part XI.C.5., Part XI.D.4., Part XI.E.4., Part XI.J.4., and Part XI.O.4.) are to monitor and report as required by the permit.

Facilities transitioning from the Baseline Industrial General Permit to the Multi-Sector General Permit may use their two most recent monitoring results, on a parameter-by-parameter, outfall-by-outfall basis which were obtained through Baseline Permit monitoring requirements, to compare with appropriate monitoring cut-off concentrations in order to meet the Multi-Sector's 4th year monitoring requirements mentioned above. This provision is only allowable where such data represents current industrial storm water discharges from a facility. Facilities with discharges subject to the numeric effluent limitations mentioned above cannot use previously generated sampling data and must conduct monitoring for the life of the Multi-Sector General Permit for those discharges.

VI. Modification of Types of Facilities Covered by the MSGP; Inclusion of Effluent Limitations for Wet Deck Storage Areas; and, Addition of New Part XI.A.D.

Part XI (Amended)

1. Parts XI.A.4 and 5 are amended to include technology-based effluent limitations and monitoring requirements for non-storm water discharges from wet deck storage areas as currently authorized under Part XI.A.2.a(2) of the MSGP.

2. Part XI.C.1 is amended by adding subsector "i" which authorizes

discharges from facilities within SIC Code 283. The previous Part XI.C.2 is deleted which had not authorized discharges from SIC code 283 facilities. The previous Part XI.C.1.i is renumbered as Part XI.C.2. Also, clarification is added in Part XI.C.1.h that facilities with SIC code 3952 other than those listed are covered by Part XI.Y.

3. Part XI.D.1.e. is amended to show the appropriate parts of the permit which provide coverage for storm water discharges from petroleum refineries (Part XI.I.), oil recycling facilities (Part XI.N.), and fat and oil rendering facilities (Part XI.U.).

4. Part XI.E.1 is amended to authorize discharges from manufacturers of the following products: glass products made of purchased glass (SIC code 3231); vitreous china plumbing fixtures, and china and earthenware fittings and bathroom accessories (SIC code 3261), lime (SIC code 3274), stone and stone products (SIC code 3281); abrasive products (SIC code 3291); asbestos products (SIC code 3292), mineral wool (SIC code 3296), and nonmetallic mineral products not elsewhere classified (SIC code 3299). Also, the SIC code exclusions in the existing Part XI.E.1 pertaining to SIC codes 3274, 3281, 3291, 3292 and 3296 are deleted.

Part XI.E.5.a. is modified to include the following categories of facilities among those which must conduct analytical monitoring: manufacturers of vitreous china plumbing fixtures, and china and earthen ware fittings and bathroom accessories (SIC code 3261) and lime (3274). The monitoring requirements for SIC code 3261 facilities are found in Table E-1 and the requirements for SIC code 3274 facilities are found in Table E-2.

5. Part XI.I.1.a. is amended to authorize discharges from facilities in SIC code 2911 (petroleum refineries), except for discharges subject to effluent limitations guidelines.

6. Part XI.J.1.a.(1) is amended to authorize mine dewatering discharges composed entirely of storm water or ground water seepage from construction sand and gravel, industrial sand, and crushed stone mining facilities located in EPA Regions I, II and X. Similar revisions are made to Part XI.J.4.a. (Numeric Effluent Limitations) and Part XI.J.5.b. (Monitoring and Reporting Requirements). These discharges were originally authorized in the MSGP from only those facilities located in EPA Region VI and Arizona in EPA Region IX.

7. Parts XI.L.1 and 2 are amended to authorize discharges from open dumps. Similar language changes have been

made in Parts XI.L.3, 4 and 5 to include applicability to open dumps.

8. Part XI.P.1 is amended to authorize discharges from facilities in SIC code 4221-4225 (public warehousing and storage) that do not have vehicle and equipment maintenance shops and/or equipment cleaning operations but have areas (exclusive of access roads and rail lines) where material handling equipment or activities, raw materials, intermediate products, final products, waste materials, by-products or industrial machinery are exposed to storm water.

9. Part XI.V.1 is amended to authorize industrial storm water discharges from facilities in SIC code 31 (except 3111), which covers manufacturers of finished leather and artificial leather products.

10. Part XI.X.1 is amended to clarify that this sector authorizes industrial storm water discharges from all SIC 27 facilities.

11. Part XI.AA.1 is amended to clarify that this sector authorizes industrial storm water discharges from all SIC 34 facilities.

12. Part XI.AD. is added to provide an industrial sector for facilities which meet the definition of storm water associated with industrial activity (40 CFR 122.26(b)(14)) and are required by the Director to obtain permit coverage in accordance with 40 CFR 122.26(a)(1)(v) or 40 CFR 122.26(a)(9) and 122.26.(g)(1)(i), but cannot be classified in another industrial sector of this permit (i.e., Parts XI.A—XI.AC).

13. Part XI.I.3.a.(3)(d) is modified to require only annual inspections (rather than quarterly or semi-annual inspections) of temporarily or permanently inactive oil and gas extraction facilities which are unstaffed and remotely located.

The final revisions of the MSGP listed above in PART XI (AMENDED), items 1 through 13, appear in the modified MSGP as follows:

Part XI. Specific Requirements for Industrial Activities

A. Storm Water Discharges Associated With Industrial Activity From Timber Products Facilities

* * * * *

2. Special Conditions

a. Prohibition of Non-storm Water Discharges.

* * * * *

(2) In addition to the discharges described in part III.A.2., the following non-storm water discharges may be authorized by this permit provided the non-storm water component of the discharge is in compliance with

paragraph XI.A.3.a.(3)(g)(i) (Measures and Controls for Non-storm Water Discharges) and the effluent limitations described in paragraph XI.A.4.a.: Discharges from the spray down of lumber and wood product storage yards where no chemical additives are used in the spray down waters and no chemicals are applied to the wood during storage.

* * * * *

4. *Numeric Effluent Limitations.* In addition to the numeric effluent limitations described in Part V.B, the following limitations shall be met by existing and new dischargers.

a. *Wet Deck Storage Area Runoff.* Non-storm water discharges from areas used for the storage of logs where water, without chemical additives, is intentionally sprayed or deposited on logs to deter decay or infestation by insects are required to meet the following effluent limitations: pH shall be within the range of 6.0-9.0, and there will be no discharge of debris. Chemicals are not allowed to be applied to the stored logs. The term "debris" is defined as woody material such as bark, twigs, branches, heartwood or sapwood that will not pass through a 2.54 cm (1 in.) diameter round opening and is present in the discharge from a wet deck storage area. Dischargers subject to these numeric limitations must be in compliance with these limitations through the duration of permit coverage.

5. Monitoring and Reporting Requirements.

* * * * *

d. *Compliance Monitoring Requirements.* Permittees with log storage area spray water discharges which are covered by this permit must monitor the discharge for the presence of debris and pH at least annually beginning October 1, 1998, and continuing for the duration of permit coverage. Facilities must report in accordance with 5.d.(2) below (reporting). In addition to the parameters listed above, the permittee shall provide an estimate of the total volume (in gallons) of the discharge sampled.

(1) *Sample Type.* A minimum of one grab sample shall be taken. All samples shall be collected from the discharge point of the wet deck storage area and will not be taken during a storm water event. The grab sample shall be taken during the first 30 minutes of the discharge. If the collection of a grab sample during the first 30 minutes is impracticable, a grab sample can be taken during the first hour of the discharge, and the discharger shall submit with the monitoring report a

description of why a grab sample during the first 30 minutes was impracticable.

(2) *Reporting.* Permittees with log storage area spray water discharges shall submit monitoring results, obtained during the reporting period beginning on the effective date of permit modification, on Discharge Monitoring Report Form(s) postmarked no later than November 30 of each year following each annual monitoring period. Signed copies of Discharge Monitoring Reports shall be submitted to the Director of the NPDES program at the address of the appropriate Regional Office indicated in Part VI.B. of this permit. For each outfall, one signed Discharge Monitoring Report form shall be submitted for each sampling event.

(3) *Additional Notification.* In addition to filing copies of discharge monitoring reports in accordance with paragraph (2) (above), permittees with discharges of log storage area spray water through a large or medium municipal separate storm sewer system (systems serving a population of 100,000 or more) must submit signed copies of discharge monitoring reports to the operator of the municipal separate storm sewer system in accordance with the dates provided in paragraph 5.d.(2) (above).

* * * * *

C. Storm Water Discharges Associated With Industrial Activity From Chemical and Allied Products Manufacturing Facilities

1. *Discharges Covered Under This Section.* The requirements listed under this section shall apply to storm water discharges associated with industrial activity from a facility engaged in manufacturing the following products and generally described by the SIC code shown:

* * * * *

h. Ink and paints, including china painting enamels, India ink, drawing ink, platinum paints for burnt wood or leather work, paints for china painting, artists' paints and artists' water colors (SIC 3952, limited to those listed; for others in SIC 3952 not listed above, see Part XI.Y).

i. Medicinal chemicals and pharmaceutical products, including the grading, grinding and milling of botanicals (including SIC 283).

2. *Co-located Industrial Activities.* When an industrial facility, described by the above coverage provisions of this section, has industrial activities being conducted onsite that meet the description(s) of industrial activities in another section(s), that industrial facility shall comply with any and all

applicable monitoring and pollution prevention plan requirements of the other section(s) in addition to all applicable requirements in this section. The monitoring and pollution prevention plan terms and conditions of this multi-sector permit are additive for industrial activities being conducted at the same industrial facility (co-located industrial activities). The operator of the facility shall determine which other monitoring and pollution prevention plan section(s) of this permit (if any) are applicable to the facility.

* * * * *

D. Storm Water Discharges Associated With Industrial Activity From Asphalt Paving and Roofing Materials and Lubricant Manufacturers

1. Discharges Covered Under This Section.

* * * * *

e. Limitations on Coverage. The following storm water discharges associated with industrial activity are not authorized by this section of the permit:

- (1) Storm water discharges from petroleum refining facilities, including those that manufacture asphalt or asphalt products and that are classified as SIC code 2911 (see Part XI.I),
- (2) Storm water discharges from oil recycling facilities (see Part XI.N), and
- (3) Storm water discharges associated with fats and oils rendering (see Part XI.U).

* * * * *

E. Storm Water Discharges Associated With Industrial Activity From Glass, Clay, Cement, Concrete, and Gypsum Product Manufacturing Facilities

1. Discharges Covered Under This Section. The requirements listed under this section shall apply to storm water discharges from the following activities: manufacturing flat, pressed, or blown glass or glass containers; manufacturing hydraulic cement; manufacturing clay products including tile and brick; manufacturing of pottery and porcelain electrical supplies; manufacturing concrete products; manufacturing gypsum products; nonclay refractories; and grinding or otherwise treating minerals and earths. This section generally includes the following types of manufacturing operations: flat glass, (SIC code 3211); glass containers, (SIC code 3221); pressed and blown glass, not elsewhere classified, (SIC code 3229); glass products made of purchased glass (SIC code 3231) where material handling equipment or activities, raw materials, intermediate products, final products, waste materials, by-products,

or industrial machinery are exposed to storm water; hydraulic cement, (SIC code 3241); brick and structural clay tile, (SIC code 3251); ceramic wall and floor tile, (SIC code 3253); clay refractories, (SIC code 3255); structural clay products not elsewhere classified (SIC code 3259); vitreous china plumbing fixtures, and china and earthen ware fittings and bathroom accessories (SIC code 3261); vitreous china table and kitchen articles (SIC code 3262); fine earthenware table and kitchen articles (SIC code 3263); porcelain electrical supplies, (SIC code 3264); pottery products, (SIC code 3269); concrete block and brick, (SIC code 3271); concrete products, except block and brick (SIC code 3272); ready-mix concrete (SIC code 3273); lime (SIC code 3274); gypsum products, (SIC code 3275); cut stone and stone products (SIC code 3281); abrasive products (SIC code 3291); asbestos products (SIC code 3292); minerals and earths, ground or otherwise treated, (SIC code 3295); mineral wool (SIC code 3296); nonclay refractories (SIC code 3297); and nonmetallic mineral products not elsewhere classified (SIC code 3299).

* * * * *

5. Monitoring and Reporting Requirements.

a. Analytical Monitoring Requirements. During the period October 1, 1996 lasting through to September 30, 1997 and the period beginning October 1, 1998 lasting through September 30, 1999, permittees that manufacture clay products and concrete products and gypsum products must monitor their storm water discharges associated with industrial activity at least quarterly (4 times per year during years 2 and 4) except as provided in paragraphs 5.a.(3) (Sampling Waiver), 5.a.(4) (Representative Discharge), and 5.a.(5) (Alternative Certification).

Clay product manufacturers include; brick and structural clay tile manufacturers (SIC 3251), ceramic wall and floor tile manufacturers (SIC 3253), clay refractories (SIC 3255), manufacturers of structural clay products, not elsewhere classified (SIC 3259), manufacturers of vitreous china table and kitchen articles (SIC 3232), manufacturers of vitreous china plumbing fixtures, and china and earthen ware fittings and bathroom accessories (SIC code 3261), manufacturers of fine earthenware table and kitchen articles (SIC 3263), manufacturers of porcelain electrical supplies (SIC 3264), pottery products (SIC 3269) and non-clay refractories (3297). Facilities with these industrial

activities must monitor for the pollutant listed in Table E-1.

Concrete and gypsum product manufacturers include concrete block and brick manufacturers (SIC 3271), concrete products manufacturers (SIC 3272), ready mix concrete manufacturers (SIC 3273), lime (3274), gypsum product manufacturers (SIC 3275) and manufacturers of mineral and earth products (SIC 3295). Facilities with these industrial activities must monitor for the pollutants listed in Table E-2.

* * * * *

I. Storm Water Discharges Associated With Industrial Activity From Oil and Gas Extraction Facilities and Petroleum Refineries

1. Discharges Covered Under This Section.

(a) Coverage. This section of the permit covers all existing point source discharges of storm water associated with industrial activity to waters of the United States from oil and gas facilities listed under Standard Industrial Classification (SIC) Major Group 13 which are required to be permitted under 40 CFR 122.26(c)(1)(iii). These include “* * * oil and gas exploration, production, processing, or treatment operations, or transmission facilities that discharge storm water contaminated by contact with or that has come into contact with any overburden raw material, intermediate products, finished products, by-products or waste products located on the site of such operations.” Industries in SIC Major Group 13 include the extraction and production of crude oil, natural gas, oil sands and shale; the production of hydrocarbon liquids and natural gas from coal; and associated oil field service, supply and repair industries. This section also covers petroleum refineries listed under SIC code 2911. Contaminated storm water discharges from petroleum refining or drilling operations that are subject to nationally established BAT or BPT guidelines found at 40 CFR 419 and 435 respectively are not included.

Note that areas eligible for coverage at petroleum refineries will be very limited because the term “contaminated runoff,” as defined under 40 CFR 419.11, includes “* * * runoff which comes into contact with any raw material, intermediate product, finished product, by-product or waste product located on petroleum refinery property.” Areas at petroleum refineries which may be eligible for permit coverage, provided discharges from these areas are not co-mingled with “contaminated runoff,” include: vehicle

and equipment storage, maintenance and refueling areas. Most areas at refineries will not be eligible for coverage including: raw material, intermediate product, by-product, final product, waste material, chemical, and material storage areas; loading and unloading areas; transmission pipelines; and, processing areas.

* * * * *

3. Storm Water Pollution Prevention Plan Requirements.

a. Contents of Plan.

* * * * *

(3) Measures and Controls.

* * * * *

(d) Inspections. In addition to or as part of the comprehensive site evaluation required under paragraph XI.L.3.a.(4) of this section, qualified facility or plant personnel shall be identified to inspect designated equipment and areas of the facility at appropriate intervals specified in the plan. All equipment and areas addressed in the pollution prevention plan shall be inspected at a minimum of 6-month intervals. Equipment and vehicles which store, mix, or transport hazardous materials will be inspected routinely, but not less than quarterly. A set of tracking or follow-up procedures shall be used to ensure that appropriate actions are taken in response to the inspections. Records of inspections shall be maintained. For temporarily or permanently inactive oil and gas extraction facilities which are remotely located and unstaffed (within major SIC group 13), the above inspections shall be performed at least annually.

* * * * *

J. Storm Water Discharges Associated With Industrial Activity From Mineral Mining and Processing Facilities

1. Discharges Covered Under This Section.

* * * * *

a. Limitations on Coverage. The following storm water discharges associated with industrial activity are not authorized by this permit:

(1) Storm water discharges associated with industrial activity which are subject to an existing effluent limitation guideline (40 CFR part 436), except mine dewatering discharges composed entirely of storm water or ground water seepage from construction sand and gravel, industrial sand, and crushed stone mining facilities located in Regions I, II, VI, X and Arizona.

* * * * *

4. Numeric Effluent Limitations.

Except as discussed in 4a. below, there are no additional numeric effluent

limitations beyond those described in Part V.B of this permit.

a. Regions I, II, VI and X, and Arizona—Construction Sand and Gravel; Industrial Sand, and Crushed Stone Mining, Mine Dewatering. Any discharge composed entirely of storm water or ground water seepage that derives from mine dewatering activities at construction sand and gravel, industrial sand, or crushed stone mining facilities located in Regions I, II, VI, and X, and in Arizona shall not exceed a maximum concentration for any day of 45 mg/L or an average of daily values for 30 consecutive days of 25 mg/L Total Suspended Solids (TSS) nor the 6.0 to 9.0 range limitation for pH. The discharge from the dewatering activity shall not be diluted with other storm water runoff or flows to meet this limitation. Dischargers subject to these numeric effluent limitations must be in compliance with these limits upon commencement of coverage and for the entire term of this permit.

* * * * *

5. Monitoring and Reporting Requirements.

* * * * *

d. Compliance Monitoring Requirements. Permittees with construction sand and gravel, industrial sand, and crushed stone mining facilities in Regions I, II, VI and X, and Arizona that have mine dewatering discharges composed entirely of storm water or ground water seepage which are covered by this permit must monitor the discharge from the dewatering activity for the presence of TSS and pH at least quarterly (four times per year). Facilities must report in accordance with 5.d.(2) below (reporting). In addition to the parameters listed above, the permittee shall provide the date and duration (in hours) of the storm event(s) sampled; rainfall measurements or estimates (in inches) of the storm event that generated the sampled runoff; the duration between the storm event sampled and the end of the previous measurable (greater than 0.1 inch rainfall) storm event; and an estimate of the total volume (in gallons) of the discharge sampled.

* * * * *

L. Storm Water Discharges Associated With Industrial Activity From Landfills, Open Dumps, and Land Application Sites

1. Discharges Covered Under This Section.

a. Coverage. The requirements listed under this section shall apply to storm water discharges associated with industrial activity from waste disposal

at landfills, land application sites, and open dumps that receive or have received industrial wastes. Open dumps are solid waste disposal units that are not in compliance with State/Federal criteria established under RCRA Subtitle D. Landfills, land application sites, and open dumps that have storm water discharges from other types of industrial activities such as vehicle maintenance, truck washing, and/or recycling may be subject to additional requirements specified elsewhere in this permit.

* * * * *

b. Limitations. Storm water discharges associated with industrial activities from inactive landfills, land application sites, and open dumps occurring on Federal lands where an operator cannot be identified are ineligible for coverage under this permit.

2. Special Conditions.

a. Prohibition of Non-storm Water Discharges. In addition to the broad non-storm water prohibition in Part III.A of this permit, the discharge of leachate and vehicle and equipment washwaters to waters of the United States or a municipal separate storm sewer system is not authorized by this permit. For purposes of this permit, "leachate" is defined as any liquid (including storm water) that has passed through or emerged from waste material and contains soluble, suspended or miscible materials removed from such wastes. Operators with such discharges must obtain coverage under a separate NPDES permit (other than this permit).

3. Storm Water Pollution Prevention Plan Requirements.

a. Contents of Plan. The plan shall include, at a minimum, the following items:

* * * * *

(2) Description of Potential Pollutant Sources.

(a) Drainage.

(i) A site map indicating an outline of the portions of the drainage area of each storm water outfall that are within the facility boundaries, each existing structural control measure to reduce pollutants in storm water runoff, surface water bodies, locations of active and closed landfill cells or trenches, locations of active and closed land application areas, locations where open dumping is occurring or has occurred, locations of any known leachate springs or other areas where uncontrolled leachate may commingle with runoff, locations of any leachate collection and handling systems, locations where major spills or leaks identified under Part XI.L.3.a.(2)(c) (Spills and Leaks) of this permit have occurred, and locations of the following activities where such

activities are exposed to precipitation: fueling station, vehicle and equipment maintenance and/or cleaning areas, and waste and other significant material loading/unloading and storage areas. The map must indicate the outfall locations and the types of discharges contained in the drainage areas of the outfalls.

* * * * *

(e) *Risk Identification and Summary of Potential Pollutant Sources.* Include a narrative description of potential pollutant sources associated with any of the following, providing they occur at the facility: fertilizer, herbicide and pesticide application; earth/soil moving; waste hauling and loading/unloading; outdoor storage of significant materials including daily, interim and final cover material stockpiles as well as temporary waste storage areas; exposure of active and inactive landfill, land application, or open dumping areas; uncontrolled leachate flows; failure or leaks from leachate collection and treatment systems; haul roads; and vehicle tracking of sediments. The description shall specifically list any significant potential sources of pollutants at the site and for each potential source, any pollutant or pollutant parameter (e.g., biochemical oxygen demand, etc.) of concern shall be identified.

* * * * *

(3) *Measures and Controls.*

* * * * *

(d) *Inspections.* Qualified facility personnel shall be identified to inspect designated equipment and areas of the facility at appropriate intervals specified in the plan.

(i) For operating landfills, open dumps, and land application sites, inspections shall be conducted at least once every 7 days. Qualified personnel shall inspect areas of landfills and open dumps that have not yet been finally stabilized, active land application areas, areas used for storage of materials/wastes that are exposed to precipitation, stabilization and structural control measures, leachate collection and treatment systems, and locations where equipment and waste trucks enter and exit the site. Where landfill areas and open dumps have been finally stabilized and where land application has been completed, or during seasonal arid periods in arid areas (areas with an average annual rainfall of 0 to 10 inches) and semiarid areas (areas with an average annual rainfall of 10 to 20 inches), inspections will be conducted at least once every month. Erosion and sediment control measures shall be observed to ensure they are operating correctly.

(ii) For inactive landfills, open dumps, and land application sites, inspections shall be conducted at least quarterly, and qualified personnel shall inspect: landfill or open dump stabilization and structural erosion control measures and leachate collection and treatment systems, and all closed land application areas.

* * * * *

(f) *Record keeping and Internal Reporting Procedures.* A description of incidents (such as spills, or other discharges), along with other information describing the quality and quantity of storm water discharges shall be included in the plan required under this part. Inspections and maintenance activities shall be documented and records of such activities shall be incorporated into the plan. Landfill and open dump operators shall provide for a tracking system for the types of wastes disposed of in each cell or trench of a landfill or open dump. Land application site operators shall track the types and quantities of wastes applied in specific areas.

* * * * *

(h) *Sediment and Erosion Control.*

The plan shall identify areas which, due to topography activities, or other factors, have a high potential for significant soil erosion, and identify structural, vegetative, and/or stabilization measures to be used to limit erosion. Landfill and open dump operators shall provide for temporary stabilization of materials stockpiled for daily, intermediate, and final cover. Stabilization practices to consider include, but are not limited to, temporary seeding, mulching, and placing geotextiles on the inactive portions of the stockpiles. Landfill and open dump operators shall provide for temporary stabilization of inactive areas of the landfill or open dump which have an intermediate cover but no final cover. Landfill and open dump operators shall provide for temporary stabilization of any landfill or open dumping areas which have received a final cover until vegetation has established itself. Land application site operators shall also stabilize areas where waste application has been completed until vegetation has been established.

* * * * *

(4) *Comprehensive Site Compliance Evaluation.*

* * * * *

(a) Areas contributing to a storm water discharge associated with industrial activity at landfill, open dump and land application sites shall be visually inspected for evidence of, or the potential for, pollutants entering the

drainage system. Measures to reduce pollutant loadings shall be evaluated to determine whether they are adequate and properly implemented in accordance with the terms of the permit or whether additional control measures are needed. Structural storm water management measures, sediment and erosion control measures, and other structural pollution prevention measures identified in the plan shall be observed to ensure that they are operating correctly. A visual inspection of equipment needed to implement the plan, such as spill response equipment, shall be made.

* * * * *

5. *Monitoring and Reporting Requirements.*

(a) *Analytical Monitoring Requirements.* During the period October 1, 1996, lasting through to September 30, 1997, and the period beginning October 1, 1998, lasting through September 30, 1999, permittees with landfill/land application/open dump sites must monitor their storm water discharges associated with industrial activity at least quarterly (4 times per year) during years 2 and 4 of this permit except as provided in paragraphs 5.a.(3) (Sampling Waiver), 5.a.(4) (Representative Discharge), and 5.a.(5) (Alternative Certification). Landfill/land application/open dump sites are required to monitor their storm water discharges for the pollutants of concern listed in Table L-1 below. Facilities must report in accordance with 5.b. (Reporting). In addition to the parameters listed in Table L-1 below, the permittee shall provide: the date and duration (in hours) of the storm event(s) sampled; rainfall measurements or estimates (in inches) of the storm event that generated the sampled runoff; the duration between the storm event sampled and the end of the previous measurable (greater than 0.1 inch rainfall) storm event; and, an estimate of the total volume (in gallons) of the discharge sampled.

TABLE L-1.—INDUSTRY MONITORING REQUIREMENTS

Pollutants of concern	Cut-off concentration
Total Suspended Solids (TSS) ¹	100 mg/L
Total Recoverable Iron ²	1.0 mg/L

¹ Applicable to all landfill, open dump, and land application sites.

² Applicable to all facilities except MSWLF areas closed in accordance with 40 CFR 258.60 requirements.

(1) *Monitoring Periods.* Landfill/land application/open dump sites shall

monitor samples collected during the sampling periods of: January through March, April through June, July through September, and October through December for the years specified in paragraph 5a. (above).

* * * * *

b. *Reporting.* Permittees with landfill/land application/open dump sites shall submit monitoring results for each outfall associated with industrial activity [or a certification in accordance with Sections (3), (4), or (5) above] obtained during the monitoring period beginning October 1, 1996, and lasting through September 30, 1997, on Discharge Monitoring Report Form(s) postmarked no later than the 31st day of the month of March, 1998. Monitoring results [or a certification in accordance with Sections (3), (4), or (5) above] obtained during the period beginning October 1, 1998 and lasting through September 30, 1999, shall be submitted on Discharge Monitoring Report Form(s) postmarked no later than the 31st day of the month of March, 2000. For each outfall, one Discharge Monitoring Report form must be submitted per storm event sampled. Signed copies of Discharge Monitoring Reports, or alternative certifications, shall be submitted to the Director of the NPDES program at the address of the appropriate EPA Regional Office listed in Part VI.G. of the fact sheet for this permit.

(1) *Additional Notification.* In addition to filing copies of discharge monitoring reports in accordance with paragraph 1.b. (above) landfill/land application/open dump sites, with at least one storm water discharge associated with industrial activity through a large or medium municipal separate storm sewer system (systems serving a population of 100,000 or more) must submit signed copies of discharge monitoring reports to the operator of the municipal separate storm sewer system in accordance with the dates provided in paragraph 1.b. (above).

* * * * *

P. Storm Water Discharges Associated With Industrial Activity From Motor Freight Transportation Facilities, Passenger Transportation Facilities, Petroleum Bulk Oil Stations and Terminals, Rail Transportation Facilities, and United States Postal Service Transportation Facilities

1. *Discharges Covered Under This Section.* Storm water discharges from ground transportation facilities and rail transportation facilities (generally identified by Standard Industrial Classification (SIC) codes 40, 41, 42, 43,

and 5171), that have vehicle and equipment maintenance shops (vehicle and equipment rehabilitation, mechanical repairs, painting, fueling and lubrication) and/or equipment cleaning operations are eligible for coverage under this section. Also covered under this section are facilities found under SIC code 4221-4225 (public warehousing and storage) that do not have vehicle and equipment maintenance shops and/or equipment cleaning operations but have areas (exclusive of access roads and rail lines) where material handling equipment or activities, raw materials, intermediate products, final products, waste materials, by-products or industrial machinery are exposed to storm water.

* * * * *

V. Storm Water Discharges Associated With Industrial Activity From Textile Mills, Apparel and Other Fabric Product Manufacturing Facilities, Leather and Leather Product Manufacturing Facilities

1. *Discharges Covered Under This Section.* The requirements listed under this section shall apply to storm water discharges from the following activities: Textile Mill Products, of and regarding facilities and establishments engaged in the preparation of fiber and subsequent manufacturing of yarn, thread, braids, twine, and cordage, the manufacturing of broad woven fabrics, narrow woven fabrics, knit fabrics, and carpets and rugs from yarn; processes involved in the dyeing and finishing of fibers, yarn fabrics, and knit apparel; the integrated manufacturing of knit apparel and other finished articles of yarn; the manufacturing of felt goods (wool), lace goods, nonwoven fabrics, miscellaneous textiles, and other apparel products (generally described by SIC codes 22 and 23). This section also covers facilities engaged in manufacturing finished leather and artificial leather products (SIC 31, except 3111).

* * * * *

X. Storm Water Discharges Associated With Industrial Activity From Printing and Publishing Facilities

1. *Discharges Covered Under This Section.* The requirements listed under this section shall apply to storm water discharges associated with industrial activity from the following types of facilities: newspaper, periodical, and book publishing or publishing and printing (SIC Codes 2711-2731); book printing (SIC Code 2732); miscellaneous publishing (SIC Code 2741); commercial printing, lithographic (SIC Code 2752); commercial printing, gravure (SIC Code

2754); commercial printing, not elsewhere classified (SIC Code 2759); manifold business forms, greeting cards, bankbooks, looseleaf binders and devices, bookbinding and related work, and typesetting (SIC Codes 2761-2791); and, plate making and related services (SIC Code 2796).

* * * * *

AA. Storm Water Discharges Associated With Industrial Activity From Fabricated Metal Products Industry

1. *Discharges Covered Under This Section.* The requirements listed under this section shall apply to storm water discharges associated with industrial activity from the fabricated metals industry listed below, except for electrical related industries: fabricated metal products, except machinery and transportation equipment, SIC 34, and jewelry, silverware, and plated ware (SIC Code 391).

* * * * *

AD. Storm Water Discharges Associated With Industrial Activity From Non-Classified Facilities

1. *Discharges Covered Under This Section.* The requirements of this section shall apply to all storm water discharges associated with industrial activity from facilities that: meet the definition of storm water associated with industrial activity (40 CFR 122.26(b)(14), except for construction activities as defined under 40 CFR 122.26(b)(14)(x)), can not be classified in another industrial sector of this permit (i.e., Parts XI.A-XI.AC), and are not excluded from permit coverage elsewhere in this permit; or, the Director has designated as needing a storm water permit under 40 CFR 122.26(g)(1)(i). Should conditions at a facility covered by this section change and industrial activities in another section(s) contained in XI.A.-XI.AC. apply, the facility shall comply with any and all applicable monitoring and pollution prevention plan requirements of the other section(s) in addition to those contained in this section. The monitoring and pollution prevention plan terms and conditions of this permit are additive for industrial activities being conducted at the same industrial facility (co-located industrial activities). The operator of the facility shall determine which monitoring and pollution prevention plan section(s) of this permit (if any) are applicable to the facility.

2. *Special Conditions.*

a. *Prohibition of Non-storm Water Discharges.* Other than as provided in use this Section III.A. of this permit,

non-storm water discharges are not authorized by this permit.

3. Storm Water Pollution Prevention Plan Requirements.

a. Contents of Plan. The plan shall include, at a minimum, the following items:

(1) **Pollution Prevention Team.** Each plan shall identify a specific individual or individuals within the facility organization as members of a storm water Pollution Prevention Team that are responsible for developing the storm water pollution prevention plan and assisting the facility or plant manager in its implementation, maintenance, and revision. The plan shall clearly identify the responsibilities of each team member. The activities and responsibilities of the team shall address all aspects of the facility's storm water pollution prevention plan.

(2) **Description of Potential Pollutant Sources.** Each plan shall provide a description of potential sources which may reasonably be expected to add significant amounts of pollutants to storm water discharges or which may result in the discharge of pollutants during dry weather from separate storm sewers draining the facility. Each plan shall identify all activities and significant materials which may potentially be significant pollutant sources. Each plan shall include, at a minimum:

(a) Drainage.

(i) A site map indicating an outline of the portions of the drainage area of each storm water outfall that are within the facility boundaries, each existing structural control measure to reduce pollutants in storm water runoff, surface water bodies, locations where significant materials are exposed to precipitation, locations where major spills or leaks identified under Part XI.AD.3.a.(2)(c) (Spills and Leaks) of this section have occurred, and the locations of the following activities where such activities are exposed to precipitation: fueling stations, vehicle and equipment maintenance and/or cleaning areas, loading/unloading areas, locations used for the treatment, storage or disposal of wastes, liquid storage tanks, processing areas and storage areas. The map must indicate the outfall locations and the types of discharges contained in the drainage areas of the outfalls.

(ii) For each area of the facility that generates storm water discharges associated with industrial activity with a reasonable potential for containing significant amounts of pollutants, a prediction of the direction of flow, and an identification of the types of pollutants which are likely to be present

in storm water discharges associated with industrial activity. Factors to consider include the toxicity of chemical; quantity of chemicals used, produced or discharged; the likelihood of contact with storm water; and history of significant leaks or spills of toxic or hazardous pollutants. Flows with a significant potential for causing erosion shall be identified.

(b) Inventory of Exposed Materials. An inventory of the types of materials handled at the site that potentially may be exposed to precipitation. Such inventory shall include a narrative description of significant materials that have been handled, treated, stored or disposed in a manner to allow exposure to storm water between the time of 3 years prior to the date of the submission of a Notice of Intent (NOI) to be covered under this permit and the present; method and location of onsite storage or disposal; materials management practices employed to minimize contact of materials with storm water runoff between the time of 3 years prior to the date of the submission of a Notice of Intent (NOI) to be covered under this permit and the present; the location and a description of existing structural and nonstructural control measures to reduce pollutants in storm water runoff; and a description of any treatment the storm water receives.

(c) Spills and Leaks. A list of significant spills and significant leaks of toxic or hazardous pollutants that occurred at areas that are exposed to precipitation or that otherwise drain to a storm water conveyance at the facility after the date of 3 years prior to the date of the submission of a Notice of Intent (NOI) to be covered under this permit. Such list shall be updated as appropriate during the term of the permit.

(d) Sampling Data. A summary of existing discharge sampling data describing pollutants in storm water discharges from the facility, including a summary of sampling data collected during the term of this permit.

(e) Risk Identification and Summary of Potential Pollutant Sources. A narrative description of the potential pollutant sources from the following activities: loading and unloading operations; outdoor storage activities; outdoor manufacturing or processing activities; significant dust or particulate generating processes; and onsite waste disposal practices. The description shall specifically list any significant potential source of pollutants at the site and for each potential source, any pollutant or pollutant parameter (e.g., biochemical oxygen demand, etc.) of concern shall be identified.

(3) Measures and Controls. Each facility covered by this permit shall develop a description of storm water management controls appropriate for the facility, and implement such controls. The appropriateness and priorities of controls in a plan shall reflect identified potential sources of pollutants at the facility. The description of storm water management controls shall address the following minimum components, including a schedule for implementing such controls:

(a) Good Housekeeping. Good housekeeping requires the maintenance of areas which may contribute pollutants to storm water discharges in a clean, orderly manner.

(b) Preventive Maintenance. A preventive maintenance program shall involve timely inspection and maintenance of storm water management devices (e.g., cleaning oil/water separators, catch basins) as well as inspecting and testing facility equipment and systems to uncover conditions that could cause breakdowns or failures resulting in discharges of pollutants to surface waters, and ensuring appropriate maintenance of such equipment and systems.

(c) Spill Prevention and Response Procedures. Areas where potential spills which can contribute pollutants to storm water discharges can occur, and their accompanying drainage points shall be identified clearly in the storm water pollution prevention plan. Where appropriate, specifying material handling procedures, storage requirements, and use of equipment such as diversion valves in the plan should be considered. Procedures for cleaning up spills shall be identified in the plan and made available to the appropriate personnel. The necessary equipment to implement a clean up should be available to personnel.

(d) Inspections. In addition to or as part of the comprehensive site evaluation required under paragraph XI.AD.3.a.(4) of this section, qualified facility personnel shall be identified to inspect designated equipment and areas of the facility at appropriate intervals specified in the plan. A set of tracking or follow-up procedures shall be used to ensure that appropriate actions are taken in response to the inspections. Records of inspections shall be maintained.

(e) Employee Training. Employee training programs shall inform personnel responsible for implementing activities identified in the storm water pollution prevention plan or otherwise responsible for storm water management at all levels of responsibility of the

components and goals of the storm water pollution prevention plan. Training should address topics such as spill response, good housekeeping and material management practices. The pollution prevention plan shall identify periodic dates for such training.

(f) *Recordkeeping and Internal Reporting Procedures.* A description of incidents (such as spills, or other discharges), along with other information describing the quality and quantity of storm water discharges shall be included in the plan required under this part. Inspections and maintenance activities shall be documented and records of such activities shall be incorporated into the plan.

