

| SPECIES_ID | NAME                               | GEN_SPEC                      | ELEMENT | SUBELEMENT | GRANK     |
|------------|------------------------------------|-------------------------------|---------|------------|-----------|
|            | GRANKDATE                          |                               |         |            |           |
| 386        | Accipiter hawks                    | Accipiter spp.                | BIRD    | raptor     | 0         |
| 259        | Alameda song sparrow               | Melospiza melodia pusillula   | BIRD    | passerine  | 0         |
| 1036       | Albatrosses                        | Phoebastria spp.              | BIRD    | pelagic    | 0         |
| 1024       | Alcids                             |                               | BIRD    | alcid      | 0         |
| 215        | Aleutian Canada goose              | Branta canadensis leucopareia | BIRD    | waterfowl  | 0         |
| 101        | Aleutian tern                      | Sterna aleutica               | BIRD    | gull_tern  | G4 200412 |
| 575        | Altamira oriole                    | Icterus gularis               | BIRD    | passerine  | G5 200412 |
| 323        | Amazon kingfisher                  | Chloroceryle amazona          | BIRD    | passerine  | 0         |
| 141        | American avocet                    | Recurvirostra americana       | BIRD    | shorebird  | G5 200412 |
| 185        | American bittern                   | Botaurus lentiginosus         | BIRD    | wading     | G4 200412 |
| 186        | American black duck                | Anas rubripes                 | BIRD    | waterfowl  | G5 200412 |
| 34         | American coot                      | Fulica americana              | BIRD    | waterfowl  | G5 200412 |
| 746        | American crow                      | Corvus brachyrhynchos         | BIRD    | passerine  | G5 200412 |
| 815        | American dipper                    | Cinclus mexicanus             | BIRD    | passerine  | 0         |
| 164        | American golden-plover             | Pluvialis dominica            | BIRD    | shorebird  | G5 200412 |
| 748        | American goldfinch                 | Carduelis tristis             | BIRD    | passerine  | G5 200412 |
| 182        | American kestrel                   | Falco sparverius              | BIRD    | raptor     | G5 200412 |
| 152        | American oystercatcher             | Haematopus palliatus          | BIRD    | shorebird  | G5 200412 |
| 626        | American peregrine falcon          | Falco peregrinus anatum       | BIRD    | raptor     | 0         |
| 749        | American pipit                     | Anthus rubescens              | BIRD    | passerine  | G5 200412 |
| 322        | American pygmy kingfisher          | Chloroceryle aenea            | BIRD    | passerine  | 0         |
| 584        | American redstart                  | Setophaga ruticilla           | BIRD    | passerine  | G5 200412 |
| 750        | American robin                     | Turdus migratorius            | BIRD    | passerine  | G5 200412 |
| 173        | American white pelican             | Pelecanus erythrorhynchos     | BIRD    | diving     | G3 200412 |
| 169        | American wigeon                    | Anas americana                | BIRD    | waterfowl  | G5 200412 |
| 195        | American woodcock                  | Scolopax minor                | BIRD    | wading     | G5 200412 |
| 106        | Ancient murrelet                   | Synthliboramphus antiquus     | BIRD    | alcid      | G4 200412 |
| 121        | Anhinga                            | Anhinga anhinga               | BIRD    | diving     | G5 200412 |
| 751        | Anna's hummingbird                 | Calypte anna                  | BIRD    | passerine  | G5 200412 |
| 369        | Aplomado falcon                    | Falco femoralis               | BIRD    | raptor     | G4 200412 |
| 2          | Arctic loon                        | Gavia arctica                 | BIRD    | diving     | G5 200412 |
| 285        | Arctic peregrine falcon            | Falco peregrinus tundrius     | BIRD    | raptor     | 0         |
| 80         | Arctic tern                        | Sterna paradisaea             | BIRD    | gull_tern  | G5 200412 |
| 524        | Armenian gull                      | Larus armenicus               | BIRD    | gull_tern  | 0         |
| 144        | Ashy storm-petrel                  | Oceanodroma homochroa         | BIRD    | pelagic    | G2 200412 |
| 78         | Atlantic puffin                    | Fratercula arctica            | BIRD    | alcid      | G5 200412 |
| 276        | Attwater's greater prairie chicken | Tympanuchus cupido attwateri  | BIRD    | landfowl   | 0         |
| 525        | Audouin's gull                     | Larus audouinii               | BIRD    | gull_tern  | 0         |
| 460        | Audubon's crested caracara         | Polyborus plancus audubonii   | BIRD    | raptor     | 0         |

|      |                           |                                  |      |           |      |        |
|------|---------------------------|----------------------------------|------|-----------|------|--------|
| 287  | Audubon's shearwater      | <i>Puffinus lherminieri</i>      | BIRD | pelagic   | G4G5 | 200412 |
| 725  | Australian gray duck      | <i>Anas superciliosa</i>         | BIRD | waterfowl |      | 0      |
| 485  | Avocet                    | <i>Recurvirostra avosetta</i>    | BIRD | wading    |      | 0      |
| 568  | Aztec parakeet            | <i>Aratinga astec</i>            | BIRD | passerine |      | 0      |
| 481  | Baillon's crake           | <i>Porzana pusilla</i>           | BIRD | wading    |      | 0      |
| 237  | Baird's sandpiper         | <i>Calidris bairdii</i>          | BIRD | shorebird | G5   | 200412 |
| 76   | Bald eagle                | <i>Haliaeetus leucocephalus</i>  | BIRD | raptor    | G4   | 200412 |
| 583  | Baltimore oriole          | <i>Icterus galbula</i>           | BIRD | passerine | G5   | 200412 |
| 588  | Banded wren               | <i>Thryothorus pleurostictus</i> | BIRD | passerine |      | 0      |
| 339  | Band-rumped storm-petrel  | <i>Oceanodroma castro</i>        | BIRD | pelagic   | G4   | 200412 |
| 814  | Band-tailed pigeon        | <i>Patagioenas fasciata</i>      | BIRD | passerine |      | 0      |
| 177  | Bank swallow              | <i>Riparia riparia</i>           | BIRD | passerine | G5   | 200412 |
| 405  | Bare-throated tiger-heron | <i>Tigrisoma mexicanum</i>       | BIRD | wading    |      | 0      |
| 582  | Barn Swallow              | <i>Hirundo rustica</i>           | BIRD | passerine | G5   | 200412 |
| 682  | Barred antshrike          | <i>Thamnophilus doliatus</i>     | BIRD | passerine |      | 0      |
| 222  | Barred owl                | <i>Strix varia</i>               | BIRD | raptor    | G5   | 200412 |
| 25   | Barrow's goldeneye        | <i>Bucephala islandica</i>       | BIRD | waterfowl | G5   | 200412 |
| 165  | Bar-tailed godwit         | <i>Limosa lapponica</i>          | BIRD | shorebird | G5   | 200412 |
| 370  | Bat falcon                | <i>Falco rufigularis</i>         | BIRD | raptor    |      | 0      |
| 216  | Belted kingfisher         | <i>Ceryle alcyon</i>             | BIRD | passerine | G5   | 200412 |
| 752  | Bewick's wren             | <i>Thryomanes bewickii</i>       | BIRD | passerine | G5   | 200412 |
| 347  | Bicolored hawk            | <i>Accipiter bicolor</i>         | BIRD | raptor    |      | 0      |
| 1000 | Birds                     |                                  | BIRD | bird      |      | 0      |
| 463  | Bittern                   | <i>Botarus stellaris</i>         | BIRD | wading    |      | 0      |
| 1032 | Bitterns                  |                                  | BIRD | wading    |      | 0      |
| 363  | Black and white owl       | <i>Ciccaba nigrolineata</i>      | BIRD | raptor    |      | 0      |
| 112  | Black guillemot           | <i>Cephus grylle</i>             | BIRD | alcid     | G5   | 200412 |
| 685  | Black hawk-eagle          | <i>Spizaetus tyrannus</i>        | BIRD | raptor    |      | 0      |
| 471  | Black kite                | <i>Milvus migrans</i>            | BIRD | raptor    |      | 0      |
| 249  | Black noddy               | <i>Anous minutus</i>             | BIRD | gull_tern | G5   | 200412 |
| 68   | Black oystercatcher       | <i>Haematopus bachmani</i>       | BIRD | shorebird | G5   | 200412 |
| 150  | Black rail                | <i>Laterallus jamaicensis</i>    | BIRD | wading    | G4   | 200412 |
| 197  | Black scoter              | <i>Melanitta nigra</i>           | BIRD | waterfowl | G5   | 200412 |
| 133  | Black skimmer             | <i>Rynchops niger</i>            | BIRD | gull_tern | G5   | 200412 |
| 468  | Black stork               | <i>Ciconia nigra</i>             | BIRD | wading    |      | 0      |
| 146  | Black storm-petrel        | <i>Oceanodroma melania</i>       | BIRD | pelagic   | G2   | 200412 |
| 288  | Black swift               | <i>Cypseloides niger</i>         | BIRD | passerine | G4   | 200412 |
| 193  | Black tern                | <i>Chlidonias niger</i>          | BIRD | gull_tern | G4   | 200412 |
| 74   | Black turnstone           | <i>Arenaria melanocephala</i>    | BIRD | shorebird | G5   | 200412 |
| 365  | Black vulture             | <i>Coragyps atratus</i>          | BIRD | raptor    | G5   | 200412 |
| 590  | Black-and-white warbler   | <i>Mniotilta varia</i>           | BIRD | passerine | G5   | 200412 |

|     |                               |                            |      |           |    |        |
|-----|-------------------------------|----------------------------|------|-----------|----|--------|
| 71  | Black-bellied plover          | Pluvialis squatarola       | BIRD | shorebird | G5 | 200412 |
| 266 | Black-bellied whistling-duck  | Dendrocygna autumnalis     | BIRD | waterfowl | G5 | 200412 |
| 753 | Black-capped chickadee        | Poecile atricapillus       | BIRD | passerine |    | 0      |
| 603 | Black-capped petrel           | Pterodroma hasitata        | BIRD | pelagic   | G1 | 200412 |
| 351 | Black-collared hawk           | Busarellus nigricollis     | BIRD | raptor    |    | 0      |
| 90  | Black-crowned night-heron     | Nycticorax nycticorax      | BIRD | wading    | G5 | 200412 |
| 679 | Black-faced antthrush         | Formicarius analis         | BIRD | passerine |    | 0      |
| 255 | Black-footed albatross        | Phoebastria nigripes       | BIRD | pelagic   | G5 | 200412 |
| 754 | Black-headed grosbeak         | Pheucticus melanocephalus  | BIRD | passerine | G5 | 200412 |
| 291 | Black-headed gull             | Larus ridibundus           | BIRD | gull_tern | G5 | 200412 |
| 429 | Black-headed trogon           | Trogon melanocephalus      | BIRD | passerine |    | 0      |
| 100 | Black-legged kittiwake        | Rissa tridactyla           | BIRD | pelagic   | G5 | 200412 |
| 726 | Black-naped tern              | Sterna sumatrana           | BIRD | gull_tern |    | 0      |
| 142 | Black-necked stilt            | Himantopus mexicanus       | BIRD | shorebird | G5 | 200412 |
| 508 | Black-tailed godwit           | Limosa limosa              | BIRD | shorebird |    | 0      |
| 755 | Black-throated gray warbler   | Dendroica nigrescens       | BIRD | passerine | G5 | 200412 |
| 699 | Black-throated shrike-tanager | Lanio aurantius            | BIRD | passerine |    | 0      |
| 646 | Black-vented shearwater       | Puffinus opisthomelas      | BIRD | pelagic   | G2 | 200412 |
| 484 | Black-winged stilt            | Himantopus himantopus      | BIRD | wading    |    | 0      |
| 423 | Blue ground-dove              | Claravis pretiosa          | BIRD | passerine |    | 0      |
| 417 | Blue grouse                   | Dendrogapus obscurus       | BIRD | landfowl  |    | 0      |
| 344 | Blue-footed booby             | Sula nebouxii              | BIRD | pelagic   |    | 0      |
| 833 | Blue-gray gnatcatcher         | Polioptila caerulea        | BIRD | passerine | G5 | 200507 |
| 263 | Blue-gray noddy               | Procelsterna cerulea       | BIRD | gull_tern | G4 | 200412 |
| 820 | Blue-headed vireo             | Vireo solitarius           | BIRD | passerine |    | 0      |
| 190 | Blue-winged teal              | Anas discors               | BIRD | waterfowl | G5 | 200412 |
| 834 | Blue-winged warbler           | Vermivora pinus            | BIRD | passerine | G5 | 200507 |
| 400 | Boat-billed heron             | Cochlearius cochlearius    | BIRD | wading    |    | 0      |
| 835 | Bobolink                      | Dolichonyx oryzivorus      | BIRD | passerine | G5 | 200507 |
| 42  | Bonaparte's gull              | Larus philadelphia         | BIRD | gull_tern | G5 | 200412 |
| 256 | Bonin petrel                  | Pterodroma hypoleuca       | BIRD | pelagic   |    | 0      |
| 346 | Boobies                       | Sula spp.                  | BIRD | pelagic   |    | 0      |
| 9   | Brandt's cormorant            | Phalacrocorax penicillatus | BIRD | diving    | G5 | 200412 |
| 13  | Brant                         | Branta bernicla            | BIRD | waterfowl | G5 | 200412 |
| 228 | Brewer's blackbird            | Euphagus cyanocephalus     | BIRD | passerine | G5 | 200412 |
| 283 | Bridled tern                  | Sterna anaethetus          | BIRD | gull_tern | G5 | 200412 |
| 413 | Bristle-thighed curlew        | Numenius tahitiensis       | BIRD | shorebird | G2 | 200412 |
| 505 | Broad-billed sandpiper        | Limicola falcinellus       | BIRD | shorebird |    | 0      |
| 231 | Broad-winged hawk             | Buteo platypterus          | BIRD | raptor    | G5 | 200412 |
| 261 | Brown booby                   | Sula leucogaster           | BIRD | pelagic   | G5 | 200412 |
| 756 | Brown creeper                 | Certhia americana          | BIRD | passerine | G5 | 200412 |

|     |                               |                                     |      |           |    |        |
|-----|-------------------------------|-------------------------------------|------|-----------|----|--------|
| 565 | Brown jay                     | Cyanocorax morio                    | BIRD | passerine | G5 | 200412 |
| 126 | Brown noddy                   | Anous stolidus                      | BIRD | gull_tern | G5 | 200412 |
| 118 | Brown pelican                 | Pelecanus occidentalis              | BIRD | diving    | G4 | 200412 |
| 602 | Brown thrasher                | Toxostoma rufum                     | BIRD | passerine | G5 | 200412 |
| 704 | Brown-crested flycatcher      | Myiarchus tyrannulus                | BIRD | passerine | G5 | 200412 |
| 735 | Brown-headed cowbird          | Molothrus ater                      | BIRD | passerine | G5 | 200412 |
| 526 | Brown-headed gull             | Larus brunnicephalus                | BIRD | gull_tern |    | 0      |
| 672 | Brown-hooded parrot           | Pionopsitta haematotis              | BIRD | passerine |    | 0      |
| 284 | Buff-breasted sandpiper       | Tryngites subruficollis             | BIRD | shorebird | G4 | 200412 |