(g) *Non-storm Water Discharges.*

(i) The plan shall include a certification that the discharge has been tested or evaluated for the presence of non-storm water discharges. The certification shall include the identification of potential significant sources of non-storm water at the site, a description of the results of any test and/or evaluation for the presence of non-storm water discharges, the evaluation criteria or testing method used, the date of any testing and/or evaluation, and the onsite drainage points that were directly observed during the test. Certifications shall be signed in accordance with Part VII.G. of this permit. Such certification may not be feasible if the facility operating the storm water discharge associated with industrial activity does not have access to an outfall, manhole, or other point of access to the ultimate conduit which receives the discharge. In such cases, the source identification section of the storm water pollution prevention plan shall indicate why the certification required by this part was not feasible, along with the identification of potential significant sources of non-storm water at the site. A discharger that is unable to provide the certification required by this paragraph must notify the Director in accordance with paragraph XI.AD.3.a.(3)(g)(iii) (below).

(ii) Except for flows from fire fighting activities, sources of non-storm water listed in Part III.A.2 (Prohibition of Non-storm Water Discharges) of this permit that are combined with storm water discharges associated with industrial activity must be identified in the plan. The plan shall identify and ensure the implementation of appropriate pollution prevention measures for the non-storm water component(s) of the discharge.

(iii) *Failure to Certify.* Any facility that is unable to provide the certification required (testing for non-storm water discharges), must notify the Director 180 days after submitting an

NOI to be covered by this permit. If the failure to certify is caused by the inability to perform adequate tests or evaluations, such notification shall describe: the procedure of any test conducted for the presence of non-storm water discharges; the results of such test or other relevant observations; potential sources of non-storm water discharges to the storm sewer; and why adequate tests for such storm sewers were not feasible. Non-storm water discharges to waters of the United States which are not authorized by an NPDES permit are unlawful, and must be terminated.

(h) *Sediment and Erosion Control.* The plan shall identify areas which, due to topography, activities, or other factors, have a high potential for significant soil erosion, and identify structural, vegetative, and/or stabilization measures to be used to limit erosion.

(i) *Management of Runoff.* The plan shall contain a narrative consideration of the appropriateness of traditional storm water management practices (practices other than those which control the generation or source(s) of pollutants) used to divert, infiltrate, reuse, or otherwise manage storm water runoff in a manner that reduces pollutants in storm water discharges from the site. The plan shall provide that measures that the permittee determines to be reasonable and appropriate shall be implemented and maintained. The potential of various sources at the facility to contribute pollutants to storm water discharges associated with industrial activity [see paragraph XI.AD.3.a.(2) of this section (Description of Potential Pollutant Sources)] shall be considered when determining reasonable and appropriate measures. Appropriate measures or equivalent measures may include: vegetative swales, reuse of collected storm water (such as for a process or as an irrigation source), inlet controls (such as oil/water separators), snow management activities, infiltration devices, and wet detention/retention devices.

(4) *Comprehensive Site Compliance Evaluation.* Qualified personnel shall conduct site compliance evaluations at appropriate intervals specified in the plan, but in no case less than once a year. Such evaluations shall provide:

(a) Areas contributing to a storm water discharge associated with industrial activity shall be visually inspected for evidence of, or the potential for, pollutants entering the drainage system. Measures to reduce pollutant loadings shall be evaluated to determine whether they are adequate and properly implemented in accordance with the

terms of the permit or whether additional control measures are needed. Structural storm water management measures, sediment and erosion control measures, and other structural pollution prevention measures identified in the plan shall be observed to ensure that they are operating correctly. A visual inspection of equipment needed to implement the plan, such as spill response equipment, shall be made.

(b) Based on the results of the evaluation, the description of potential pollutant sources identified in the plan in accordance with paragraph XI.AD.3.a.(2) of this section (Description of Potential Pollutant Sources) and pollution prevention measures and controls identified in the plan in accordance with paragraph XI.AD.3.a.(3) of this section (Measures and Controls) shall be revised as appropriate within 2 weeks of such evaluation and shall provide for implementation of any changes to the plan in a timely manner, but in no case more than 12 weeks after the evaluation.

(c) A report summarizing the scope of the inspection, personnel making the evaluation, the date(s) of the evaluation, major observations relating to the implementation of the storm water pollution prevention plan, and actions taken in accordance with paragraph XI.AD.3.a.(4)(b) (above) of the permit shall be made and retained as part of the storm water pollution prevention plan for at least 3 years from the date of the evaluation. The report shall identify any incidents of noncompliance. Where a report does not identify any incidents of noncompliance, the report shall contain a certification that the facility is in compliance with the storm water pollution prevention plan and this permit. The report shall be signed in accordance with Part VII.G. (Signatory Requirements) of this permit.

(d) Where compliance evaluation schedules overlap with inspections required under 3.a.(3)(d), the compliance evaluation may be conducted in place of one such inspection.

4. *Numeric Effluent Limitations.* There are no additional numeric effluent limitations beyond those described in Part V.B of this permit.

5. *Monitoring and Reporting Requirements.*

(a) *Monitoring Requirements*

(1) *Quarterly Visual Examination of Storm Water Quality.* Facilities shall perform and document a visual examination of a storm water discharge associated with industrial activity from each outfall, except discharges exempted below. The examination must be made at least once in each designated

period [described in (a), below] during daylight hours unless there is insufficient rainfall or snow melt to produce a runoff event.

(a) Examinations shall be conducted in each of the following periods for the purposes of visually inspecting storm water quality associated with storm water runoff or snow melt: January through March; April through June; July through September; and October through December.

(b) Examinations shall be made of samples collected within the first 30 minutes (or as soon thereafter as practical, but not to exceed one hour) of when the runoff or snowmelt begins discharging. The examinations shall document observations of color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheen, and other obvious indicators of storm water pollution. The examination must be conducted in a well lit area. No analytical tests are required to be performed on the samples. All such samples shall be collected from the discharge resulting from a storm event that is greater than 0.1 inches in magnitude and that occurs at least 72 hours from the previously measurable (greater than 0.1 inch rainfall) storm event. Whenever practicable the same individual will carry out the collection and examination of discharges for the life of the permit.

(c) Visual examination reports must be maintained onsite in the pollution prevention plan. The report shall include the examination date and time, examination personnel, the nature of the discharge (i.e., runoff or snow melt), visual quality of the storm water discharge (including observations of color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheen, and other obvious indicators of storm water pollution), and probable sources of any observed storm water contamination.

(d) When a facility has two or more outfalls that, based on a consideration of industrial activity, significant materials, and management practices and activities within the area drained by the outfall, the permittee reasonably believes discharge substantially identical effluents, the permittee may collect a sample of effluent of one of such outfalls and report that the observation data also applies to the substantially identical outfalls provided that the permittee includes in the storm water pollution prevention plan a description of the location of the outfalls and explaining in detail why the outfalls are expected to discharge substantially identical effluents. In addition, for each outfall that the permittee believes is

representative, an estimate of the size of the drainage area (in square feet) and an estimate of the runoff coefficient of the drainage area [e.g., low (under 40 percent), medium (40 to 65 percent), or high (above 65 percent)] shall be provided in the plan.

(e) When a discharger is unable to collect samples over the course of the monitoring period as a result of adverse climatic conditions, the discharger must document the reason for not performing the visual examination and retain this documentation onsite with the records of the visual examination. Adverse weather conditions which may prohibit the collection of samples include weather conditions that create dangerous conditions for personnel (such as local flooding, high winds, hurricane, tornadoes, electrical storms, etc.) or otherwise make the collection of a sample impracticable (drought, extended frozen conditions, etc.).

(f) When a discharger is unable to conduct visual storm water examinations at an inactive and unstaffed site, the operator of the facility may exercise a waiver of the monitoring requirement as long as the facility remains inactive and unstaffed. The facility must maintain a certification with the pollution prevention plan stating that the site is inactive and unstaffed so that performing visual examinations during a qualifying event is not feasible.

* * * * *

VII. Additional Requirements to Part XII. Coverage Under This Permit

Part XII (Amended)

In addition to the applicable conditions contained in Parts I–XI of this permit, the following requirements are placed on permittees located in the listed States, Federal Indian Reservations or Territories in order to meet applicable Clean Water Act section 401 or Coastal Zone Management Act certification requirements.

Part XII. Coverage Under This Permit

* * * * *

Part XII. Coverage Under This Permit

The provisions of this Part provide modifications or additions to the applicable conditions of Parts I through XI of this permit in order to reflect specific conditions required as part of a State, Tribal or Territory Clean Water Act section 401 certification process, or Coastal Zone Management Act certification process, or as otherwise established by the permitting authority. The additional revisions and requirements listed below are set forth

in connection with, and only apply to, the following States, Federal Indian Reservations, Territories and Federal facilities.

Region I

Massachusetts (MAR05*###)

The following Massachusetts 401 certification requirements revise the permit accordingly:

1. Part II.B.8. is added to the permit as follows:

Special Permit Eligibility Requirements for the State of Massachusetts. Discharges covered by the Multi-Sector General Permit must comply with the provisions of 314 CMR 3.00, 314 CMR 4.00, 314 CMR 9.00 and 310 CMR 10.00 and any related policies promulgated under the authority of the Massachusetts Clean Waters Act, M.G.L. c.21, ss.26–53, and Wetlands Protection Act, M.G.L. c.131, s. 40. Specifically, new facilities or the redevelopment of existing facilities subject to this permit must comply with applicable storm water performance standards prescribed by State regulation or policy. A permit under 314 CMR 3.04 is not required for existing facilities which meet State storm water performance standards; an application for a permit under 314 CMR 3.00 is required only when required under 314 CMR 3.04(2)(b) (designation of a discharge on a case-by-case basis) or is otherwise identified in 314 CMR 3.00 or Department policy as a discharge requiring a permit application. Department regulations and policies may be obtained through the State House Bookstore (617–727–2834) or on the Internet at “www.magnet.state.ma.us/dep”.

2. Part VI.B.3. is added to the permit as follows:

Special Reporting Requirement for the State of Massachusetts. The results of any quarterly monitoring required by this permit must be sent to the appropriate regional office of the Department listed below when the monitoring identifies violations of State Surface Water Quality Standards, 314 CMR 4.00, for any parameter which requires monitoring under this permit. Monitoring results must also be submitted upon request to the Department.

- Western Region: 436 Dwight Street— Suite 402, Springfield, MA 01103, (413) 784–1100
- Southeast Region: Lakeville Hospital— Route 105, Lakeville, MA 02347, (508) 946–2700
- Central Region: 627 Main Street, Worcester, MA, 01608, (508) 792–7650
- Northeast Region: 10 Commerce Way, Woburn, MA, 01801, (781) 932–7677

3. Part IV.B.2.a. is added to the permit as follows:

Special Storm Water Pollution Prevention Plan Availability Requirement for the State of Massachusetts. The Department may request a copy of the storm water pollution prevention plan for any facility covered by this permit to ensure compliance with State law requirements, including State Water Quality Standards. The Department may enforce its certification conditions.

4. Part VII.Q.1. is added to the permit as follows: Special Inspection Requirements for the State of Massachusetts. The Department may conduct an inspection of any facility covered by this permit to ensure compliance with State law requirements, including State Water Quality Standards. The Department may enforce its certification conditions.

* * * * *

Region VI

* * * * *

Federal Indian Reservations in the State of New Mexico (NMR05*##F)

1. *Pueblo of Isleta* The following Pueblo of Isleta 401 certification requirements revise the permit accordingly:

(a) Part II.C.1. is added to the permit as follows: Special NOI Requirement for the Pueblo of Isleta. Copies NOIs shall also be submitted to the Pueblo of Isleta's Environment Department, Water Quality Program, at the following address concurrently with NOI submission to EPA: Isleta Environment Department, Water Quality Program, Pueblo of Isleta, PO Box 1270, Isleta, New Mexico 87022.

(b) Part IX.B.1. is added to the permit as follows: Special NOT Requirement for the Pueblo of Isleta. Copies NOTs shall also be submitted to the Pueblo of Isleta's Environment Department, Water Quality Program, concurrently with NOT submission to EPA. Copies are to be sent to the address given in Part II.C.1.

(c) Part IV.F. is added to the permit as follows: Special Storm Water Pollution Prevention Plan Requirement for the Pueblo of Isleta. Storm water pollution prevention plans must be submitted to the Pueblo of Isleta Environment Department, Water Quality Program, within 30 days of plan development. SWPPPs are to be sent to the address given in Part II.C.1.

2. *Pueblo of Pojoaque* The following Pueblo of Pojoaque 401 certification requirements revise the permit accordingly:

(a) Part II.C.1. is added to the permit as follows: Special NOI Requirement for the Pueblo of Pojoaque. Copies of NOIs shall also be submitted to the Pueblo of Pojoaque Environment Department at the following address concurrently with NOI submittal to EPA: Pueblo of Pojoaque, Environment Department, Route 11, P.O. Box 208, Santa Fe, New Mexico 87501, Phone (505) 455-2087, Fax (505) 455-2177.

(b) Part IX.B.1. is added to the permit as follows: Special NOT Requirement for the Pueblo of Pojoaque. Copies of NOTs shall also be submitted to the Pueblo of Pojoaque Environment Department concurrently with NOT submittal to EPA. Copies are to be sent to the address given in Part II.C.1.

3. *Pueblo of Sandia* The following Pueblo of Sandia 401 certification requirements revise the permit accordingly:

(a) Part II.C.1. is added to the permit as follows: Special NOI Requirement for the Pueblo of Sandia. Copies of NOIs shall also be submitted to the Pueblo of Sandia Environment Department at the following address concurrently with NOI submittal to EPA: Pueblo of Sandia, Environment Department, Box 6008, Bernalillo, New Mexico 87004, Phone (505) 867-4533; Fax (505) 867-9235.

(b) Part IX.B.1. is added to the permit as follows: Special NOT Requirement for the Pueblo of Sandia. Copies of NOTs shall also be submitted to the Pueblo of Sandia Environment Department concurrently with NOT submittal to EPA. Copies are to be sent to the address given in Part II.C.1.

(c) Part IV.F. is added to the permit as follows: Special Storm Water Pollution Prevention Plan Requirement for the Pueblo of Sandia. Storm water pollution prevention plans must be submitted to the Pueblo of Sandia Environment Department before commencement of the project on Pueblo of Sandia tribal lands. SWPPPs are to be sent to the address given in Part II.C.1.

* * * * *

Region IX

* * * * *

American Samoa (ASR05*##F) and Federal Facilities in American Samoa (ASR05*##F)

The following American Samoa 401 certification requirements revise the permit accordingly:

1. Part II.C.1. is added to the permit as follows: Special NOI Requirement for American Samoa. Copies of NOIs shall also be submitted to the American Samoa Environmental Protection Agency at the following address concurrently with NOI submittal to

EPA: American Samoa Environmental Protection Agency, American Samoa Government, Pago Pago, American Samoa 96799.

2. Part IV.F. is added to the permit as follows: Special Storm Water Pollution Prevention Plan Requirement for American Samoa. Storm water pollution prevention plans must be submitted to the American Samoa Environmental Protection Agency at the following address for review and approval as soon as they are completed. American Samoa Environmental Protection Agency, American Samoa Government, Pago Pago, American Samoa 96799.

The Island of Guam (GUR05*##F) and Federal Facilities on Guam (GUR05*##F)

The Island of Guam 401 certification requirements revise the permit accordingly:

1. Part II.A.10(a) is added to the permit as follows: Special NOI Requirement for Guam. Facilities ineligible for Multi-Sector General Permit coverage which are required to submit an individual NPDES permit application in accordance Part II.A.10 must send a copy to the following address at the time of submittal to EPA: Guam Environmental Protection Agency, P.O. Box 22439 GMF, Barrigada, Guam 96921.

2. Part II.C.1. is added to the permit as follows: Special NOI Requirement for Guam. Copies of NOIs shall also be submitted to the following address concurrently with NOI submittal to EPA: Guam Environmental Protection Agency, P.O. Box 22439 GMF, Barrigada, Guam 96921.

3. Part VII.M.4. is added to the permit as follows: Special Requirement for Guam. Permittees required by the Director to submit an individual NPDES permit application or alternative general NPDES permit application must send a copy to the following address at the time of submittal to EPA: Guam Environmental Protection Agency, P.O. Box 22439 GMF, Barrigada, Guam 96921.

Commonwealth of the Northern Mariana Islands (NIR05*##F) and Federal Facilities in the Commonwealth of the Northern Mariana Islands (NIR05*##F)

The Commonwealth of the Northern Mariana Islands (CNMI) 401 certification requirements revise the permit accordingly:

1. Part I.B.8 is added to the permit as follows: Special Eligibility Requirement for CNMI. Storm water pollution prevention plans required by this permit shall be submitted to the CNMI DEQ for

review and approval along with applicable fees associated with a CNMI 401 Water Quality Certification prior to submittal of an NOI to EPA and the CNMI DEQ. Storm water pollution prevention plans are to be sent to the CNMI DEQ at the following address: Commonwealth of the Northern Mariana Islands, Division of Environmental Quality, P.O. Box 1304, Saipan, MP 96950.

2. Part II.C.1. is added to the permit as follows: Special NOI Requirement for CNMI. Copies of the facility's NOI and letter from the CNMI DEQ approving the facility's storm water pollution prevention plans shall be submitted to the following addresses. The NOI submitted to the CNMI DEQ shall be postmarked at least seven (7) calendar days prior to any storm water discharges.

Commonwealth of the Northern Mariana Islands, Division of Environmental Quality, P.O. Box 1304, Saipan, MP 96950

US EPA, Region IX (WTR-5), 75 Hawthorne Street, San Francisco, CA 94105

California Federal Indian Reservations (CAR05* ##F)

Hoopa Valley Indian Reservation 401 certification requirements revise the permit accordingly:

1. Part II.C.1. is added to the permit as follows: Special NOI Requirement for Hoopa Valley Indian Reservation. Copies of NOIs shall also be submitted to the Tribal Environmental Protection Agency at the following address concurrently with NOI submittal to EPA: Tribal Environmental Protection Agency, P.O. Box 1348, Hoopa, CA 95546.

2. Part IV.F. is added to the permit as follows: Special Storm Water Pollution Prevention Plan Requirement for Hoopa Valley Indian Reservation. Storm water pollution prevention plans must be submitted to the Tribal Environmental Protection Agency at the following address for review and approval as soon as they are completed. Tribal Environmental Protection Agency, P.O. Box 1348, Hoopa, CA 95546.

* * * * *

Region X

* * * * *

The State of Alaska, Except Indian Country (AKR05*###)

The State of Alaska 401 certification requirements revise the permit accordingly:

1. Part II.C.1. is added to the permit as follows: Special NOI Requirement for the State of Alaska. Copies of NOIs shall

also be submitted to one of the Department of Environmental Conservation offices listed below at the same time of NOI submittal to EPA:

For projects nearest to Anchorage or Fairbanks: Alaska Department of Environmental Conservation, Water Quality Permitting Section/Storm Water, 555 Cordova Street, Anchorage, AK 99501, (907) 563-6529; FAX (907) 562-4026.

For projects in southeast Alaska, nearest to Juneau: Alaska Department of Environmental Conservation, Water Quality Permitting Section/Storm Water, 410 Willoughby Avenue, Juneau, AK 99801, (907) 465-5300; FAX (907) 465-5274.

2. Part IV.A.3. is added to the permit as follows: Special Storm Water Pollution Prevention Plan Requirements for the State of Alaska. Storm water pollution prevention plans must be submitted to the Department of Environmental Conservation prior to discharging. SWPPPs are to be sent to the same Department office that the facility's NOI is sent to in Part II.C.1. (18 AAC 72.600(a), 18 AAC 72.610(a)(8), and 18 AAC 72.990(32)).

3. Part IX.B.1 is added to the permit as follows: Special NOT Requirement for the State of Alaska. Copies of NOTs shall also be submitted to the Department of Environmental Conservation at the same time of NOT submittal to EPA. NOTs copies are to be sent to the same Department office that the facility's NOI was sent to in Part II.C.1.

The State of Idaho, Except Indian Country (IDR05*###)

The State of Idaho 401 certification requirements revise the permit accordingly:

1. Part IV.F. is added to the permit as follows: Special Storm Water Pollution Prevention Plan Requirement for the State of Idaho. Storm water pollution prevention plan design and associated storm water discharge quality shall demonstrate compliance with applicable Idaho Water Quality Standards.

Federal Indian Reservations in the State of Washington (WAR05* ##F)

1. *Confederated Tribes of the Chehalis Reservation.* The following Confederated Tribes of the Chehalis Reservation 401 certification requirements revise the permit accordingly:

(a) Part I.B.8(a) is added to the permit as follows: Special Water Quality Standard Requirement for the Confederated Tribes of the Chehalis

Reservation. The permittee shall be responsible for achieving compliance with Confederated Tribes of Chehalis Reservation's Water Quality Standards.

(b) Part I.B.8(b) is added to the permit as follows: Special Permit Eligibility Requirement for the Confederated Tribes of the Chehalis Reservation. Storm water pollution prevention plans shall be submitted to the Chehalis Tribal Department of Natural Resources at the following address for review and approval prior to discharge: Confederated Tribes of Chehalis Reservation, Department of Natural Resources, 420 Howanut Road, Oakville, WA 98568.

2. *Puyallup Tribe of Indians.* The following Puyallup Tribe of Indians 401 certifications revise the permit accordingly:

(a) Part I.B.8(a) is added to the permit as follows: Special Water Quality Standard Requirement for the Puyallup Tribe of Indians. The permittee shall be responsible for achieving compliance with Puyallup Tribe's Water Quality Standards.

(b) Part I.B.8(b) is added to the permit as follows: Special Permit Eligibility Requirement for the Puyallup Tribe of Indians. Storm water pollution prevention plans shall be submitted to the Puyallup Tribe Environmental Department at the following address for review and approval prior to discharge: Puyallup Tribe Environmental Department, 2002 East 28th Street, Tacoma, WA 98404.

(c) Part II.C.1. is added to the permit as follows: Special NOI Requirement for the Puyallup Tribe of Indians. Copies of NOIs shall also be submitted to the Puyallup Tribe Environmental Department at the address listed in Part I.B.8(b) at time of NOI submittal to EPA:

* * * * *

VIII. Modification of Addendum H—Endangered Species Guidance

Addendum H has been modified to update the County/Specie list that was published in the original MSGP on September 29, 1995. Part I, Step 1 of the Addendum H instructions has also been modified to provide additional sources of information such as an EPA Internet web page address and EPA Regional Office telephone numbers which permit applicants can use to access future list updates. For applicant convenience, the modified Addendum H, including the updated County/Specie list, has been printed in its entirety.

Addendum H—Endangered Species Guidance

I. Instructions

Found below in Part II of this Addendum is a list of species that EPA has determined may be affected by the activities covered by the Multi-Sector General Permit (MSGP). These species are listed by county. In order to get MSGP coverage, applicants must:

- Indicate in box provided on the NOI whether any species listed in this Addendum are in proximity to the facility, and

- Certify pursuant to Section II.B.12 of the MSGP that their storm water discharges, and Best Management Practices (BMPs) constructed to control storm water runoff, are not likely, and will not be likely to adversely affect species identified in Addendum H of this permit.

To do this, please follow steps 1 through 4 below.

Step 1: Review the County Species List To Determine if Any Species Are Located in the Discharging Facility County

If no species are listed in a facility's county or if a facility's county is not found on the list, an applicant is eligible for MSGP coverage and may indicate in the NOI that no species are found in proximity and provide the necessary certification. If species are located in the county, follow step 2 below. Where a facility is located in more than one county, the lists for all counties should be reviewed.

The enclosed list is current as of July 8, 1998. Applicants applying for permit coverage after October 8, 1998, must also make reasonable inquiries to determine whether new species have been listed for their county(ies). Such information may be available from the following sources: U.S. Fish and Wildlife Service or National Marine Fisheries Service offices; EPA's Office of Wastewater Management's web page at "<http://www.epa.gov/owm>" where updates of the county-by-county list will be posted on a periodic basis; **Federal Register** notices; State wildlife protection offices; or a biologist or similar professional in the environmental field. Applicants may also call the following EPA Regional Offices: Region 1 (Boston) 617-565-3569; Region 2 (New York City) 800-245-6510; Region 3 (Philadelphia) 215-566-3392; Region 4 (Atlanta) 404-562-9296; Region 6 (Dallas) 800-245-6510; Region 9 (San Francisco) 415-744-1906; Region 10 (Seattle) 206-553-8399.

Step 2: Determine if Any Species May Be Found "In Proximity" to the Facility

A species is in proximity to a facility's storm water discharge when the species is:

- Located in the path or immediate area through which or over which contaminated point source storm water flows from industrial activities to the point of discharge into the receiving water.
- Located in the immediate vicinity of, or nearby, the point of discharge into receiving waters.
- Located in the area of a site where storm water BMPs are planned or are to be constructed.

The area in proximity to be searched/surveyed for listed species will vary with the size of the facility, the nature and quantity of the storm water discharges, and the type of receiving waters. Given the number of facilities potentially covered by the MSGP, no specific method to determine whether species are in proximity is required for permit coverage under the MSGP. Instead, applicants should use the method or methods which best allow them to determine to the best of their knowledge whether species are in proximity to their particular facility. These methods may include:

- *Conducting visual inspections.* This method may be particularly suitable for facilities that are smaller in size, facilities located in non-natural settings such as highly urbanized areas or industrial parks where there is little or no nature habitat; and facilities that discharge directly into municipal storm water collection systems. For other facilities, a visual survey of the facility site and storm water drainage areas may be insufficient to determine whether species are likely to be located in proximity to the discharge.

- *Contacting the nearest State Wildlife Agency or U.S. Fish and Wildlife Service (FWS) or National Marine Fisheries Service (NMFS) offices.* Many endangered and threatened species are found in well-defined areas or habitats. That information is frequently known to state or federal wildlife agencies. FWS has offices in every state. NMFS has regional offices in: Gloucester, Massachusetts; St. Petersburg, Florida; Long Beach, California; Portland, Oregon; and Juneau, Alaska.

- *Contacting local/regional conservation groups.* These groups inventory species and their locations and maintain lists of sightings and habitats.
- *Conducting a formal biological survey.* Larger facilities with extensive

storm water discharges may choose to conduct biological surveys as the most effective way to assess whether species are located in proximity and whether there are likely adverse effects.

If no species are in proximity, an applicant is eligible for MSGP coverage and may indicate that in the NOI and provide the necessary certification. If listed species are found in proximity to a facility, applicants must follow step 3 below.

Step 3: Determine If Species Could Be Adversely Affected by the Facility's Storm Water Discharges or by BMP's To Control Those Discharges

Scope of Adverse Effects. Potential adverse effects from storm water include:

- *Hydrological.* Storm water may cause siltation, sedimentation or induce other changes in the receiving waters such as temperature, salinity or pH. These effects will vary with the amount of storm water discharged and the volume and condition of the receiving water. Where a storm water discharge constitutes a minute portion of the total volume of the receiving water, adverse hydrological effects are less likely.

- *Habitat.* Storm water may drain or inundate listed species habitat.
- *Toxicity.* In some cases, pollutants in storm water may have toxic effects on listed species.

The scope of effects to consider will vary with each site. Applicants must also consider the likelihood of adverse effects on species from any BMPs to control storm water. Most adverse impacts from BMPs are likely to occur from the construction activities.

Using earlier ESA authorizations for MSGP eligibility. In some cases, a facility may be eligible for MSGP coverage because actual or potential adverse affects were addressed or discounted through an earlier ESA authorization. Examples of such authorization include:

- An earlier ESA section 7 consultation for that facility.
- A section 10(a) permit issued for the facility.
- An area-wide Habitat Conservation Plan applicable to that facility.
- A clearance letter from the Services (which discounts the possibility of an adverse impact from the facility).

In order for applicants to use an earlier ESA authorization to meet eligibility requirements: (1) the authorization must adequately address impacts for storm water discharges and BMPs from the facility on endangered and threatened species, (2) it must be current because there have been no subsequent changes in facility

operations or circumstances which might impact species in ways not considered in the earlier authorization, and (3) the applicant must comply with any requirements from those authorizations to avoid or mitigate adverse effects to species. Applicants who wish to pursue this approach should carefully review documentation for those authorizations to ensure that the above conditions are met.

If adverse effects are not likely, an applicant is eligible for MSGP coverage and may indicate in the NOI that species are found in proximity and provide the necessary certification. If adverse effects are likely, follow step 4 below.

Step 4: Determine If Measures Can Be Implemented To Avoid Any Adverse Effects

If an applicant determines that adverse effects are likely, it can receive coverage if appropriate measures are undertaken to avoid or eliminate any actual or potential adverse effects prior to applying for permit coverage. These measures may involve relatively simple changes to facility operations such as re-routing a storm water discharge to bypass an area where species are located.

At this stage, applicants may wish to contact the FWS and/or NMFS to see what appropriate measures might be

suitable to avoid or eliminate adverse impacts to species.

If applicants adopt these measures, they must continue to abide by them during the course of permit coverage.

If appropriate measures are not available, the applicant is not eligible at that time for coverage under the MSGP. Applicants should contact the appropriate EPA regional office about either:

- Entering into Section 7 consultation in order to obtain MSGP coverage, or
- Obtaining an individual NPDES storm water permit.

II. COUNTY/SPECIES LIST

[The following list identifies federally listed or proposed U.S. species by State and County. It has been updated through July 8, 1998. Species listed below with a status of both E and T are generally either endangered or threatened within the specified county.]

State/County	Group name	Inverse name	Scientific name	Status
ALASKA				
ALEUTIAN ISLANDS	BIRDS	GOOSE, ALEUTIAN CANADA	<i>Branta canadensis leucopareia</i>	T
ALEUTIAN ISLANDS	PLANTS	FERN, ALEUTIAN SHIELD	<i>Polystichum aleuticum</i>	E
ALEUTIANS, EAST	BIRDS	EIDER, STELLER'S	<i>Polysticta stelleri</i>	T
ALEUTIANS, WEST	BIRDS	EIDER, STELLER'S	<i>Polysticta stelleri</i>	T
ANCHORAGE AREA	BIRDS	FALCON, PEREGRINE	<i>Falco peregrinus</i>	E
FAIRBANKS AREA	BIRDS	FALCON, PEREGRINE	<i>Falco peregrinus</i>	E
KENAI PENINSULA	BIRDS	FALCON, PEREGRINE	<i>Falco peregrinus</i>	E
MATANUSKA SUSITNA	BIRDS	FALCON, PEREGRINE	<i>Falco peregrinus</i>	E
NORTH SLOPE	BIRDS	CURLEW, ESKIMO	<i>Numenius borealis</i>	E
		EIDER, SPECTACLED	<i>Somateria fischeri</i>	T
		FALCON, PEREGRINE	<i>Falco peregrinus</i>	E
NORTHWEST ARCTIC	BIRDS	EIDER, SPECTACLED	<i>Somateria fischeri</i>	T
UNORGANIZED BOROUGH	BIRDS	EIDER, SPECTACLED	<i>Somateria fischeri</i>	T
		FALCON, PEREGRINE	<i>Falco peregrinus</i>	E
		TURTLE, HAWKSBILL SEA	<i>Eretmochelys imbricata</i>	E
AMERICAN SAMOA				
AMERICAN SAMOA	REPTILES	TURTLE, GREEN SEA	<i>Chelonia mydas</i>	E, T
		TURTLE, HAWKSBILL SEA	<i>Eretmochelys imbricata</i>	E
ARIZONA				
APACHE	BIRDS	EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T
		FALCON, PEREGRINE	<i>Falco peregrinus</i>	E
		OWL, MEXICAN SPOTTED	<i>Strix occidentalis lucida</i>	T
	FISHES	MINNOW, LOACH	<i>Rhinichthys (=Tiaroga) cobitis</i>	T
		SPINEDACE, LITTLE COLORADO	<i>Lepidomeda vittata</i>	T
		TROUT, APACHE	<i>Salmo apache</i>	T
	PLANTS	DOCK, CHIRICAHUA	<i>Rumex orthoneurus</i>	T
		FLEABANE, ZUNI	<i>Erigeron rhizomatus</i>	T
		SEDGE, NAVAJO	<i>Carex specuicola</i>	T
COCHISE	AMPHIBIANS	SALAMANDER, SONORA TIGER	<i>Ambystoma tigrinum</i>	E
	BIRDS	EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T
		FALCON, NORTHERN APLOMADO	<i>Falco femoralis septentrionalis</i>	E
		FALCON, PEREGRINE	<i>Falco peregrinus</i>	E
		FLYCATCHER, SOUTHWESTERN WILLOW.	<i>Empidonax traillii extimus</i>	E
		OWL, MEXICAN SPOTTED	<i>Strix occidentalis lucida</i>	T
	FISHES	CATFISH, YAQUI	<i>Ictalurus pricei</i>	T
		CHUB, YAQUI	<i>Gila purpurea</i>	E
		PUPFISH, DESERT	<i>Cyprinodon macularius</i>	E
		SHINER, BEAUTIFUL	<i>Notropis formosus</i>	T
		TOPMINNOW, GILA (YAQUI)	<i>Poeciliopsis occidentalis</i>	E
	MAMMALS	BAT, LESSER (=SANBORN'S) LONG-NOSED.	<i>Leptonycteris sanborni</i>	E
		JAGUARUNDI	<i>Felis yagouaroundi tolteca</i>	E
		OCELOT	<i>Felis pardalis</i>	E
		WOLF, GRAY	<i>Canis lupus</i>	E, T
	PLANTS	CACTUS, COCHISE PINCUSHION	<i>Coryphantha robbinsorum (=Cochiseia r., Escobaria r.)</i>	T
		DOCK, CHIRICAHUA	<i>Rumex orthoneurus</i>	T
		LADIES'-TRESSES, CANELO HILLS	<i>Spiranthes delitescens</i>	E
	REPTILES	RATTLESNAKE, NEW MEXICAN RIDGE-NOSED.	<i>Crotalus willardi obscurus</i>	T
COCONINO	BIRDS	EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T
		FALCON, PEREGRINE	<i>Falco peregrinus</i>	E

II. COUNTY/SPECIES LIST—Continued

[The following list identifies federally listed or proposed U.S. species by State and County. It has been updated through July 8, 1998. Species listed below with a status of both E and T are generally either endangered or threatened within the specified county.]