| 26  | Bufflehead                    | Bucephala albeola                   | BIRD | waterfowl | G5 | 200412 |
| 653 | Buff-throated foliage-gleaner | Automolus ochrolaemus               | BIRD | passerine |    | 0      |
| 757 | Bullock's oriole              | Icterus bullockii                   | BIRD | passerine | G5 | 200412 |
| 248 | Bulwer's petrel               | Bulweria bulwerii                   | BIRD | pelagic   |    | 0      |
| 349 | Burrowing owl                 | Athene cucularia hypugea            | BIRD | raptor    |    | 0      |
| 758 | Bushtit                       | Psaltriparus minimus                | BIRD | passerine | G5 | 200412 |
| 437 | Bushy-crested jay             | Cyanocorax melanocyaneus            | BIRD | passerine |    | 0      |
| 387 | Buteo hawks                   | Buteo spp.                          | BIRD | raptor    |    | 0      |
| 474 | Buzzard                       | Buteo buteo                         | BIRD | raptor    |    | 0      |
| 206 | California black rail         | Laterallus jamaicensis coturniculus | BIRD | wading    |    | 0      |
| 282 | California brown pelican      | Pelecanus occidentalis californicus | BIRD | diving    |    | 0      |
| 204 | California clapper rail       | Rallus longirostris obsoletus       | BIRD | wading    |    | 0      |
| 847 | California condor             | Gymnogyps californianus             | BIRD | raptor    | G1 | 200509 |
| 39  | California gull               | Larus californicus                  | BIRD | gull_tern | G5 | 200412 |
| 85  | California least tern         | Sterna antillarum browni            | BIRD | gull_tern |    | 0      |
| 824 | California quail              | Callipepla californica              | BIRD | landfowl  |    | 0      |
| 12  | Canada goose                  | Branta canadensis                   | BIRD | waterfowl | G5 | 200412 |
| 830 | Canada warbler                | Wilsonia canadensis                 | BIRD | passerine | G5 | 200705 |
| 21  | Canvasback                    | Aythya valisineria                  | BIRD | waterfowl | G5 | 200412 |
| 294 | Cape Sable seaside sparrow    | Ammodramus maritimus mirabilis      | BIRD | passerine |    | 0      |
| 307 | Caribbean coot                | Fulica caribaea                     | BIRD | waterfowl |    | 0      |
| 498 | Caspian plover                | Charadrius asiaticus                | BIRD | shorebird |    | 0      |
| 136 | Caspian tern                  | Sterna caspia                       | BIRD | gull_tern | G5 | 200412 |
| 49  | Cassin's auklet               | Ptychoramphus aleuticus             | BIRD | alcid     | G4 | 200412 |
| 759 | Cassin's vireo                | Vireo cassinii                      | BIRD | passerine | G5 | 200412 |
| 93  | Cattle egret                  | Bubulcus ibis                       | BIRD | wading    | G5 | 200412 |
| 760 | Cedar waxwing                 | Bombycilla cedrorum                 | BIRD | passerine | G5 | 200412 |
| 836 | Cerulean warbler              | Dendroica cerulea                   | BIRD | passerine | G4 | 200507 |
| 761 | Chestnut-backed chickadee     | Poecile rufescens                   | BIRD | passerine | G5 | 200412 |
| 687 | Chestnut-colored woodpecker   | Celeus castaneus                    | BIRD | passerine |    | 0      |
| 675 | Chestnut-headed oropendola    | Psarocolius wagleri                 | BIRD | passerine |    | 0      |
| 762 | Chipping sparrow              | Spizella passerina                  | BIRD | passerine | G5 | 200412 |

|      |                        |                                  |      |           |      |        |
|------|------------------------|----------------------------------|------|-----------|------|--------|
| 258  | Christmas shearwater   | <i>Puffinus nativitatis</i>      | BIRD | pelagic   | G3G4 | 200412 |
| 592  | Cinnamon hummingbird   | <i>Amazilia rutila</i>           | BIRD | passerine |      | 0      |
| 406  | Cinnamon teal          | <i>Anas cyanoptera</i>           | BIRD | waterfowl | G5   | 200412 |
| 125  | Clapper rail           | <i>Rallus longirostris</i>       | BIRD | wading    | G5   | 200412 |
| 239  | Clark's grebe          | <i>Aechmophorus clarkii</i>      | BIRD | diving    | G5   | 200412 |
| 577  | Clay-colored robin     | <i>Turdus grayi</i>              | BIRD | passerine | G5   | 200412 |
| 745  | Cliff swallow          | <i>Petrochelidon pyrrhonota</i>  | BIRD | passerine | G5   | 200412 |
| 436  | Collard aracari        | <i>Pteroglossus torquatus</i>    | BIRD | passerine |      | 0      |
| 378  | Collared forest-falcon | <i>Micrastur semitorquatus</i>   | BIRD | raptor    |      | 0      |
| 727  | Collared petrel        | <i>Pterodroma leucoptera</i>     | BIRD | pelagic   |      | 0      |
| 391  | Collared plover        | <i>Charadrius collaris</i>       | BIRD | shorebird |      | 0      |
| 1007 | Colonial waterbirds    |                                  | BIRD | bird      |      | 0      |
| 385  | Common barn owl        | <i>Tyto alba</i>                 | BIRD | raptor    | G5   | 200412 |
| 516  | Common black hawk      | <i>Buteogallus anthracinus</i>   | BIRD | raptor    | G4G5 | 200412 |
| 103  | Common eider           | <i>Somateria mollissima</i>      | BIRD | waterfowl | G5   | 200412 |
| 24   | Common goldeneye       | <i>Bucephala clangula</i>        | BIRD | waterfowl | G5   | 200412 |
| 837  | Common grackle         | <i>Quiscalus quiscula</i>        | BIRD | passerine | G5   | 200507 |
| 564  | Common ground-dove     | <i>Columbina passerina</i>       | BIRD | passerine | G5   | 200412 |
| 1    | Common loon            | <i>Gavia immer</i>               | BIRD | diving    | G5   | 200412 |
| 32   | Common merganser       | <i>Mergus merganser</i>          | BIRD | waterfowl | G5   | 200412 |
| 192  | Common moorhen         | <i>Gallinula chloropus</i>       | BIRD | waterfowl | G5   | 200412 |
| 46   | Common murre           | <i>Uria aalge</i>                | BIRD | alcid     | G5   | 200412 |
| 635  | Common nighthawk       | <i>Chordeiles minor</i>          | BIRD | passerine | G5   | 200412 |
| 493  | Common pochard         | <i>Aythya ferina</i>             | BIRD | waterfowl | G5   | 200412 |
| 747  | Common raven           | <i>Corvus corax</i>              | BIRD | passerine | G5   | 200412 |
| 515  | Common sandpiper       | <i>Actitis hypoleucos</i>        | BIRD | shorebird |      | 0      |
| 549  | Common shelduck        | <i>Tadorna tadorna</i>           | BIRD | waterfowl |      | 0      |
| 196  | Common snipe           | <i>Gallinago gallinago</i>       | BIRD | shorebird | G5   | 200412 |
| 45   | Common tern            | <i>Sterna hirundo</i>            | BIRD | gull_tern | G5   | 200412 |
| 576  | Common tody-flycatcher | <i>Todirostrum cinereum</i>      | BIRD | passerine |      | 0      |
| 722  | Common yellowthroat    | <i>Geothlypis trichas</i>        | BIRD | passerine | G5   | 200412 |
| 221  | Cooper's hawk          | <i>Accipiter cooperii</i>        | BIRD | raptor    | G5   | 200412 |
| 79   | Cormorant              | <i>Phalacrocorax sp.</i>         | BIRD | diving    |      | 0      |
| 482  | Corncrake              | <i>Crex crex</i>                 | BIRD | wading    |      | 0      |
| 529  | Cory's shearwater      | <i>Calonectris diomedea</i>      | BIRD | pelagic   | G5   | 200412 |
| 371  | Crane hawk             | <i>Geranoospiza caerulescens</i> | BIRD | raptor    |      | 0      |
| 109  | Crested auklet         | <i>Aethia cristatella</i>        | BIRD | alcid     | G5   | 200412 |
| 430  | Crested bobwhite       | <i>Colinus cristatus</i>         | BIRD | landfowl  |      | 0      |
| 381  | Crested caracara       | <i>Caracara plancus</i>          | BIRD | raptor    |      | 0      |
| 668  | Crested eagle          | <i>Morphnus guianensis</i>       | BIRD | raptor    |      | 0      |
| 670  | Crested guan           | <i>Penelope purpurascens</i>     | BIRD | landfowl  |      | 0      |

|      |                                |  |      |           |      |        |
|------|--------------------------------|--|------|-----------|------|--------|
| 303  | Curlew sandpiper               | <i>Calidris ferruginea</i>                 | BIRD | shorebird | G5?  | 200412 |
| 1028 | Curlews                        | <i>Numenius spp.</i>                       | BIRD | shorebird |      | 0      |
| 1013 | Dabbling ducks                 |  | BIRD | waterfowl |      | 0      |
| 763  | Dark-eyed junco                | <i>Junco hyemalis</i>                      | BIRD | passerine | G5   | 200412 |
| 620  | Dark-rumped petrel             | <i>Pterodroma phaeopygia sandwichensis</i> | BIRD | pelagic   |      | 0      |
| 648  | Dickcissel                     | <i>Spiza americana</i>                     | BIRD | passerine | G5   | 200412 |
| 1006 | Diving birds                   |  | BIRD | diving    |      | 0      |
| 1014 | Diving ducks                   |  | BIRD | waterfowl |      | 0      |
| 531  | Dotterel                       | <i>Eudromias morinellus</i>                | BIRD | shorebird |      | 0      |
| 666  | Dot-winged antwren             | <i>Microrhopias quixensis</i>              | BIRD | passerine |      | 0      |
| 8    | Double-crested cormorant       | <i>Phalacrocorax auritus</i>               | BIRD | diving    | G5   | 200412 |
| 390  | Double-striped thick-knee      | <i>Burhinus bistriatus</i>                 | BIRD | shorebird |      | 0      |
| 373  | Double-toothed kite            | <i>Harpagus bidentatus</i>                 | BIRD | raptor    |      | 0      |
| 110  | Dovekie                        | <i>Alle alle</i>                           | BIRD | alcid     | G5   | 200412 |
| 286  | Dowitchers                     | <i>Limnodromus spp.</i>                    | BIRD | shorebird |      | 0      |
| 764  | Downy woodpecker               | <i>Picoides pubescens</i>                  | BIRD | passerine | G5   | 200412 |
| 1021 | Ducks                          |  | BIRD | waterfowl |      | 0      |
| 63   | Dunlin                         | <i>Calidris alpina</i>                     | BIRD | shorebird | G5   | 200412 |
| 655  | Dusky antbird                  | <i>Cercomacra tyrannina</i>                | BIRD | passerine |      | 0      |
| 171  | Dusky Canada goose             | <i>Branta canadensis occidentalis</i>      | BIRD | waterfowl |      | 0      |
| 6    | Eared grebe                    | <i>Podiceps nigricollis</i>                | BIRD | diving    | G5   | 200412 |
| 831  | Eastern kingbird               | <i>Tyrannus tyrannus</i>                   | BIRD | passerine | G5   | 200507 |
| 427  | Eastern meadowlark             | <i>Sturnella magna</i>                     | BIRD | passerine | G5   | 200412 |
| 604  | Eastern screech owl            | <i>Megascops asio</i>                      | BIRD | raptor    |      | 0      |
| 795  | Eastern towhee                 | <i>Pipilo erythrophthalmus</i>             | BIRD | passerine | G5   | 200412 |
| 1015 | Egrets                         |  | BIRD | wading    |      | 0      |
| 1020 | Eiders                         | <i>Somateria spp.</i>                      | BIRD | waterfowl |      | 0      |
| 145  | Elegant tern                   | <i>Sterna elegans</i>                      | BIRD | gull_tern | G2   | 200412 |
| 475  | Eleonora's falcon              | <i>Falco eleonora</i>                      | BIRD | raptor    |      | 0      |
| 308  | Elfin woods warbler            | <i>Dendroica angelae</i>                   | BIRD | passerine |      | 0      |
| 157  | Emperor goose                  | <i>Chen canagica</i>                       | BIRD | waterfowl | G3G4 | 200412 |
| 123  | Endangered diving bird         |  | BIRD | diving    |      | 0      |
| 311  | Endangered passerine bird      |  | BIRD | passerine |      | 0      |
| 613  | Endangered passerine-like bird |  | BIRD | passerine |      | 0      |
| 312  | Endangered pelagic bird        |  | BIRD | pelagic   |      | 0      |
| 314  | Endangered raptor              |  | BIRD | raptor    |      | 0      |
| 614  | Endangered seabird             |  | BIRD | bird      |      | 0      |
| 316  | Endangered shorebird           |  | BIRD | shorebird |      | 0      |
| 610  | Endangered tern                |  | BIRD | gull_tern |      | 0      |
| 320  | Endangered wading bird         |  | BIRD | wading    |      | 0      |
| 414  | Eskimo curlew                  | <i>Numenius borealis</i>                   | BIRD | shorebird | GH   | 200412 |

|      |                                     |                                |      |           |      |        |
|------|-------------------------------------|--------------------------------|------|-----------|------|--------|
| 528  | Eurasian common sandpiper           | Tringa hypoleucos              | BIRD | shorebird |      | 0      |
| 483  | Eurasian coot                       | Fulica atra                    | BIRD | waterfowl |      | 0      |
| 530  | Eurasian curlew                     | Numenius arquata               | BIRD | shorebird |      | 0      |
| 476  | Eurasian kestrel                    | Falco tinnunculus              | BIRD | raptor    |      | 0      |
| 542  | Eurasian oystercatcher              | Haematopus ostralegus          | BIRD | shorebird |      | 0      |
| 490  | Eurasian wigeon                     | Anas penelope                  | BIRD | waterfowl | G5   | 200412 |
| 562  | Eurasian woodcock                   | Scolopax rusticola             | BIRD | shorebird |      | 0      |
| 765  | European starling                   | Sturnus vulgaris               | BIRD | passerine |      | 0      |
| 766  | Evening grosbeak                    | Coccothraustes vespertinus     | BIRD | passerine | G5   | 200412 |
| 388  | Falcons                             | Falco spp.                     | BIRD | raptor    |      | 0      |
| 495  | Ferruginous duck                    | Aythya nyroca                  | BIRD | waterfowl |      | 0      |
| 372  | Ferruginous pygmy-owl               | Glaucidium brasilianum         | BIRD | raptor    | G5   | 200412 |
| 838  | Fish crow                           | Corvus ossifragus              | BIRD | passerine | G5   | 200507 |
| 823  | Flammulated owl                     | Otus flammeolus                | BIRD | raptor    |      | 0      |
| 203  | Flesh-footed shearwater             | Puffinus carneipes             | BIRD | pelagic   | G3G4 | 200412 |
| 459  | Florida burrowing owl               | Speotyto cunicularia floridana | BIRD | raptor    |      | 0      |
| 309  | Florida sandhill crane              | Grus canadensis pratensis      | BIRD | wading    |      | 0      |
| 295  | Florida scrub-jay                   | Aphelocoma coerulescens        | BIRD | passerine | G3   | 200412 |
| 296  | Florida snail kite                  | Rostrhamus sociabilis plumbeus | BIRD | raptor    |      | 0      |
| 102  | Fork-tailed storm-petrel            | Oceanodroma furcata            | BIRD | pelagic   | G5   | 200412 |
| 138  | Forster's tern                      | Sterna forsteri                | BIRD | gull_tern | G5   | 200412 |