State/County	Group name	Inverse name	Scientific name	Status	
GILA	FISHES	OWL, MEXICAN SPOTTED	<i>Strix occidentalis lucida</i>	T	
		CHUB, HUMPBACK	<i>Gila cypha</i>	E	
		SPINEDACE, LITTLE COLORADO	<i>Lepidomeda vittata</i>	T	
	MAMMALS	SUCKER, RAZORBACK	<i>Xyrauchen texanus</i>	E	
		VOLE, HUALAPAI MEXICAN	<i>Microtus mexicanus hualpaiensis</i>	E	
	PLANTS	CACTUS, BRADY PINCUSHION	<i>Pediocactus bradyi</i>	E	
		CACTUS, SILER PINCUSHION	<i>Pediocactus sileri</i>	T	
	GRAHAM	GROUNDSEL, SAN FRANCISCO PEAKS.	GROUNDSEL, SAN FRANCISCO PEAKS.	<i>Senecio franciscanus</i>	T
			MILK-VETCH, SENTRY	<i>Astragalus cremnophylax</i> var. <i>cremnophylax</i> .	E
		MILKWEED, WELSH'S	MILKWEED, WELSH'S	<i>Asclepias welshii</i>	T
			SEDGE, NAVAJO	<i>Carex specuicola</i>	T
		SNAILS	AMBERSNAIL, KANAB	<i>Oxyloma haydeni kanabensis</i>	E
			EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T
		BIRDS	FALCON, PEREGRINE	<i>Falco peregrinus</i>	E
			FLYCATCHER, SOUTHWESTERN WILLOW.	<i>Empidonax traillii eximius</i>	E
		FISHES	MINNOW, LOACH	<i>Rhinichthys (=Tiaroga) cobitis</i>	T
			SQUAWFISH, COLORADO	<i>Ptychocheilus lucius</i>	E
	SUCKER, RAZORBACK	SUCKER, RAZORBACK	<i>Xyrauchen texanus</i>	E	
		TOPMINNOW, GILA (YAQUI)	<i>Poeciliopsis occidentalis</i>	E	
	PLANTS	AGAVE, ARIZONA	<i>Agave arizonica</i>	E	
CACTUS, ARIZONA HEDGEHOG		<i>Echinocereus triglochidiatus</i> var. <i>arizonicus</i> .	E		
GREENLEE	BIRDS	DOCK, CHIRICAHUA	<i>Rumex orthoneurus</i>	T	
		EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T	
	FALCON, PEREGRINE	FALCON, PEREGRINE	<i>Falco peregrinus</i>	E	
		OWL, MEXICAN SPOTTED	<i>Strix occidentalis lucida</i>	T	
	FISHES	PYGMY-OWL, CACTUS FERRUGINOUS	<i>Glaucidiumbrasilianum cactorum</i>	E	
		MINNOW, LOACH	<i>Rhinichthys (=Tiaroga) cobitis</i>	T	
	PUFFISH, DESERT	PUFFISH, DESERT	<i>Cyprinodon macularius</i>	E	
		SPIKEDACE	<i>Meda fulgida</i>	T	
	SUCKER, RAZORBACK	SUCKER, RAZORBACK	<i>Xyrauchen texanus</i>	E	
		TOPMINNOW, GILA (YAQUI)	<i>Poeciliopsis occidentalis</i>	E	
MAMMALS	TROUT, APACHE	<i>Salmo apache</i>	T		
	BAT, LESSER (=SANBORN'S) LONG-NOSED.	<i>Leptonycteris sanborni</i>	E		
JAGUARUNDI	JAGUARUNDI	<i>Felis yagouarundi tolteca</i>	E		
	OCELOT	<i>Felis pardalis</i>	E		
PLANTS	SQUIRREL, MOUNT GRAHAM RED	<i>Tamiasciurus hudsonicus grahamensis</i>	E		
	CLIFFROSE, ARIZONA	<i>Cowania subintegra</i>	E		
BIRDS	DOCK, CHIRICAHUA	<i>Rumex orthoneurus</i>	T		
	EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T		
FALCON, PEREGRINE	FALCON, PEREGRINE	<i>Falco peregrinus</i>	E		
	OWL, MEXICAN SPOTTED	<i>Strix occidentalis lucida</i>	T		
FISHES	MINNOW, LOACH	<i>Rhinichthys (=Tiaroga) cobitis</i>	T		
	SPIKEDACE	<i>Meda fulgida</i>	T		
SUCKER, RAZORBACK	SUCKER, RAZORBACK	<i>Xyrauchen texanus</i>	E		
	TROUT, APACHE	<i>Salmo apache</i>	T		
PLANTS	DOCK, CHIRICAHUA	<i>Rumex orthoneurus</i>	T		
	RAIL, YUMA CLAPPER	<i>Rallus longirostris yumanensis</i>	E		
BIRDS	CHUB, BONYTAIL	<i>Gila elegans</i>	E		
	PUFFISH, DESERT	<i>Cyprinodon macularius</i>	E		
MAMMALS	SUCKER, RAZORBACK	<i>Xyrauchen texanus</i>	E		
	EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T		
FALCON, PEREGRINE	FALCON, PEREGRINE	<i>Falco peregrinus</i>	E		
	OWL, MEXICAN SPOTTED	<i>Strix occidentalis lucida</i>	T		
FISHES	PYGMY-OWL, CACTUS FERRUGINOUS	<i>Glaucidiumbrasilianum cactorum</i>	E		
	RAIL, YUMA CLAPPER	<i>Rallus longirostris yumanensis</i>	E		
PUFFISH, DESERT	PUFFISH, DESERT	<i>Cyprinodon macularius</i>	E		
	TOPMINNOW, GILA (YAQUI)	<i>Poeciliopsis occidentalis</i>	E		
MAMMALS	BAT, LESSER (=SANBORN'S) LONG-NOSED.	<i>Leptonycteris sanborni</i>	E		
	PRONGHORN, SONORAN	<i>Antilocapra americana sonoriensis</i>	E		
PLANTS	AGAVE, ARIZONA	<i>Agave arizonica</i>	E		
	CACTUS, ARIZONA HEDGEHOG	<i>Echinocereus triglochidiatus</i> var. <i>arizonicus</i> .	E		
CLIFFROSE, ARIZONA	CLIFFROSE, ARIZONA	<i>Cowania subintegra</i>	E		
	EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T		
BIRDS	FALCON, PEREGRINE	<i>Falco peregrinus</i>	E		
	OWL, MEXICAN SPOTTED	<i>Strix occidentalis lucida</i>	T		
FISHES	RAIL, YUMA CLAPPER	<i>Rallus longirostris yumanensis</i>	E		
	CHUB, BONYTAIL	<i>Gila elegans</i>	E		
CHUB, HUMPBACK	CHUB, HUMPBACK	<i>Gila cypha</i>	E		
	CHUB, VIRGIN RIVER	<i>Gila robusta seminuda</i>	E		
SUCKER, RAZORBACK	SUCKER, RAZORBACK	<i>Xyrauchen texanus</i>	E		
	VOLE, HUALAPAI MEXICAN	<i>Microtus mexicanus hualpaiensis</i>	E		

II. COUNTY/SPECIES LIST—Continued

[The following list identifies federally listed or proposed U.S. species by State and County. It has been updated through July 8, 1998. Species listed below with a status of both E and T are generally either endangered or threatened within the specified county.]

State/County	Group name	Inverse name	Scientific name	Status	
NAVAJO	PLANTS	CACTUS, SILER PINCUSHION	<i>Pediocactus sileri</i>	T	
		CLIFFROSE, ARIZONA	<i>Cowania subintegra</i>	E	
		CYCLADENIA, JONES	<i>Cycladenia humilis</i> var. <i>jonesii</i>	T	
	REPTILES	TORTOISE, DESERT	<i>Gopherus</i> (=Xerobates, = <i>Scaptochelys agassizii</i>)	T	
	SNAILS	AMBERSNAIL, KANAB	<i>Oxyloma haydeni kanabensis</i>	E	
	BIRDS	EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T	
		FALCON, PEREGRINE	<i>Falco peregrinus</i>	E	
		OWL, MEXICAN SPOTTED	<i>Strix occidentalis lucida</i>	T	
	FISHES	CHUB, HUMPBACK	<i>Gila cypha</i>	E	
		MINNOW, LOACH	<i>Rhinichthys</i> (=Tiaroga) <i>cobitis</i>	T	
		SPINEDACE, LITTLE COLORADO	<i>Lepidomeda vittata</i>	T	
		TROUT, APACHE	<i>Salmo apache</i>	T	
	MAMMALS	JAGUAR	<i>Panthera onca</i>	E	
	PLANTS	CACTUS, PEEBLES NAVAJO	<i>Pediocactus peeblesianus</i> var. <i>peeblesianus</i>	E	
PIMA		DOCK, CHIRICAHUA	<i>Rumex orthoneurus</i>	T	
		GRASS, PARISH'S ALKALI	<i>Puccinellia parishii</i>	E	
		SEDGE, NAVAJO	<i>Carex specuicola</i>	T	
	BIRDS	BOBWHITE, MASKED	<i>Colinus virginianus ridgwayi</i>	E	
		EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T	
		FALCON, PEREGRINE	<i>Falco peregrinus</i>	E	
		OWL, MEXICAN SPOTTED	<i>Strix occidentalis lucida</i>	T	
		PYGMY-OWL, CACTUS FERRUGINOUS	<i>Glaucidiumbrasilianum cactorum</i>	E	
	FISHES	PUPFISH, DESERT	<i>Cyprinodon macularius</i>	E	
		TOPMINNOW, GILA (YAQUI)	<i>Poeciliopsis occidentalis</i>	E	
	MAMMALS	BAT, LESSER (=SANBORN'S) LONG-NOSED.	<i>Leptonycteris sanborni</i>	E	
		PLANTS	PRONGHORN, SONORAN	<i>Antilocapra americana sonoriensis</i>	E
		BLUESTAR, KEARNEY'S	<i>Amsonia kearneyana</i>	E	
		CACTUS, NICHOL'S TURK'S HEAD	<i>Echinocactus horzonthalonius</i> var. <i>nicholii</i>	E	
PINAL		CACTUS, PIMA PINEAPPLE	<i>Coryphantha scheeri</i> var. <i>robustispina</i>	E	
	SNAILS	TALUSSNAIL, SAN XAVIER	<i>Sonorella eremita</i>	E	
	BIRDS	EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T	
		FALCON, PEREGRINE	<i>Falco peregrinus</i>	E	
		PYGMY-OWL, CACTUS FERRUGINOUS	<i>Glaucidiumbrasilianum cactorum</i>	E	
		RAIL, YUMA CLAPPER	<i>Rallus longirostris yumanensis</i>	E	
	FISHES	MINNOW, LOACH	<i>Rhinichthys</i> (=Tiaroga) <i>cobitis</i>	T	
		PUPFISH, DESERT	<i>Cyprinodon macularius</i>	E	
		SPIKEDACE	<i>Meda fulgida</i>	T	
		SUCKER, RAZORBACK	<i>Xyrauchen texanus</i>	E	
		TOPMINNOW, GILA (YAQUI)	<i>Poeciliopsis occidentalis</i>	E	
	MAMMALS	BAT, LESSER (=SANBORN'S) LONG-NOSED.	<i>Leptonycteris sanborni</i>	E	
	PLANTS	CACTUS, ARIZONA HEDGEHOG	<i>Echinocereus triglochidiatus</i> var. <i>arizonicus</i>	E	
		CACTUS, NICHOL'S TURK'S HEAD	<i>Echinocactus horzonthalonius</i> var. <i>nicholii</i>	E	
SANTA CRUZ	AMPHIBIANS	SALAMANDER, SONORA TIGER	<i>Ambystoma tigrinum</i>	E	
	BIRDS	EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T	
		FALCON, NORTHERN APLOMADO	<i>Falco femoralis septentrionalis</i>	E	
		FALCON, PEREGRINE	<i>Falco peregrinus</i>	E	
		FLYCATCHER, SOUTHWESTERN WILLOW.	<i>Empidonax traillii extimus</i>	E	
		OWL, MEXICAN SPOTTED	<i>Strix occidentalis lucida</i>	T	
		PYGMY-OWL, CACTUS FERRUGINOUS	<i>Glaucidiumbrasilianum cactorum</i>	E	
	FISHES	CHUB, SONORA	<i>Gila ditaenia</i>	T	
		TOPMINNOW, GILA (YAQUI)	<i>Poeciliopsis occidentalis</i>	E	
	MAMMALS	BAT, LESSER (=SANBORN'S) LONG-NOSED.	<i>Leptonycteris sanborni</i>	E	
		PLANTS	CELOT	<i>Felis pardalis</i>	E
			CACTUS, PIMA PINEAPPLE	<i>Coryphantha scheeri</i> var. <i>robustispina</i>	E
		LADIES'-TRESSES, CANELO HILLS	<i>Spiranthes delitescens</i>	E	
YAVAPAI	BIRDS	UMBEL, HUACHUCA WATER	<i>Lilaeopsis schaffneriana</i> spp. <i>recuva</i>	E	
		EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T	
		FALCON, PEREGRINE	<i>Falco peregrinus</i>	E	
		OWL, MEXICAN SPOTTED	<i>Strix occidentalis lucida</i>	T	
	FISHES	PUPFISH, DESERT	<i>Cyprinodon macularius</i>	E	
		SPIKEDACE	<i>Meda fulgida</i>	T	
		SQUAWFISH, COLORADO	<i>Ptychocheilus lucius</i>	E	
		SUCKER, RAZORBACK	<i>Xyrauchen texanus</i>	E	
		TOPMINNOW, GILA (YAQUI)	<i>Poeciliopsis occidentalis</i>	E	
		TROUT, GILA	<i>Salmo gilae</i>	E	
		PLANTS	AGAVE, ARIZONA	<i>Agave arizonica</i>	E
	YUMA		CLIFFROSE, ARIZONA	<i>Cowania subintegra</i>	E
BIRDS		EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T	
		FALCON, PEREGRINE	<i>Falco peregrinus</i>	E	
		PELICAN, BROWN	<i>Pelicanus occidentalis</i>	E	

II. COUNTY/SPECIES LIST—Continued

[The following list identifies federally listed or proposed U.S. species by State and County. It has been updated through July 8, 1998. Species listed below with a status of both E and T are generally either endangered or threatened within the specified county.]

State/County	Group name	Inverse name	Scientific name	Status
CALIFORNIA ALAMEDA	FISHES	RAIL, YUMA CLAPPER	<i>Rallus longirostris yumanensis</i>	E
		SUCKER, RAZORBACK	<i>Xyrauchen texanus</i>	E
	MAMMALS	BAT, LESSER (=SANBORN'S) LONG-NOSED.	<i>Leptonycteris sanborni</i>	E
		PRONGHORN, SONORAN	<i>Antilocapra americana sonoriensis</i>	E
	REPTILES	LIZARD, FLATTAILED HORNED	<i>Phrynosoma mcallii</i>	T
		BIRDS	FALCON, PEREGRINE	<i>Falco peregrinus</i>
	BIRDS	PELICAN, BROWN	<i>Pelicanus occidentalis</i>	E
		PLOVER, WESTERN SNOWY	<i>Charadrius alexandrinus nivosus</i>	T
	BIRDS	RAIL, CALIFORNIA CLAPPER	<i>Rallus longirostris obsoletus</i>	E
		TERN, CALIFORNIA LEAST	<i>Sterna antillarum browni</i>	E
	CRUSTACEAN	LINDERIELLA, CALIFORNIA	<i>Linderiella occidentalis</i>	E
		SHRIMP, LONGHORN FAIRY	<i>Branchinecta longiantenna</i>	E
	FISHES	SHRIMP, VERNAL POOL FAIRY	<i>Branchinecta lynchi</i>	T
		GOBY, TIDEWATER	<i>Eucyclogobius newberryi</i>	E
	FISHES	SALMON, CHINOOK (CENTRAL VALLEY SPRING RUN).	<i>Oncorhynchus tshawytscha</i>	E
		SALMON, CHINOOK (CENTRAL VALLEY FALL RUN).	<i>Oncorhynchus tshawytscha</i>	T
	FISHES	TROUT, STEELHEAD (CENTRAL VALLEY RUN).	<i>Oncorhynchus mykiss</i>	T
		BUTTERFLY, BAY CHECKERSPOT	<i>Euphydryas editha bayensis</i>	T
	INSECTS	CALLIPPE SILVERSPOT BUTTERFLY	<i>Speyeria callippe callippe</i>	E
MOUSE, SALT MARSH HARVEST		<i>Vulpes macrotis mutica</i>	E	
MAMMALS	FOX, SAN JOAQUIN KIT	<i>Reithrodontomys raviventris</i>	E	
	BIRD'S-BEAK, PALMATE-BRACTED	<i>Cordylanthes palmatus</i>	E	
PLANTS	CLARKIA, PRESIDIO	<i>Clarkia franciscana</i>	E	
	DUDLEYA, SANTA CLARA VALLEY	<i>Dudleya setchellii</i>	E	
PLANTS	FIDDLENECK, LARGE-FLOWERED	<i>Amsinckia grandiflora</i>	E	
	GOLDFIELDS, CONTRA COSTA	<i>Lasthenia conjugens</i>	E	
PLANTS	MANZANITA, PALLID	<i>Arctostaphylos pallida</i>	T	
	NAVARRERIA, FEW-FLOWERED	<i>Navarretia leucocephala</i> ssp. <i>pauciflora</i>	E	
PLANTS	NAVARRERIA, MANY-FLOWERED	<i>Navarretia leucocephala</i> ssp. <i>pliantha</i>	E	
	STONECROP, LAKE COUNTY	<i>Parvisedum leiocarpum</i>	E	
REPTILES	WHIPSNAKE, ALAMEDA	<i>Masticophis lateralis euryxanthus</i>	E	
	WHIPSNAKE, ALAMEDA (STRIPED RACER).	<i>Masticophis lateralis euryxanthus</i>	T	
ALPINE	BIRDS	FALCON, PEREGRINE	<i>Falco peregrinus</i>	E
	FISHES	TROUT, LAHONTAN CUTTHROAT	<i>Salmo clarki henshawi</i>	T
AMADOR	FISHES	TROUT, PAIUTE CUTTHROAT	<i>Salmo clarki seleniris</i>	T
	BIRDS	EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T
AMADOR	BIRDS	FALCON, PEREGRINE	<i>Falco peregrinus</i>	E
	FISHES	SALMON, CHINOOK (CENTRAL VALLEY FALL RUN).	<i>Oncorhynchus tshawytscha</i>	T
AMADOR	FISHES	TROUT, STEELHEAD (CENTRAL VALLEY RUN).	<i>Oncorhynchus mykiss</i>	T
	PLANTS	BUCKWHEAT, IONE	<i>Eriogonum apricum</i>	E
BUTTE	PLANTS	MANZANITA, IONE	<i>Arctostaphylos myrtifolia</i>	T
	BIRDS	EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T
BUTTE	BIRDS	FALCON, PEREGRINE	<i>Falco peregrinus</i>	E
	CRUSTACEAN	GOOSE, ALEUTIAN CANADA	<i>Branta canadensis leucopareia</i>	T
BUTTE	CRUSTACEAN	SHRIMP, CONSERVANCY FAIRY	<i>Branchinecta conservatio</i>	E
	SHRIMP, VERNAL POOL TADPOLE	<i>Lepidurus packardii</i>	E	
BUTTE	FISHES	SALMON, CHINOOK (CENTRAL VALLEY FALL RUN).	<i>Oncorhynchus tshawytscha</i>	T
	FISHES	SALMON, CHINOOK (CENTRAL VALLEY SPRING RUN).	<i>Oncorhynchus tshawytscha</i>	E
BUTTE	FISHES	SALMON, CHINOOK (SACRAMENTO RIVER WINTER RUN).	<i>Oncorhynchus tshawytscha</i>	E
	FISHES	TROUT, STEELHEAD (CENTRAL VALLEY RUN).	<i>Oncorhynchus mykiss</i>	T
BUTTE	FISHES	STEELHEAD, CALIFORNIA CENTRAL VALLEY POP.	<i>Oncorhynchus mykiss</i> , (Central Valley ESU).	E
	INSECTS	BEEBLE, VALLEY ELDERBERRY LONGHORN.	<i>Desmocercus californicus dimorphus</i>	T
BUTTE	PLANTS	MEADOWFOAM, BUTTE COUNTY	<i>Limnanthes floccosa</i> ssp. <i>californica</i>	E
	PLANTS	SPURGE, HOOVER'S	<i>Chamaesyce hooveri</i>	T
BUTTE	REPTILES	TUCTORIA, GREEN'S	<i>Tuctoria greeni</i>	E
	REPTILES	SNAKE, GIANT GARTER	<i>Thamnophis gigas</i>	T
CALAVERAS	BIRDS	EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T
	BIRDS	FALCON, PEREGRINE	<i>Falco peregrinus</i>	E
CALAVERAS	CRUSTACEAN	SHRIMP, VERNAL POOL TADPOLE	<i>Lepidurus packardii</i>	E
	FISHES	SALMON, CHINOOK (CENTRAL VALLEY FALL RUN).	<i>Oncorhynchus tshawytscha</i>	T
CALAVERAS	FISHES	TROUT, STEELHEAD (CENTRAL VALLEY RUN).	<i>Oncorhynchus mykiss</i>	T
	PLANTS	MANZANITA, IONE	<i>Arctostaphylos myrtifolia</i>	T

II. COUNTY/SPECIES LIST—Continued

[The following list identifies federally listed or proposed U.S. species by State and County. It has been updated through July 8, 1998. Species listed below with a status of both E and T are generally either endangered or threatened within the specified county.]

State/County	Group name	Inverse name	Scientific name	Status	
COLUSA	BIRDS	EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T	
		FALCON, PEREGRINE	<i>Falco peregrinus</i>	E	
		GOOSE, ALEUTIAN CANADA	<i>Branta canadensis leucopareia</i>	T	
	CRUSTACEAN	SHRIMP, VERNAL POOL TADPOLE	<i>Lepidurus packardii</i>	E	
		FISHES	SALMON, CHINOOK (CENTRAL VALLEY FALL RUN).	<i>Oncorhynchus tshawytscha</i>	T
			SALMON, CHINOOK (CENTRAL VALLEY SPRING RUN).	<i>Oncorhynchus tshawytscha</i>	E
	INSECTS	STEELHEAD, CALIFORNIA CENTRAL VALLEY POP.	<i>Oncorhynchus mykiss</i> , (Central Valley ESU).	E	
		TROUT, STEELHEAD (CENTRAL VALLEY DRUM).	<i>Oncorhynchus mykiss</i>	T	
		BEEBLE, VALLEY ELDERBERRY LONGHORN.	<i>Desmocerus californicus dimorphus</i>	T	
	PLANTS	BIRD'S-BEAK, PALMATE-BRACTED	<i>Cordylanthes palmatus</i>	E	
	REPTILES	SNAKE, GIANT GARTER	<i>Thamnophis gigas</i>	T	
	CONTRA COSTA	BIRDS	FALCON, PEREGRINE	<i>Falco peregrinus</i>	E
			GOOSE, ALEUTIAN CANADA	<i>Branta canadensis leucopareia</i>	T
			PELICAN, BROWN	<i>Pelicanus occidentalis</i>	E
		CRUSTACEAN	RAIL, CALIFORNIA CLAPPER	<i>Rallus longirostris obsoletus</i>	E
TERN, CALIFORNIA LEAST			<i>Sterna antillarum browni</i>	E	
LINDERIELLA, CALIFORNIA			<i>Linderiella occidentalis</i>	E	
FISHES		SHRIMP, LONGHORN FAIRY	<i>Branchinecta longiantenna</i>	E	
		SHRIMP, VERNAL POOL FAIRY	<i>Branchinecta lynchi</i>	T	
		GOBY, TIDEWATER	<i>Eucyclogobius newberryi</i>	E	
INSECTS		SALMON, CHINOOK (CENTRAL VALLEY FALL RUN).	<i>Oncorhynchus tshawytscha</i>	T	
		SALMON, CHINOOK (SACRAMENTO RIVER WINTER RUN).	<i>Oncorhynchus tshawytscha</i>	E	
		STEELHEAD, CALIFORNIA CENTRAL VALLEY POP.	<i>Oncorhynchus mykiss</i> , (Central Valley ESU).	E	
MAMMALS		TARPLANT, SANTA CRUZ	<i>Holocarpha macradenia</i>	T	
		TROUT, STEELHEAD (CENTRAL VALLEY RUN).	<i>Oncorhynchus mykiss</i>	T	
		BUTTERFLY, BAY CHECKERSPOT	<i>Euphydryas editha bayensis</i>	T	
PLANTS	BUTTERFLY, LANGE'S METALMARK	<i>Apodemia mormo langei</i>	E		
	FOX, SAN JOAQUIN KIT	<i>Vulpes macrotis mutica</i>	E		
	MOUSE, SALT MARSH HARVEST	<i>Reithrodontomys raviventris</i>	E		
COWLITZ	REPTILES	DUDLEYA, SANTA CLARA VALLEY	<i>Dudleya setchellii</i>	E	
		EVENING-PRIMROSE, ANTIOCH DUNES.	<i>Oenothera deltoides ssp. howellii</i>	E	
		FIDDLENECK, LARGE-FLOWERED	<i>Amsinckia grandiflora</i>	E	
	FISHES	GOLDFIELDS, CONTRA COSTA	<i>Lasthenia conjugens</i>	E	
		MANZANITA, PALLID	<i>Arctostaphylos pallida</i>	T	
		NAVARRERIA, FEW-FLOWERED	<i>Navarretia leucocephala ssp. pauciflora</i>	E	
	MAMMALS	NAVARRERIA, MANY-FLOWERED	<i>Navarretia leucocephala ssp. plieantha</i>	E	
		SOFT BIRD'S BEAK	<i>Cordylanthus mollis</i>	E	
		STONECROP, LAKE COUNTY	<i>Parvisedum leiocarpum</i>	E	
	REPTILES	WALLFLOWER, CONTRA COSTA	<i>Erysimum capitatum var. angustatum</i>	E	
		WHIPSNAKE, ALAMEDA	<i>Masticophis lateralis euryxanthus</i>	E	
		WHIPSNAKE, ALAMEDA (STRIPED RACER).	<i>Masticophis lateralis euryxanthus</i>	T	
	FISHES	STEELHEAD, LOWER COLUMBIA RIVER POPULATION.	<i>Oncorhynchus mykiss</i> , (Lower Columbia ESU).	T	
		FROG, CALIFORNIA RED-LEGGED	<i>Rana Aurora Draytonii</i>	T	
		EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T	
DEL NORTE	BIRDS	FALCON, PEREGRINE	<i>Falco peregrinus</i>	E	
		GOOSE, ALEUTIAN CANADA	<i>Branta canadensis leucopareia</i>	T	
		MURRELET, MARBLED	<i>Brachyramphus marmoratus</i>	T	
	FISHES	OWL, NORTHERN SPOTTED	<i>Strix occidentalis caurina</i>	T	
		PELICAN, BROWN	<i>Pelicanus occidentalis</i>	E	
		PLOVER, WESTERN SNOWY	<i>Charadrius alexandrinus nivosus</i>	T	
	INSECTS	GOBY, TIDEWATER	<i>Eucyclogobius newberryi</i>	E	
		SALMON, CHINOOK (SOUTHERN OREGON AND CALIFORNIA COASTAL RUN).	<i>Oncorhynchus tshawytscha</i>	T	
		SALMON, COHO (SOUTHERN OREGON/NORTHERN CALIFORNIA COAST).	<i>Oncorhynchus kisutch</i>	T	
	PLANTS	BUTTERFLY, OREGON SILVERSPOT	<i>Speyeria zerene hippolyta</i>	T	
	WALLFLOWER, MENZIE'S	<i>Erysimum menziesii</i>	E		
	EL DORADO	BIRDS	EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T
			FALCON, PEREGRINE	<i>Falco peregrinus</i>	E
			SHRIMP, VERNAL POOL TADPOLE	<i>Lepidurus packardii</i>	E
	CRUSTACEAN	SALMON, CHINOOK (CENTRAL VALLEY SPRING RUN).	<i>Oncorhynchus tshawytscha</i>	E	
FISHES		SALMON, CHINOOK (CENTRAL VALLEY FALL RUN).	<i>Oncorhynchus tshawytscha</i>	T	

II. COUNTY/SPECIES LIST—Continued

[The following list identifies federally listed or proposed U.S. species by State and County. It has been updated through July 8, 1998. Species listed below with a status of both E and T are generally either endangered or threatened within the specified county.]

State/County	Group name	Inverse name	Scientific name	Status
FRESNO	INSECTS	TROUT, LAHONTAN CUTTHROAT	<i>Salmo clarki henshawi</i>	T
		BEETLE, VALLEY ELDERBERRY LONG-HORN.	<i>Desmocerus californicus dimorphus</i>	T
	PLANTS	BEDSTRAW, EL DORADO	<i>Galium californicum</i> ssp. <i>Sierrae</i>	E
		BUTTERWEED, LAYNE'S	<i>Senecio layneae</i>	T
		CEANOTHUS, PINE HILL	<i>Ceanothus roderickii</i>	E
		FLANNELBUSH, PINE HILL	<i>Fremontodendron californicum</i> ssp. <i>decumbens</i> .	E
	PLANTS	MORNING-GLORY, STEBBINS	<i>Calystegia stebbinsii</i>	E
		ADOBE SUNBURST, SAN JOAQUIN	<i>Pseudobahia peirsonii</i>	T
	BIRDS	EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T
		FALCON, PEREGRINE	<i>Falco peregrinus</i>	E
	FISHES	TROUT, LITTLE KERN GOLDEN	<i>Salmo aguabonita whitei</i>	T
		TROUT, PAIUTE CUTTHROAT	<i>Salmo clarki seleniris</i>	T
	INSECTS	BEETLE, VALLEY ELDERBERRY LONG-HORN.	<i>Desmocerus californicus dimorphus</i>	T
		MAMMALS	FOX, SAN JOAQUIN KIT	<i>Vulpes macrotis mutica</i>
	PLANTS		RAT, FRESNO KANGAROO	<i>Dipodomys nitratoides exilis</i>
		RAT, GIANT KANGAROO	<i>Dipodomys ingens</i>	E
		BIRD'S-BEAK, PALMATE-BRACTED	<i>Cordylanthus palmatus</i>	E
		CARPENTERIA	<i>Carpenteria californica</i>	T
		DUDLEYA, SANTA CLARA VALLEY	<i>Dudleya setchellii</i>	E
		GOLDEN SUNBURST, HARTWEG'S	<i>Pseudobahia bahiifolia</i>	E
JEWELFLOWER, CALIFORNIA		<i>Caulanthus californicus</i>	E	
OWL'S-CLOVER, FLESHY		<i>Castilleja campestris</i> ssp. <i>succulenta</i>	E	
PUSSYPAWS, MARIPOSA		<i>Calyptidium pulchellum</i>	E	
WOOLLY-STAR, HOOVER'S		<i>Eriastrum hooveri</i>	T	
REPTILES	WOOLLY-THREADS, SAN JOAQUIN	<i>Lembertia congdonii</i>	E	
	LIZARD, BLUNT-NOSED LEOPARD	<i>Gambelia (crotaphytus) silus</i>	E	
SNAKE, GIANT GARTER		<i>Thamnophis gigas</i>	T	
	BIRDS	EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T
CRUSTACEAN		FALCON, PEREGRINE	<i>Falco peregrinus</i>	E
	GOOSE, ALEUTIAN CANADA	<i>Branta canadensis leucopareia</i>	T	
	MURRELET, MARBLED	<i>Brachyramphus marmoratus</i>	T	
	OWL, NORTHERN SPOTTED	<i>Strix occidentalis caurina</i>	T	
	SHRIMP, VERNAL POOL TADPOLE	<i>Lepidurus packardii</i>	E	
	SALMON, CHINOOK (CENTRAL VALLEY FALL RUN).	<i>Oncorhynchus tshawytscha</i>	T	
	SALMON, CHINOOK (CENTRAL VALLEY SPRING RUN).	<i>Oncorhynchus tshawytscha</i>	E	
	SALMON, CHINOOK (SACRAMENTO RIVER WINTER RUN).	<i>Oncorhynchus tshawytscha</i>	E	
	SALMON, CHINOOK (SOUTHERN OREGON AND CALIFORNIA COASTAL RUN).	<i>Oncorhynchus mykiss</i> , (Central Valley ESU).	E	
	STEELHEAD, CALIFORNIA CENTRAL VALLEY POP.	<i>Oncorhynchus mykiss</i>	T	
INSECTS	BEETLE, VALLEY ELDERBERRY LONG-HORN.	<i>Desmocerus californicus dimorphus</i>	T	
	PLANTS	GRASS, HAIRY ORCUTT	<i>Orcuttia pilosa</i>	E
SPURGE, HOOVER'S		<i>Chamaesyce hooveri</i>	T	
REPTILES	SNAKE, GIANT GARTER	<i>Thamnophis gigas</i>	T	
	ADOBE SUNBURST, SAN JOAQUIN	<i>Pseudobahia peirsonii</i>	T	
HUMBERT	BIRDS	EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T
		FALCON, PEREGRINE	<i>Falco peregrinus</i>	E
HOKE	PLANTS	GOOSE, ALEUTIAN CANADA	<i>Branta canadensis leucopareia</i>	T
		MURRELET, MARBLED	<i>Brachyramphus marmoratus</i>	T
	FISHES	OWL, NORTHERN SPOTTED	<i>Strix occidentalis caurina</i>	T
		PELICAN, BROWN	<i>Pelicanus occidentalis</i>	E
	PLOVER, WESTERN SNOWY		<i>Charadrius alexandrinus nivosus</i>	T
		GOBY, TIDEWATER	<i>Eucyclogobius newberryi</i>	E
	SALMON, CHINOOK (SOUTHERN OREGON AND CALIFORNIA COASTAL RUN).		<i>Oncorhynchus kisutch</i>	E
		SALMON, COHO (CENTRAL CALIFORNIA COAST POP).	<i>Oncorhynchus kisutch</i>	T
	SALMON, COHO (SOUTHERN OR/NORTHERN CALIFORNIA COAST).		<i>Oncorhynchus mykiss</i> , (Northern California ESU).	T
		STEELHEAD, NORTHERN CALIFORNIA POPULATION.	<i>Layia carnosa</i>	E
PLANTS	LAYIA, BEACH	<i>Lilium occidentale</i>	E	
	LILY, WESTERN	<i>Thalspi californicum</i>	E	
PENNYCRESS, KNEELAND PRAIRIE		<i>Erysimum menziesii</i>	E	
	WALLFLOWER, MENZIE'S	<i>Lepidochelys olivacea</i>	E, T	
REPTILES	TURTLE, OLIVE (PACIFIC) RIDLEY SEA	<i>Bufo microscaphus californicus</i>	E	
	AMPHIBIANS	TOAD, ARROYO SOUTHWESTERN		E
IMPERIAL				

II. COUNTY/SPECIES LIST—Continued

[The following list identifies federally listed or proposed U.S. species by State and County. It has been updated through July 8, 1998. Species listed below with a status of both E and T are generally either endangered or threatened within the specified county.]

State/County	Group name	Inverse name	Scientific name	Status
	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
		FALCON, PEREGRINE	Falco peregrinus	E
	GOOSE, ALEUTIAN CANADA	Branta canadensis leucopareia	T	
		PELICAN, BROWN	Pelicanus occidentalis	E
		RAIL, YUMA CLAPPER	Rallus longirostris yumanensis	E
	FISHES	CHUB, BONYTAIL	Gila elegans	E
		PUPFISH, DESERT	Cyprinodon macularius	E
		SQUAWFISH, COLORADO	Ptychocheilus lucius	E
	MAMMALS	SUCKER, RAZORBACK	Xyrauchen texanus	E
		SHEE DESERT BIGHORN (PENINSULAR SEGMENT)	Ovis canadensis	E
PLANTS	MILK-VETCH, PIERSON'S	Astragalus magdalenae var. piersonii	E	
REPTILES	LIZARD, FLAT-TAILED HORNED	Phrynosoma mcallii	T	
REPTILES	TORTOISE, DESERT	Gopherus(=Xerobates, =Scaptochelys) agassizii.	T	
INYO	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
		FALCON, PEREGRINE	Falco peregrinus	E
	GOOSE, ALEUTIAN CANADA	Branta canadensis leucopareia	T	
		TOWHEE, INYO BROWN	Pipilo fuscus eremophilus	T
		VIREO, LEAST BELL'S	Vireo bellii pusillus	E
	FISHES	CHUB, OWENS TUI	Gila bicolor snyderi	E
		DACE, ASH MEADOWS SPECKLED	Rhinichthys osculus nevadensis	E
		PUPFISH, OWENS	Cyprinodon radiosus	E
	MAMMALS	TROUT, LAHONTAN CUTTHROAT	Salmo clarki henschawi	T
	PLANTS	VOLE, AMARGOSA	Microtus californicus scirpensis	E
	CENTAURY, SPRING-LOVING	Centaurium namophilum var. namophilum	T	
	EVENING-PRIMROSE, EUREKA VALLEY.	Oenothera avita ssp. eurekaensis	E	
	GRASS, EUREKA DUNE	Swallenia alexandrae	E	
	GUMPLANT, ASH MEADOWS	Grindelia fraxino-pratensis	T	
KERN	REPTILES	IVESIA, ASH MEADOWS	Ivesia eremica	T
		MILK-VETCH, FISH SLOUGH	Astragalus lentiginosus var. piscinensis	E
		MILK-VETCH, SHINING	Astragalus lentiginosus var. micans	T
		MILK-VETCH, SODAVILLE	Astragalus lentiginosus var. sesquimetralis.	T
		NITERWORT, AMARGOSA	Nitrophila mohavensis	E
		TORTOISE, DESERT	Gopherus (=Xerobates,=Scaptochelys) agassizii.	T
	BIRDS	CONDOR, CALIFORNIA	Gymnogyps californianus	E
		EAGLE, BALD	Haliaeetus leucocephalus	T
		FALCON, PEREGRINE	Falco peregrinus	E
		FLYCATCHER, SOUTHWESTERN WILLOW.	Empidonax traillii extimus	E
	VIREO, LEAST BELL'S	Vireo bellii pusillus	E	
INSECTS	MOTH, KERN PRIMROSE SPHINX	Euproserpinus euterpe	T	
MAMMALS	FOX, SAN JOAQUIN KIT	Vulpes macrotis mutica	E	
	RAT, GIANT KANGAROO	Dipodomys ingens	E	
	RAT, TIPTON KANGAROO	Dipodomys nitratoides	E	
PLANTS	CACTUS, BAKERSFIELD	Opuntia treleasei	E	
	GRASS, PARISH'S ALKALI	Puccinellia parishii	E	
	JEWELFLOWER, CALIFORNIA	Caulanthus californicus	E	
	LILY, GREENHORN ADOBE	Fritillaria striata	T	
	MALLOW, KERN	Eremalche kernensis	E	
	MONKEY-FLOWER, KELSO CREEK	Mimulus shevockii	E	
	NAVARRERIA, PIUTE MOUNTAINS	Navarretia setiloba	T	
	WOOLLY-STAR, HOOVER'S	Eriastrum hooveri	T	
	WOOLLY-THREADS, SAN JOAQUIN	Lembertia congdonii	E	
REPTILES	LIZARD, BLUNT-NOSED LEOPARD	Gambelia (Crotaphytus) silus	E	
	TORTOISE, DESERT	Gopherus (=Xerobates, =Scaptochelys) agassizii.	T	
KINGS	BIRDS	FALCON, PEREGRINE	Falco peregrinus	E
		GOOSE, ALEUTIAN CANADA	Branta canadensis leucopareia	T
	MAMMALS	FOX, SAN JOAQUIN KIT	Vulpes macrotis mutica	E
		RAT, FRESNO KANGAROO	Dipodomys nitratoides exilis	E
		RAT GIANT KANGAROO	Dipodomys ingens	E
		RAT, TIPTON KANGAROO	Dipodomys nitratoides	E
	PLANTS	JEWELFLOWER, CALIFORNIA	Caulanthus californicus	E
		WOOLLY-STAR, HOOVER'S	Eriastrum hooveri	T
		WOOLLY-THREADS, SAN JOAQUIN	Lembertia congdonii	E
	REPTILES	LIZARD, BLUNT-NOSED LEOPARD	Gambelia (Crotaphytus) silus	E
LAKE	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
		FALCON, PEREGRINE	Falco peregrinus	E
		MURRELET, MARBLED	Brachyramphus marmoratus	T
		OWL, NORTHERN SPOTTED	Strix occidentalis caurina	T
	FISHES	SALMON, CHINOOK (SOUTHERN OREGON AND CALIFORNIA COASTAL RUN).	Oncorhynchus tshawytscha	T
		SPLITTAIL, SACRAMENTO	Pogonichthys macrolepidotus	T
	PLANTS	COYOTE-THISTLE, LOCH LOMOND	Eryngium constancei	T

II. COUNTY/SPECIES LIST—Continued

[The following list identifies federally listed or proposed U.S. species by State and County. It has been updated through July 8, 1998. Species listed below with a status of both E and T are generally either endangered or threatened within the specified county.]