| 767  | Fox sparrow                         | Passerella iliaca              | BIRD | passerine | G5   | 200412 |
| 241  | Franklin's gull                     | Larus pipixcan                 | BIRD | gull_tern | G4G5 | 200412 |
| 1030 | Frigatebirds                        | Fregata spp.                   | BIRD | pelagic   |      | 0      |
| 267  | Fulvous whistling-duck              | Dendrocygna bicolor            | BIRD | waterfowl | G5   | 200412 |
| 162  | Gadwall                             | Anas strepera                  | BIRD | waterfowl | G5   | 200412 |
| 491  | Garganey                            | Anas querquedula               | BIRD | waterfowl | G5   | 200412 |
| 273  | Geese                               |                                | BIRD | waterfowl |      | 0      |
| 82   | Glaucous gull                       | Larus hyperboreus              | BIRD | gull_tern | G5   | 200412 |
| 36   | Glaucous-winged gull                | Larus glaucescens              | BIRD | gull_tern | G5   | 200412 |
| 724  | Glaucous-winged/herring gull hybrid | Larus spp.                     | BIRD | gull_tern |      | 0      |
| 91   | Glossy ibis                         | Plegadis falcinellus           | BIRD | wading    | G5   | 200412 |
| 711  | Golded-hooded tanager               | Tangara larvata                | BIRD | passerine |      | 0      |
| 174  | Golden eagle                        | Aquila chrysaetos              | BIRD | raptor    | G5   | 200412 |
| 769  | Golden-crowned kinglet              | Regulus satrapa                | BIRD | passerine | G5   | 200412 |
| 768  | Golden-crowned sparrow              | Zonotrichia atricapilla        | BIRD | passerine | G5   | 200412 |
| 300  | Goldeneye                           | Bucephala spp.                 | BIRD | waterfowl |      | 0      |
| 570  | Golden-fronted woodpecker           | Melanerpes aurifrons           | BIRD | passerine | G5   | 200412 |
| 839  | Golden-winged warbler               | Vermivora chrysoptera          | BIRD | passerine | G4   | 200507 |
| 598  | Grasshopper sparrow                 | Ammodramus savannarum          | BIRD | passerine | G5   | 200412 |
| 716  | Gray catbird                        | Dumetella carolinensis         | BIRD | passerine | G5   | 200412 |

|      |                             |                          |      |           |      |        |
|------|-----------------------------|--------------------------|------|-----------|------|--------|
| 356  | Gray hawk                   | Buteo nitidus            | BIRD | raptor    |      | 0      |
| 489  | Gray heron                  | Ardea cinerea            | BIRD | wading    |      | 0      |
| 262  | Gray-backed tern            | Sterna lunata            | BIRD | pelagic   | G3G4 | 200412 |
| 442  | Gray-crowned rosy-finch     | Leucosticte tephrocotis  | BIRD | passerine | G5   | 200412 |
| 377  | Gray-headed kite            | Leptodon cayanensis      | BIRD | raptor    |      | 0      |
| 692  | Gray-headed tanager         | Eucometis penicillata    | BIRD | passerine |      | 0      |
| 398  | Gray-necked wood-rail       | Aramides cajanea         | BIRD | wading    |      | 0      |
| 828  | Gray-tailed tattler         | Heteroscelus brevipes    | BIRD | shorebird | G4G5 | 200507 |
| 92   | Great black-backed gull     | Larus marinus            | BIRD | gull_tern | G5   | 200412 |
| 359  | Great black-hawk            | Buteogallus urubitinga   | BIRD | raptor    |      | 0      |
| 518  | Great black-headed gull     | Larus ichthyaetus        | BIRD | gull_tern |      | 0      |
| 54   | Great blue heron            | Ardea herodias           | BIRD | wading    | G5   | 200412 |
| 275  | Great cormorant             | Phalacrocorax carbo      | BIRD | diving    | G5   | 200412 |
| 628  | Great crested flycatcher    | Myiarchus crinitus       | BIRD | passerine | G5   | 200412 |
| 553  | Great crested tern          | Sterna bergii            | BIRD | gull_tern |      | 0      |
| 657  | Great curassow              | Crax rubra               | BIRD | landfowl  |      | 0      |
| 88   | Great egret                 | Ardea alba               | BIRD | wading    | G5   | 200412 |
| 251  | Great frigatebird           | Fregata minor            | BIRD | pelagic   | G4   | 200412 |
| 770  | Great gray owl              | Strix nebulosa           | BIRD | raptor    | G5   | 200412 |
| 631  | Great green macaw           | Ara ambigua              | BIRD | passerine |      | 0      |
| 350  | Great horned owl            | Bubo virginianus         | BIRD | raptor    | G5   | 200412 |
| 572  | Great kiskadee              | Pitangus sulphuratus     | BIRD | passerine | G5   | 200412 |
| 533  | Great knot                  | Calidris tenuirostris    | BIRD | shorebird | G4G5 | 200412 |
| 507  | Great snipe                 | Gallinago media          | BIRD | shorebird |      | 0      |
| 683  | Great tinamou               | Tinamus major            | BIRD | landfowl  |      | 0      |
| 465  | Great white egret           | Egretta alba             | BIRD | wading    |      | 0      |
| 117  | Great white heron           | Ardea occidentalis       | BIRD | wading    |      | 0      |
| 487  | Great-crested grebe         | Podiceps cristatus       | BIRD | diving    |      | 0      |
| 367  | Greater flamingo            | Phoenicopterus ruber     | BIRD | wading    | G3   | 200412 |
| 532  | Greater golden-plover       | Pluvialis apricaria      | BIRD | shorebird |      | 0      |
| 534  | Greater sand plover         | Charadrius leschenaultii | BIRD | shorebird |      | 0      |
| 22   | Greater scaup               | Aythya marila            | BIRD | waterfowl | G5   | 200412 |
| 14   | Greater white-fronted goose | Anser albifrons          | BIRD | waterfowl | G5   | 200412 |
| 58   | Greater yellowlegs          | Tringa melanoleuca       | BIRD | shorebird | G5   | 200412 |
| 611  | Great-tailed grackle        | Quiscalus mexicanus      | BIRD | passerine | G5   | 200412 |
| 1026 | Grebes                      |                          | BIRD | diving    |      | 0      |
| 97   | Green heron                 | Butorides virescens      | BIRD | wading    | G5   | 200412 |
| 656  | Green honeycreeper          | Chlorophanes spiza       | BIRD | passerine |      | 0      |
| 324  | Green kingfisher            | Chloroceryle americana   | BIRD | passerine | G5   | 200412 |
| 331  | Green parakeet              | Aratinga holochlora      | BIRD | passerine |      | 0      |
| 512  | Green sandpiper             | Tringa ochropus          | BIRD | shorebird | G5   | 200412 |



|      |                             |                                  |      |           |    |        |
|------|-----------------------------|----------------------------------|------|-----------|----|--------|
| 714  | Green shrike-vireo          | Vireolanius pulchellus           | BIRD | passerine |    | 0      |
| 634  | Green-breasted mango        | Anthracothoras prevostii         | BIRD | passerine |    | 0      |
| 511  | Greenshank                  | Tringa nebularia                 | BIRD | shorebird | G5 | 200412 |
| 698  | Green-throated mountain-gem | Lampornis viridipallens          | BIRD | passerine |    | 0      |
| 18   | Green-winged teal           | Anas crecca                      | BIRD | waterfowl | G5 | 200412 |
| 536  | Grey phalarope              | Phalaropus fulicarius            | BIRD | shorebird |    | 0      |
| 661  | Grey-breasted wood-wren     | Henicorhina leucophrys           | BIRD | passerine |    | 0      |
| 701  | Grey-fronted dove           | Leptotila rufaxilla              | BIRD | passerine |    | 0      |
| 537  | Grey-headed gull            | Larus cirrocephalus              | BIRD | gull_tern |    | 0      |
| 709  | Grey-headed piprites        | Piprites griseiceps              | BIRD | passerine |    | 0      |
| 538  | Greylag goose               | Anser anser                      | BIRD | waterfowl |    | 0      |
| 569  | Groove-billed ani           | Crotophaga sulcirostris          | BIRD | passerine | G5 | 200412 |
| 721  | Guianan slaty antshrike     | Thamnophilus punctatus           | BIRD | passerine |    | 0      |
| 134  | Gull-billed tern            | Sterna nilotica                  | BIRD | gull_tern | G5 | 200412 |
| 1001 | Gulls                       |                                  | BIRD | gull_tern |    | 0      |
| 113  | Gyrffalcon                  | Falco rusticolus                 | BIRD | raptor    | G5 | 200412 |
| 771  | Hairy woodpecker            | Picoides villosus                | BIRD | passerine | G5 | 200412 |
| 772  | Hammond's flycatcher        | Empidonax hammondii              | BIRD | passerine | G5 | 200412 |
| 28   | Harlequin duck              | Histrionicus histrionicus        | BIRD | waterfowl | G4 | 200412 |
| 630  | Harpy eagle                 | Harpia harpyja                   | BIRD | raptor    |    | 0      |
| 380  | Harris' hawk                | Parabuteo unicinctus             | BIRD | raptor    | G5 | 200412 |
| 245  | Hawaiian common moorhen     | Gallinula chloropus sandvicensis | BIRD | waterfowl |    | 0      |
| 243  | Hawaiian coot               | Fulica alai                      | BIRD | waterfowl | G2 | 200412 |
| 244  | Hawaiian duck               | Anas wyvilliana                  | BIRD | waterfowl | G1 | 200412 |
| 619  | Hawaiian goose              | Branta sandvicensis              | BIRD | waterfowl | G1 | 200412 |
| 242  | Hawaiian stilt              | Himantopus mexicanus knudseni    | BIRD | wading    |    | 0      |
| 43   | Heermann's gull             | Larus heermanni                  | BIRD | gull_tern | G4 | 200412 |
| 736  | Henslow's sparrow           | Ammodramus henslowii             | BIRD | passerine | G4 | 200412 |
| 728  | Herald petrel               | Pterodroma arminjoniana          | BIRD | pelagic   | G4 | 200412 |
| 773  | Hermit thrush               | Catharus guttatus                | BIRD | passerine | G5 | 200412 |
| 1016 | Hérons                      |                                  | BIRD | wading    |    | 0      |
| 38   | Herring gull                | Larus argentatus                 | BIRD | gull_tern | G5 | 200412 |
| 627  | Highland guan               | Penelopina nigra                 | BIRD | landfowl  |    | 0      |
| 470  | Honey buzzard               | Pernis apivorus                  | BIRD | raptor    |    | 0      |
| 198  | Hooded merganser            | Lophodytes cucullatus            | BIRD | waterfowl | G5 | 200412 |
| 840  | Hooded warbler              | Wilsonia citrina                 | BIRD | passerine | G5 | 200507 |
| 362  | Hook-billed kite            | Chondrohierax uncinatus          | BIRD | raptor    | G4 | 200412 |
| 5    | Horned grebe                | Podiceps auritus                 | BIRD | diving    | G5 | 200412 |
| 595  | Horned lark                 | Eremophila alpestris             | BIRD | passerine | G5 | 200412 |
| 81   | Horned puffin               | Fratercula corniculata           | BIRD | alcid     | G5 | 200412 |
| 821  | House finch                 | Carpodacus mexicanus             | BIRD | passerine |    | 0      |

|     |                          |                                |      |           |      |        |
|-----|--------------------------|--------------------------------|------|-----------|------|--------|
| 822 | House sparrow            | Passer domesticus              | BIRD | passerine |      | 0      |
| 774 | House wren               | Troglodytes aedon              | BIRD | passerine | G5   | 200412 |
| 289 | Hudsonian godwit         | Limosa haemastica              | BIRD | shorebird | G4   | 200412 |
| 775 | Hutton's vireo           | Vireo huttoni                  | BIRD | passerine | G5   | 200412 |
| 580 | Inca dove                | Columbina inca                 | BIRD | passerine | G5   | 200412 |
| 844 | Intermediate egret       | Egretta intermedia             | BIRD | wading    |      | 0      |
| 597 | Ipswich sparrow          | Passerculus sandwichensis prin | BIRD | passerine |      | 0      |
| 410 | Ivory gull               | Pagophila eburnea              | BIRD | gull_tern | G5   | 200412 |
| 401 | Jabiru                   | Jabiru mycteria                | BIRD | wading    |      | 0      |
| 539 | Jack snipe               | Lymnocyptes minimus            | BIRD | shorebird |      | 0      |
| 326 | Jaegers                  | Stercorarius spp.              | BIRD | pelagic   |      | 0      |
| 691 | Keel-billed motmot       | Electron carinatum             | BIRD | passerine |      | 0      |
| 676 | Keel-billed toucan       | Ramphastos sulfuratus          | BIRD | passerine |      | 0      |
| 706 | Kentucky warbler         | Oporornis formosus             | BIRD | passerine | G5   | 200412 |
| 457 | Key West quail-dove      | Geotrygon chrysia              | BIRD | passerine |      | 0      |
| 70  | Killdeer                 | Charadrius vociferus           | BIRD | shorebird | G5   | 200412 |
| 158 | King eider               | Somateria spectabilis          | BIRD | waterfowl | G5   | 200412 |
| 184 | King rail                | Rallus elegans                 | BIRD | wading    | G4G5 | 200412 |
| 383 | King vulture             | Sarcoramphus papa              | BIRD | raptor    |      | 0      |
| 83  | Kittiwake                | Rissa sp.                      | BIRD | pelagic   |      | 0      |
| 108 | Kittlitz's murrelet      | Brachyramphus brevirostris     | BIRD | alcid     | G3G4 | 200412 |
| 540 | Kittlitz's sand plover   | Charadrius pecuarius           | BIRD | shorebird |      | 0      |
| 441 | Ladder-backed woodpecker | Picoides scalaris              | BIRD | passerine | G5   | 200412 |
| 816 | Lapland longspur         | Calcarius lapponicus           | BIRD | passerine |      | 0      |
| 503 | Lapwing                  | Vanellus vanellus              | BIRD | shorebird |      | 0      |
| 374 | Laughing falcon          | Herpetotheres cachinnans       | BIRD | raptor    |      | 0      |
| 98  | Laughing gull            | Larus atricilla                | BIRD | gull_tern | G5   | 200412 |
| 254 | Laysan albatross         | Phoebastria immutabilis        | BIRD | pelagic   | G3   | 200412 |
| 246 | Laysan duck              | Anas laysanensis               | BIRD | waterfowl | G1   | 200412 |
| 624 | Laysan finch             | Telespiza cantans              | BIRD | passerine | G1   | 200412 |
| 96  | Leach's storm-petrel     | Oceanodroma leucorhoa          | BIRD | pelagic   | G5   | 200412 |
| 111 | Least auklet             | Aethia pusilla                 | BIRD | alcid     | G5   | 200412 |
| 178 | Least bittern            | Ixobrychus exilis              | BIRD | wading    | G5   | 200412 |
| 640 | Least flycatcher         | Empidonax minimus              | BIRD | passerine | G5   | 200412 |
| 269 | Least grebe              | Tachybaptus dominicus          | BIRD | diving    | G5   | 200412 |
| 62  | Least sandpiper          | Calidris minutilla             | BIRD | shorebird | G5   | 200412 |
| 645 | Least storm-petrel       | Oceanodroma microsoma          | BIRD | pelagic   | G2G3 | 200412 |