State/County	Group name	Inverse name	Scientific name	Status
LASSEN	BIRDS	GOLDFIELDS, BURKE'S	<i>Lasthenia burkei</i>	E
		GRASS, SLENDER ORCUTT	<i>Orcuttia tenuis</i>	T
LOS ANGELES	BIRDS	EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T
		FALCON, PEREGRINE	<i>Falco peregrinus</i>	E
LOS ANGELES	FISHES	OWL, NORTHERN SPOTTED	<i>Strix occidentalis caurina</i>	T
		SUCKER, MODOC	<i>Catostomus microps</i>	E
LOS ANGELES	PLANTS	CEANOTHUS, VAIL LAKE	<i>Ceanothus ophiochilus</i>	T
		MOUNTAIN-MAHOGANY, CATALINA ISLAND.	<i>Cercocarpus traskiae</i>	E
LOS ANGELES	PLANTS	RUSH-ROSE, ISLAND	<i>Helianthemum greenei</i>	T
		SANDWORT, MARSH	<i>Arenaria paludicola</i>	E
LOS ANGELES	BIRDS	WOODLAND-STAR, SAN CLEMENTE ISLAND.	<i>Lithophragma maximum</i>	E
		TOAD, ARROYO SOUTHWESTERN	<i>Bufo microscaphus californicus</i>	E
LOS ANGELES	BIRDS	CONDOR, CALIFORNIA	<i>Gymnogyps californianus</i>	E
		EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T
LOS ANGELES	BIRDS	FALCON, PEREGRINE	<i>Falco peregrinus</i>	E
		FLYCATCHER, SOUTHWESTERN WILLOW.	<i>Empidonax traillii extimus</i>	E
LOS ANGELES	BIRDS	GNATCATCHER, COASTAL CALIFORNIA.	<i>Polioptila californica californica</i>	T
		MURRELET, MARBLED	<i>Brachyramphus marmoratus</i>	T
LOS ANGELES	BIRDS	PELICAN, BROWN	<i>Pelicanus occidentalis</i>	E
		PLOVER, WESTERN SNOWY	<i>Charadrius alexandrinus nivosus</i>	T
LOS ANGELES	BIRDS	RAIL, LIGHT-FOOTED CLAPPER	<i>Rallus longirostris levipes</i>	E
		SHRIKE, SAN CLEMENTE LOGGERHEAD.	<i>Lanius ludovicianus mearnsi</i>	E
LOS ANGELES	BIRDS	SPARROW, SAN CLEMENTE SAGE	<i>Amphispiza belli clementeae</i>	T
		TERN, CALIFORNIA LEAST	<i>Sterna antillarum browni</i>	E
LOS ANGELES	BIRDS	VIREO, LEAST BELL'S	<i>Vireo bellii pusillus</i>	E
		CHUB, MOHAVE TUI	<i>Gila bicolor mohavensis</i>	E
LOS ANGELES	BIRDS	GOBY, TIDEWATER	<i>Eucyclogobius newberryi</i>	E
		STEELHEAD, SOUTHERN CALIFORNIA POPULATION.	<i>Oncorhynchus mykiss</i> , (Southern California) ESU.	E
LOS ANGELES	BIRDS	STICKLEBACK, UNARMORED THREESPINE.	<i>Gasterosteus aculeatus williamsoni</i>	E
		BUTTERFLY, EL SEGUNDO BLUE	<i>Euphilotes (=Shijimiaeooides) battoides allyni</i>	E
LOS ANGELES	BIRDS	BUTTERFLY, PALOS VERDES BLUE	<i>Glaucopsyche lygdamus palosverdesensis</i>	E
		FOX, SAN JOAQUIN KIT	<i>Vulpes macrotis mutica</i>	E
LOS ANGELES	MAMMALS	MOUSE, PACIFIC POCKET	<i>Perognathus longimembris pacificus</i>	E
		BARBERRY, NEVIN'S	<i>Berberis nevinii</i>	T
LOS ANGELES	PLANTS	BEARGRASS, DEHESA	<i>Nolina interrata</i>	T
		BIRD'S-BEAK, SALT MARSH	<i>Cordylanthus maritimus ssp. maritimus</i>	E
LOS ANGELES	PLANTS	BRODIAEA, THREAD-LEAVED	<i>Brodiaea filifolia</i>	T
		BROOM, SAN CLEMENTE ISLAND	<i>Lotus dendroideus ssp. traskiae</i>	E
LOS ANGELES	PLANTS	BUSH-MALLOW, SAN CLEMENTE ISLAND.	<i>Malacothamnus clementinus</i>	E
		CEANOTHUS, VAIL LAKE	<i>Ceanothus ophiochilus</i>	T
LOS ANGELES	PLANTS	CROWNSCALE, SAN JACINTO VALLEY	<i>Atriplex coronata var notatior</i>	E
		DUDLEYA, MARCESCENT	<i>Dudleya cymosa ssp. marcescens</i>	T
LOS ANGELES	PLANTS	DUDLEYA, SANTA MONICA MOUNTAINS.	<i>Dudleya cymosa ssp. ovatifolia</i>	T
		FLANNELBUSH, MEXICAN	<i>Fremontodendron mexicanum</i>	T
LOS ANGELES	PLANTS	LARKSPUR, SAN CLEMENTE ISLAND	<i>Delphinium kinkiense</i>	E
		MILK-VETCH, BRAUNTON'S	<i>Astragalus brauntonii</i>	E
LOS ANGELES	PLANTS	NAVARRERIA, SPREADING	<i>Navarretia fossalis</i>	T
		ONION, MUNZ'S	<i>Allium munzii</i>	E
LOS ANGELES	PLANTS	PAINTBRUSH, SAN CLEMENTE ISLAND INDIAN.	<i>Castilleja grisea</i>	E
		PENTACHAETA, LYON'S	<i>Pentachaeta lyonii</i>	E
LOS ANGELES	PLANTS	SPINEFLOWER, SLENDER-HORNED	<i>Centrostegia leptoceras</i>	E
		WATERCRESS, GAMBEL'S	<i>Rorippa gambellii</i>	E
LOS ANGELES	REPTILES	LIZARD, BLUNT-NOSED LEOPARD	<i>Gambelia (Crotaphytus) silus</i>	E
		LIZARD, ISLAND NIGHT	<i>Xantusia (Klaubernina) riversiana</i>	T
LOS ANGELES	REPTILES	TORTOISE, DESERT	<i>Gopherus (=Xerobates, =Scaptochelys) agassizii</i>	T
		ADOBE SUNBURST, SAN JOAQUIN	<i>Pseudobahia peirsonii</i>	T
MADERA	BIRDS	EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T
		FALCON, PEREGRINE	<i>Falco peregrinus</i>	E
MADERA	FISHES	TROUT, LAHONTAN CUTTHROAT	<i>Salmo clarki henschawi</i>	T
		TROUT, PAIUTE CUTTHROAT	<i>Salmo clarki seleniris</i>	T
MADERA	INSECTS	BEETLE, VALLEY ELDERBERRY LONGHORN.	<i>Desmocerus californicus dimorphus</i>	T
		FOX, SAN JOAQUIN KIT	<i>Vulpes macrotis mutica</i>	E
MADERA	MAMMALS	RAT, FRESNO KANGAROO	<i>Dipodomys nitratoides exilis</i>	E
		BIRD'S-BEAK, PALMATE-BRACTED	<i>Cordylanthus palmatus</i>	E
MADERA	PLANTS	GOLDEN SUNBURST, HARTWEG'S	<i>Pseudobahia bahiifolia</i>	E

II. COUNTY/SPECIES LIST—Continued

[The following list identifies federally listed or proposed U.S. species by State and County. It has been updated through July 8, 1998. Species listed below with a status of both E and T are generally either endangered or threatened within the specified county.]

State/County	Group name	Inverse name	Scientific name	Status	
MARIN	REPTILES AMPHIBIANS BIRDS	GRASS, HAIRY ORCUTT	<i>Orcuttia pilosa</i>	E	
		LUPINE, CLOVER	<i>Lupinus tidestromii</i>	E	
		OWL'S-CLOVER, FLESHY	<i>Castilleja campestris</i> ssp. <i>succulenta</i>	E	
		PUSSYPAWS, MARIPOSA	<i>Calyptidium pulchellum</i>	E	
		LIZARD, BLUNT-NOSED LEOPARD	<i>Gambelia (Crotaphytus) silus</i>	E	
		FROG, CALIFORNIA RED-LEGGED	<i>Rana Aurora Draytonii</i>	T	
		EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T	
		FALCON, PEREGRINE	<i>Falco peregrinus</i>	E	
		MURRELET, MARBLED	<i>Brachyramphus marmoratus</i>	T	
		OWL, NORTHERN SPOTTED	<i>Strix occidentalis caurina</i>	T	
		PELICAN, BROWN	<i>Pelicanus occidentalis</i>	E	
		PLOVER, WESTERN SNOWY	<i>Charadrius alexandrinus nivosus</i>	T	
		RAIL, CALIFORNIA CLAPPER	<i>Rallus longirostris obsoletus</i>	E	
		SHRIMP, CALIFORNIA FRESHWATER	<i>Syncaris pacifica</i>	E	
		GOPY, TIDEWATER	<i>Eucyclogobius newberryi</i>	E	
	CRUSTACEAN FISHES	SALMON, CHINOOK (CENTRAL VALLEY FALL RUN)	<i>Oncorhynchus tshawytscha</i>	T	
		SALMON, CHINOOK (CENTRAL VALLEY SPRING RUN)	<i>Oncorhynchus tshawytscha</i>	E	
		SALMON, CHINOOK (SACRAMENTO RIVER WINTER RUN)	<i>Oncorhynchus tshawytscha</i>	E	
		SALMON, CHINOOK (SOUTHERN OREGON AND CALIFORNIA COASTAL RUN)	<i>Oncorhynchus tshawytscha</i>	T	
		SALMON, COHO (CENTRAL CALIFORNIA COAST POP)	<i>Oncorhynchus kisutch</i>	E	
		STEELHEAD, CENTRAL CALIFORNIA POPULATION	<i>Oncorhynchus mykiss</i> , (Central California Coast ESU)	T	
		TROUT, STEELHEAD (CENTRAL VALLEY RUN)	<i>Oncorhynchus mykiss</i>	T	
		INSECTS	BUTTERFLY, MISSION BLUE	<i>Icaricia icarioides missionensis</i>	E
			BUTTERFLY, MYRTLE'S SILVERSPOT	<i>Speyeria zerene myrtleae</i>	E
			MOUSE, SALT MARSH HARVEST	<i>Reithrodontomys raviventris</i>	E
		MAMMALS	ALLOPECURUS, SONOMA	<i>Alopecurus aequalis</i> var. <i>sonomensis</i>	E
			BLUEGRASS, NAPA	<i>Poa napensis</i>	E
		PLANTS	CHECKER-MALLOW, KENWOOD MARSH	<i>Sidalcea oregana</i> ssp. <i>valida</i>	E
			CLARKIA, VINE HILL	<i>Clarkia imbricata</i>	E
		MARIPOSA	BIRDS	CLOVER, SHOWY INDIAN	<i>Trifolium amoenum</i>
	DWARF-FLAX, MARIN			<i>Hesperolinon congestum</i>	T
	JEWELFLOWER, TIBURON			<i>Streptanthus niger</i>	E
	LARKSPUR, BAKER'S			<i>Delphinium bakeri</i>	E
	LAYIA, BEACH			<i>Layia carnosa</i>	E
	LILY, PITKIN MARSH			<i>Lilium pitkinense</i>	E
	LUPINE, CLOVER			<i>Lupinus tidestromii</i>	E
	MILK-VETCH, CLARA HUNT'S			<i>Astragalus clarianus</i>	E
	PAINTBRUSH, TIBURON			<i>Castilleja affinis</i> ssp. <i>neglecta</i>	E
	PENTACHAETA, WHITE-RAYED			<i>Pentachaeta bellidiflora</i>	E
	SEDGE, WHITE			<i>Carex albida</i>	E
	SPINEFLOWER, SONOMA			<i>Chorizanthe valida</i>	E
	EAGLE, BALD			<i>Haliaeetus leucocephalus</i>	T
	FALCON, PEREGRINE			<i>Falco peregrinus</i>	E
	BETTER, VALLEY ELDERBERRY LONGHORN			<i>Desmocerus californicus dimorphus</i>	T
	PLANTS		LUPINE, MARIPOSA	<i>Lupinus citrinus</i> var. <i>deflexus</i>	E
PUSSYPAWS, MARIPOSA			<i>Calyptidium pulchellum</i>	E	
BIRDS	EAGLE, BALD		<i>Haliaeetus leucocephalus</i>	T	
	FALCON, PEREGRINE		<i>Falco peregrinus</i>	E	
	GOOSE, ALEUTIAN CANADA		<i>Branta canadensis leucopareia</i>	T	
	MURRELET, MARBLED		<i>Brachyramphus marmoratus</i>	T	
	OWL, NORTHERN SPOTTED		<i>Strix occidentalis caurina</i>	T	
	PELICAN, BROWN		<i>Pelicanus occidentalis</i>	E	
	PLOVER, WESTERN SNOWY		<i>Charadrius alexandrinus nivosus</i>	T	
	GOPY, TIDEWATER		<i>Eucyclogobius newberryi</i>	E	
	SALMON, CHINOOK (SOUTHERN OREGON AND CALIFORNIA COASTAL RUN)	<i>Oncorhynchus tshawytscha</i>	T		
	STEELHEAD, NORTHERN CALIFORNIA POPULATION	<i>Oncorhynchus mykiss</i> , (Northern California ESU)	T		
INSECTS	BUTTERFLY, BEHREN'S SILVERSPOT	<i>Speyeria zerene behrensii</i>	E		
	BUTTERFLY, LOTIS BLUE	<i>Lycaeides argyrognomon lotis</i>	E		
MAMMALS	BEAVER, POINT ARENA MOUNTAIN	<i>Aplodontia rufa nigra</i>	E		
	GOLDFIELDS, BURKE'S	<i>Lasthenia burkei</i>	E		
PLANTS	GOLDFIELDS, CONTRA COSTA	<i>Lasthenia conjugens</i>	E		
	NAVARRERIA, FEWF-LOWERED	<i>Navarretia leucocephala</i> ssp. <i>pauciflora</i>	E		
	NAVARRERIA, MANY-FLOWERED	<i>Navarretia leucocephala</i> ssp. <i>pleiantha</i>	E		
	ROCK-CRESS, McDONALD'S	<i>Arabis mcdonaldiana</i>	E		
	SPINEFLOWER, HOWELL'S	<i>Chorizanthe howellii</i>	E		
MENDOCINO	BIRDS	EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T	
		FALCON, PEREGRINE	<i>Falco peregrinus</i>	E	
		GOOSE, ALEUTIAN CANADA	<i>Branta canadensis leucopareia</i>	T	
		MURRELET, MARBLED	<i>Brachyramphus marmoratus</i>	T	
		OWL, NORTHERN SPOTTED	<i>Strix occidentalis caurina</i>	T	
	FISHES	PELICAN, BROWN	<i>Pelicanus occidentalis</i>	E	
		PLOVER, WESTERN SNOWY	<i>Charadrius alexandrinus nivosus</i>	T	
		GOPY, TIDEWATER	<i>Eucyclogobius newberryi</i>	E	
		SALMON, CHINOOK (SOUTHERN OREGON AND CALIFORNIA COASTAL RUN)	<i>Oncorhynchus tshawytscha</i>	T	
		STEELHEAD, NORTHERN CALIFORNIA POPULATION	<i>Oncorhynchus mykiss</i> , (Northern California ESU)	T	

II. COUNTY/SPECIES LIST—Continued

[The following list identifies federally listed or proposed U.S. species by State and County. It has been updated through July 8, 1998. Species listed below with a status of both E and T are generally either endangered or threatened within the specified county.]

State/County	Group name	Inverse name	Scientific name	Status
MERCED	REPTILES	STONECROP, LAKE COUNTY	Parvisedum leiocarpum	E
		WALLFLOWER, MENZIE'S	Erysimum menziesii	E
	BIRDS	BEHREN'S SILVERSPOT BUTTERFLY	Speyeria callippe callippe	LE
		TURTLE, OLIVE (PACIFIC) RIDLEY SEA	Lepidochelys olivacea	E, T
	CRUSTACEAN	EAGLE, BALD	Haliaeetus leucocephalus	T
		FALCON, PEREGRINE	Falco peregrinus	E
	FISHES	GOOSE, ALEUTIAN CANADA	Branta canadensis leucopareia	T
		LINDERIELLA, CALIFORNIA	Linderiella occidentalis	E
	INSECTS	SHRIMP, CONSERVANCY FAIRY	Branchinecta conservatio	E
		SHRIMP, VERNAL POOL FAIRY	Branchinecta lynchi	T
	MAMMALS	STEELHEAD, CALIFORNIA CENTRAL VALLEY POP.	Oncorhynchus mykiss, (Central Valley ESU).	E
		TROUT, STEELHEAD (CENTRAL VALLEY RUN).	Oncorhynchus mykiss	T
	PLANTS	BEETLE, VALLEY ELDERBERRY LONG-HORN.	Desmocerus californicus dimorphus	T
		FOX, SAN JOAQUIN KIT	Vulpes macrotis mutica	E
REPTILES	RAT, FRESNO KANGAROO	Dipodomys nitratoides exilis	E	
	RAT, GIANT KANGAROO	Dipodomys ingens	E	
BIRDS	GRASS, COLUSA	Neostapfia colusana	T	
	GRASS, HAIRY ORCUTT	Orcuttia pilosa	E	
FISHES	OWL'S-CLOVER, FLESHY	Castilleja campestris ssp. succulenta	E	
	TUCTORIA, GREEN'S	Tuctoria greenei	E	
MODOC	REPTILES	LIZARD, BLUNT-NOSED LEOPARD	Gambelia (Crotaphytus) silus	E
	BIRDS	SNAKE, GIANT GARTER	Thamnophis gigas	T
FISHES	EAGLE, BALD	Haliaeetus leucocephalus	T	
	FALCON, PEREGRINE	Falco peregrinus	E	
PLANTS	CHUB, COWHEAD LAKE TUI	Gila bicolor vaccaceps	E	
	SUCKER, LOST RIVER	Deltistes luxatus	E	
BIRDS	SUCKER, MODOC	Catostomus microps	E	
	SUCKER, SHORTNOSE	Chasmistes brevirostris	E	
MONO	BARBERRY, TRUCKEE	Berberis (=Mahonia) sonnei	E	
	EAGLE, BALD	Haliaeetus leucocephalus	T	
FISHES	FALCON, PEREGRINE	Falco peregrinus	E	
	GOOSE, ALEUTIAN CANADA	Branta canadensis leucopareia	T	
BIRDS	CHUB, OWENS TUI	Gila bicolor snyderi	E	
	CHUB, COWHEAD LAKE TUI	Gila bicolor vaccaceps	E	
PLANTS	PUPFISH, OWENS	Cyprinodon radiosus	E	
	TROUT, LAHONTAN CUTTHROAT	Salmo clarki henshawi	T	
MONTEREY	TROUT, PAIUTE CUTTHROAT	Salmo clarki seleniris	T	
	MILK-VETCH, FISH SLOUGH	Astragalus lentiginosus var. piscinensis	E	
AMPHIBIANS	POTENTILLA, HICKMAN'S	Potentilla hickmanii	E	
	FROG, CALIFORNIA RED-LEGGED	Rana Aurora Draytonii	T	
BIRDS	SALAMANDER, SANTA CRUZ LONG-TOED.	Ambystoma macrodactylum croceum	E	
	CONDOR, CALIFORNIA	Gymnogyps californianus	E	
CRUSTACEAN	EAGLE, BALD	Haliaeetus leucocephalus	T	
	FALCON, PEREGRINE	Falco peregrinus	E	
FISHES	MURRELET, MARBLED	Brachyramphus marmoratus	T	
	PELICAN, BROWN	Pelicanus occidentalis	E	
INSECTS	PLOVER, WESTERN SNOWY	Charadrius alexandrinus nivosus	T	
	RAIL, CALIFORNIA CLAPPER	Rallus longirostris obsoletus	E	
MAMMALS	TERN, CALIFORNIA LEAST	Sterna antillarum browni	E	
	VIREO, LEAST BELL'S	Vireo bellii pusillus	E	
PLANTS	LINDERIELLA, CALIFORNIA	Linderiella occidentalis	E	
	SHRIMP, VERNAL POOL FAIRY	Branchinecta lynchi	T	
BIRDS	GOBY, TIDEWATER	Eucyclogobius newberryi	E	
	STEELHEAD, SOUTH-CENTRAL CALIFORNIA POP.	Oncorhynchus mykiss, (South-Central Calif. ESU).	T	
FISHES	BUTTERFLY, SMITH'S BLUE	Euphilotes (=Shijimiaeoides) enoptes smithi.	E	
	FOX, SAN JOAQUIN KIT	Vulpes macrotis mutica	E	
CRUSTACEAN	RAT, GIANT KANGAROO	Dipodomys ingens	E	
	OTTER, SOUTHERN SEA	Enhydra lutris nereis	T	
MAMMALS	RAT, GIANT KANGAROO	Dipodomys ingens	E	
	AMOLE, PURPLE	Chlorogalum purpureum	T	
PLANTS	CINQUEFOIL, HICKMAN'S	Potentilla hickmanii	E	
	CLOVER, MONTEREY	Trifolium trichocalyx	E	
BIRDS	CYPRESS, GOWEN	Cupressus goveniana ssp. goveniana	T	
	DUDLEYA, SANTA CLARA VALLEY	Dudleya setchellii	E	
FISHES	GILIA, MONTEREY	Gilia tenuiflora ssp. arenaria	E	
	LAYIA, BEACH	Layia carnosa	E	
INSECTS	LUPINE, CLOVER	Lupinus tidestromii	E	
	MILK-VETCH, COASTAL DUNES	Astragalus tener var. titi	E	
MAMMALS	PIPERIA, YADON'S	Piperia yadonii	E	
	SPINEFLOWER, MONTEREY	Chorizanthe pungens var. pungens	T	
PLANTS	SPINEFLOWER, ROBUST	Chorizanthe robusta var. robusta	E	
	TARPLANT, SANTA CRUZ	Holocarpha macradenia	T	
BIRDS	WALLFLOWER, MENZIE'S	Erysimum menziesii	E	

II. COUNTY/SPECIES LIST—Continued

[The following list identifies federally listed or proposed U.S. species by State and County. It has been updated through July 8, 1998. Species listed below with a status of both E and T are generally either endangered or threatened within the specified county.]

State/County	Group name	Inverse name	Scientific name	Status	
NAPA	REPTILES	LIZARD, BLACK LEGLESS	Anniella pulchra nigra	E	
		TURTLE, OLIVE (PACIFIC) RIDLEY SEA	Lepidochelys olivacea	E, T	
	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T	
		FALCON, PEREGRINE	Falco peregrinus	E	
		OWL, NORTHERN SPOTTED	Strix occidentalis caurina	T	
		PELICAN, BROWN	Pelicanus occidentalis	E	
		PLOVER, WESTERN SNOWY	Charadrius alexandrinus nivosus	T	
		RAIL, CALIFORNIA CLAPPER	Rallus longirostris obsoletus	E	
	CRUSTACEAN	LINDERIELLA, CALIFORNIA	Linderiella occidentalis	E	
		SHRIMP, CALIFORNIA FRESHWATER	Syncaris pacifica	E	
		SALMON, CHINOOK (CENTRAL VALLEY FALL RUN)	Oncorhynchus tshawytscha	T	
		SALMON, CHINOOK (CENTRAL VALLEY SPRING RUN)	Oncorhynchus tshawytscha	E	
	FISHES	SALMON, CHINOOK (SACRAMENTO RIVER WINTER RUN)	Oncorhynchus tshawytscha	E	
		STEELHEAD, CALIFORNIA CENTRAL VALLEY POP.	Oncorhynchus mykiss, (Central Valley ESU)	E	
		STEELHEAD, CENTRAL CALIFORNIA POPULATION.	Oncorhynchus mykiss, (Central California Coast ESU)	T	
	MAMMALS	FOX, SAN JOAQUIN KIT	Vulpes macrotis mutica	E	
		MOUSE, SALT MARSH HARVEST	Reithrodontomys raviventris	E	
	PLANTS	ALLOCARYA, CALISTOGA	Plagiobothrys strictus	E	
		ALOPECURUS, SONOMA	Alopecurus aequalis var. sonomensis	E	
		BLUEGRASS, NAPA	Poa napensis	E	
		CALISTOGA ALLOCARYA	Plagiobothrys strictus	E	
		CHECKER-MALLOW, KENWOOD MARSH.	Sidalcea oregana ssp. valida	E	
		CLARKIA, VINE HILL	Clarkia imbricata	E	
		CLOVER, SHOWY INDIAN	Trifolium amoenum	E	
		GOLDFIELDS, CONTRA COSTA	Lasthenia conjugens	E	
		LILY, PITKIN MARSH	Lilium pitkinense	E	
		MILK-VETCH, CLARA HUNT'S	Astragalus clarianus	E	
		NAVARRERIA, FEW-FLOWERED	Navarretia leucocephala ssp. pauciflora	E	
		NAVARRERIA, MANY-FLOWERED	Navarretia leucocephala ssp. plieantha	E	
		PAINTBRUSH, TIBURON	Castilleja affinis ssp. neglecta	E	
		SEDGE, WHITE	Carex albida	E	
		SOFT BIRD'S BEAK	Cordylanthus mollis	E	
		STONECROP, LAKE COUNTY	Parvisedum leiocarpum	E	
	NEVADA	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
			FALCON, PEREGRINE	Falco peregrinus	E
		FISHES	TROUT, LAHONTAN CUTTHROAT	Salmo clarki henshawi	T
			TROUT, STEELHEAD (CENTRAL VALLEY RUN)	Oncorhynchus mykiss	T
		PLANTS	BARBERRY, TRUCKEE	Berberis (=Mahonia) sonnei	E
		AMPHIBIANS	TOAD, ARROYO SOUTHWESTERN	Bufo microscaphus californicus	E
		BIRDS	FALCON, PEREGRINE	Falco peregrinus	E
			GNATCATCHER, COASTAL CALIFORNIA.	Polioptila californica californica	T
			MURRELET, MARBLED	Brachyramphus marmoratus	T
			PELICAN, BROWN	Pelicanus occidentalis	E
	ORANGE		PLOVER, WESTERN SNOWY	Charadrius alexandrinus nivosus	T
			RAIL, LIGHTFOOTED CLAPPER	Rallus longirostris levipes	E
		TERN, CALIFORNIA LEAST	Sterna antillarum browni	E	
		VIREO, LEAST BELL'S	Vireo bellii pusillus	E	
CRUSTACEAN		SHRIMP, RIVERSIDE FAIRY	Streptocephalus woottoni	E	
FISHES		GOBY, TIDEWATER	Eucyclogobius newberryi	E	
MAMMALS		MOUSE, PACIFIC POCKET	Perognathus longimembris pacificus	E	
PLANTS		ASTER, DEL MAR SAND	Corethrogyne filaginifolia var. linifolia	E	
		BACCHARIS, ENCINITAS	Baccharis vanessae	T	
		BIRD'S-BEAK, SALT MARSH	Cordylanthus maritimus ssp. maritimus	E	
		BRODIAEA, THREAD-LEAVED	Brodiaea filifolia	T	
		CROWN-BEARD, BIG-LEAVED	Verbesina dissita	T	
		CROWNSCALE, SAN JACINTO VALLEY	Atriplex coronata var. notatior	E	
		DUDLEYA, MARCESCENT	Dudleya cymosa ssp. marcescens	T	
		DUDLEYA, SANTA MONICA MOUNTAINS.	Dudleya cymosa ssp. ovatifolia	T	
		LIVEFOREVER, LAGUNA BEACH	Dudleya stolonifera	E	
		MANZANITA, DEL MAR	Arctostaphylos glandulosa ssp. crassifolia	E	
		MILK-VETCH, BRAUNTON'S	Astragalus brauntonii	E	
		MONARDELLA, WILLOWY	Monardella linoidea ssp. viminea	E	
		NAVARRERIA, SPREADING	Navarretia fossalis	T	
		ONION, MUNZ'S	Allium munzii	E	
		SPINEFLOWER, ORCUTT'S	Chorizanthe orcuttiana	E	
		TARWEED, OTAY	Hemizonia conjugens	E	
		THORNMINT, SAN DIEGO	Acanthomintha ilicifolia	E	
PIMA		BIRDS	WOOLLY-STAR, SANTA ANA RIVER	Eriastrum densifolium ssp. santorum	E
		FLYCATCHER, SOUTHWESTERN WILLOW.	Empidonax traillii extimus	E	

II. COUNTY/SPECIES LIST—Continued

[The following list identifies federally listed or proposed U.S. species by State and County. It has been updated through July 8, 1998. Species listed below with a status of both E and T are generally either endangered or threatened within the specified county.]

State/County	Group name	Inverse name	Scientific name	Status	
PLACER	BIRDS	EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T	
		FALCON, PEREGRINE	<i>Falco peregrinus</i>	E	
	CRUSTACEAN	GOOSE, ALEUTIAN CANADA	<i>Branta canadensis leucopareia</i>	T	
		LINDERIELLA, CALIFORNIA	<i>Linderiella occidentalis</i>	E	
	FISHES	SHRIMP, VERNAL POOL FAIRY	<i>Branchinecta lynchi</i>	T	
		SHRIMP, VERNAL POOL TADPOLE	<i>Lepidurus packardi</i>	E	
		SALMON, CHINOOK (CENTRAL VALLEY SPRING RUN)	<i>Oncorhynchus tshawytscha</i>	E	
		SALMON, CHINOOK (CENTRAL VALLEY FALL RUN)	<i>Oncorhynchus tshawytscha</i>	T	
		TROUT, LAHONTAN CUTTHROAT	<i>Salmo clarki henshawi</i>	T	
		TROUT, STEELHEAD (CENTRAL VALLEY RUN)	<i>Oncorhynchus mykiss</i>	T	
	INSECTS	BEETLE, VALLEY ELDERBERRY LONGHORN	<i>Desmocerus californicus dimorphus</i>	T	
	PLANTS	BARBERRY, TRUCKEE	<i>Berberis (=Mohonia) sonnei</i>	E	
	PLUMAS	BIRDS	EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T
			FALCON, PEREGRINE	<i>Falco peregrinus</i>	E
RIVERSIDE	PLANTS	GRASS, SLENDER ORCUTT	<i>Orcuttia tenuis</i>	T	
	AMPHIBIANS	SALAMANDER, DESERT SLENDER	<i>Batrachoseps aridus</i>	E	
		TOAD, ARROYO SOUTHWESTERN	<i>Bufo microscaphus californicus</i>	E	
	BIRDS	EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T	
		FALCON, PEREGRINE	<i>Falco peregrinus</i>	E	
		FLYCATCHER, SOUTHWESTERN WILLOW	<i>Empidonax traillii extimus</i>	E	
		GNATCATCHER, COASTAL CALIFORNIA	<i>Polioptila californica californica</i>	T	
		PELICAN, BROWN	<i>Pelicanus occidentalis</i>	E	
		RAIL, YUMA CLAPPER	<i>Rallus longirostris Dyumanensis</i>	E	
		VIREO, LEAST BELL'S	<i>Vireo bellii pusillus</i>	E	
	CRUSTACEAN	LINDERIELLA, CALIFORNIA	<i>Linderiella occidentalis</i>	E	
		SHRIMP, RIVERSIDE FAIRY	<i>Streptocephalus woottoni</i>	E	
	FISHES	SHRIMP, VERNAL POOL FAIRY	<i>Branchinecta lynchi</i>	T	
		CHUB, BONYTAIL	<i>Gila elegans</i>	E	
INSECTS	PUPFISH, DESERT	<i>Cyprinodon macularius</i>	E		
	SQUAWFISH, COLORADO	<i>Ptychocheilus lucius</i>	E		
MAMMALS	SUCKER, RAZORBACK	<i>Xyrauchen texanus</i>	E		
	BUTTERFLY, QUINO CHECKERSPOT	<i>Euphydryas editha quino</i>	E		
	FLY, DELHI SANDS FLOWER-LOVING	<i>Rhophiamidas terminatus abdominalis</i>	E		
	RAT, SAN BERNARDINO KANGAROO	<i>Dipodomys merriami paravus</i>	E		
	RAT, STEPHENS' KANGAROO	<i>Dipodomys stephensi</i>	T		
	SHEE DESERT BIGHORN (PENINSULAR SEGMENT)	<i>Ovis canadensis</i>	E		
PLANTS	BARBERRY, NEVIN'S	<i>Berberis nevinii</i>	T		
	BEARGRASS, DEHESA	<i>Nolina interrata</i>	T		
	BRODIAEA, THREADLEAVED	<i>Brodiaea filifolia</i>	T		
	BUTTON-CELERY, SAN DIEGO	<i>Eryngium aristulatum var. parishii</i>	E		
	CEANOTHUS, VAIL LAKE	<i>Ceanothus ophiochilus</i>	T		
	CROWNSCALE, SAN JACINTO VALLEY	<i>Atriplex coronata var. notatior</i>	E		
	DAISY, PARISH'S	<i>Erigeron parishii</i>	T		
	DOWNINGIA, CUYAMACA LAKE	<i>Downingia concolor var. brevior</i>	E		
	FLANNELBUSH, MEXICAN	<i>Fremontodendron mexicanum</i>	T		
	GRASS, CALIFORNIA ORCUTT	<i>Orcuttia californica</i>	E		
	MILK-VETCH, COACHELLA VALLEY	<i>Astragalus lentiginosus var. coachellae</i>	E		
	MILK-VETCH, TRIPLE-RIBBED	<i>Astragalus tricarinatus</i>	E		
	MINT, OTAY MESA	<i>Pogogyne nudiuscula</i>	E		
	NAVARRERIA, SPREADING	<i>Navarretia fossalis</i>	T		
ONION, MUNZ'S	<i>Allium munzii</i>	E			
REPTILES	SPINEFLOWER, SLENDER-HORNED	<i>Centrostegia leptoceras</i>	E		
	WOOLLY-STAR, SANTA ANA RIVER	<i>Eriastrum densifolium ssp. santorum</i>	E		
	LIZARD, COACHELLA VALLEY FRINGE-TOED	<i>Uma inornata</i>	T		
	LIZARD, FLAT-TAILED HORNED	<i>Phrynosoma mcallii</i>	T		
	TORTOISE, DESERT	<i>Gopherus (=Xerobates,=Scaptochelys) agassizii</i>	T		
SACRAMENTO	BIRDS	EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T	
		GOOSE, ALEUTIAN CANADA	<i>Branta canadensis leucopareia</i>	T	
	CRUSTACEAN	PLOVER, WESTERN SNOWY	<i>Charadrius alexandrinus nivosus</i>	T	
		LINDERIELLA, CALIFORNIA	<i>Linderiella occidentalis</i>	E	
	FISHES	SHRIMP, VERNAL POOL FAIRY	<i>Branchinecta lynchi</i>	T	
		SHRIMP, VERNAL POOL TADPOLE	<i>Lepidurus packardi</i>	E	
	SALMON, CHINOOK (CENTRAL VALLEY SPRING RUN)	SALMON, CHINOOK (CENTRAL VALLEY SPRING RUN)	<i>Oncorhynchus tshawytscha</i>	E	
		SALMON, CHINOOK (SACRAMENTO RIVER WINTER RUN)	<i>Oncorhynchus tshawytscha</i>	E	
		SMELT, DELTA	<i>Hypomesus transpacificus</i>	T	
		STEELHEAD, CALIFORNIA CENTRAL VALLEY POP	<i>Oncorhynchus mykiss, (Central Valley ESU)</i>	E	
		TROUT, STEELHEAD (CENTRAL VALLEY RUN)	<i>Oncorhynchus mykiss</i>	T	

II. COUNTY/SPECIES LIST—Continued

[The following list identifies federally listed or proposed U.S. species by State and County. It has been updated through July 8, 1998. Species listed below with a status of both E and T are generally either endangered or threatened within the specified county.]