| 86  | Least tern               | Sterna antillarum              | BIRD | gull_tern | G4   | 200412 |
| 393 | Lesser black-backed gull | Larus fuscus                   | BIRD | gull_tern | G5   | 200412 |
| 541 | Lesser crested tern      | Sterna bengalensis             | BIRD | gull_tern |      | 0      |
| 729 | Lesser frigatebird       | Fregata ariel                  | BIRD | pelagic   |      | 0      |

|     |                              |                               |      |           |      |        |
|-----|------------------------------|-------------------------------|------|-----------|------|--------|
| 719 | Lesser greenlet              | Hylophilus decurtatus         | BIRD | passerine |      | 0      |
| 431 | Lesser nighthawk             | Chordeiles acutipennis        | BIRD | passerine | G5   | 200412 |
| 829 | Lesser sand-plover           | Charadrius mongolus           | BIRD | shorebird | G4G5 | 200507 |
| 23  | Lesser scaup                 | Aythya affinis                | BIRD | waterfowl | G5   | 200412 |
| 361 | Lesser yellow-headed vulture | Cathartes burrovianus         | BIRD | raptor    |      | 0      |
| 59  | Lesser yellowlegs            | Tringa flavipes               | BIRD | shorebird | G5   | 200412 |
| 205 | Light-footed clapper rail    | Rallus longirostris levipes   | BIRD | wading    |      | 0      |
| 306 | Limpkin                      | Aramus guarauna               | BIRD | wading    | G5   | 200412 |
| 819 | Lincoln's sparrow            | Melospiza lincolni            | BIRD | passerine |      | 0      |
| 426 | Lineated woodpecker          | Dryocopus lineatus            | BIRD | passerine |      | 0      |
| 464 | Little bittern               | Ixobrychus minutus            | BIRD | wading    |      | 0      |
| 87  | Little blue heron            | Egretta caerulea              | BIRD | wading    | G5   | 200412 |
| 479 | Little crane                 | Porzana parva                 | BIRD | wading    |      | 0      |
| 466 | Little egret                 | Egretta garzetta              | BIRD | wading    |      | 0      |
| 486 | Little grebe                 | Tachybaptus ruficollis        | BIRD | diving    |      | 0      |
| 520 | Little gull                  | Larus minutus                 | BIRD | gull_tern | G5   | 200412 |
| 708 | Little hermit                | Phaethornis longuemareus      | BIRD | passerine |      | 0      |
| 499 | Little ringed plover         | Charadrius dubius             | BIRD | shorebird |      | 0      |
| 504 | Little stint                 | Calidris minuta               | BIRD | shorebird |      | 0      |
| 521 | Little tern                  | Sterna albifrons              | BIRD | gull_tern |      | 0      |
| 209 | Long-billed curlew           | Numenius americanus           | BIRD | shorebird | G5   | 200412 |
| 65  | Long-billed dowitcher        | Limnodromus scolopaceus       | BIRD | shorebird | G5   | 200412 |
| 235 | Long-billed marsh-wren       | Cistothorus palustris         | BIRD | passerine |      | 0      |
| 600 | Long-eared owl               | Asio otus                     | BIRD | raptor    | G5   | 200412 |
| 27  | Long-tailed duck             | Clangula hyemalis             | BIRD | waterfowl | G5   | 200412 |
| 671 | Long-tailed hermit           | Phaethornis superciliosus     | BIRD | passerine |      | 0      |
| 343 | Long-tailed jaeger           | Stercorarius longicaudus      | BIRD | pelagic   | G5   | 200412 |
| 462 | Loons                        | Gavia spp.                    | BIRD | diving    |      | 0      |
| 848 | Louisiana seaside sparrow    | Ammodramus maritimus fisheri  | BIRD | passerine |      | 0      |
| 395 | Louisiana waterthrush        | Seiurus motacilla             | BIRD | passerine | G5   | 200412 |
| 688 | Lovely cotinga               | Cotinga amabilis              | BIRD | passerine |      | 0      |
| 776 | MacGillivray's warbler       | Oporornis tolmiei             | BIRD | passerine | G5   | 200412 |
| 119 | Magnificent frigatebird      | Fregata magnificens           | BIRD | pelagic   | G5   | 200412 |
| 638 | Magnolia warbler             | Dendroica magnolia            | BIRD | passerine | G5   | 200412 |
| 16  | Mallard                      | Anas platyrhynchos            | BIRD | waterfowl | G5   | 200412 |
| 358 | Mangrove black-hawk          | Buteogallus subtilis          | BIRD | raptor    |      | 0      |
| 304 | Mangrove clapper rail        | Rallus longirostris insularum | BIRD | wading    |      | 0      |
| 420 | Mangrove cuckoo              | Coccyzus minor                | BIRD | passerine | G5   | 200412 |
| 336 | Mangrove swallow             | Tachycineta albilinea         | BIRD | passerine |      | 0      |
| 337 | Mangrove vireo               | Vireo pallens                 | BIRD | passerine |      | 0      |
| 253 | Manx shearwater              | Puffinus puffinus             | BIRD | pelagic   | G5   | 200412 |

|      |                               |                                      |      |           |      |        |
|------|-------------------------------|--------------------------------------|------|-----------|------|--------|
| 210  | Marbled godwit                | <i>Limosa fedoa</i>                  | BIRD | shorebird | G5   | 200412 |
| 48   | Marbled murrelet              | <i>Brachyramphus marmoratus</i>      | BIRD | alcid     | G3G4 | 200412 |
| 826  | Mariana common moorhen        | <i>Gallinula chloropus guami</i>     | BIRD | waterfowl |      | 0      |
| 340  | Markham's storm-petrel        | <i>Oceanodroma markhami</i>          | BIRD | pelagic   |      | 0      |
| 496  | Marsh harrier                 | <i>Circus aeruginosus</i>            | BIRD | raptor    |      | 0      |
| 513  | Marsh sandpiper               | <i>Tringa stagnatilis</i>            | BIRD | shorebird |      | 0      |
| 225  | Marsh wren                    | <i>Cistothorus palustris</i>         | BIRD | passerine | G5   | 200412 |
| 128  | Masked (blue-faced) booby     | <i>Sula dactylatra</i>               | BIRD | pelagic   | G5   | 200412 |
| 268  | Masked duck                   | <i>Nomonyx dominicus</i>             | BIRD | waterfowl | G5   | 200412 |
| 411  | McKay's bunting               | <i>Plectrophenax hyperboreus</i>     | BIRD | passerine | G3   | 200412 |
| 652  | Mealy parrot                  | <i>Amazona farinosa</i>              | BIRD | passerine |      | 0      |
| 519  | Mediterranean gull            | <i>Larus melanocephalus</i>          | BIRD | gull_tern |      | 0      |
| 578  | Melodius blackbird            | <i>Dives dives</i>                   | BIRD | passerine |      | 0      |
| 301  | Mergansers                    |                                      | BIRD | waterfowl |      | 0      |
| 220  | Merlin                        | <i>Falco columbarius</i>             | BIRD | raptor    | G5   | 200412 |
| 41   | Mew gull                      | <i>Larus canus</i>                   | BIRD | gull_tern | G5   | 200412 |
| 827  | Micronesian starling          | <i>Aplonis opaca</i>                 | BIRD | passerine |      | 0      |
| 1011 | Migratory songbirds           |                                      | BIRD | passerine |      | 0      |
| 375  | Mississippi kite              | <i>Ictinia mississippiensis</i>      | BIRD | raptor    | G5   | 200412 |
| 298  | Mississippi sandhill crane    | <i>Grus canadensis pulla</i>         | BIRD | wading    |      | 0      |
| 642  | Montezuma oropendola          | <i>Psarocolius montezuma</i>         | BIRD | passerine |      | 0      |