State/County	Group name	Inverse name	Scientific name	Status	
SAN BENITO	INSECTS	BEETLE, VALLEY ELDERBERRY LONG-HORN.	Desmocerus californicus dimorphus	T	
	PLANTS	EVENING-PRIMROSE, ANTIOCH DUNES.	Oenothera deltoides ssp. howellii	E	
		GRASS, SACRAMENTO ORCUTT	Orcuttia viscida	E	
		GRASS, SLENDER ORCUTT	Orcuttia tenuis	T	
	REPTILES	SNAKE, GIANT GARTER	Thamnophis gigas	T	
	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T	
		FALCON, PEREGRINE	Falco peregrinus	E	
	INSECTS	FLY, DELHI SANDS FLOWER-LOVING	Rhopiamidas terminatus abdominalis	E	
	MAMMALS	FOX, SAN JOAQUIN KIT	Vulpes macrotis mutica	E	
		RAT, GIANT KANGAROO	Dipodomys ingens	E	
	PLANTS	DUDLEYA, SANTA CLARA VALLEY	Dudleya setchellii	E	
		EVENING-PRIMROSE, SAN BENITO	Camissonia benitensis	T	
	SAN BERNADINO	REPTILES	WOOLLY-THREADS, SAN JOAQUIN	Lembertia congdonii	E
		BIRDS	LIZARD, BLUNT-NOSED LEOPARD	Gambelia (Crotaphytus) silus	E
		BIRDS	FLYCATCHER, SOUTHWESTERN WILLOW.	Empidonax traillii extimus	E
	PLANTS	ONION, MUNZ'S	Allium munzii	E	
	AMPHIBIANS	SANDWORT, MARSH	Arenaria paludicola	E	
	BIRDS	TOAD, ARROYO SOUTHWESTERN	Bufo microscaphus californicus	E	
		EAGLE, BALD	Haliaeetus leucocephalus	T	
		FALCON, PEREGRINE	Falco peregrinus	E	
		FLYCATCHER, SOUTHWESTERN WILLOW.	Empidonax traillii extimus	E	
		GNATCATCHER, COASTAL CALIFORNIA.	Polioptila californica californica	T	
		PLOVER, WESTERN SNOWY	Charadrius alexandrinus nivosus	T	
		RAIL, YUMA CLAPPER	Rallus longirostris yumanensis	E	
		VIREO, LEAST BELL'S	Vireo bellii pusillus	E	
	FISHES	CHUB, BONYTAIL	Gila elegans	E	
		CHUB, MOHAVE TUI	Gila bicolor mohavensis	E	
		PUPFISH, DESERT	Cyprinodon macularius	E	
		SQUAWFISH, COLORADO	Ptychocheilus lucius	E	
		STICKLEBACK, UNARMORED THREESPINE.	Gasterosteus aculeatus williamsoni	E	
	INSECTS	SUCKER, RAZORBACK	Xyrauchen texanus	E	
	MAMMALS	FLY, DELHI SANDS FLOWER-LOVING	Rhopiamidas terminatus abdominalis	E	
		RAT, SAN BERNARDINO KANGAROO	Dipodomys merriami parvus	E	
		RAT, STEPHENS' KANGAROO	Dipodomys stephensi	T	
		VOLE, AMARGOSA	Microtus californicus scirpensis	E	
	PLANTS	BARBERRY, NEVIN'S	Berberis nevinii	T	
		BEARGRASS, DEHESA	Nolina interrata	T	
		BLADDERPOD, SAN BERNARDINO MOUNTAINS.	Lesquerella kingii ssp. bernardina	E	
		BLUECURLS, HIDDEN LAKE	Trichostema austromontanum ssp. compactum.	T	
		BLUEGRASS, SAN BERNARDINO	Poa atropurpurea	E	
		BRODIAEA, THREAD-LEAVED	Brodiaea filifolia	T	
		BUCKWHEAT, CUSHENBURY	Eriogonum ovalifolium var. vineum	E	
		BUCKWHEAT, SOUTHERN MOUNTAIN WILD.	Eriogonum kennedyi var. austromontanum.	T	
		CEANOTHUS, VAIL LAKE	Ceanothus ophiocbilus	T	
		CHECKER-MALLOW, PEDATE	Sidalcea pedata	E	
		CROWNSCALE, SAN JACINTO VALLEY	Atriplex coronata var notatior	E	
		DAISY, PARISH'S	Erigeron parishii	T	
		DANDELION, CALIFORNIA	Taraxacum californicum	E	
		FLANNELBUSH, MEXICAN	Fremontodendron mexicanum	T	
		GRASS, PARISH'S ALKALI	Puccinellia parishii	E	
		MILK-VETCH, CUSHENBURY	Astragalus albens	E	
		MILK-VETCH, LANE MOUNTAIN	Astragalus jaegerianus	E	
		MILK-VETCH, TRIPLE-RIBBED	Astragalus tricarinatus	E	
		MUSTARD, SLENDER-PETALED	Thelypodium stenopetalum	E	
		NAVARRERIA, SPREADING	Navarretia fossalis	T	
		OXYTHECA, CUSHENBURY	Oxytheca parishii var. goodmaniana	E	
		PAINTBRUSH, ASH-GREY INDIAN	Castilleja cinerea	T	
		ROCK-CRESS, JOHNSTON'S	Arabis johnstonii	T	
		SANDWORT, BEAR VALLEY	Arenaria ursina	T	
		SPINEFLOWER, SLENDER-HORNED	Centrostegia leptoceras	E	
		WATERCRESS, GAMBEL'S	Rorippa gambellii	E	
		WOOLLY-STAR, SANTA ANA RIVER	Eriastrum densifolium ssp. santorum	E	
	REPTILES	TORTOISE, DESERT	Gopherus (=Xerobates, =Scaptochelys) agassizii.	T	
SAN DIEGO	AMPHIBIANS	TOAD, ARROYO SOUTHWESTERN	Bufo microscaphus californicus	E	
	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T	
		FALCON, PEREGRINE	Falco peregrinus	E	
		FLYCATCHER, SOUTHWESTERN WILLOW.	Empidonax traillii extimus	E	
		GNATCATCHER, COASTAL CALIFORNIA.	Polioptila californica californica	T	

II. COUNTY/SPECIES LIST—Continued

[The following list identifies federally listed or proposed U.S. species by State and County. It has been updated through July 8, 1998. Species listed below with a status of both E and T are generally either endangered or threatened within the specified county.]

State/County	Group name	Inverse name	Scientific name	Status
		GOOSE, ALEUTIAN CANADA	<i>Branta canadensis leucopareia</i>	T
		MURRELET, MARBLED	<i>Brachyramphus marmoratus</i>	T
		PELICAN, BROWN	<i>Pelicanus occidentalis</i>	E
		PLOVER, WESTERN SNOWY	<i>Charadrius alexandrinus nivosus</i>	T
		RAIL, LIGHT-FOOTED CLAPPER	<i>Rallus longirostris levipes</i>	E
		TERN, CALIFORNIA LEAST	<i>Sterna antillarum browni</i>	E
		VIREO, LEAST BELL'S	<i>Vireo bellii pusillus</i>	E
	CRUSTACEAN	SHRIMP, RIVERSIDE FAIRY	<i>Streptocephalus woottoni</i>	E
		SHRIMP, SAN DIEGO FAIRY	<i>Branchinecta sandiegoensis</i>	E
	FISHES	CHUB, MOHAVE TUI	<i>Gila bicolor mohavensis</i>	E
		GOBY, TIDEWATER	<i>Eucyclogobius newberryi</i>	E
		PUPFISH, DESERT	<i>Cyprinodon macularius</i>	E
		STICKLEBACK, UNARMORED THREESPINE.	<i>Gasterosteus aculeatus williamsoni</i>	E
	INSECTS	SKIPPER, LAGUNA MOUNTAIN	<i>Pyrgus ruralis lagunae</i>	E
	MAMMALS	MOUSE, PACIFIC POCKET	<i>Perognathus longimembris pacificus</i>	E
		RAT, STEPHENS' KANGAROO	<i>Dipodomys stephensi</i>	T
		SHEE DESERT BIGHORN (PENIN- SULAR SEGMENT).	<i>Ovis canadensis</i>	E
	PLANTS	ASTER, DEL MAR SAND	<i>Corethrogyne filaginifolia</i> var. <i>linifolia</i>	E
		BACCHARIS, ENCINITAS	<i>Baccharis vanessae</i>	T
		BARBERRY, NEVIN'S	<i>Berberis nevinii</i>	T
		BEARGRASS, DEHESA	<i>Nolina interrata</i>	T
		BIRD'S-BEAK, SALT MARSH	<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>	E
		BRODIAEA, THREAD-LEAVED	<i>Brodiaea filifolia</i>	T
		BUTTON-CELERY, SAN DIEGO	<i>Eryngium aristulatum</i> var. <i>parishii</i>	E
		CEANOOTHUS, VAIL LAKE	<i>Ceanothus ophiochilus</i>	T
		CROWN-BEARD, BIG-LEAVED	<i>Verbesina dissita</i>	T
		CROWNSCALE, SAN JACINTO VALLEY	<i>Atriplex coronata</i> var. <i>notatior</i>	E
		DOWNINGIA, CUYAMACA LAKE	<i>Downingia concolor</i> var. <i>brevior</i>	E
		FLANNELBUSH, MEXICAN	<i>Fremontodendron mexicanum</i>	T
		GRASS, CALIFORNIA ORCUTT	<i>Orcuttia californica</i>	E
		LIVEFOREVER, LAGUNA BEACH	<i>Dudleya stolonifera</i>	E
		MANZANITA, DEL MAR	<i>Arctostaphylos glandulosa</i> ssp. <i>crassifolia</i>	E
		MEADOWFOAM, PARISH'S	<i>Limnanthes gracilis</i> ssp. <i>parishii</i>	T
		MILK-VETCH, PIERSON'S	<i>Astragalus magdalenae</i> var. <i>piersonii</i>	E
		MINT, OTAY MESA	<i>Pogogyne nudiuscula</i>	E
		MINT, SAN DIEGO MESA	<i>Pogogyne abramsii</i>	E
		MONARDELLA, WILLOWY	<i>Monardella linoidea</i> ssp. <i>viminea</i>	E
		NAVARRERIA, SPREADING	<i>Navarretia fossalis</i>	T
		ONION, MUNZ'S	<i>Allium munzii</i>	E
		SPINEFLOWER, ORCUTT'S	<i>Chorizanthe orcuttiana</i>	E
		SPINEFLOWER, SLENDER-HORNED	<i>Centrostegia leptoceras</i>	E
		TARWEED, OTAY	<i>Hemizonia conjugens</i>	E
		THORN MINT, SAN DIEGO	<i>Acanthomintha ilicifolia</i>	E
		WATERCRESS, GAMBEL'S	<i>Rorippa gambellii</i>	E
	REPTILES	LIZARD, FLAT-TAILED HORNED	<i>Phrynosoma mcallii</i>	T
		TURTLE, GREEN SEA	<i>Chelonia mydas</i>	E, T
		TURTLE, OLIVE (PACIFIC) RIDLEY SEA	<i>Lepidochelys olivacea</i>	E, T
SAN FRANCISCO	PLANTS	SANDWORT, MARSH	<i>Arenaria paludicola</i>	E
	BIRDS	FALCON, PEREGRINE	<i>Falco peregrinus</i>	E
		GOOSE, ALEUTIAN CANADA	<i>Branta canadensis leucopareia</i>	T
		PELICAN, BROWN	<i>Pelicanus occidentalis</i>	E
		PLOVER, WESTERN SNOWY	<i>Charadrius alexandrinus nivosus</i>	T
	FISHES	GOBY, TIDEWATER	<i>Eucyclogobius newberryi</i>	E
		STEELHEAD, CENTRAL CALIFORNIA POPULATION.	<i>Oncorhynchus mykiss</i> , (Central California Coast ESU).	T
		TROUT, STEELHEAD (CENTRAL VAL- LEY RUN).	<i>Oncorhynchus mykiss</i>	T
	INSECTS	BUTTERFLY, BAY CHECKERSPOT	<i>Euphydryas editha bayensis</i>	T
		BUTTERFLY, CALLIPPE SILVERSPOT	<i>Speyeria callippe callippe</i>	E
		BUTTERFLY, MISSION BLUE	<i>Icaricia icarioides missionensis</i>	E
		BUTTERFLY, MYRTLE'S SILVERSPOT	<i>Speyeria zerene myrtleae</i>	E
	PLANTS	CLARKIA, PRESIDIO	<i>Clarkia franciscana</i>	E
		DWARF-FLAX, MARIN	<i>Hesperolinon congestum</i>	T
		JEWELFLOWER, METCALF CANYON	<i>Streptanthus albidus</i> ssp. <i>albidus</i>	E
		LAYIA, BEACH	<i>Layia carnosa</i>	E
		LESSINGIA, SAN FRANCISCO	<i>Lessingia germanorum</i>	E
		LILY, TIBURON MARIPOSA	<i>Calochortus tiburonensis</i>	T
		MANZANITA, PRESIDIO (=RAVEN'S)	<i>Arctostaphylos pungens</i> ssp. <i>ravenii</i>	E
		MANZANITA, SAN BRUNO MOUNTAIN	<i>Arctostaphylos imbricata</i>	E
SAN JOAQUIN	BIRDS	EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T
		FALCON, PEREGRINE	<i>Falco peregrinus</i>	E
		GOOSE, ALEUTIAN CANADA	<i>Branta canadensis leucopareia</i>	T
	CRUSTACEAN	LINDERIELLA, CALIFORNIA	<i>Linderiella occidentalis</i>	E
		SHRIMP, VERNAL POOL FAIRY	<i>Branchinecta lynchi</i>	T
		SHRIMP, VERNAL POOL TADPOLE	<i>Lepidurus packardii</i>	E
	FISHES	SALMON, CHINOOK (SACRAMENTO RIVER WINTER RUN).	<i>Oncorhynchus tshawytscha</i>	E

II. COUNTY/SPECIES LIST—Continued

[The following list identifies federally listed or proposed U.S. species by State and County. It has been updated through July 8, 1998. Species listed below with a status of both E and T are generally either endangered or threatened within the specified county.]

State/County	Group name	Inverse name	Scientific name	Status		
SAN LUIS OBISPO		SMELT, DELTA	Hypomesus transpacificus	T		
		STEELHEAD, CALIFORNIA CENTRAL VALLEY POP.	Oncorhynchus mykiss, (Central Valley ESU).	E		
		TROUT, STEELHEAD (CENTRAL VALLEY RUN).	Oncorhynchus mykiss	T		
		INSECTS	BEETLE, VALLEY ELDERBERRY LONG-HORN.	Desmocerus californicus dimorphus	T	
		MAMMALS	FOX, SAN JOAQUIN KIT	Vulpes macrotis mutica	E	
			RIPARIAN BRUSH RABBIT	Sylvilagus bachmani	E	
			RIPARIAN (SAN JOAQUIN VALLEY) WOODRAT.	Neotoma fuscipes riparia	E	
		PLANTS	BIRD'S-BEAK, PALMATE-BRACTED	Cordylanthes palmatus	E	
			FIDDLENECK, LARGE-FLOWERED	Amsinckia grandiflora	E	
		REPTILES	SNAKE, GIANT GARTER	Thamnophis gigas	T	
		PLANTS	SANDWORT, MARSH	Arenaria paludicola	E	
		BIRDS	CONDOR, CALIFORNIA	Gymnogyps Californianus	E	
			EAGLE, BALD	Haliaeetus leucocephalus	T	
			FALCON, PEREGRINE	Falco peregrinus	E	
			GOOSE, ALEUTIAN CANADA	Branta canadensis leucopareia	T	
			MURRELET, MARBLED	Brachyramphus marmoratus	T	
			PELICAN, BROWN	Pelicanus occidentalis	E	
			PLOVER, WESTERN SNOWY	Charadrius alexandrinus nivosus	T	
			RAIL, CALIFORNIA CLAPPER	Rallus longirostris obsoletus	E	
			TERN, CALIFORNIA LEAST	Sterna antillarum browni	E	
			VIREO, LEAST BELL'S	Vireo bellii pusillus	E	
			CRUSTACEAN	LINDERIELLA, CALIFORNIA	Linderiella occidentalis	E
				SHRIMP, LONGHORN FAIRY	Branchinecta longiantenna	E
				AMOLE, PURPLE	Chlorogalum purpureum	T
			FISHES	GOBY, TIDEWATER	Eucyclogobius newberryi	E
				LOMPOC YERBA SANTA	Eriodictyon capitatum	E
		LUPINE, NIPOMO MESA		Lupinus nipomensis	E	
		STEELHEAD, SOUTH-CENTRAL CALIFORNIA POP.		Oncorhynchus mykiss, (South-Central Calif. ESU).	T	
		STEELHEAD, SOUTHERN CALIFORNIA POPULATION.		Oncorhynchus mykiss, (Southern California ESU).	E	
		TARPLANT, GAVIOTA		Hemizonia increscens ssp. villosa	E	
		THISTLE, LA GRACIOSA		Cirsium loncholepis	E	
		MAMMALS	FOX, SAN JOAQUIN KIT	Vulpes macrotis mutica	E	
			OTTER, SOUTHERN SEA	Enhydra lutris nereis	T	
			RAT, GIANT KANGAROO	Dipodomys ingens	E	
		PLANTS	RAT, MORRO BAY KANGAROO	Dipodomys heermanni morroensis	E	
			BIRD'S-BEAK, SALT MARSH	Cordylanthus maritimus ssp. maritimus	E	
			CLARKIA, PISMO	Clarkia speciosa ssp. immaculata	E	
			JEWELFLOWER, CALIFORNIA	Caulanthus californicus	E	
			MANZANITA, MORRO	Arctostaphylos morroensis	T	
			MOUNTAINBALM, INDIAN KNOB	Eriodictyon altissimum	E	
			SANDWORT, MARSH	Arenaria paludicola	E	
			SEA-BLITE, CALIFORNIA	Suaeda californica	E	
			THISTLE, CHORRO CREEK BOG	Cirsium fontinale var. obispoense	E	
			WATERCRESS, GAMBEL'S	Rorippa gambellii	E	
			WOOLLY-STAR, HOOVER'S	Eriastrum hooveri	T	
WOOLLY-THREADS, SAN JOAQUIN	Lembertia congdonii		E			
REPTILES	LIZARD, BLUNT-NOSED LEOPARD		Gambelia (Crotaphytus) silus	E		
SNAILS	SNAIL, MORRO SHOULDERBAND		Helminthoglypta walkeriana	E		
AMPHIBIANS	FROG, CALIFORNIA RED-LEGGED		Rana Aurora Draytonii	T		
	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T		
FALCON, PEREGRINE		Falco peregrinus	E			
MURRELET, MARBLED		Brachyramphus marmoratus	T			
PELICAN, BROWN		Pelicanus occidentalis	E			
PLOVER, WESTERN SNOWY		Charadrius alexandrinus nivosus	T			
RAIL, CALIFORNIA CLAPPER		Rallus longirostris obsoletus	E			
TERN, CALIFORNIA LEAST		Sterna antillarum browni	E			
LINDERIELLA, CALIFORNIA		Linderiella occidentalis	E			
GOBY, TIDEWATER		Eucyclogobius newberryi	E			
SALMON, CHINOOK (CENTRAL VALLEY SPRING RUN).		Oncorhynchus tshawytscha	E			
SALMON, CHINOOK (CENTRAL VALLEY FALL RUN).		Oncorhynchus tshawytscha	T			
SALMON, COHO (CENTRAL CALIFORNIA COAST POP).		Oncorhynchus kisutch	E			
STEELHEAD, CENTRAL CALIFORNIA POPULATION.		Oncorhynchus mykiss, (Central California Coast ESU).	T			
INSECTS		BUTTERFLY, BAY CHECKERSPOT	Euphydryas editha bayensis	T		
		BUTTERFLY, MISSION BLUE	Icaricia icarioides missionensis	E		
	BUTTERFLY, SAN BRUNO ELFIN	Callophrys mossii bayensis	E			
MAMMALS	CALLIPPE SILVERSPOT BUTTERFLY	Speyeria callippe callippe	E			
	MOUSE, SALT MARSH HARVEST	Reithrodontomys raviventris	E			
PLANTS	CYPRESS, SANTA CRUZ	Cupressus abramsiana	E			
	LESSINGIA, SAN FRANCISCO	Lessingia germanorum	E			

SAN MATEO

II. COUNTY/SPECIES LIST—Continued

[The following list identifies federally listed or proposed U.S. species by State and County. It has been updated through July 8, 1998. Species listed below with a status of both E and T are generally either endangered or threatened within the specified county.]

State/County	Group name	Inverse name	Scientific name	Status	
SANTA BARBARA		MANZANITA, SAN BRUNO MOUNTAIN	Arctostaphylos imbricata	E	
		PENTACHAETA, WHITE-RAYED	Pentachaeta bellidiflora	E	
		SUNFLOWER, SAN MATEO WOOLLY	Eriophyllum latilobum	E	
		THISTLE, FOUNTAIN	Cirsium fontinale var fontinale	E	
		THORNMINT, SAN MATEO	Acanthomintha obovata ssp. duttonii	E	
		REPTILES	SNAKE, SAN FRANCISCO GARTER	Thamnophis sirtalis tetrataenia	E
		AMPHIBIANS	TOAD, ARROYO SOUTHWESTERN	Bufo microscaphus californicus	E
		BIRDS	CONDOR, CALIFORNIA	Gymnogyps californianus	E
			EAGLE, BALD	Haliaeetus leucocephalus	T
			FALCON, PEREGRINE	Falco peregrinus	E
			GOOSE, ALEUTIAN CANADA	Branta canadensis leucopareia	T
			MURRELET, MARBLED	Brachyramphus marmoratus	T
			PELICAN, BROWN	Pelicanus occidentalis	E
			PLOVER, WESTERN SNOWY	Charadrius alexandrinus nivosus	T
			RAIL, LIGHT-FOOTED CLAPPER	Rallus longirostris levipes	E
			TERN, CALIFORNIA LEAST	Sterna antillarum browni	E
			VIREO, LEAST BELL'S	Vireo bellii pusillus	E
		CRUSTACEAN	LINDERIELLA, CALIFORNIA	Linderiella occidentalis	E
		FISHES	GOBY, TIDEWATER	Eucyclogobius newberryi	E
			STEELHEAD, SOUTH-CENTRAL CALIFORNIA POP.	Oncorhynchus mykiss, (South-Central California ESU).	T
			STEELHEAD, SOUTHERN CALIFORNIA POPULATION.	Oncorhynchus mykiss, (Southern California ESU).	E
			STICKLEBACK, UNARMORED THREESPINE.	Gasterosteus aculeatus williamsoni	E
		MAMMALS	FOX, SAN JOAQUIN KIT	Vulpes macrotis mutica	E
			RAT, GIANT KANGAROO	Dipodomys ingens	E
			SEAL, GUADALUPE FUR	Arctocephalus townsendi	T
			BARBERRY, ISLAND	Berberis pinnata ssp. insularis	E
			BEDSTRAW, ISLAND	Galium buxifolium	E
			BIRD'SBEAK, SALT MARSH	Cordylanthus maritimus ssp. maritimus	E
		PLANTS	BRODIAEA, CHINESE CAMP	Brodiaea pallida	E
			BUSHMALLOW, SANTA CRUZ ISLAND	Malacothamnus fasciculatus nesioticus	E
			CLARKIA, SPRINGVILLE	Clarkia springvillensis	T
			DUDLEYA, MARCESCENT	Dudleya cymosa ssp. marcescens	T
			DUDLEYA, SANTA CRUZ ISLAND	Dudleya nesiotica	T
			FRINGEPOD, SANTA CRUZ ISLAND	Thysanocarpus conchuliferus	E
			GILIA, HOFFMAN'S SLENDER-FLOWERED.	Gilia tenuiflora ssp. hoffmannii	E
			GOLDFIELDS, CONTRA COSTA	Lasthenia conjugens	E
			JEWELFLOWER, CALIFORNIA	Caulanthus californicus	E
			LAYIA, BEACH	Layia carnosa	E
			LIVEFOREVER, SANTA BARBARA ISLAND.	Dudleya traskiae	E
			LOMPOC YERBA SANTA	Eriodictyon capitatum	E
			LUPINE, MARIPOSA	Lupinus citrinus var. deflexus	E
			LUPINE, NIPOMO MESA	Lupinus nipomensis	E
			MALACOTHRIX, ISLAND	Malacothrix squalida	E
			MALACOTHRIX, SANTA CRUZ ISLAND	Malacothrix indecora	E
			MANZANITA, SANTA ROSA ISLAND	Arctostaphylos confertiflora	E
			MONKEY-FLOWER, KELSO CREEK	Mimulus shevockii	E
			NAVARRERIA, FEW-FLOWERED	Navarretia leucocephala ssp. pauciflora	E
			NAVARRERIA, MANY-FLOWERED	Navarretia leucocephala ssp. pliantha	E
			NAVARRERIA, PIUTE MOUNTAINS	Navarretia setiloba	T
			ONION, RAWHIDE HILL	Allium tuolumnense	T
	PAINTBRUSH, SOFT-LEAVED	Castilleja mollis	E		
	PHACELIA, ISLAND	Phacelia insularis ssp. insularis	E		
	PUSSYPAWS, MARIPOSA	Calyptridium pulchellum	E		
	ROCK-CRESS, HOFFMAN'S	Arabis hoffmannii	E		
	STONECROP, LAKE COUNTY	Parvisedum leiocarpum	E		
	TARPLANT, GAVIOTA	Hemizonia increcens ssp. villosa	E		
	THISTLE, FOUNTAIN	Cirsium fontinale var. fontinale	E		
	THISTLE, LA GRACIOSA	Cirsium loncholepis	E		
	VERVAIN, RED HILLS	Verbena californica	T		
	WOOLLY-STAR, HOOVER'S	Eriastrum hooveri	T		
	WOOLLY-THREADS, SAN JOAQUIN	Lembertia congdonii	E		
	LIZARD, BLUNT-NOSED LEOPARD	Gambelia (Crotaphytus) silus	E		
REPTILES	LIZARD, ISLAND NIGHT	Xantusia (Klaubernina) riversiana	T		
	EAGLE, BALD	Haliaeetus leucocephalus	T		
	FALCON, PEREGRINE	Falco peregrinus	E		
	PELICAN, BROWN	Pelicanus occidentalis	E		
	PLOVER, WESTERN SNOWY	Charadrius alexandrinus nivosus	T		
	RAIL, CALIFORNIA CLAPPER	Rallus longirostris obsoletus	E		
	TERN, CALIFORNIA LEAST	Sterna antillarum browni	E		
	GOBY, TIDEWATER	Eucyclogobius newberryi	E		
FISHES	SALMON, CHINOOK (CENTRAL VALLEY SPRING RUN).	Oncorhynchus tshawytscha	E		
INSECTS	BUTTERFLY, BAY CHECKERSPOT	Euphydryas editha bayensis	T		
MAMMALS	FOX, SAN JOAQUIN KIT	Vulpes macrotis mutica	E		
SANTA CLARA		MANZANITA, SAN BRUNO MOUNTAIN	Arctostaphylos imbricata	E	
		PENTACHAETA, WHITE-RAYED	Pentachaeta bellidiflora	E	
		SUNFLOWER, SAN MATEO WOOLLY	Eriophyllum latilobum	E	
		THISTLE, FOUNTAIN	Cirsium fontinale var fontinale	E	
		THORNMINT, SAN MATEO	Acanthomintha obovata ssp. duttonii	E	
		REPTILES	SNAKE, SAN FRANCISCO GARTER	Thamnophis sirtalis tetrataenia	E
		AMPHIBIANS	TOAD, ARROYO SOUTHWESTERN	Bufo microscaphus californicus	E
		BIRDS	CONDOR, CALIFORNIA	Gymnogyps californianus	E
			EAGLE, BALD	Haliaeetus leucocephalus	T
			FALCON, PEREGRINE	Falco peregrinus	E
PELICAN, BROWN	Pelicanus occidentalis		E		
	PLOVER, WESTERN SNOWY	Charadrius alexandrinus nivosus	T		
	RAIL, CALIFORNIA CLAPPER	Rallus longirostris obsoletus	E		
	TERN, CALIFORNIA LEAST	Sterna antillarum browni	E		
	GOBY, TIDEWATER	Eucyclogobius newberryi	E		
FISHES	SALMON, CHINOOK (CENTRAL VALLEY SPRING RUN).	Oncorhynchus tshawytscha	E		
INSECTS	BUTTERFLY, BAY CHECKERSPOT	Euphydryas editha bayensis	T		
MAMMALS	FOX, SAN JOAQUIN KIT	Vulpes macrotis mutica	E		

II. COUNTY/SPECIES LIST—Continued

[The following list identifies federally listed or proposed U.S. species by State and County. It has been updated through July 8, 1998. Species listed below with a status of both E and T are generally either endangered or threatened within the specified county.]

State/County	Group name	Inverse name	Scientific name	Status	
SANTA CRUZ	PLANTS	MOUSE, SALT MARSH HARVEST	Reithrodontomys raviventris	E	
		CEANOTHUS, COYOTE	Ceanothus ferrisae	E	
		DUDLEYA, SANTA CLARA VALLEY	Dudleya setchellii	E	
		GOLDFIELDS, CONTRA COSTA	Lasthenia conjugens	E	
		NAVARRERIA, FEW-FLOWERED	Navarretia leucocephala ssp. pauciflora	E	
		NAVARRERIA, MANY-FLOWERED	Navarretia leucocephala ssp. pliantha	E	
		PAINTBRUSH, TIBURON	Castilleja affinis ssp. neglecta	E	
		STONECROP, LAKE COUNTY	Parvisedum leiocarpum	E	
		THISTLE, FOUNTAIN	Cirsium fontinale var fontinale	E	
		SANDWORT, MARSH	Arenaria paludicola	E	
	AMPHIBIANS	TARPLANT, SANTA CRUZ	Holocarpha macradenia	T	
		SALAMANDER, SANTA CRUZ LONG-TOED	Ambystoma macrodactylum croceum	E	
	BIRDS	MURRELET, MARBLED	Brachyramphus marmoratus	T	
		PELICAN, BROWN	Pelicanus occidentalis	E	
	FISHES	PLOVER, WESTERN SNOWY	Charadrius alexandrinus nivosus	T	
		GOBY, TIDEWATER	Eucyclogobius newberryi	E	
		SALMON, COHO (CENTRAL CALIFORNIA COAST POP.)	Oncorhynchus kisutch	E	
	INSECTS	STEELHEAD, CENTRAL CALIFORNIA POPULATION	Oncorhynchus mykiss, (Central California Coast ESU)	T	
		STEELHEAD, SOUTH-CENTRAL CALIFORNIA POP.	Oncorhynchus mykiss, (South-Central Calif. ESU)	T	
		BEETLE, MOUNT HERMON JUNE	Polyphylla barbata	E	
MAMMALS	BEETLE, SANTA CRUZ RAIN	Pleocomma conjugens conjugens	E		
	GRASSHOPPER, ZAYANTE BAND-WINGED	Trimerotropis infantilis	E		
SHASTA	PLANTS	OTTER, SOUTHERN SEA	Enhydra lutris nereis	T	
		CYPRESS, SANTA CRUZ	Cupressus abramsiana	E	
	REPTILES	PENTACHAETA, WHITE-RAYED	Pentachaeta bellidiflora	E	
		SPINEFLOWER, BEN LOMOND	Chorizanthe pungens var. hartwegiana	E	
		SPINEFLOWER, MONTEREY	Chorizanthe pungens var. pungens	T	
		SPINEFLOWER, ROBUST	Chorizanthe robusta var. robusta	E	
	AMPHIBIANS	SPINEFLOWER, SCOTTS VALLEY	Chorizanthe robusta var. hartwegii	E	
		WALLFLOWER, BEN LOMOND	Erysimum teretifolium	E	
	BIRDS	SNAKE, SAN FRANCISCO GARTER	Thamnophis sirtalis tetrataenia	E	
		FROG, CALIFORNIA RED-LEGGED	Rana Aurora Draytonii	T	
CRUSTACEAN	FISHES	EAGLE, BALD	Haliaeetus leucocephalus	T	
		FALCON, PEREGRINE	Falco peregrinus	E	
	OWL, NORTHERN SPOTTED	Strix occidentalis caurina	T		
FISHES	CRAYFISH, SHASTA	Pacifasticus fortis	E		
	SHRIMP, VERNAL POOL TADPOLE	Lepidurus packardi	E		
	SALMON, CHINOOK (SACRAMENTO WINTER RIVER RUN)	Oncorhynchus tshawytscha	E		
	SALMON, CHINOOK (CENTRAL VALLEY FALL RUN)	Oncorhynchus tshawytscha	T		
SIERRA	PLANTS	STEELHEAD, CALIFORNIA CENTRAL VALLEY POP.	Oncorhynchus mykiss, (Central Valley ESU)	E	
		TROUT, STEELHEAD (CENTRAL VALLEY RUN)	Oncorhynchus mykiss	T	
	BIRDS	GRASS, SLENDER ORCUTT	Orcuttia tenuis	T	
		TUCTORIA, GREEN'S	Tuctoria greenei	E	
SISKIYOU	FISHES	EAGLE, BALD	Haliaeetus leucocephalus	T	
		FALCON, PEREGRINE	Falco peregrinus	E	
	BIRDS	TROUT, LAHONTAN CUTTHROAT	Salmo clarki henshawi	T	
EAGLE, BALD		Haliaeetus leucocephalus	T		
SOLANO	FISHES	FALCON, PEREGRINE	Falco peregrinus	E	
		GOOSE, ALEUTIAN CANADA	Branta canadensis leucopareia	T	
	BIRDS	MURRELET, MARBLED	Brachyramphus marmoratus	T	
		OWL, NORTHERN SPOTTED	Strix occidentalis caurina	T	
	CRUSTACEAN	FISHES	SALMON, CHINOOK (SOUTHERN OREGON AND CALIFORNIA COASTAL RUN)	Oncorhynchus tshawytscha	T
			SUCKER, LOST RIVER	Deltistes luxatus	E
	PLANTS	GRASS, SLENDER ORCUTT	Orcuttia tenuis	T	
		PHLOX, YREKA	Phlox hirsuta	E	
	FISHES	FALCON, PEREGRINE	Falco peregrinus	E	
		GOOSE, ALEUTIAN CANADA	Branta canadensis leucopareia	T	
CRUSTACEAN	FISHES	PELICAN, BROWN	Pelicanus occidentalis	E	
		RAIL, CALIFORNIA CLAPPER	Rallus longirostris obsoletus	E	
FISHES	LINDERIELLA, CALIFORNIA	Linderiella occidentalis	E		
		SHRIMP, VERNAL POOL FAIRY	Branchinecta lynchi	T	
	SHRIMP, VERNAL POOL TADPOLE	Lepidurus packardi	E		
	SALMON, CHINOOK (CENTRAL VALLEY FALL RUN)	Oncorhynchus tshawytscha	T		
FISHES	SALMON, CHINOOK (CENTRAL VALLEY SPRING RUN)	Oncorhynchus tshawytscha	E		
	SALMON, CHINOOK (SACRAMENTO RIVER WINTER RUN)	Oncorhynchus tshawytscha	E		

II. COUNTY/SPECIES LIST—Continued

[The following list identifies federally listed or proposed U.S. species by State and County. It has been updated through July 8, 1998. Species listed below with a status of both E and T are generally either endangered or threatened within the specified county.]

State/County	Group name	Inverse name	Scientific name	Status	
SONOMA	INSECTS	SMELT, DELTA	Hypomesus transpacificus	T	
		STEELHEAD, CALIFORNIA CENTRAL VALLEY POP.	Oncorhynchus mykiss, (Central Valley ESU).	E	
		TROUT, STEELHEAD (CENTRAL VALLEY RUN).	Oncorhynchus mykiss	T	
		BEETLE, DELTA GREEN GROUND	Elaphrus viridis	T	
		BEETLE, VALLEY ELDERBERRY LONG-HORN.	Desmocerus californicus dimorphus	T	
		MAMMALS	MOUSE, SALT MARSH HARVEST	Reithrodontomys raviventris	E
			PLANTS	GOLDFIELDS, CONTRA COSTA	Lasthenia conjugens
		GRASS, COLUSA		Neostapfia colusana	T
		GRASS, SOLANO		Tuctoria mucronata (=Orcuttia m.)	E
		NAVARRETIA, MANY-FLOWERED		Navarretia leucocephala ssp. plieantha	E
	SOFT BIRD'S BEAK	Cordylanthus mollis		E	
	STONECROP, LAKE COUNTY	Parvisedum leiocarpum		E	
	SUISUN THISTLE	Cirsium hydrophilum hydrophilum		E	
	FISHES	SALMON, CHINOOK (CENTRAL VALLEY SPRING RUN).		Oncorhynchus tshawytscha	E
		SALMON, CHINOOK (CENTRAL VALLEY FALL RUN).		Oncorhynchus tshawytscha	T
		SALMON, CHINOOK (SOUTHERN OREGON AND CALIFORNIA COASTAL RUN).		Oncorhynchus tshawytscha	T
		STEELHEAD, CENTRAL CALIFORNIA POPULATION.	Oncorhynchus mykiss, (central California coast).	T	
		TROUT, STEELHEAD (CENTRAL VALLEY RUN).	Oncorhynchus mykiss	T	
		BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
			FALCON, PEREGRINE	Falco peregrinus	E
			MURRELET, MARBLED	Brachyramphus marmoratus	T
			OWL, NORTHERN SPOTTED	Strix occidentalis caurina	T
			PELICAN, BROWN	Pelicanus occidentalis	E
	CRUSTACEAN	PLOVER, WESTERN SNOWY	Charadrius alexandrinus nivosus	T	
		RAIL, CALIFORNIA CLAPPER	Rallus longirostris obsoletus	E	
		LINDERIELLA, CALIFORNIA	Linderiella occidentalis	E	
		SHRIMP, CALIFORNIA FRESHWATER	Syncaris pacifica	E	
		GOBY, TIDEWATER	Eucyclogobius newberryi	E	
		SALMON, CHINOOK (SACRAMENTO RIVER WINTER RUN).	Oncorhynchus tshawytscha	E	
		SALMON, COHO (CENTRAL CALIFORNIA COAST POP).	Oncorhynchus kisutch	E	
		STEELHEAD, CALIFORNIA CENTRAL VALLEY POP.	Oncorhynchus mykiss, (Central Valley ESU).	E	
		INSECTS	BUTTERFLY, BEHREN'S SILVERSPOT	Speyeria zerene behrensii	E
			BUTTERFLY, MYRTLE'S SILVERSPOT	Speyeria zerene myrtleae	E
	MAMMALS	MOUSE, SALT MARSH HARVEST	Reithrodontomys raviventris	E	
		PLANTS	ALLOPACRYA, CALISTOGA	Plagiobothrys strictus	E
	ALOPECURUS, SONOMA		Alopecurus aequalis var. sonomensis	E	
	BIRD'S-BEAK, PENNELL'S		Cordylanthus tenuis ssp. capillari	E	
	BLUEGRASS, NAPA		Poa napensis	E	
	CHECKERMALLOW, KENWOOD MARSH.		Sidalcea oregana ssp. valida	E	
	CLARKIA, VINE HILL		Clarkia imbricata	E	
	CLOVER, SHOWY INDIAN		Trifolium amoenum	E	
	GOLDFIELDS, BURKE'S		Lasthenia burkei	E	
	LARKSPUR, YELLOW		Delphinium luteum	E	
	LILY, PITKIN MARSH		Lilium pitkinense	E	
	STANISLAUS	LUPINE, CLOVER	Lupinus tidestromii	E	
MEADOWFOAM, SEBASTOPOL			Limnanthes vinculans	E	
MILKVETCH, CLARA HUNT'S		Astragalus clarianus	E		
SEDGE, WHITE		Carex albida	E		
SPINEFLOWER, SONOMA		Chorizanthe valida	E		
STICKYSEED, BAKER'S		Blennosperma bakeri	E		
ADOBE SUNBURST, SAN JOAQUIN		Pseudobahia peirsonii	T		
BIRDS		EAGLE, BALD	Haliaeetus leucocephalus	T	
		FALCON, PEREGRINE	Falco peregrinus	E	
CRUSTACEAN		GOOSE, ALEUTIAN CANADA	Branta canadensis leucopareia	T	
	SHRIMP, VERNAL POOL TADPOLE	Lepidurus packardii	E		
FISHES	STEELHEAD, CALIFORNIA CENTRAL VALLEY POP.	Oncorhynchus mykiss, (Central Valley ESU).	E		
	TROUT, STEELHEAD (CENTRAL VALLEY RUN).	Oncorhynchus mykiss	T		
INSECTS	BEETLE, VALLEY ELDERBERRY LONG-HORN.	Desmocerus californicus dimorphus	T		
	MAMMALS	FOX, SAN JOAQUIN KIT	Vulpes macrotis mutica	E	
PLANTS		GOLDEN SUNBURST, HARTWEG'S	Pseudobahia bahiifolia	E	
	GRASS, COLUSA	Neostapfia colusana	T		
	GRASS, HAIRY ORCUTT	Orcuttia pilosa	E		
	OWL'S-CLOVER, FLESHY	Castilleja campestris ssp. succulenta	E		

II. COUNTY/SPECIES LIST—Continued

[The following list identifies federally listed or proposed U.S. species by State and County. It has been updated through July 8, 1998. Species listed below with a status of both E and T are generally either endangered or threatened within the specified county.]

State/County	Group name	Inverse name	Scientific name	Status	
SUTTER	BIRDS	SPURGE, HOOVER'S	<i>Chamaesyce hooveri</i>	T	
		EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T	
	CRUSTACEAN	FALCON, PEREGRINE	<i>Falco peregrinus</i>	E	
		GOOSE, ALEUTIAN CANADA	<i>Branta canadensis leucopareia</i>	T	
		SHRIMP, VERNAL POOL TADPOLE	<i>Lepidurus packardi</i>	E	
		FISHES	SALMON, CHINOOK (CENTRAL VALLEY FALL RUN).	<i>Oncorhynchus tshawytscha</i>	T
			SALMON, CHINOOK (CENTRAL VALLEY SPRING RUN).	<i>Oncorhynchus tshawytscha</i>	E
			SALMON, CHINOOK (SACRAMENTO RIVER WINTER RUN).	<i>Oncorhynchus tshawytscha</i>	E
	INSECTS	STEELHEAD, CALIFORNIA CENTRAL VALLEY POP.	<i>Oncorhynchus mykiss</i> , (Central Valley ESU).	E	
		TROUT, STEELHEAD (CENTRAL VALLEY RUN).	<i>Oncorhynchus mykiss</i>	T	
	TEHAMA	REPTILES	BEETLE, VALLEY ELDERBERRY LONGHORN.	<i>Desmocerus californicus dimorphus</i>	T
		BIRDS	SNAKE, GIANT GARTER	<i>Thamnophis gigas</i>	T
EAGLE, BALD			<i>Haliaeetus leucocephalus</i>	T	
CRUSTACEAN		FALCON, PEREGRINE	<i>Falco peregrinus</i>	E	
		OWL, NORTHERN SPOTTED	<i>Strix occidentalis caurina</i>	T	
		FISHES	SHRIMP, VERNAL POOL TADPOLE	<i>Lepidurus packardi</i>	E
			SALMON, CHINOOK (CENTRAL VALLEY FALL RUN).	<i>Oncorhynchus tshawytscha</i>	T
			SALMON, CHINOOK (CENTRAL VALLEY SPRING RUN).	<i>Oncorhynchus tshawytscha</i>	E
		INSECTS	SALMON, CHINOOK (SACRAMENTO RIVER WINTER RUN).	<i>Oncorhynchus tshawytscha</i>	E
STEELHEAD, CALIFORNIA CENTRAL VALLEY POP.			<i>Oncorhynchus mykiss</i> , (Central Valley ESU).	E	
TRINITY		TROUT, STEELHEAD (CENTRAL VALLEY RUN).	<i>Oncorhynchus mykiss</i>	T	
		PLANTS	BEETLE, VALLEY ELDERBERRY LONGHORN.	<i>Desmocerus californicus dimorphus</i>	T
	GRASS, HAIRY ORCUTT		<i>Orcuttia pilosa</i>	E	
	BIRDS	GRASS, SLENDER ORCUTT	<i>Orcuttia tenuis</i>	T	
		MEADOWFOAM, BUTTE COUNTY	<i>Limnanthes floccosa ssp. californica</i>	E	
		SPURGE, HOOVER'S	<i>Chamaesyce hooveri</i>	T	
		TUCTORIA, GREEN'S	<i>Tuctoria greenei</i>	E	
		EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T	
		FALCON, PEREGRINE	<i>Falco peregrinus</i>	E	
	FISHES	OWL, NORTHERN SPOTTED	<i>Strix occidentalis caurina</i>	T	
		SALMON, CHINOOK (SOUTHERN OREGON AND CALIFORNIA COASTAL RUN).	<i>Oncorhynchus tshawytscha</i>	T	
	TULARE	BIRDS	CONDOR, CALIFORNIA	<i>Gymnogyps californianus</i>	E
EAGLE, BALD			<i>Haliaeetus leucocephalus</i>	T	
FISHES		FALCON, PEREGRINE	<i>Falco peregrinus</i>	E	
		TROUT, LITTLE KERN GOLDEN	<i>Salmo aguabonita whitei</i>	T	
MAMMALS		FOX, SAN JOAQUIN KIT	<i>Vulpes macrotis mutica</i>	E	
		RAT, GIANT KANGAROO	<i>Dipodomys ingens</i>	E	
PLANTS		RAT, TIPTON KANGAROO	<i>Dipodomys nitratoides</i>	E	
		CHECKER-MALLOW, KECK'S	<i>Sidalcea keckii</i>	E	
		CHECKER-MALLOW, KECK'S	<i>Sidalcea keckii</i>	E	
		CLARKIA, SPRINGVILLE	<i>Clarkia springvillensis</i>	T	
		JEWELFLOWER, CALIFORNIA	<i>Caulanthus californicus</i>	E	
		LILY, GREENHORN ADOBE	<i>Fritillaria striata</i>	T	
TUOLUMNE	REPTILES	SPURGE, HOOVER'S	<i>Chamaesyce hooveri</i>	T	
	BIRDS	WOOLLY-THREADS, SAN JOAQUIN	<i>Lembertia congdonii</i>	E	
		LIZARD, BLUNT-NOSED LEOPARD	<i>Gambelia (Crotaphytus) silus</i>	E	
	FISHES	EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T	
		FALCON, PEREGRINE	<i>Falco peregrinus</i>	E	
	PLANTS	TROUT, LAHONTAN CUTTHROAT	<i>Salmo clarki henshawi</i>	T	
		TROUT, STEELHEAD (CENTRAL VALLEY RUN).	<i>Oncorhynchus mykiss</i>	T	
		BRODIAEA, CHINESE CAMP	<i>Brodiaea pallida</i>	E	
		BUTTERWEED, LAYNE'S	<i>Senecio layneae</i>	T	
		CLARKIA, SPRINGVILLE	<i>Clarkia springvillensis</i>	T	
		LILY, GREENHORN ADOBE	<i>Fritillaria striata</i>	T	
	VENTURA	AMPHIBIANS	LUPINE, MARIPOSA	<i>Lupinus citrinus var. deflexus</i>	E
MONKEY-FLOWER, KELSO CREEK			<i>Mimulus shevockii</i>	E	
BIRDS		NAVARRERIA, PIUTE MOUNTAINS	<i>Navarretia setiloba</i>	T	
		ONION, RAWHIDE HILL	<i>Allium tuolumnense</i>	T	
		PUSSYPAWS, MARIPOSA	<i>Calyptidium pulchellum</i>	E	
		VERVAIN, RED HILLS	<i>Verbena californica</i>	T	
		TOAD, ARROYO SOUTHWESTERN	<i>Bufo microscaphus californicus</i>	E	
		CONDOR, CALIFORNIA	<i>Gymnogyps californianus</i>	E	
FISHES		FALCON, PEREGRINE	<i>Falco peregrinus</i>	E	
		PELICAN, BROWN	<i>Pelicanus occidentalis</i>	E	

II. COUNTY/SPECIES LIST—Continued

[The following list identifies federally listed or proposed U.S. species by State and County. It has been updated through July 8, 1998. Species listed below with a status of both E and T are generally either endangered or threatened within the specified county.]

State/County	Group name	Inverse name	Scientific name	Status	
YOLO	CRUSTACEAN	PLOVER, WESTERN SNOWY	Charadrius alexandrinus nivosus	T	
		RAIL, LIGHT-FOOTED CLAPPER	Rallus longirostris levipes	E	
		TERN, CALIFORNIA LEAST	Sterna antillarum browni	E	
		VIREO, LEAST BELL'S	Vireo bellii pusillus	E	
		FISHES	LINDERIELLA, CALIFORNIA	Linderiella occidentalis	E
			SHRIMP, CONSERVANCY FAIRY	Branchinecta conservatio	E
		MAMMALS	GOBY, TIDEWATER	Eucyclogobius newberryi	E
			STEELHEAD, SOUTHERN CALIFORNIA POPULATION.	Oncorhynchus mykiss, (Southern California ESU).	E
		PLANTS	FOX, SAN JOAQUIN KIT	Vulpes macrotis mutica	E
			BIRD'S-BEAK, SALT MARSH	Cordylanthus maritimus ssp. maritimus	E
	DUDLEYA, CONEJO		Dudleya abramsii ssp. parva	T	
	DUDLEYA, SANTA MONICA MOUNTAINS.		Dudleya cymosa ssp. ovatifolia	T	
	DUDLEYA, VERITY'S		Dudleya verityi	T	
	GRASS, CALIFORNIA ORCUTT		Orcuttia californica	E	
	MILK-VETCH, BRAUNTON'S		Astragalus brauntonii	E	
	PENTACHAETA, LYON'S		Pentachaeta lyonii	E	
	WATERCRESS, GAMBEL'S		Rorippa gambellii	E	
	REPTILES		LIZARD, BLUNT-NOSED LEOPARD	Gambelia (Crotaphytus) silus	E
			LIZARD, ISLAND NIGHT	Xantusia (Klauberina) riversiana	T
	BIRDS		EAGLE, BALD	Haliaeetus leucocephalus	T
			GOOSE, ALEUTIAN CANADA	Branta canadensis leucopareia	T
	CRUSTACEAN		PLOVER, WESTERN SNOWY	Charadrius alexandrinus nivosus	T
			SHRIMP, VERNAL POOL TADPOLE	Lepidurus packardi	E
	FISHES	SALMON, CHINOOK (CENTRAL VALLEY FALL RUN).	Oncorhynchus tshawytscha	T	
		SALMON, CHINOOK (CENTRAL VALLEY SPRING RUN).	Oncorhynchus tshawytscha	E	
		SALMON, CHINOOK (SACRAMENTO RIVER WINTER RUN).	Oncorhynchus tshawytscha	E	
		SMELT, DELTA	Hypomesus transpacificus	T	
		STEELHEAD, CALIFORNIA CENTRAL VALLEY POP.	Oncorhynchus mykiss, (Central Valley ESU).	E	
		TROUT, STEELHEAD (CENTRAL VALLEY RUN).	Oncorhynchus mykiss	T	
		INSECTS	BEETLE, VALLEY ELDERBERRY LONGHORN.	Desmocerus californicus dimorphus	T
			PLANTS	BIRD'S-BEAK, PALMATE-BRACTED	Cordylanthus palmatus
		GRASS, COLUSA		Neostapfia colusana	T
		REPTILES	SNAKE, GIANT GARTER	Thamnophis gigas	T
	BIRDS		EAGLE, BALD	Haliaeetus leucocephalus	T
		CRUSTACEAN	PELICAN, BROWN	Pelicanus occidentalis	E
FISHES	LINDERIELLA, CALIFORNIA		Linderiella occidentalis	E	
	FISHES	SHRIMP, VERNAL POOL FAIRY	Branchinecta lynchi	T	
FISHES		SHRIMP, VERNAL POOL TADPOLE	Lepidurus packardi	E	
	FISHES	SALMON, CHINOOK (CENTRAL VALLEY SPRING RUN).	Oncorhynchus tshawytscha	E	
INSECTS		TROUT, STEELHEAD (CENTRAL VALLEY RUN).	Oncorhynchus mykiss	T	
	INSECTS	BEETLE, VALLEY ELDERBERRY LONGHORN.	Desmocerus californicus dimorphus	T	
COMMONWEALTH OF THE NORTHERN MARIANAS		BIRDS	CROW, MARIANA	Corvus kubaryi	E
	MALLARD, MARIANA		Anas oustaleti	E	
	MEGAPODE, MICRONESIAN (=LA POROUSE'S).		Megapodius laperouse	E	
	MOORHEN (=GALLINULE), MARIANA COMMON.		Gallinula chloropus guami	E	
	SWIFTLET, MARIANA GRAY (=VANIKORO).		Aerodranus vanikorensis bartschi	E	
	INSECTS	WARBLER, NIGHTINGALE REED	Acrocephalus luscina	E	
		MONARCH, TINIAN	Monarcha takatsukasae	T	
	MAMMALS	BAT, MARIANA FRUIT	Pteropus mariannus mariannus	T	
	PLANTS	HAYUN LAGU (GUAM), TRONKON GUAFI (ROTA).	Serianthes nelsonii	E	
		REPTILES	TURTLE, GREEN SEA	Chelonia mydas	T
CONNECTICUT	FAIRFIELD	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
			PLOVER, PIPING	Charadrius melodus	E, T
	HARTFORD	MAMMALS	BAT, INDIANA	Myotis sodalis	E
		REPTILES	TURTLE, BOG	Clemmys muhlenbergii	T
	LITCHFIELD	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
FISHES		STURGEON, SHORTNOSE	Acipenser brevirostrum	E	
LITCHFIELD	MAMMALS	BAT, INDIANA	Myotis sodalis	E	
	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T	

II. COUNTY/SPECIES LIST—Continued

[The following list identifies federally listed or proposed U.S. species by State and County. It has been updated through July 8, 1998. Species listed below with a status of both E and T are generally either endangered or threatened within the specified county.]

State/County	Group name	Inverse name	Scientific name	Status
MIDDLESEX	MAMMALS	BAT, INDIANA	Myotis sodalis	E
	PLANTS	POGONIA, SMALL WHORLED	Isotria medeoloides	T
	REPTILES	TURTLE, BOG	Clemmys muhlenbergii	T
	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
		PLOVER, PIPING	Charadrius melodus	E, T
		STURGEON, SHORTNOSE	Acipenser brevirostrum	E
		BEEFLE, PURITAN TIGER	Cicindela puritana	T
		BAT, INDIANA	Myotis sodalis	E
		EAGLE, BALD	Haliaeetus leucocephalus	T
		PLOVER, PIPING	Charadrius melodus	E, T
NEW HAVEN		TERN, ROSEATE	Sterna dougalli dougalli	E, T
	MAMMALS	BAT, INDIANA	Myotis sodalis	E
	BIRDS	PLOVER, PIPING	Charadrius melodus	E, T
NEW LONDON		TERN, ROSEATE	Sterna dougalli dougalli	E, T
	MAMMALS	BAT, INDIANA	Myotis sodalis	E
	BIRDS	PLOVER, PIPING	Charadrius melodus	E, T
TOLLAND	MAMMALS	BAT, INDIANA	Myotis sodalis	E
	MAMMALS	BAT, INDIANA	Myotis sodalis	E
WINDHAM	PLANTS	POGONIA, SMALL WHORLED	Isotria medeoloides	T
	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
	MAMMALS	BAT, INDIANA	Myotis sodalis	E
DELAWARE				
KENT	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
	FISHES	STURGEON, SHORTNOSE	Acipenser brevirostrum	E
	PLANTS	PINK, SWAMP	Helonias bullata	T
	REPTILES	TURTLE, HAWKSBILL SEA	Eretmochelys imbricata	E
		TURTLE, KEMP'S (ATLANTIC) RIDLEY SEA.	Lepidochelys kempii	E
NEW CASTLE		TURTLE, LOGGERHEAD SEA	Caretta caretta	T
	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
	FISHES	STURGEON, SHORTNOSE	Acipenser brevirostrum	E
	PLANTS	PINK, SWAMP	Helonias bullata	T
SUSSEX		POGONIA, SMALL WHORLED	Isotria medeoloides	T
	REPTILES	TURTLE, BOG	Clemmys muhlenbergii	T
	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
	BIRDS	FALCON, PEREGRINE	Falco peregrinus	E
		PLOVER, PIPING	Charadrius melodus	E, T
	MAMMALS	SQUIRREL, DELMARVA PENINSULA FOX.	Sciurus niger cinereus	E
	PLANTS	PINK, SWAMP	Helonias bullata	T
	REPTILES	TURTLE, KEMP'S (ATLANTIC) RIDLEY SEA.	Lepidochelys kempii	E
		TURTLE, LOGGERHEAD SEA	Caretta caretta	T
DISTRICT OF COLUMBIA				
DISTRICT OF COLUMBIA	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
	CRUSTACEAN	AMPHIPOD, HAY'S SPRING	Stygobromus hayi	E
FLORIDA				
ALACHUA	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
		JAY, FLORIDA SCRUB	Aphelocoma coerulescens coerulescens	T
		STORK, WOOD	Mycteria americana	E
		WOODPECKER, RED-COCKADED	Picoides borealis	E
BAKER	CLAMS	OVAL PIGTOE	Pleurobema pyriforme	E
	CRUSTACEAN	SHRIMP, SQUIRREL CHIMNEY CAVE	Palaemonetes cummingsi	T
	REPTILES	SNAKE, EASTERN INDIGO	Drymarchon corais couperi	T
	AMPHIBIANS	FLATWOODS SALAMANDER	Ambystoma cingulatum	T
BAY	BIRDS	STORK, WOOD	Mycteria americana	E
		WOODPECKER, RED-COCKADED	Picoides borealis	E
	REPTILES	SNAKE, EASTERN INDIGO	Drymarchon corais couperi	T
	BIRDS	PLOVER, PIPING	Charadrius melodus	E, T
BRADFORD		STORK, WOOD	Mycteria americana	E
		WOODPECKER, RED-COCKADED	Picoides borealis	E
	FISHES	STURGEON, GULF	ACIPENSER OXYRHYNCHUS (=OXYRHYNCHUS DESOTOI).	T
	MAMMALS	MANATEE, WEST INDIAN (FLORIDA)	Trichechus manatus	E
		MOUSE, CHOCTAWHATCHEE BEACH	Peromyscus polionotus altophrys	E
	PLANTS	BIRDS-IN-A-NEST, WHITE	Macbridea alba	T
		BUTTERWORT, GODFREY'S	PINGUICULA IONANTHA	T
		SPURGE, TELEPHUS	Euphorbia telephioides	T
	REPTILES	SNAKE, EASTERN INDIGO	Drymarchon corais couperi	T
		TURTLE, GREEN SEA	Chelonia mydas	E, T
BREVARD		TURTLE, HAWKSBILL SEA	Eretmochelys imbricata	E
		TURTLE, KEMP'S (ATLANTIC) RIDLEY SEA.	Lepidochelys kempii	E
		TURTLE, LEATHERBACK SEA	Dermodochelys coriacea	E
	BIRDS	TURTLE, LOGGERHEAD SEA	Caretta caretta	T
	EAGLE, BALD	Haliaeetus leucocephalus	T	
	STORK, WOOD	Mycteria americana	E	
	OVAL PIGTOE	Pleurobema pyriforme	E	
	SNAKE, EASTERN INDIGO	Drymarchon corais couperi	T	
	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T

II. COUNTY/SPECIES LIST—Continued

[The following list identifies federally listed or proposed U.S. species by State and County. It has been updated through July 8, 1998. Species listed below with a status of both E and T are generally either endangered or threatened within the specified county.]

State/County	Group name	Inverse name	Scientific name	Status	
BROWARD	MAMMALS	JAY, FLORIDA SCRUB	<i>Aphelocoma coerulescens coerulescens</i>	T	
		PLOVER, PIPING	<i>Charadrius melodus</i>	E, T	
		STORK, WOOD	<i>Mycteria americana</i>	E	
		WOODPECKER, RED-COCKADED	<i>Picoides borealis</i>	E	
		MANATEE, WEST INDIAN (FLORIDA)	<i>Trichechus manatus</i>	E	
		MOUSE, SOUTHEASTERN BEACH	<i>Peromyscus polionotus niveiventris</i>	T	
		REPTILES	SNAKE, ATLANTIC SALT MARSH	<i>Nerodia fasciata taeniata</i>	T
			SNAKE, EASTERN INDIGO	<i>Drymarchon corais couperi</i>	T
			TURTLE, GREEN SEA	<i>Chelonia mydas</i>	E, T
			TURTLE, HAWKSBILL SEA	<i>Eretmochelys imbricata</i>	E
			TURTLE, KEMP'S (ATLANTIC) RIDLEY SEA	<i>Lepidochelys kempii</i>	E
			TURTLE, LEATHERBACK SEA	<i>Dermochelys coriacea</i>	E
	BIRDS	TURTLE, LOGGERHEAD SEA	<i>Caretta caretta</i>	T	
		EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T	
		KITE, EVERGLADE SNAIL	<i>Rostrhamus sociabilis plumbeus</i>	E	
		STORK, WOOD	<i>Mycteria americana</i>	E	
		WOODPECKER, RED-COCKADED	<i>Picoides borealis</i>	E	
		MANATEE, WEST INDIAN (FLORIDA)	<i>Trichechus manatus</i>	E	
		PANTHER, FLORIDA	<i>Felis concolor coryi</i>	E	
		JACQUEMONTIA, BEACH	JACQUEMONTIA RECLINATA	E	
		REPTILES	CROCODILE, AMERICAN	<i>Crocodylus acutus</i>	E
			SNAKE, EASTERN INDIGO	<i>Drymarchon corais couperi</i>	T
			TURTLE, GREEN SEA	<i>Chelonia mydas</i>	E, T
			TURTLE, HAWKSBILL SEA	<i>Eretmochelys imbricata</i>	E
TURTLE, KEMP'S (ATLANTIC) RIDLEY SEA	<i>Lepidochelys kempii</i>		E		
TURTLE, LEATHERBACK SEA	<i>Dermochelys coriacea</i>		E		
CALHOUN	AMPHIBIANS	TURTLE, LOGGERHEAD SEA	<i>Caretta caretta</i>	T	
		FLATWOODS SALAMANDER	<i>Ambystoma cingulatum</i>	T	
		STORK, WOOD	<i>Mycteria americana</i>	E	
	BIRDS	CHIPOLA SLAB SHELL	<i>Elliptio chipolaensis</i>	T	
		FAT THREERIDGE	<i>Amblema neisleri</i>	E	
		GULF MOCCASINSHELL	<i>Medionidus penicillatus</i>	E	
		OVAL PIGTOE	<i>Pleurobema pyriforme</i>	E	
		PURPLE BANKCLIMBER	<i>Elliptioideus sloatianus</i>	T	
		SHINYRAYED POCKETBOOK	<i>Lampsilis subangulata</i>	E	
	FISHES	STURGEON, GULF	ACIPENSER OXYRHYNCHUS (=OXYRHYNCHUS DESOTOI)	T	
		PINKROOT, GENTIAN	<i>Spigelia gentianoides</i>	E	
		REPTILES	SNAKE, EASTERN INDIGO	<i>Drymarchon corais couperi</i>	T
CARACARA, AUDUBON'S CRESTED			<i>Caracara cheriway audubonii</i>	T	
CHARLOTTE		BIRDS	EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T
			JAY, FLORIDA SCRUB	<i>Aphelocoma coerulescens coerulescens</i>	T
	STORK, WOOD		<i>Mycteria americana</i>	E	
	WOODPECKER, RED-COCKADED		<i>Picoides borealis</i>	E	
	MANATEE, WEST INDIAN (FLORIDA)		<i>Trichechus manatus</i>	E	
	PAWPAW, BEAUTIFUL		<i>Deeringothamus pulchellus</i>	E	
	REPTILES	SNAKE, EASTERN INDIGO	<i>Drymarchon corais couperi</i>	T	
		TURTLE, GREEN SEA	<i>Chelonia mydas</i>	E, T	
		TURTLE, HAWKSBILL SEA	<i>Eretmochelys imbricata</i>	E	
		TURTLE, KEMP'S (ATLANTIC) RIDLEY SEA	<i>Lepidochelys kempii</i>	E	
		TURTLE, LEATHERBACK SEA	<i>Dermochelys coriacea</i>	E	
		TURTLE, LOGGERHEAD SEA	<i>Caretta caretta</i>	T	
CITRUS	BIRDS	EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T	
		JAY, FLORIDA SCRUB	<i>Aphelocoma coerulescens coerulescens</i>	T	
		KITE, EVERGLADE SNAIL	<i>Rostrhamus sociabilis plumbeus</i>	E	
		STORK, WOOD	<i>Mycteria americana</i>	E	
		WOODPECKER, RED-COCKADED	<i>Picoides borealis</i>	E	
		STURGEON, GULF	ACIPENSER OXYRHYNCHUS (=OXYRHYNCHUS DESOTOI)	T	
	FISHES	MANATEE, WEST INDIAN (FLORIDA)	<i>Trichechus manatus</i>	E	
		SNAKE, EASTERN INDIGO	<i>Drymarchon corais couperi</i>	T	
		TURTLE, GREEN SEA	<i>Chelonia mydas</i>	E, T	
		TURTLE, KEMP'S (ATLANTIC) RIDLEY SEA	<i>Lepidochelys kempii</i>	E	
		TURTLE, LEATHERBACK SEA	<i>Dermochelys coriacea</i>	E	
		TURTLE, LOGGERHEAD SEA	<i>Caretta caretta</i>	T	
CLAY	BIRDS	EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T	
		JAY, FLORIDA SCRUB	<i>Aphelocoma coerulescens coerulescens</i>	T	
		STORK, WOOD	<i>Mycteria americana</i>	E	
		WOODPECKER, RED-COCKADED	<i>Picoides borealis</i>	E	
		STURGEON, SHORTNOSE	<i>Acipenser brevirostrum</i>	E	
		MANATEE, WEST INDIAN (FLORIDA)	<i>Trichechus manatus</i>	E	
	FISHES	RHODODENDRON, CHAPMAN	<i>Rhododendron chapmanii</i>	E	
		SNAKE, EASTERN INDIGO	<i>Drymarchon corais couperi</i>	T	
		EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T	
		JAY, FLORIDA SCRUB	<i>Aphelocoma coerulescens coerulescens</i>	T	
		KITE, EVERGLADE SNAIL	<i>Rostrhamus sociabilis plumbeus</i>	E	

II. COUNTY/SPECIES LIST—Continued

[The following list identifies federally listed or proposed U.S. species by State and County. It has been updated through July 8, 1998. Species listed below with a status of both E and T are generally either endangered or threatened within the specified county.]

State/County	Group name	Inverse name	Scientific name	Status
COLUMBIA	MAMMALS PLANTS REPTILES BIRDS CLAMS FISHES REPTILES BIRDS INSECTS MAMMALS PLANTS REPTILES	PLOVER, PIPING	Charadrius melodus	E, T
		SPARROW, CAPE SABLE SEASIDE	Ammodramus (=Ammospiza) maritimus mirabilis.	E
		STORK, WOOD	Mycteria americana	E
		WOODPECKER, RED-COCKADED	Picoides borealis	E
		MANATEE, WEST INDIAN (FLORIDA)	Trichechus manatus	E
		PANTHER, FLORIDA	Felis concolor coryi	E
		SNAKEROOT	Eryngium cuneifolium	E
		CROCODILE, AMERICAN	Crocodylus acutus	E
		SNAKE, EASTERN INDIGO	Drymarchon corais couperi	T
		TURTLE, GREEN SEA	Chelonia mydas	E, T
		TURTLE, HAWKSBILL SEA	Eretmochelys imbricata	E
		TURTLE, KEMP'S (ATLANTIC) RIDLEY SEA.	Lepidochelys kempii	E
		TURTLE, LEATHERBACK SEA	Dermochelys coriacea	E
		TURTLE, LOGGERHEAD SEA	Caretta caretta	T
		EAGLE, BALD	Haliaeetus leucocephalus	T
DADE	BIRDS CLAMS FISHES REPTILES BIRDS INSECTS MAMMALS PLANTS REPTILES BIRDS FISHES MAMMALS REPTILES BIRDS FISHES MAMMALS REPTILES	STORK, WOOD	Mycteria americana	E
		WOODPECKER, RED-COCKADED	Picoides borealis	E
		OVAL PIGTOE	Pleurobema pyriforme	E
		STURGEON, GULF	ACIPENSER OXYRHYNCHUS (=OXYRHYNCHUS DESOTOI).	T
		SNAKE, EASTERN INDIGO	Drymarchon corais couperi	T
		EAGLE, BALD	Haliaeetus leucocephalus	T
		KITE, EVERGLADE SNAIL	Rostrhamus sociabilis plumbeus	E
		PLOVER, PIPING	Charadrius melodus	E, T
		SPARROW, CAPE SABLE SEASIDE	Ammodramus (=Ammospiza) maritimus mirabilis.	E
		SPARROW, FLORIDA GRASSHOPPER	Ammodramus savannarum floridanus	E
		STORK, WOOD	Mycteria americana	E
		WOODPECKER, RED-COCKADED	Picoides borealis	E
		BUTTERFLY, SCHAUS SWALLOWTAIL	Heraclides (Papilio) aristodemus ponceanus.	E
		MANATEE, WEST INDIAN (FLORIDA)	Trichechus manatus	E
		PANTHER, FLORIDA	Felis concolor coryi	E
DE SOTO	JACQUEMONTIA, BEACH LEAD-PLANT, CRENULATE MILKPEA, SMALL'S POLYGALA, TINY SPURGE, DELTOID REPTILES BIRDS REPTILES BIRDS REPTILES BIRDS FISHES MAMMALS REPTILES	JACQUEMONTIA, BEACH	JACQUEMONTIA RECLINATA	E
		LEAD-PLANT, CRENULATE	Amorpha crenulata	E
		MILKPEA, SMALL'S	Galactia smallii	E
		POLYGALA, TINY	Polygala smallii	E
		SPURGE, DELTOID	Euphorbia (=Chamaesyce) deltoidea ssp. deltoidea.	E
		SPURGE, GARBER'S	Euphorbia (=Chamaesyce) garberi	T
		CROCODILE, AMERICAN	Crocodylus acutus	E
		SNAKE, EASTERN INDIGO	Drymarchon corais couperi	T
		TURTLE, GREEN SEA	Chelonia mydas	E, T
		TURTLE, HAWKSBILL SEA	Eretmochelys imbricata	E
		TURTLE, KEMP'S (ATLANTIC) RIDLEY SEA.	Lepidochelys kempii	E
		TURTLE, LEATHERBACK SEA	Dermochelys coriacea	E
		TURTLE, LOGGERHEAD SEA	Caretta caretta	T
		CARACARA, AUDUBON'S CRESTED	Caracara cheriway audubonii	T
		EAGLE, BALD	Haliaeetus leucocephalus	T
DIXIE	JAY, FLORIDA SCRUB STORK, WOOD REPTILES BIRDS REPTILES BIRDS FISHES MAMMALS REPTILES BIRDS FISHES MAMMALS REPTILES	JAY, FLORIDA SCRUB	Aphelocoma coerulescens coerulescens	T
		STORK, WOOD	Mycteria americana	E
		SNAKE, EASTERN INDIGO	Drymarchon corais couperi	T
		EAGLE, BALD	Haliaeetus leucocephalus	T
		JAY, FLORIDA SCRUB	Aphelocoma coerulescens coerulescens	T
		STORK, WOOD	Mycteria americana	E
		WOODPECKER, RED-COCKADED	Picoides borealis	E
		STURGEON, GULF	ACIPENSER OXYRHYNCHUS (=OXYRHYNCHUS DESOTOI).	T
		MANATEE, WEST INDIAN (FLORIDA)	Trichechus manatus	E
		SNAKE, EASTERN INDIGO	Drymarchon corais couperi	T
		TURTLE, GREEN SEA	Chelonia mydas	E, T
		TURTLE, KEMP'S (ATLANTIC) RIDLEY SEA.	Lepidochelys kempii	E
		TURTLE, LEATHERBACK SEA	Dermochelys coriacea	E
		TURTLE, LOGGERHEAD SEA	Caretta caretta	T
		DUVAL	PLOVER, PIPING STORK, WOOD WOODPECKER, RED-COCKADED STURGEON, SHORTNOSE MANATEE, WEST INDIAN (FLORIDA) SNAKE, EASTERN INDIGO TURTLE, GREEN SEA TURTLE, HAWKSBILL SEA TURTLE, KEMP'S (ATLANTIC) RIDLEY SEA. TURTLE, LEATHERBACK SEA	PLOVER, PIPING
STORK, WOOD	Mycteria americana			E
WOODPECKER, RED-COCKADED	Picoides borealis			E
STURGEON, SHORTNOSE	Acipenser brevirostrum			E
MANATEE, WEST INDIAN (FLORIDA)	Trichechus manatus			E
SNAKE, EASTERN INDIGO	Drymarchon corais couperi			T
TURTLE, GREEN SEA	Chelonia mydas			E, T
TURTLE, HAWKSBILL SEA	Eretmochelys imbricata			E
TURTLE, KEMP'S (ATLANTIC) RIDLEY SEA.	Lepidochelys kempii			E
TURTLE, LEATHERBACK SEA	Dermochelys coriacea			E

II. COUNTY/SPECIES LIST—Continued

[The following list identifies federally listed or proposed U.S. species by State and County. It has been updated through July 8, 1998. Species listed below with a status of both E and T are generally either endangered or threatened within the specified county.]

State/County	Group name	Inverse name	Scientific name	Status
ESCAMBIA	BIRDS	TURTLE, LOGGERHEAD SEA	<i>Caretta caretta</i>	T
		PLOVER, PIPING	<i>Charadrius melodus</i>	E, T
		STORK, WOOD	<i>Mycteria americana</i>	E
	FISHES	WOODPECKER, RED-COCKADED	<i>Picoides borealis</i>	E
		STURGEON, GULF	ACIPENSER OXYRHYNCHUS (=OXYRHYNCHUS DESOTOI).	T
	MAMMALS	MOUSE, PERDIDO KEY BEACH	<i>Peromyscus polionotus trissyllepsis</i>	E
	REPTILES	SNAKE, EASTERN INDIGO	<i>Drymarchon corais couperi</i>	T
		TURTLE, GREEN SEA	<i>Chelonia mydas</i>	E, T
		TURTLE, HAWKSBILL SEA	<i>Eretmochelys imbricata</i>	E
		TURTLE, KEMP'S (ATLANTIC) RIDLEY SEA.	<i>Lepidochelys kempii</i>	E
FLAGLER	BIRDS	TURTLE, LEATHERBACK SEA	<i>Dermochelys coriacea</i>	E
		TURTLE, LOGGERHEAD SEA	<i>Caretta caretta</i>	T
		EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T
	MAMMALS	JAY, FLORIDA SCRUB	<i>Aphelocoma coerulescens coerulescens</i>	T
		STORK, WOOD	<i>Mycteria americana</i>	E
	REPTILES	WOODPECKER, RED-COCKADED	<i>Picoides borealis</i>	E
		MANATEE, WEST INDIAN (FLORIDA)	<i>Trichechus manatus</i>	E
		SNAKE, EASTERN INDIGO	<i>Drymarchon corais couperi</i>	T
		TURTLE, GREEN SEA	<i>Chelonia mydas</i>	E, T
		TURTLE, HAWKSBILL SEA	<i>Eretmochelys imbricata</i>	E
	TURTLE, KEMP'S (ATLANTIC) RIDLEY SEA.	<i>Lepidochelys kempii</i>	E	
FRANKLIN	AMPHIBIANS	TURTLE, LEATHERBACK SEA	<i>Dermochelys coriacea</i>	E
		TURTLE, LOGGERHEAD SEA	<i>Caretta caretta</i>	T
		FLATWOODS SALAMANDER	<i>Ambystoma cingulatum</i>	T
	BIRDS	EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T
		PLOVER, PIPING	<i>Charadrius melodus</i>	E, T
	CLAMS	STORK, WOOD	<i>Mycteria americana</i>	E
		WOODPECKER, RED-COCKADED	<i>Picoides borealis</i>	E
	FISHES	FAT THREE RIDGE	<i>Amblema neislerii</i>	E
		PURPLE BANKCLIMBER	<i>Elliptoideus sloatianus</i>	T
	PLANTS	STURGEON, GULF	ACIPENSER OXYRHYNCHUS (=OXYRHYNCHUS DESOTOI).	T
BEAUTY, HARPER'S		<i>Harperocalis flava</i>	E	
GADSDEN	BIRDS	BIRDS-IN-A-NEST, WHITE	<i>Macbridea alba</i>	T
		BUTTERWORT, GODFREY'S	<i>Pinguicula ionantha</i>	T
		SKULLCAP, FLORIDA	<i>Scutellaria floridana</i>	T
	REPTILES	SPURGE, TELEPHUS	<i>Euphorbia telephioides</i>	T
		SNAKE, EASTERN INDIGO	<i>Drymarchon corais couperi</i>	T
		TURTLE, GREEN SEA	<i>Chelonia mydas</i>	E, T
		TURTLE, HAWKSBILL SEA	<i>Eretmochelys imbricata</i>	E
		TURTLE, KEMP'S (ATLANTIC) RIDLEY SEA.	<i>Lepidochelys kempii</i>	E
		TURTLE, LEATHERBACK SEA	<i>Dermochelys coriacea</i>	E
		TURTLE, LOGGERHEAD SEA	<i>Caretta caretta</i>	T
GILCHRIST	BIRDS	EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T
		STORK, WOOD	<i>Mycteria americana</i>	E
		WOODPECKER, RED-COCKADED	<i>Picoides borealis</i>	E
	FISHES	STURGEON, GULF	ACIPENSER OXYRHYNCHUS (=OXYRHYNCHUS DESOTOI).	T
	REPTILES	SNAKE, EASTERN INDIGO	<i>Drymarchon corais couperi</i>	T
		JAY, FLORIDA SCRUB	<i>Aphelocoma coerulescens coerulescens</i>	T
	MAMMALS	STORK, WOOD	<i>Mycteria americana</i>	E
		WOODPECKER, RED-COCKADED	<i>Picoides borealis</i>	E
	FISHES	STURGEON, GULF	ACIPENSER OXYRHYNCHUS (=OXYRHYNCHUS DESOTOI).	T
GLADES	BIRDS	SNAKE, EASTERN INDIGO	<i>Drymarchon corais couperi</i>	T
		CARACARA, AUDUBON'S CRESTED	<i>Caracara cheriway audubonii</i>	T
		EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T
	REPTILES	JAY, FLORIDA SCRUB	<i>Aphelocoma coerulescens coerulescens</i>	T
		KITE, EVERGLADE SNAIL	<i>Rostrhamus sociabilis plumbeus</i>	E
	MAMMALS	SPARROW, FLORIDA GRASSHOPPER	<i>Ammodramus savannarum floridanus</i>	E
		STORK, WOOD	<i>Mycteria americana</i>	E
	FISHES	WOODPECKER, RED-COCKADED	<i>Picoides borealis</i>	E
		STURGEON, GULF	ACIPENSER OXYRHYNCHUS (=OXYRHYNCHUS DESOTOI).	T
	REPTILES	MANATEE, WEST INDIAN (FLORIDA)	<i>Trichechus manatus</i>	E
PANTHER, FLORIDA		<i>Felis concolor coryi</i>	E	
	SNAKE, EASTERN INDIGO	<i>Drymarchon corais couperi</i>	T	

II. COUNTY/SPECIES LIST—Continued

[The following list identifies federally listed or proposed U.S. species by State and County. It has been updated through July 8, 1998. Species listed below with a status of both E and T are generally either endangered or threatened within the specified county.]

State/County	Group name	Inverse name	Scientific name	Status	
GULF	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T	
		JAY, FLORIDA SCRUB	Aphelocoma coerulescens coerulescens	T	
	BIRDS	PLOVER, PIPING	Charadrius melodus	E, T	
		STORK, WOOD	Mycteria americana	E	
	CLAMS	WOODPECKER, RED-COCKADED	Picoides borealis	E	
		FAT THREERIDGE	Amblema neislerii	E	
	FISHES	PURPLE BANKCLIMBER	Elliptoideus sloatianus	T	
		STURGEON, GULF	ACIPENSER OXYRHYNCHUS (=OXYRHYNCHUS DESOTOI).	T	
	MAMMALS	MANATEE, WEST INDIAN (FLORIDA)	Trichechus manatus	E	
	PLANTS	ST. ANDREW BEACH MOUSE	Peromyscus polionotus peninsularis	E	
		BIRDS-IN-A-NEST, WHITE	Macbridea alba	T	
	REPTILES	BUTTERWORT, GODFREY'S	PINGUICULA IONANTHA	T	
		RHODODENDRON, CHAPMAN	Rhododendron chapmanii	E	
	REPTILES	SPURGE, TELEPHUS	Euphorbia telephioides	T	
		SNAKE, EASTERN INDIGO	Drymarchon corais couperi	T	
	REPTILES	TURTLE, GREEN SEA	Chelonia mydas	E, T	
		TURTLE, HAWKSBILL SEA	Eretmochelys imbricata	E	
	REPTILES	TURTLE, KEMP'S (ATLANTIC) RIDLEY SEA.	Lepidochelys kempii	E	
		TURTLE, LOGGERHEAD SEA	Caretta caretta	T	
	HAMILTON	BIRDS	STORK, WOOD	Mycteria americana	E
			WOODPECKER, RED-COCKADED	Picoides borealis	E
HAMILTON	FISHES	STURGEON, GULF	ACIPENSER OXYRHYNCHUS (=OXYRHYNCHUS DESOTOI).	T	
		SNAKE, EASTERN INDIGO	Drymarchon corais couperi	T	
HARDEE	BIRDS	CARACARA, AUDUBON'S CRESTED	Caracara cheriway audubonii	T	
		EAGLE, BALD	Haliaeetus leucocephalus	T	
HARDEE	BIRDS	JAY, FLORIDA SCRUB	Aphelocoma coerulescens coerulescens	T	
		STORK, WOOD	Mycteria americana	E	
HARDEE	MAMMALS	WOODPECKER, RED-COCKADED	Picoides borealis	E	
		MANATEE, WEST INDIAN (FLORIDA)	Trichechus manatus	E	
HARDEE	PLANTS	BONAMIA, FLORIDA	Bonamia grandiflora	T	
		FRINGE TREE, PYGMY	Chionanthus pygmaeus	E	
HENDRY	REPTILES	SNAKE, EASTERN INDIGO	Drymarchon corais couperi	T	
		CARACARA, AUDUBON'S CRESTED	Caracara cheriway audubonii	T	
HENDRY	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T	
		JAY, FLORIDA SCRUB	Aphelocoma coerulescens coerulescens	T	
HENDRY	BIRDS	KITE, EVERGLADE SNAIL	Rostrhamus sociabilis plumbeus	E	
		STORK, WOOD	Mycteria americana	E	
HENDRY	MAMMALS	WOODPECKER, RED-COCKADED	Picoides borealis	E	
		MANATEE, WEST INDIAN (FLORIDA)	Trichechus manatus	E	
HENDRY	REPTILES	PANTHER, FLORIDA	Felis concolor coryi	E	
		SNAKE, EASTERN INDIGO	Drymarchon corais couperi	T	
HERNANDO	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T	
		JAY, FLORIDA SCRUB	Aphelocoma coerulescens coerulescens	T	
HERNANDO	BIRDS	STORK, WOOD	Mycteria americana	E	
		WOODPECKER, RED-COCKADED	Picoides borealis	E	
HERNANDO	MAMMALS	MANATEE, WEST INDIAN (FLORIDA)	Trichechus manatus	E	
		BELLFLOWER, BROOKSVILLE	NOLINA BRITTONIANA	E	
HERNANDO	PLANTS	WATER-WILLOW, COOLEY'S	Campanula robinsiae	E	
		WATER-WILLOW, COOLEY'S	Justicia cooleyi	E	
HERNANDO	REPTILES	SNAKE, EASTERN INDIGO	Drymarchon corais couperi	T	
		TURTLE, GREEN SEA	Chelonia mydas	E, T	
HERNANDO	REPTILES	TURTLE, HAWKSBILL SEA	Eretmochelys imbricata	E	
		TURTLE, KEMP'S (ATLANTIC) RIDLEY SEA.	Lepidochelys kempii	E	
HERNANDO	REPTILES	TURTLE, LEATHERBACK SEA	Dermochelys coriacea	E	
		TURTLE, LOGGERHEAD SEA	Caretta caretta	T	
HIGHLANDS	BIRDS	CARACARA, AUDUBON'S CRESTED	Caracara cheriway audubonii	T	
		EAGLE, BALD	Haliaeetus leucocephalus	T	
HIGHLANDS	BIRDS	JAY, FLORIDA SCRUB	Aphelocoma coerulescens coerulescens	T	
		KITE, EVERGLADE SNAIL	Rostrhamus sociabilis plumbeus	E	
HIGHLANDS	BIRDS	SPARROW, FLORIDA GRASSHOPPER	Ammodramus savannarum floridanus	E	
		STORK, WOOD	Mycteria americana	E	
HIGHLANDS	MAMMALS	WOODPECKER, RED-COCKADED	Picoides borealis	E	
		PANTHER, FLORIDA	Felis concolor coryi	E	
HIGHLANDS	PLANTS	BEARGRASS, BRITTON'S	NOLINA BRITTONIANA	E	
		BLAZING STAR, SCRUB	Liatris ohlingerae	E	
HIGHLANDS	PLANTS	BONAMIA, FLORIDA	Bonamia grandiflora	T	
		BUCKWHEAT, SCRUB	ERIOGONUM LONGIFOLIUM VAR. GNAPHALIFOLIUM.	T	
HIGHLANDS	PLANTS	CLADONIA, FLORIDA PERFORATE	CLADONIA PERFORATA	E	
		FRINGE TREE, PYGMY	Chionanthus pygmaeus	E	
HIGHLANDS	PLANTS	HAREBELLS, AVON PARK	CROTALARIA AVONENSIS	E	
		HYPERICUM, HIGHLANDS SCRUB	Hypericum cumulicola	E	
HIGHLANDS	PLANTS	MINT, GARRETT'S	Dicerandra christmanii	E	
		MINT, SCRUB	Dicerandra frutescens	E	
HIGHLANDS	PLANTS	MUSTARD, CARTER'S	Warea carteri	E	

II. COUNTY/SPECIES LIST—Continued

[The following list identifies federally listed or proposed U.S. species by State and County. It has been updated through July 8, 1998. Species listed below with a status of both E and T are generally either endangered or threatened within the specified county.]

State/County	Group name	Inverse name	Scientific name	Status	
HILLSBOROUGH	REPTILES	PLUM, SCRUB	<i>Prunus geniculata</i>	E	
		POLYGALA, LEWTON'S	<i>POLYGALA LEWTONII</i>	E	
		ROSEMARY, SHORT-LEAVED	<i>CONRADINA BREVIFOLIA</i>	E	
		SNAKEROOT	<i>Eryngium cuneifolium</i>	E	
		WHITLOW-WORT, PAPERY	<i>Paronychia chartacea</i>	T	
		WINGS, PIGEON	<i>CLITORIA FRAGRANS</i>	T	
		WIREWEED	<i>Polygonella basiramia</i>	E	
		ZIZIPHUS, FLORIDA	<i>Ziziphus celata</i>	E	
		SKINK, BLUE-TAILED MOLE	<i>Eumeces egregius lividus</i>	T	
		SKINK, SAND	<i>Neoseps reynoldsi</i>	T	
	BIRDS	SNAKE, EASTERN INDIGO	<i>Drymarchon corais couperi</i>	T	
		EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T	
		JAY, FLORIDA SCRUB	<i>Aphelocoma coerulescens coerulescens</i>	T	
		PLOVER, PIPING	<i>Charadrius melodus</i>	E, T	
		STORK, WOOD	<i>Mycteria americana</i>	E	
		WOODPECKER, RED-COCKADED	<i>Picoides borealis</i>	E	
		STURGEON, GULF	ACIPENSER OXYRHYNCHUS (=OXYRHYNCHUS DESOTOI).	T	
		MAMMALS	MANATEE, WEST INDIAN (FLORIDA)	<i>Trichechus manatus</i>	E
		PLANTS	ASTER, FLORIDA GOLDEN	<i>Chrysopsis floridana</i> (=Heterotheca floridana).	E
		REPTILES	SNAKE, EASTERN INDIGO	<i>Drymarchon corais couperi</i>	T
TURTLE, GREEN SEA	<i>Chelonia mydas</i>		E, T		
TURTLE, HAWKSBILL SEA	<i>Eretmochelys imbricata</i>		E		
TURTLE, KEMP'S (ATLANTIC) RIDLEY SEA.	<i>Lepidochelys kempii</i>		E		
TURTLE, LEATHERBACK SEA	<i>Dermochelys coriacea</i>		E		
TURTLE, LOGGERHEAD SEA	<i>Caretta caretta</i>		T		
FLATWOODS SALAMANDER	<i>Ambystoma cingulatum</i>		T		
STORK, WOOD	<i>Mycteria americana</i>		E		
WOODPECKER, RED-COCKADED	<i>Picoides borealis</i>		E		
SNAKE, EASTERN INDIGO	<i>Drymarchon corais couperi</i>		T		
HOLMES	AMPHIBIANS	CARACARA, AUDUBON'S CRESTED	<i>Caracara cheriway audubonii</i>	T	
		EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T	
	BIRDS	JAY, FLORIDA SCRUB	<i>Aphelocoma coerulescens coerulescens</i>	T	
		KITE, EVERGLADE SNAIL	<i>Rostrhamus sociabilis plumbeus</i>	E	
	REPTILES	STORK, WOOD	<i>Mycteria americana</i>	E	
		WOODPECKER, RED-COCKADED	<i>Picoides borealis</i>	E	
	MAMMALS	MANATEE, WEST INDIAN (FLORIDA)	<i>Trichechus manatus</i>	E	
		MOUSE, SOUTHEASTERN BEACH	<i>Peromyscus polionotus niveiventris</i>	T	
	PLANTS	MINT, LAKELA'S	<i>Dicerandra immaculata</i>	E	
	REPTILES	SNAKE, ATLANTIC SALT MARSH	<i>Nerodia fasciata taeniata</i>	T	
SNAKE, EASTERN INDIGO		<i>Drymarchon corais couperi</i>	T		
INDIAN RIVER	BIRDS	TURTLE, GREEN SEA	<i>Chelonia mydas</i>	E, T	
		TURTLE, HAWKSBILL SEA	<i>Eretmochelys imbricata</i>	E	
	TURTLE, KEMP'S (ATLANTIC) RIDLEY SEA.	<i>Lepidochelys kempii</i>	E		
	TURTLE, LEATHERBACK SEA	<i>Dermochelys coriacea</i>	E		
	TURTLE, LOGGERHEAD SEA	<i>Caretta caretta</i>	T		
	FLATWOODS SALAMANDER	<i>Ambystoma cingulatum</i>	T		
	STORK, WOOD	<i>Mycteria americana</i>	E		
	WOODPECKER, RED-COCKADED	<i>Picoides borealis</i>	E		
	MAMMALS	MANATEE, WEST INDIAN (FLORIDA)	<i>Trichechus manatus</i>	E	
		MOUSE, SOUTHEASTERN BEACH	<i>Peromyscus polionotus niveiventris</i>	T	
PLANTS	MINT, LAKELA'S	<i>Dicerandra immaculata</i>	E		
REPTILES	SNAKE, ATLANTIC SALT MARSH	<i>Nerodia fasciata taeniata</i>	T		
	SNAKE, EASTERN INDIGO	<i>Drymarchon corais couperi</i>	T		
JACKSON	BIRDS	TURTLE, GREEN SEA	<i>Chelonia mydas</i>	E, T	
		TURTLE, HAWKSBILL SEA	<i>Eretmochelys imbricata</i>	E	
	TURTLE, KEMP'S (ATLANTIC) RIDLEY SEA.	<i>Lepidochelys kempii</i>	E		
	TURTLE, LEATHERBACK SEA	<i>Dermochelys coriacea</i>	E		
	TURTLE, LOGGERHEAD SEA	<i>Caretta caretta</i>	T		
	FLATWOODS SALAMANDER	<i>Ambystoma cingulatum</i>	T		
	STORK, WOOD	<i>Mycteria americana</i>	E		
	WOODPECKER, RED-COCKADED	<i>Picoides borealis</i>	E		
	CLAMS	CHIPOLA SLAB SHELL	<i>Elliptio chipolaensis</i>	T	
		FAT THREERIDGE	<i>Amblema neislerii</i>	E	
FISHES	GULF MOCCASIN SHELL	<i>Medionidus penicillatus</i>	E		
	OVAL PIGTOE	<i>Pleurobema pyriforme</i>	E		
MAMMALS	PURPLE BANKCLIMBER	<i>Elliptoideus sloatianus</i>	T		
	SHINYRAYED POCKETBOOK	<i>Lampsilis subangulata</i>	E		
PLANTS	STURGEON, GULF	ACIPENSER OXYRHYNCHUS (=OXYRHYNCHUS DESOTOI).	T		
	BAT, GRAY	<i>Myotis grisescens</i>	E		
REPTILES	BAT, INDIANA	<i>Myotis sodalis</i>	E		
	PINKROOT, GENTIAN	<i>Spigelia gentianoides</i>	E		
PLANTS	TORREYA, FLORIDA	<i>Torreya taxifolia</i>	E		
	SNAKE, EASTERN INDIGO	<i>Drymarchon corais couperi</i>	T		
JEFFERSON	BIRDS	EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T	
		STORK, WOOD	<i>Mycteria americana</i>	E	
FISHES	STURGEON, GULF	ACIPENSER OXYRHYNCHUS (=OXYRHYNCHUS DESOTOI).	T		
	GOOSEBERRY, MICCOSUKEE (FLORIDA).	<i>Ribes echinellum</i>	T		
LAFAYETTE	REPTILES	SNAKE, EASTERN INDIGO	<i>Drymarchon corais couperi</i>	T	
		TURTLE, GREEN SEA	<i>Chelonia mydas</i>	E, T	
		TURTLE, KEMP'S (ATLANTIC) RIDLEY SEA.	<i>Lepidochelys kempii</i>	E	
BIRDS	TURTLE, LEATHERBACK SEA	<i>Caretta caretta</i>	T		
	STORK, WOOD	<i>Mycteria americana</i>	E		
	WOODPECKER, RED-COCKADED	<i>Picoides borealis</i>	E		
FISHES	STURGEON, GULF	ACIPENSER OXYRHYNCHUS (=OXYRHYNCHUS DESOTOI).	T		

II. COUNTY/SPECIES LIST—Continued

[The following list identifies federally listed or proposed U.S. species by State and County. It has been updated through July 8, 1998. Species listed below with a status of both E and T are generally either endangered or threatened within the specified county.]

State/County	Group name	Inverse name	Scientific name	Status
LAKE	REPTILES	SNAKE, EASTERN INDIGO	Drymarchon corais couperi	T
	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
		JAY, FLORIDA SCRUB	Aphelocoma coerulescens coerulescens	T
		KITE, EVERGLADE SNAIL	Rostrhamus sociabilis plumbeus	E
		STORK, WOOD	Mycteria americana	E
		WOODPECKER, RED-COCKADED	Picoides borealis	E
	MAMMALS	MANATEE, WEST INDIAN (FLORIDA)	Trichechus manatus	E
	PLANTS	BEARGRASS, BRITTON'S	NOLINA BRITTONIANA	E
		BONAMIA, FLORIDA	Bonamia grandiflora	T
		BUCKWHEAT, SCRUB	ERIOGONUM LONGIFOLIUM VAR. GNAPHALIFOLIUM.	T
		FRINGE TREE, PYGMY	Chionanthus pygmaeus	E
		PLUM, SCRUB	Prunus geniculata	E
		POLYGALA, LEWTON'S	POLYGALA LEWTONII	E
		WAREA, WIDE-LEAF	Warea amplexifolia	E
LEE	REPTILES	WHITLOW-WORT, PAPERY	Paronychia chartacea	T
		SKINK, SAND	Neoseps reynoldsi	T
	BIRDS	SNAKE, EASTERN INDIGO	Drymarchon corais couperi	T
		EAGLE, BALD	Haliaeetus leucocephalus	T
		JAY, FLORIDA SCRUB	Aphelocoma coerulescens coerulescens	T
		KITE, EVERGLADE SNAIL	Rostrhamus sociabilis plumbeus	E
		PLOVER, PIPING	Charadrius melodus	E, T
		STORK, WOOD	Mycteria americana	E
		WOODPECKER, RED-COCKADED	Picoides borealis	E
	MAMMALS	MANATEE, WEST INDIAN (FLORIDA)	Trichechus manatus	E
		PANTHER, FLORIDA	Felis concolor coryi	E
	PLANTS	PAWPAW, BEAUTIFUL	Deeringothamus pulchellus	E
	REPTILES	CROCODILE, AMERICAN	Crocodylus acutus	E
		SNAKE, EASTERN INDIGO	Drymarchon corais couperi	T
	TURTLE, GREEN SEA	Chelonia mydas	E, T	
	TURTLE, HAWKSBILL SEA	Eretmochelys imbricata	E	
	TURTLE, KEMP'S (ATLANTIC) RIDLEY SEA.	Lepidochelys kempii	E	
LEON	BIRDS	TURTLE, LEATHERBACK SEA	Dermochelys coriacea	E
		TURTLE, LOGGERHEAD SEA	Caretta caretta	T
		EAGLE, BALD	Haliaeetus leucocephalus	T
		STORK, WOOD	Mycteria americana	E
	CLAMS	WOODPECKER, RED-COCKADED	Picoides borealis	E
		OCHOLOCKONEE MOCCASINSHELL	Medionidus simpsonianus	E
		OVAL PIGTOE	Pleurobema pyriforme	E
		PURPLE BANKCLIMBER	Elliotoideus sloatianus	L, T
		SHINYRAYED POCKETBOOK	Lampsilis subangulata	E
	REPTILES	SNAKE, EASTERN INDIGO	Drymarchon corais couperi	T
	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
		JAY, FLORIDA SCRUB	Aphelocoma coerulescens coerulescens	T
		STORK, WOOD	Mycteria americana	E
		WOODPECKER, RED-COCKADED	Picoides borealis	E
FISHES	STURGEON, GULF	ACIPENSER OXYRHYNCHUS (=OXYRHYNCHUS DESOTOI).	T	
MAMMALS	MANATEE, WEST INDIAN (FLORIDA)	Trichechus manatus	E	
	VOLE, FLORIDA SALT MARSH	Microtus pennsylvanicus dukecampbelli	E	
REPTILES	SNAKE, EASTERN INDIGO	Drymarchon corais couperi	T	
	TURTLE, GREEN SEA	Chelonia mydas	E, T	
	TURTLE, KEMP'S (ATLANTIC) RIDLEY SEA.	Lepidochelys kempii	E	
LIBERTY	AMPHIBIANS	TURTLE, LOGGERHEAD SEA	Caretta caretta	T
		FLATWOODS SALAMANDER	Ambystoma cingulatum	T
	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
		STORK, WOOD	Mycteria americana	E
		WOODPECKER, RED-COCKADED	Picoides borealis	E
	CLAMS	FAT THREEERIDGE	Amblema neislerii	E
		PURPLE BANKCLIMBER	Elliotoideus sloatianus	L, T
	FISHES	STURGEON, GULF	ACIPENSER OXYRHYNCHUS (=OXYRHYNCHUS DESOTOI).	T
	PLANTS	BEAUTY, HARPER'S	Harperocalis flava	E
		BIRDS-IN-A-NEST, WHITE	Macbridea alba	T
		BUTTERWORT, GODFREY'S	PINGUICULA IONANTHA	T
		RHODODENDRON, CHAPMAN	Rhododendron chapmanii	E
		ROSEMARY, APALACHICOLA	CONRADINA GLABRA	E
	SKULLCAP, FLORIDA	Scutellaria floridana	T	
	TORREYA, FLORIDA	Torreya taxifolia	E	
REPTILES	SNAKE, EASTERN INDIGO	Drymarchon corais couperi	T	
BIRDS	STORK, WOOD	Mycteria americana	E	
	WOODPECKER, RED-COCKADED	Picoides borealis	E	
FISHES	STURGEON, GULF	ACIPENSER OXYRHYNCHUS (=OXYRHYNCHUS DESOTOI).	T	
MADISON	REPTILES	SNAKE, EASTERN INDIGO	Drymarchon corais couperi	T
	BIRDS	CARACARA, AUDUBON'S CRESTED	Caracara cheriway audubonii	T
MANATEE	REPTILES	SNAKE, EASTERN INDIGO	Drymarchon corais couperi	T
	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T

II. COUNTY/SPECIES LIST—Continued

[The following list identifies federally listed or proposed U.S. species by State and County. It has been updated through July 8, 1998. Species listed below with a status of both E and T are generally either endangered or threatened within the specified county.]

State/County	Group name	Inverse name	Scientific name	Status	
MARION	FISHES	JAY, FLORIDA SCRUB	<i>Aphelocoma coerulescens coerulescens</i>	T	
		PLOVER, PIPING	<i>Charadrius melodus</i>	E, T	
		STORK, WOOD	<i>Mycteria americana</i>	E	
		WOODPECKER, RED-COCKADED	<i>Picoides borealis</i>	E	
		STURGEON, GULF	ACIPENSER OXYRHYNCHUS (=OXYRHYNCHUS DESOTOI).	T	
	MAMMALS	MANATEE, WEST INDIAN (FLORIDA)	<i>Trichechus manatus</i>	E	
		REPTILES	SNAKE, EASTERN INDIGO	<i>Drymarchon corais couperi</i>	T
	TURTLE, GREEN SEA		<i>Chelonia mydas</i>	E, T	
	TURTLE, HAWKSBILL SEA		<i>Eretmochelys imbricata</i>	E	
	TURTLE, KEMP'S (ATLANTIC) RIDLEY SEA.		<i>Lepidochelys kempii</i>	E	
	TURTLE, LEATHERBACK SEA		<i>Dermochelys coriacea</i>	E	
	BIRDS	TURTLE, LOGGERHEAD SEA	<i>Caretta caretta</i>	T	
		EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T	
		JAY, FLORIDA SCRUB	<i>Aphelocoma coerulescens coerulescens</i>	T	
		KITE, EVERGLADE SNAIL	<i>Rostrhamus sociabilis plumbeus</i>	E	
		STORK, WOOD	<i>Mycteria americana</i>	E	
		WOODPECKER, RED-COCKADED	<i>Picoides borealis</i>	E	
		MAMMALS	MANATEE, WEST INDIAN (FLORIDA)	<i>Trichechus manatus</i>	E
			PLANTS	BONAMIA, FLORIDA	<i>Bonamia grandiflora</i>
		BUCKWHEAT, SCRUB		<i>Eriogonum Longifolium</i> Var. <i>Gnaphalifolium</i> .	T
		REPTILES	MINT, LONGSPURRED	<i>Dicerandra cornutissima</i>	E
	POLYGALA, LEWTON'S		<i>Polygala Lewtonii</i>	E	
	SKINK, SAND		<i>Neoseps reynoldsi</i>	T	
	SNAKE, EASTERN INDIGO		<i>Drymarchon corais couperi</i>	T	
	BIRDS		CARACARA, AUDUBON'S CRESTED	<i>Caracara cheriway audubonii</i>	T
			EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T
	JAY, FLORIDA SCRUB		<i>Aphelocoma coerulescens coerulescens</i>	T	
KITE, EVERGLADE SNAIL	<i>Rostrhamus sociabilis plumbeus</i>		E		
PLOVER, PIPING	<i>Charadrius melodus</i>		E, T		
STORK, WOOD	<i>Mycteria americana</i>		E		
WOODPECKER, RED-COCKADED	<i>Picoides borealis</i>	E			
MAMMALS	MANATEE, WEST INDIAN (FLORIDA)	<i>Trichechus manatus</i>	E		
	REPTILES	PAWPAW, FOUR-PETAL	<i>Asimina tetramera</i>	E	
SNAKE, EASTERN INDIGO		<i>Drymarchon corais couperi</i>	T		
TURTLE, GREEN SEA	<i>Chelonia mydas</i>	E, T			
TURTLE, HAWKSBILL SEA	<i>Eretmochelys imbricata</i>	E			
TURTLE, KEMP'S (ATLANTIC) RIDLEY SEA.	<i>Lepidochelys kempii</i>	E			
MONROE	BIRDS	TURTLE, LEATHERBACK SEA	<i>Dermochelys coriacea</i>	E	
		TURTLE, LOGGERHEAD SEA	<i>Caretta caretta</i>	T	
		CARACARA, AUDUBON'S CRESTED	<i>Caracara cheriway audubonii</i>	T	
		EAGLE, BALD	<i>Haliaeetus leucocephalus</i>	T	
		KITE, EVERGLADE SNAIL	<i>Rostrhamus sociabilis plumbeus</i>	E	
	PLOVER, PIPING	<i>Charadrius melodus</i>	E, T		
	STORK, WOOD	<i>Mycteria americana</i>	E		
	WOODPECKER, RED-COCKADED	<i>Picoides borealis</i>	E		
	INSECTS	BUTTERFLY, SCHAUS SWALLOWTAIL	<i>Heraclides (Papilio) aristodemus ponceanus</i> .	E	
		MAMMALS	DEER, KEY	<i>Odocoileus virginianus clavium</i>	E
MANATEE, WEST INDIAN (FLORIDA)	<i>Trichechus manatus</i>	E			
MOUSE, KEY LARGO COTTON	<i>Peromyscus gossypinus allapaticola</i>	E			
PANTHER, FLORIDA	<i>Felis concolor coryi</i>	E			
RABBIT, LOWER KEYS	<i>Sylvilagus palustris hefneri</i>	E			
RAT, SILVER RICE	<i>Oryzomys palustris natator</i> (=O. <i>argentatus</i>).	E			
RICE RAT (=SILVER RICE RAT)	<i>Oryzomys palustris natator</i> (=O. <i>argentatus</i>).	E			
PLANTS	WOODRAT, KEY LARGO	<i>Neotoma floridana smalli</i>	E		
	CACTUS, KEY TREE	<i>Cereus robinii</i>	E		
REPTILES	SPURGE, GARBER'S	<i>Euphorbia (=Chamaesyce) garberi</i>	T		
	CROCODILE, AMERICAN	<i>Crocodylus acutus</i>	E		
	SNAKE, EASTERN INDIGO	<i>Drymarchon corais couperi</i>	T		
	TURTLE, GREEN SEA	<i>Chelonia mydas</i>	E, T		
	TURTLE, HAWKSBILL SEA	<i>Eretmochelys imbricata</i>	E		
	TURTLE, KEMP'S (ATLANTIC) RIDLEY SEA.	<i>Lepidochelys kempii</i>	E		
	TURTLE, LEATHERBACK SEA	<i>Dermochelys coriacea</i>	E		
	TURTLE, LOGGERHEAD SEA	<i>Caretta caretta</i>	T		
	SNAILS	SNAIL, STOCK ISLAND	<i>Orthalicus reses</i>	T	
		BIRDS	STORK, WOOD	<i>Mycteria americana</i>	E
WOODPECKER, RED-COCKADED	<i>Picoides borealis</i>		E		
MAMMALS	MANATEE, WEST INDIAN (FLORIDA)	<i>Trichechus manatus</i>	E		
	REPTILES	SNAKE, EASTERN INDIGO	<i>Drymarchon corais couperi</i>	T	

II. COUNTY/SPECIES LIST—Continued

[The following list identifies federally listed or proposed U.S. species by State and County. It has been updated through July 8, 1998. Species listed below with a status of both E and T are generally either endangered or threatened within the specified county.]

State/County	Group name	Inverse name	Scientific name	Status
OKALOOSA	AMPHIBIANS BIRDS FISHES PLANTS REPTILES	TURTLE, GREEN SEA	Chelonia mydas	E, T
		TURTLE, HAWKSBILL SEA	Eretmochelys imbricata	E
		TURTLE, KEMP'S (ATLANTIC) RIDLEY SEA.	Lepidochelys kempii	E
		TURTLE, LEATHERBACK SEA	Dermochelys coriacea	E
		TURTLE, LOGGERHEAD SEA	Caretta caretta	T
		FLATWOODS SALAMANDER	Ambystoma cingulatum	T
		PLOVER, PIPING	Charadrius melodus	E, T
		STORK, WOOD	Mycteria americana	E
		WOODPECKER, RED-COCKADED	Picoides borealis	E
		DARTER, OKALOOSA	Etheostoma okaloosae	E
		STURGEON, GULF	ACIPENSER OXYRHYNCHUS (=OXYRHYNCHUS DESOTOI).	T
		CLADONIA, FLORIDA PERFORATE	CLADONIA PERFORATA	E
		SNAKE, EASTERN INDIGO	Drymarchon corais couperi	T
		TURTLE, GREEN SEA	Chelonia mydas	E, T
TURTLE, HAWKSBILL SEA	Eretmochelys imbricata	E		
TURTLE, KEMP'S (ATLANTIC) RIDLEY SEA.	Lepidochelys kempii	E		
OKEECHOBEE	BIRDS	TURTLE, LEATHERBACK SEA	Dermochelys coriacea	E
		TURTLE, LOGGERHEAD SEA	Caretta caretta	T
		CARACARA, AUDUBON'S CRESTED	Caracara cheriway audubonii	T
		EAGLE, BALD	Haliaeetus leucocephalus	T
		JAY, FLORIDA SCRUB	Aphelocoma coerulescens coerulescens	T
		KITE, EVERGLADE SNAIL	Rostrhamus sociabilis plumbeus	E
		SPARROW, FLORIDA GRASSHOPPER	Ammodramus savannarum floridanus	E
		STORK, WOOD	Mycteria americana	E
		WOODPECKER, RED-COCKADED	Picoides borealis	E
		MANATEE, WEST INDIAN (FLORIDA)	Trichechus manatus	E
		SNAKE, EASTERN INDIGO	Drymarchon corais couperi	T
		CARACARA, AUDUBON'S CRESTED	Caracara cheriway audubonii	T
		EAGLE, BALD	Haliaeetus leucocephalus	T
		JAY, FLORIDA SCRUB	Aphelocoma coerulescens coerulescens	T
ORANGE	BIRDS MAMMALS REPTILES BIRDS PLANTS	KITE, EVERGLADE SNAIL	Rostrhamus sociabilis plumbeus	E
		STORK, WOOD	Mycteria americana	E
		WOODPECKER, RED-COCKADED	Picoides borealis	E
		BEARGRASS, BRITTON'S	NOLINA BRITTONIANA	E
		BONAMIA, FLORIDA	Bonamia grandiflora	T
		BUCKWHEAT, SCRUB	ERIOGONUM LONGIFOLIUM VAR. GNAPHLIFOLIUM.	T
		LUPINE, SCRUB	Lupinus aridorum	E
		PAWPAW, BEAUTIFUL	Deeringothamus pulchellus	E
		SANDLACE	POLYGONELLA MYRIOPHYLLA	E
		WHITLOW-WORT, PAPERY	Paronychia chartacea	T
		SKINK, SAND	Neoseps reynoldsi	T
		SNAKE, EASTERN INDIGO	Drymarchon corais couperi	T
		CARACARA, AUDUBON'S CRESTED	Caracara cheriway audubonii	T
		EAGLE, BALD	Haliaeetus leucocephalus	T
JAY, FLORIDA SCRUB	Aphelocoma coerulescens coerulescens	T		
OSCEOLA	BIRDS BIRDS PLANTS	KITE, EVERGLADE SNAIL	Rostrhamus sociabilis plumbeus	E
		SPARROW, FLORIDA GRASSHOPPER	Ammodramus savannarum floridanus	E
		STORK, WOOD	Mycteria americana	E
		WOODPECKER, RED-COCKADED	Picoides borealis	E
		BUCKWHEAT, SCRUB	ERIOGONUM LONGIFOLIUM VAR. GNAPHALIFOLIUM.	T
		FRINGE TREE, PYGMY	Chionanthus pygmaeus	E
		POLYGALA, LEWTON'S	POLYGALA LEWTONII	E
		SANDLACE	POLYGONELLA MYRIOPHYLLA	E
		SNAKE, EASTERN INDIGO	Drymarchon corais couperi	T
		CARACARA, AUDUBON'S CRESTED	Caracara cheriway audubonii	T
		EAGLE, BALD	Haliaeetus leucocephalus	T
		JAY, FLORIDA SCRUB	Aphelocoma coerulescens coerulescens	T
		KITE, EVERGLADE SNAIL	Rostrhamus sociabilis plumbeus	E
		PLOVER, PIPING	Charadrius melodus	E, T
PALM BEACH	BIRDS BIRDS MAMMALS PLANTS REPTILES	STORK, WOOD	Mycteria americana	E
		WOODPECKER, RED-COCKADED	Picoides borealis	E
		MANATEE, WEST INDIAN (FLORIDA)	Trichechus manatus	E
		GOURD, OKEECHOBEE	CUCURBITA OKEECHOBENSIS	E
		JACQUEMONTIA, BEACH	JACQUEMONTIA RECLINATA	E
		PAWPAW, FOURPETAL	Asimina tetramera	E
		SNAKE, EASTERN INDIGO	Drymarchon corais couperi	T
		TURTLE, GREEN SEA	Chelonia mydas	E, T
		TURTLE, HAWKSBILL SEA	Eretmochelys imbricata	E
		TURTLE, KEMP'S (ATLANTIC) RIDLEY SEA.	Lepidochelys kempii	E
		TURTLE, LEATHERBACK SEA	Dermochelys coriacea	E
		TURTLE, LOGGERHEAD SEA	Caretta caretta	T
		EAGLE, BALD	Haliaeetus leucocephalus	T
		JAY, FLORIDA SCRUB	Aphelocoma coerulescens coerulescens	T
PASCO	BIRDS	TURTLE, LEATHERBACK SEA	Dermochelys coriacea	E
		TURTLE, LOGGERHEAD SEA	Caretta caretta	T
		EAGLE, BALD	Haliaeetus leucocephalus	T
		JAY, FLORIDA SCRUB	Aphelocoma coerulescens coerulescens	T

II. COUNTY/SPECIES LIST—Continued

[The following list identifies federally listed or proposed U.S. species by State and County. It has been updated through July 8, 1998. Species listed below with a status of both E and T are generally either endangered or threatened within the specified county.]

State/County	Group name	Inverse name	Scientific name	Status
PINELLAS	FISHES	PLOVER, PIPING	Charadrius melodus	E, T
		STORK, WOOD	Mycteria americana	E
		WOODPECKER, RED-COCKADED	Picoides borealis	E
		STURGEON, GULF	ACIPENSER OXYRHYNCHUS (=OXYRHYNCHUS DESOTOI).	T
	MAMMALS	MANATEE, WEST INDIAN (FLORIDA)	Trichechus manatus	E
	REPTILES	SNAKE, EASTERN INDIGO	Drymarchon corais couperi	T
		TURTLE, GREEN SEA	Chelonia mydas	E, T
		TURTLE, HAWKSBILL SEA	Eretmochelys imbricata	E
		TURTLE, KEMP'S (ATLANTIC) RIDLEY SEA.	Lepidochelys kempii	E
		TURTLE, LEATHERBACK SEA	Dermochelys coriacea	E
		TURTLE, LOGGERHEAD SEA	Caretta caretta	T
	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
		PLOVER, PIPING	Charadrius melodus	E, T
		STORK, WOOD	Mycteria americana	E
		WOODPECKER, RED-COCKADED	Picoides borealis	E
	FISHES	STURGEON, GULF	ACIPENSER OXYRHYNCHUS (=OXYRHYNCHUS DESOTOI).	T
	MAMMALS	MANATEE, WEST INDIAN (FLORIDA)	Trichechus manatus	E
	REPTILES	SNAKE, EASTERN INDIGO	Drymarchon corais couperi	T
		TURTLE, GREEN SEA	Chelonia mydas	E, T
		TURTLE, HAWKSBILL SEA	Eretmochelys imbricata	E
	TURTLE, KEMP'S (ATLANTIC) RIDLEY SEA.	Lepidochelys kempii	E	
POLK	BIRDS	TURTLE, LEATHERBACK SEA	Dermochelys coriacea	E
		TURTLE, LOGGERHEAD SEA	Caretta caretta	T
		CARACARA, AUDUBON'S CRESTED	Caracara cheriway audubonii	T
		EAGLE, BALD	Haliaeetus leucocephalus	T
		JAY, FLORIDA SCRUB	Aphelocoma coerulescens coerulescens	T
		KITE, EVERGLADE SNAIL	Rostrhamus sociabilis plumbeus	E
		SPARROW, FLORIDA GRASSHOPPER	Ammodramus savannarum floridanus	E
		STORK, WOOD	Mycteria americana	E
		WOODPECKER, RED-COCKADED	Picoides borealis	E
	PLANTS	BEARGRASS, BRITTON'S	NOLINA BRITTONIANA	E
		BLAZING STAR, SCRUB	Liatris ohlingerae	E
		BONAMIA, FLORIDA	Bonamia grandiflora	T
		FRINGE TREE, PYGMY	Chionanthus pygmaeus	E
		HAREBELLS, AVON PARK	CROTALARIA AVONENSIS	E
		HYPERICUM, HIGHLANDS SCRUB	Hypericum cumulicola	E
		LUPINE, SCRUB	Lupinus aridorum	E
		MUSTARD, CARTER'S	Warea carteri	E
		PLUM, SCRUB	Prunus geniculata	E
		POLYGALA, LEWTON'S	POLYGALA LEWTONII	E
		ROSEMARY, SHORTLEAVED	CONRADINA BREVIFOLIA	E
	SANDLACE	POLYGONELLA MYRIOPHYLLA	E	
	WAREA, WIDELEAF	Warea amplexifolia	E	
	WHITLOW-WORT, PAPERY	Paronychia chartacea	T	
	WINGS, PIGEON	CLITORIA FRAGRANS	T	
	WIREWEED	Polygonella basiramia	E	
	ZIZIPHUS, FLORIDA	Ziziphus celata	E	
PUTNAM	REPTILES	SKINK, BLUETAILED MOLE	Eumeces egregius lividus	T
		SKINK, SAND	Neoseps reynoldsi	T
		SNAKE, EASTERN INDIGO	Drymarchon corais couperi	T
	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
		JAY, FLORIDA SCRUB	Aphelocoma coerulescens coerulescens	T
		STORK, WOOD	Mycteria americana	E
		WOODPECKER, RED-COCKADED	Picoides borealis	E
	FISHES	STURGEON, SHORTNOSE	Acipenser brevirostrum	E
	MAMMALS	MANATEE, WEST INDIAN (FLORIDA)	Trichechus manatus	E
	PLANTS	ROSEMARY, ETONIA	CONRADINA ETONIA	E
	SNAKEROOT	Eryngium cuneifolium	E	
SANTA ROSA	REPTILES	SNAKE, EASTERN INDIGO	Drymarchon corais couperi	T
	AMPHIBIANS	FLATWOODS SALAMANDER	Ambystoma cingulatum	T
	BIRDS	PLOVER, PIPING	Charadrius melodus	E, T
		STORK, WOOD	Mycteria americana	E
	WOODPECKER, RED-COCKADED	Picoides borealis	E	
FISHES	STURGEON, GULF	ACIPENSER OXYRHYNCHUS (=OXYRHYNCHUS DESOTOI).	T	
REPTILES		SNAKE, EASTERN INDIGO	Drymarchon corais couperi	T
		TURTLE, GREEN SEA	Chelonia mydas	E, T
		TURTLE, HAWKSBILL SEA	Eretmochelys imbricata	E
		TURTLE, KEMP'S (ATLANTIC) RIDLEY SEA.	Lepidochelys kempii	E
SARASOTA	BIRDS	TURTLE, LEATHERBACK SEA	Dermochelys coriacea	E
		TURTLE, LOGGERHEAD SEA	Caretta caretta	T
		CARACARA, AUDUBON'S CRESTED	Caracara cheriway audubonii	T
		EAGLE, BALD	Haliaeetus leucocephalus	T
	JAY, FLORIDA SCRUB	Aphelocoma coerulescens coerulescens	T	

II. COUNTY/SPECIES LIST—Continued

[The following list identifies federally listed or proposed U.S. species by State and County. It has been updated through July 8, 1998. Species listed below with a status of both E and T are generally either endangered or threatened within the specified county.]

State/County	Group name	Inverse name	Scientific name	Status	
SEMINOLE	MAMMALS	PLOVER, PIPING	Charadrius melodus	E, T	
		STORK, WOOD	Mycteria americana	E	
		WOODPECKER, RED-COCKADED	Picoides borealis	E	
		MANATEE, WEST INDIAN (FLORIDA)	Trichechus manatus	E	
		REPTILES	SNAKE, EASTERN INDIGO	Drymarchon corais couperi	T
	BIRDS	TURTLE, GREEN SEA	Chelonia mydas	E, T	
		TURTLE, HAWKSBILL SEA	Eretmochelys imbricata	E	
		TURTLE, KEMP'S (ATLANTIC) RIDLEY SEA	Lepidochelys kempii	E	
		TURTLE, LEATHERBACK SEA	Dermochelys coriacea	E	
		TURTLE, LOGGERHEAD SEA	Caretta caretta	T	
ST. JOHNS	MAMMALS	EAGLE, BALD	Haliaeetus leucocephalus	T	
		JAY, FLORIDA SCRUB	Aphelocoma coerulescens coerulescens	T	
		STORK, WOOD	Mycteria americana	E	
		WOODPECKER, RED-COCKADED	Picoides borealis	E	
		REPTILES	MANATEE, WEST INDIAN (FLORIDA)	Trichechus manatus	E
	BIRDS	SNAKE, EASTERN INDIGO	Drymarchon corais couperi	T	
		EAGLE, BALD	Haliaeetus leucocephalus	T	
		JAY, FLORIDA SCRUB	Aphelocoma coerulescens coerulescens	T	
		PLOVER, PIPING	Charadrius melodus	E, T	
		STORK, WOOD	Mycteria americana	E	
ST. LUCIE	MAMMALS	WOODPECKER, RED-COCKADED	Picoides borealis	E	
		MANATEE, WEST INDIAN (FLORIDA)	Trichechus manatus	E	
		MOUSE, ANASTASIA ISLAND BEACH	Peromyscus polionotus phasma	E	
		REPTILES	SNAKE, EASTERN INDIGO	Drymarchon corais couperi	T
		TURTLE, GREEN SEA	Chelonia mydas	E, T	
	BIRDS	TURTLE, HAWKSBILL SEA	Eretmochelys imbricata	E	
		TURTLE, KEMP'S (ATLANTIC) RIDLEY SEA	Lepidochelys kempii	E	
		TURTLE, LEATHERBACK SEA	Dermochelys coriacea	E	
		TURTLE, LOGGERHEAD SEA	Caretta caretta	T	
		CARACARA, AUDUBON'S CRESTED	Caracara cheriway audubonii	T	
SUMTER	MAMMALS	EAGLE, BALD	Haliaeetus leucocephalus	T	
		JAY, FLORIDA SCRUB	Aphelocoma coerulescens coerulescens	T	
		KITE, EVERGLADE SNAIL	Rostrhamus sociabilis plumbeus	E	
		PLOVER, PIPING	Charadrius melodus	E, T	
		STORK, WOOD	Mycteria americana	E	
	REPTILES	WOODPECKER, RED-COCKADED	Picoides borealis	E	
		MANATEE, WEST INDIAN (FLORIDA)	Trichechus manatus	E	
		MOUSE, SOUTHEASTERN BEACH	Peromyscus polionotus niveiventris	T	
		PLANTS	MINT, LAKELA'S	Dicerandra immaculata	E
		PRICKLY-APPLE, FRAGRANT	Cereus eriophorus var. fragrans	E	
SUWANNEE	REPTILES	SNAKE, EASTERN INDIGO	Drymarchon corais couperi	T	
		TURTLE, GREEN SEA	Chelonia mydas	E, T	
		TURTLE, HAWKSBILL SEA	Eretmochelys imbricata	E	
		TURTLE, KEMP'S (ATLANTIC) RIDLEY SEA	Lepidochelys kempii	E	
		TURTLE, LEATHERBACK SEA	Dermochelys coriacea	E	
	BIRDS	TURTLE, LOGGERHEAD SEA	Caretta caretta	T	
		EAGLE, BALD	Haliaeetus leucocephalus	T	
		JAY, FLORIDA SCRUB	Aphelocoma coerulescens coerulescens	T	
		KITE, EVERGLADE SNAIL	Rostrhamus sociabilis plumbeus	E	
		STORK, WOOD	Mycteria americana	E	
TAYLOR	REPTILES	WOODPECKER, RED-COCKADED	Picoides borealis	E	
		SNAKE, EASTERN INDIGO	Drymarchon corais couperi	T	
		STORK, WOOD	Mycteria americana	E	
		WOODPECKER, RED-COCKADED	Picoides borealis	E	
		FISHES	STURGEON, GULF	ACIPENSER OXYRHYNCHUS (=OXYRHYNCHUS DESOTOI).	T
	BIRDS	SNAKE, EASTERN INDIGO	Drymarchon corais couperi	T	
		EAGLE, BALD	Haliaeetus leucocephalus	T	
		PLOVER, PIPING	Charadrius melodus	E, T	
		STORK, WOOD	Mycteria americana	E	
		WOODPECKER, RED-COCKADED	Picoides borealis	E	
UNION	REPTILES	STURGEON, GULF	ACIPENSER OXYRHYNCHUS (=OXYRHYNCHUS DESOTOI).	T	
		MANATEE, WEST INDIAN (FLORIDA)	Trichechus manatus	E	
		SNAKE, EASTERN INDIGO	Drymarchon corais couperi	T	
		TURTLE, GREEN SEA	Chelonia mydas	E, T	
		TURTLE, KEMP'S (ATLANTIC) RIDLEY SEA	Lepidochelys kempii	E	
	BIRDS	TURTLE, LOGGERHEAD SEA	Caretta caretta	T	
		STORK, WOOD	Mycteria americana	E	
		WOODPECKER, RED-COCKADED	Picoides borealis	E	
		CLAMS	OVAL PIGTOE	Pleurobema pyriforme	E
		REPTILES	SNAKE, EASTERN INDIGO	Drymarchon corais couperi	T
VOLUSIA	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T	
		JAY, FLORIDA SCRUB	Aphelocoma coerulescens coerulescens	T	

II. COUNTY/SPECIES LIST—Continued

[The following list identifies federally listed or proposed U.S. species by State and County. It has been updated through July 8, 1998. Species listed below with a status of both E and T are generally either endangered or threatened within the specified county.]

State/County	Group name	Inverse name	Scientific name	Status	
WAKULLA	MAMMALS PLANTS REPTILES	KITE, EVERGLADE SNAIL	Rostrhamus sociabilis plumbeus	E	
		PLOVER, PIPING	Charadrius melodus	E, T	
		STORK, WOOD	Mycteria americana	E	
		WOODPECKER, RED-COCKADED	Picoides borealis	E	
		MANATEE, WEST INDIAN (FLORIDA)	Trichechus manatus	E	
		PAWPAW, RUGEL'S	Deeringothamus rugelii	E	
		SNAKE, ATLANTIC SALT MARSH	Nerodia fasciata taeniata	T	
		SNAKE, EASTERN INDIGO	Drymarchon corais couperi	T	
		TURTLE, GREEN SEA	Chelonia mydas	E, T	
		TURTLE, HAWKSBILL SEA	Eretmochelys imbricata	E	
	TURTLE, KEMP'S (ATLANTIC) RIDLEY SEA	Lepidochelys kempii	E		
	TURTLE, LEATHERBACK SEA	Dermochelys coriacea	E		
	TURTLE, LOGGERHEAD SEA	Caretta caretta	T		
	AMPHIBIANS	FLATWOODS SALAMANDER	Ambystoma cingulatum	T	
	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T	
	FISHES	PLOVER, PIPING	Charadrius melodus	E, T	
		STORK, WOOD	Mycteria americana	E	
		WOODPECKER, RED-COCKADED	Picoides borealis	E	
		STURGEON, GULF	ACIPENSER OXYRHYNCHUS (=OXYRHYNCHUS DESOTOI)	T	
		MAMMALS	MANATEE, WEST INDIAN (FLORIDA)	Trichechus manatus	E
		REPTILES	SNAKE, EASTERN INDIGO	Drymarchon corais couperi	T
	WALTON	REPTILES	TURTLE, GREEN SEA	Chelonia mydas	E, T
			TURTLE, KEMP'S (ATLANTIC) RIDLEY SEA	Lepidochelys kempii	E
			TURTLE, LEATHERBACK SEA	Dermochelys coriacea	E
TURTLE, LOGGERHEAD SEA			Caretta caretta	T	
AMPHIBIANS		FLATWOODS SALAMANDER	Ambystoma cingulatum	T	
BIRDS		PLOVER, PIPING	Charadrius melodus	E, T	
FISHES		STORK, WOOD	Mycteria americana	E	
		WOODPECKER, RED-COCKADED	Picoides borealis	E	
		DARTER, OKALOOSA	Etheostoma okaloosae	E	
		STURGEON, GULF	ACIPENSER OXYRHYNCHUS (=OXYRHYNCHUS DESOTOI)	T	
		MAMMALS	MOUSE, CHOCTAWHATCHEE BEACH	Peromyscus polionotus allopshys	E
		PLANTS	MEADOWRUE, COOLEY'S	Thalictrum cooleyi	E
REPTILES		SNAKE, EASTERN INDIGO	Drymarchon corais couperi	T	
WASHINGTON		REPTILES	TURTLE, GREEN SEA	Chelonia mydas	E, T
	TURTLE, HAWKSBILL SEA		Eretmochelys imbricata	E	
	TURTLE, KEMP'S (ATLANTIC) RIDLEY SEA		Lepidochelys kempii	E	
	TURTLE, LEATHERBACK SEA		Dermochelys coriacea	E	
	AMPHIBIANS	TURTLE, LOGGERHEAD SEA	Caretta caretta	T	
	BIRDS	FLATWOODS SALAMANDER	Ambystoma cingulatum	T	
	REPTILES	STORK, WOOD	Mycteria americana	E	
		WOODPECKER, RED-COCKADED	Picoides borealis	E	
		SNAKE, EASTERN INDIGO	Drymarchon corais couperi	T	
		GUAM	BIRDS	BROADBILL, GUAM	Myiagra freycineti
CROW, MARIANA				Corvus kubaryi	E
KINGFISHER, GUAM MICRONESIAN				Halcyon cinnamomina cinnamomina	E
MALLARD, MARIANA	Anas oustaleti			E	
MOORHEN, MARIANA COMMON	Gallinula chloropus guami			E	
RAIL, GUAM	Rallus owstoni			E	
SWIFTLET, MARIANA GRAY (=VANIKORO)	Aerodramus vanikorensis bartschi			E	
MAMMALS	WHITE-EYE, BRIDLED (NOSSA)			Zosterops conspicillata conspicillata	E
BAT, LITTLE MARIANA FRUIT	Pteropus tokudae			E	
BAT, MARIANA FRUIT	Pteropus mariannus mariannus			E	
PLANTS	DUGONG	Dugong dugon	E		
REPTILES	HAYUN LAGU (TRONKON GUAFI)	Serianthes nelsonii	E		
TURTLE, GREEN SEA	Chelonia mydas	E, T			
TURTLE, HAWKSBILL SEA	Eretmochelys imbricata	E			
IDAHO	BIRDS	FALCON, PEREGRINE	Falco peregrinus	E	
		TROUT, BULL (COLUMBIA RIVER POPULATION)	Salvelinus confluentus	T	
	FISHES	EAGLE, BALD	Haliaeetus leucocephalus	T	
		FALCON, PEREGRINE	Falco peregrinus	E	
ADAMS	BIRDS	SALMON, CHINOOK (SNAKE RIVER FALL RUN)	Oncorhynchus tshawytscha	T	
		SALMON, CHINOOK (SNAKE RIVER SPRING/SUMMER)	Oncorhynchus tshawytscha	T	
	FISHES	STEELHEAD, SNAKE RIVER BASIN POPULATION	Oncorhynchus mykiss, (Snake River Basin ESU)	T	
		TROUT, BULL (COLUMBIA RIVER POPULATION)	Salvelinus confluentus	T	

II. COUNTY/SPECIES LIST—Continued

[The following list identifies federally listed or proposed U.S. species by State and County. It has been updated through July 8, 1998. Species listed below with a status of both E and T are generally either endangered or threatened within the specified county.]

State/County	Group name	Inverse name	Scientific name	Status
BANNOCK	MAMMALS	SQUIRRE NORTHERN IDAHO GROUND WOLF, GRAY	Spermophilus brunneus brunneus	T
	BIRDS	EAGLE, BALD	Canis lupus	E, T
	BIRDS	FALCON, PEREGRINE	Haliaeetus leucocephalus	T
BEAR LAKE	BIRDS	EAGLE, BALD	Falco peregrinus	E
	BIRDS	FALCON, PEREGRINE	Haliaeetus leucocephalus	T
BENEWAH	BIRDS	EAGLE, BALD	Falco peregrinus	E
	FISHES	SALMON, CHINOOK (SNAKE RIVER FALL RUN).	Haliaeetus leucocephalus	T
BINGHAM	FISHES	TROUT, BULL (COLUMBIA RIVER ESU)	Oncorhynchus tshawytscha	T
	MAMMALS	WOLF, GRAY	Salvelinus confluentus	T
	BIRDS	EAGLE, BALD	Canis lupus	E, T
BLAINE	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
	FISHES	SALMON, CHINOOK (SNAKE RIVER SPRING/SUMMER).	Haliaeetus leucocephalus	T
	FISHES	SALMON, SNAKE RIVER SOCKEYE	Oncorhynchus tshawytscha	T
BOISE	FISHES	TROUT, BULL (COLUMBIA RIVER POPULATION).	Oncorhynchus nerka	E
	MAMMALS	WOLF, GRAY	Salvelinus confluentus	T
	BIRDS	EAGLE, BALD	Canis lupus	E, T
BONNER	FISHES	TROUT, BULL (COLUMBIA RIVER POPULATION).	Haliaeetus leucocephalus	T
	MAMMALS	WOLF, GRAY	Falco peregrinus	E
	BIRDS	EAGLE, BALD	Salvelinus confluentus	T
BONNEVILLE	MAMMALS	BEAR, GRIZZLY	Ursus arctos (=U.a. horribilis)	T
	BIRDS	CARIBOU, WOODLAND	Rangifer tarandus caribou	D, E
	BIRDS	WOLF, GRAY	Canis lupus	E, T
BOUNDARY	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
	MAMMALS	WOLF, GRAY	Falco peregrinus	E
	FISHES	STURGEON, WHITE (KOOTENAI RIVER POP.).	Canis lupus	E, T
BUTTE	FISHES	TROUT, BULL (COLUMBIA RIVER POPULATION).	Haliaeetus leucocephalus	T
	MAMMALS	BEAR, GRIZZLY	Ursus arctos (=U.a. horribilis)	T
	BIRDS	CARIBOU, WOODLAND	Rangifer tarandus caribou	E
CAMAS	BIRDS	WOLF, GRAY	Canis lupus	E, T
	FISHES	EAGLE, BALD	Haliaeetus leucocephalus	T
	FISHES	FALCON, PEREGRINE	Falco peregrinus	E
CANYON	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
	FISHES	TROUT, BULL (COLUMBIA RIVER POPULATION).	Falco peregrinus	E
	FISHES	TROUT, BULL (COLUMBIA RIVER POPULATION).	Salvelinus confluentus	T
CARIBOU	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
	BIRDS	FALCON, PEREGRINE	Falco peregrinus	E
CASSIA	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
	BIRDS	FALCON, PEREGRINE	Falco peregrinus	E
CLARK	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
	BIRDS	FALCON, PEREGRINE	Falco peregrinus	E
CLEARWATER	MAMMALS	WOLF, GRAY	Canis lupus	E, T
	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
	FISHES	SALMON, CHINOOK (SNAKE RIVER FALL RUN).	Oncorhynchus tshawytscha	T
CUSTER	FISHES	SALMON, CHINOOK (SNAKE RIVER SPRING/SUMMER).	Oncorhynchus tshawytscha	T
	FISHES	STEELHEAD, SNAKE RIVER BASIN POPULATION.	Oncorhynchus mykiss, (Snake River Basin ESU).	T
	FISHES	TROUT, BULL (COLUMBIA RIVER POPULATION).	Salvelinus confluentus	T
ELMORE	MAMMALS	BEAR, GRIZZLY	Ursus arctos (=U.a. horribilis)	T
	BIRDS	WOLF, GRAY	Canis lupus	E, T
	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
ELMORE	FISHES	FALCON, PEREGRINE	Falco peregrinus	E
	FISHES	SALMON, CHINOOK (SNAKE RIVER SPRING/SUMMER).	Oncorhynchus tshawytscha	T
	FISHES	SALMON, SNAKE RIVER SOCKEYE	Oncorhynchus nerka	E
ELMORE	FISHES	STEELHEAD, SNAKE RIVER BASIN POPULATION.	Oncorhynchus mykiss, (Snake River Basin ESU).	T
	FISHES	TROUT, BULL (COLUMBIA RIVER POPULATION).	Salvelinus confluentus	T
	FISHES	WOLF, GRAY	Canis lupus	E, T
ELMORE	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
	FISHES	TROUT, BULL (COLUMBIA RIVER POPULATION).	Salvelinus confluentus	T
	FISHES	TROUT, BULL (COLUMBIA RIVER POPULATION).	Salvelinus confluentus	T

II. COUNTY/SPECIES LIST—Continued

[The following list identifies federally listed or proposed U.S. species by State and County. It has been updated through July 8, 1998. Species listed below with a status of both E and T are generally either endangered or threatened within the specified county.]

State/County	Group name	Inverse name	Scientific name	Status
FRANKLIN FREMONT	SNAILS	LIMPET, BANBURY SPRINGS	Lanx n. sp	E
		SNAIL, BLISS RAPIDS	Family Hydrobiidae n. sp	T
		SNAIL, SNAKE RIVER PHYSA	Physa natricina	E
	BIRDS	SNAIL, UTAH VALVATA	Valvata utahensis	E
		SPRINGSNAIL, IDAHO	Fontelicella idahoensis	E
	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
		EAGLE, BALD	Haliaeetus leucocephalus	T
	MAMMALS	FALCON, PEREGRINE	Falco peregrinus	E
		BEAR, GRIZZLY	Ursus arctos (=U.a. horribilis)	T
	GEM	WOLF, GRAY	Canis lupus	E, T
EAGLE, BALD		Haliaeetus leucocephalus	T	
GOODING	FISHES	TROUT, BULL (COLUMBIA RIVER ESU)	Salvelinus confluentus	T
	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
IDAHO	SNAILS	LIMPET, BANBURY SPRINGS	Lanx n. sp	E
		SNAIL, BLISS RAPIDS	Family Hydrobiidae n. sp	T
		SNAIL, SNAKE RIVER PHYSA	Physa natricina	E
	BIRDS	SNAIL, UTAH VALVATA	Valvata utahensis	E
		EAGLE, BALD	Haliaeetus leucocephalus	T
	FISHES	FALCON, PEREGRINE	Falco peregrinus	E
		SALMON, CHINOOK (SNAKE RIVER FALL RUN)	Oncorhynchus tshawytscha	T
	MAMMALS	SALMON, CHINOOK (SNAKE RIVER SPRING/SUMMER)	Oncorhynchus tshawytscha	T
		SALMON, SNAKE RIVER SOCKEYE	Oncorhynchus nerka	E
	JEFFERSON	STEELHEAD, SNAKE RIVER BASIN POPULATION	Oncorhynchus mykiss, (Snake River Basin ESU)	T
TROUT, BULL (COLUMBIA RIVER POPULATION)		Salvelinus confluentus	T	
BIRDS	BEAR, GRIZZLY	Ursus arctos (=U.a. horribilis)	T	
	WOLF, GRAY	Canis lupus	E, T	
JEROME	PLANTS	FOUR-O'CLOCK, MACFARLANE'S	Mirabilis macfarlanei	T
	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
KOOTENAI	BIRDS	FALCON, PEREGRINE	Falco peregrinus	E
	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
LATAH	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
	FISHES	FALCON, PEREGRINE	Falco peregrinus	E
LEMHI	FISHES	TROUT, BULL (COLUMBIA RIVER POPULATION)	Salvelinus confluentus	T
	MAMMALS	WOLF, GRAY	Canis lupus	E, T
LEWIS	PLANTS	HOWELLIA, WATER	Howellia aquatilis	T
	FISHES	SALMON, CHINOOK (SNAKE RIVER FALL RUN)	Oncorhynchus tshawytscha	T
MADISON	PLANTS	TROUT, BULL (COLUMBIA RIVER ESU)	Salvelinus confluentus	T
	BIRDS	HOWELLIA, WATER	Howellia aquatilis	T
MINIDOKA	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
NEZ PERCE	FISHES	SALMON, CHINOOK (SNAKE RIVER FALL RUN)	Oncorhynchus tshawytscha	T
	FISHES	SALMON, CHINOOK (SNAKE RIVER SPRING/SUMMER)	Oncorhynchus tshawytscha	T
OWYHEE	SALMON, SNAKE RIVER SOCKEYE	Oncorhynchus nerka	E	
	STEELHEAD, SNAKE RIVER BASIN POPULATION	Oncorhynchus mykiss, (Snake River Basin ESU)	T	
MADISON	TROUT, BULL (COLUMBIA RIVER POPULATION)	Salvelinus confluentus	T	
	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
MINIDOKA	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
NEZ PERCE	FISHES	SALMON, CHINOOK (SNAKE RIVER FALL RUN)	Oncorhynchus tshawytscha	T
	FISHES	SALMON, CHINOOK (SNAKE RIVER SPRING/SUMMER)	Oncorhynchus tshawytscha	T
OWYHEE	SALMON, SNAKE RIVER SOCKEYE	Oncorhynchus nerka	E	
	TROUT, BULL (COLUMBIA RIVER POPULATION)	Salvelinus confluentus	T	
MADISON	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
	BIRDS	FALCON, PEREGRINE	Falco peregrinus	E
MINIDOKA	FISHES	TROUT, BULL (JARBRIDGE RIVER ESU)	Salvelinus confluentus	T
	SNAILS	SNAIL, SNAKE RIVER PHYSA	Physa natricina	E
NEZ PERCE	SNAILS	SNAIL, SNAKE RIVER PHYSA	Physa natricina	E
	SNAILS	SPRINGSNAIL, BRUNEAU HOT	Pyrgulopsis bruneauensis	E

II. COUNTY/SPECIES LIST—Continued

[The following list identifies federally listed or proposed U.S. species by State and County. It has been updated through July 8, 1998. Species listed below with a status of both E and T are generally either endangered or threatened within the specified county.]

State/County	Group name	Inverse name	Scientific name	Status
PAYETTE	BIRDS	SPRINGSNAIL, IDAHO	Fontelicella idahoensis	E
	FISHES	EAGLE, BALD	Haliaeetus leucocephalus	T
	FISHES	SALMON, CHINOOK (SNAKE RIVER SPRING/SUMMER). TROUT, BULL (COLUMBIA RIVER ESU)	Oncorhynchus tshawytscha Salvelinus confluentus	T T
POWER	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
SHOSHONE	SNAILS	SNAIL, UTAH VALVATA	Valvata utahensis	E
	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
TETON	FISHES	SALMON, CHINOOK (SNAKE RIVER FALL RUN). TROUT, BULL (COLUMBIA RIVER ESU)	Oncorhynchus tshawytscha Salvelinus confluentus	T T
	MAMMALS	BEAR, GRIZZLY	Ursus arctos (=U.a. horribilis)	T
	MAMMALS	WOLF, GRAY	Canis lupus	E, T
TWIN FALLS	BIRDS	BEAR, GRIZZLY	Ursus arctos (=U.a. horribilis)	T
VALLEY	SNAILS	EAGLE, BALD	Haliaeetus leucocephalus	T
	BIRDS	SNAIL, BLISS RAPIDS SNAIL, SNAKE RIVER PHYSA	Family Hydrobiidae n. sp. Physa natricina	T E
WASHINGTON	FISHES	EAGLE, BALD	Haliaeetus leucocephalus	T
	FISHES	FALCON, PEREGRINE	Falco peregrinus	E
	FISHES	SALMON, CHINOOK	Oncorhynchus tshawytscha	E
	FISHES	SALMON, CHINOOK (SNAKE RIVER FALL RUN). SALMON, CHINOOK (SNAKE RIVER SPRING/SUMMER).	Oncorhynchus tshawytscha Oncorhynchus tshawytscha	T T
	FISHES	SALMON, SNAKE RIVER SOCKEYE STEELHEAD, SNAKE RIVER BASIN POPULATION.	Oncorhynchus nerka Oncorhynchus mykiss, (Snake River Basin ESU).	E T
	FISHES	TROUT, BULL (COLUMBIA RIVER POPULATION).	Salvelinus confluentus	T
	MAMMALS	SQUIRREL, NORTHERN IDAHO GROUND. WOLF, GRAY	Spermophilus brunneus brunneus Canis lupus	T E, T
	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
	FISHES	TROUT, BULL (COLUMBIA RIVER POPULATION).	Salvelinus confluentus	T
	LOUISIANA			
ACADIA	BIRDS	FALCON, ARCTIC PEREGRINE	Falco peregrinus tundrius	T
ALLEN	BIRDS	FALCON, ARCTIC PEREGRINE	Falco peregrinus tundrius	T
ASCENSION	BIRDS	WOODPECKER, RED-COCKADED	Picoides borealis	E
	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
	BIRDS	FALCON, ARCTIC PEREGRINE	Falco peregrinus tundrius	T
BEAUREGARD	CLAMS	HEELSPLITTER, INFLATED	Potamilus inflatus	T
	FISHES	STURGEON, GULF	Acipenser oxyrhynchus (=oxyrhynchus desotoi).	T
ASSUMPTION	BIRDS	STURGEON, PALLID	Scaphirhynchus albus	E
	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
	BIRDS	FALCON, ARCTIC PEREGRINE	Falco peregrinus tundrius	T
AVOYELLES	MAMMALS	BEAR, LOUISIANA BLACK	Ursus americanus luteolus	T
BEAUREGARD	BIRDS	FALCON, ARCTIC PEREGRINE	Falco peregrinus tundrius	T
	FISHES	STURGEON, PALLID	Scaphirhynchus albus	E
BIENVILLE	BIRDS	FALCON, ARCTIC PEREGRINE	Falco peregrinus tundrius	T
	BIRDS	WOODPECKER, RED-COCKADED	Picoides borealis	E
BOSSIER	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
	BIRDS	FALCON, ARCTIC PEREGRINE	Falco peregrinus tundrius	T
CADDO	BIRDS	FALCON, ARCTIC PEREGRINE	Falco peregrinus tundrius	T
	FISHES	STURGEON, PALLID	Scaphirhynchus albus	E
	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
CALCASIEU	FISHES	FALCON, ARCTIC PEREGRINE	Falco peregrinus tundrius	T
	BIRDS	STURGEON, PALLID	Scaphirhynchus albus	E
CALDWELL	BIRDS	FALCON, ARCTIC PEREGRINE	Falco peregrinus tundrius	T
	FISHES	STURGEON, PALLID	Scaphirhynchus albus	E
CAMERON	BIRDS	FALCON, ARCTIC PEREGRINE	Falco peregrinus tundrius	T
	BIRDS	PELICAN, BROWN	Pelicanus occidentalis	E
	REPTILES	PLOVER, PIPING TURTLE, KEMP'S (ATLANTIC) RIDLEY SEA.	Charadrius melodus Lepidochelys kempii	E, T E
CATAHOULA	BIRDS	FALCON, ARCTIC PEREGRINE	Falco peregrinus tundrius	T
	FISHES	STURGEON, PALLID	Scaphirhynchus albus	E
CLAIBORNE	MAMMALS	BEAR, LOUISIANA BLACK	Ursus americanus luteolus	T
	BIRDS	EAGLE, BALD	Haliaeetus leucocephalus	T
CONCORDIA	BIRDS	FALCON, ARCTIC PEREGRINE	Falco peregrinus tundrius	T
	FISHES	WOODPECKER, RED-COCKADED	Picoides borealis	E
	MAMMALS	STURGEON, PALLID BEAR, AMERICAN BLACK BEAR, LOUISIANA BLACK	Scaphirhynchus albus Ursus americanus Ursus americanus luteolus	E T T