| 211  | Mottled duck                  | <i>Anas fulvigula</i>                | BIRD | waterfowl | G4   | 200412 |
| 364  | Mottled owl                   | <i>Ciccaba virgata</i>               | BIRD | raptor    |      | 0      |
| 452  | Mourning dove                 | <i>Zenaida macroura</i>              | BIRD | passerine | G5   | 200412 |
| 104  | Murre                         | <i>Uria sp.</i>                      | BIRD | alcid     |      | 0      |
| 1025 | Murrelets                     |                                      | BIRD | alcid     |      | 0      |
| 407  | Muscovy duck                  | <i>Cairina moschata</i>              | BIRD | waterfowl |      | 0      |
| 217  | Mute swan                     | <i>Cygnus olor</i>                   | BIRD | waterfowl |      | 0      |
| 734  | Nelson's sharp-tailed sparrow | <i>Ammodramus nelsoni</i>            | BIRD | passerine | G5   | 200412 |
| 325  | Neotropic cormorant           | <i>Phalacrocorax brasilianus</i>     | BIRD | diving    | G5   | 200412 |
| 1012 | Neotropical migrants          |                                      | BIRD | passerine |      | 0      |
| 621  | Newell's shearwater           | <i>Puffinus auricularis newelli</i>  | BIRD | pelagic   |      | 0      |
| 846  | Nightingale reed-warbler      | <i>Acrocephalus luscini</i>          | BIRD | passerine |      | 0      |
| 665  | Nightingale wren              | <i>Microcerculus philomela</i>       | BIRD | passerine |      | 0      |
| 622  | Nihoa finch                   | <i>Telespiza ultima</i>              | BIRD | passerine | G1   | 200412 |
| 623  | Nihoa millerbird              | <i>Acrocephalus familiaris kingi</i> | BIRD | passerine |      | 0      |
| 1031 | Noddies                       | <i>Anous spp.</i>                    | BIRD | pelagic   |      | 0      |
| 689  | Northern barred-woodcreeper   | <i>Dendrocolaptes sanctithomae</i>   | BIRD | passerine |      | 0      |
| 637  | Northern beardless-tyrannulet | <i>Camptostoma imberbe</i>           | BIRD | passerine |      | 0      |
| 636  | Northern bobwhite             | <i>Colinus virginianus</i>           | BIRD | landfowl  | G5   | 200412 |
| 832  | Northern cardinal             | <i>Cardinalis cardinalis</i>         | BIRD | passerine | G5   | 200507 |

|      |                               |                                   |      |           |    |        |
|------|-------------------------------|-----------------------------------|------|-----------|----|--------|
| 777  | Northern flicker              | <i>Colaptes auratus</i>           | BIRD | passerine | G5 | 200412 |
| 129  | Northern fulmar               | <i>Fulmarus glacialis</i>         | BIRD | pelagic   | G5 | 200412 |
| 167  | Northern gannet               | <i>Morus bassanus</i>             | BIRD | pelagic   | G5 | 200412 |
| 240  | Northern goshawk              | <i>Accipiter gentilis</i>         | BIRD | raptor    | G5 | 200412 |
| 181  | Northern harrier              | <i>Circus cyaneus</i>             | BIRD | raptor    | G5 | 200412 |
| 392  | Northern jacana               | <i>Jacana spinosa</i>             | BIRD | wading    |    | 0      |
| 17   | Northern pintail              | <i>Anas acuta</i>                 | BIRD | waterfowl | G5 | 200412 |
| 424  | Northern potoo                | <i>Nyctibius jamaicensis</i>      | BIRD | passerine |    | 0      |
| 778  | Northern pygmy-owl            | <i>Glaucidium gnoma</i>           | BIRD | raptor    | G5 | 200412 |
| 779  | Northern rough-winged swallow | <i>Stelgidopteryx serripennis</i> | BIRD | passerine | G5 | 200412 |
| 796  | Northern saw-whet owl         | <i>Aegolius acadicus</i>          | BIRD | raptor    | G5 | 200412 |
| 20   | Northern shoveler             | <i>Anas clypeata</i>              | BIRD | waterfowl | G5 | 200412 |
| 780  | Northern shrike               | <i>Lanius excubitor</i>           | BIRD | passerine | G5 | 200412 |
| 175  | Northern spotted owl          | <i>Strix occidentalis caurina</i> | BIRD | raptor    |    | 0      |
| 458  | Northern waterthrush          | <i>Seiurus noveboracensis</i>     | BIRD | passerine | G5 | 200412 |
| 781  | Northwestern crow             | <i>Corvus caurinus</i>            | BIRD | passerine | G5 | 200412 |
| 667  | Ochre-bellied flycatcher      | <i>Mionectes oleagineus</i>       | BIRD | passerine |    | 0      |
| 168  | Olivaceous cormorant          | <i>Phalacrocorax olivaceus</i>    | BIRD | diving    |    | 0      |
| 710  | Olivaceous woodcreeper        | <i>Sittasomus griseicapillus</i>  | BIRD | passerine |    | 0      |
| 693  | Olive-backed euphonia         | <i>Euphonia gouldi</i>            | BIRD | passerine |    | 0      |
| 782  | Olive-sided flycatcher        | <i>Contopus cooperi</i>           | BIRD | passerine | G4 | 200412 |
| 686  | Orange-billed sparrow         | <i>Arremon aurantirostris</i>     | BIRD | passerine |    | 0      |
| 368  | Orange-breasted falcon        | <i>Falco deiroleucus</i>          | BIRD | raptor    |    | 0      |
| 333  | Orange-chinned parakeet       | <i>Brotogeris jugularis</i>       | BIRD | passerine |    | 0      |
| 783  | Orange-crowned warbler        | <i>Vermivora celata</i>           | BIRD | passerine | G5 | 200412 |
| 330  | Orange-fronted parakeet       | <i>Aratinga canicularis</i>       | BIRD | passerine |    | 0      |
| 384  | Ornate hawk-eagle             | <i>Spizaetus ornatus</i>          | BIRD | raptor    |    | 0      |
| 77   | Osprey                        | <i>Pandion haliaetus</i>          | BIRD | raptor    | G5 | 200412 |
| 647  | Ovenbird                      | <i>Seiurus aurocapillus</i>       | BIRD | passerine | G5 | 200412 |
| 389  | Owls                          | Strigidae spp.                    | BIRD | raptor    |    | 0      |
| 543  | Pacific golden-plover         | <i>Pluvialis fulva</i>            | BIRD | shorebird | G5 | 200412 |
| 31   | Pacific loon                  | <i>Gavia pacifica</i>             | BIRD | diving    | G5 | 200412 |
| 332  | Pacific parakeet              | <i>Aratinga strenua</i>           | BIRD | passerine |    | 0      |
| 730  | Pacific reef-heron            | <i>Egretta sacra</i>              | BIRD | wading    |    | 0      |
| 379  | Pacific screech-owl           | <i>Megascops cooperi</i>          | BIRD | raptor    |    | 0      |
| 784  | Pacific-slope flycatcher      | <i>Empidonax difficilis</i>       | BIRD | passerine | G5 | 200412 |
| 571  | Pale-billed woodpecker        | <i>Campephilus guatemalensis</i>  | BIRD | passerine |    | 0      |
| 84   | Parakeet auklet               | <i>Aethia psittacula</i>          | BIRD | alcid     | G5 | 200412 |
| 35   | Parasitic jaeger              | <i>Stercorarius parasiticus</i>   | BIRD | pelagic   | G5 | 200412 |
| 1029 | Parrots                       |                                   | BIRD | passerine |    | 0      |
| 1018 | Passerine birds               |                                   | BIRD | passerine |    | 0      |

|      |                                 |                               |      |           |       |        |
|------|---------------------------------|-------------------------------|------|-----------|-------|--------|
| 432  | Pauraque                        | Nyctidromus albicollis        | BIRD | passerine | G5    | 200412 |
| 61   | Pectoral sandpiper              | Calidris melanotos            | BIRD | shorebird | G5    | 200412 |
| 1010 | Pelagic birds                   |                               | BIRD | pelagic   |       | 0      |
| 10   | Pelagic cormorant               | Phalacrocorax pelagicus       | BIRD | diving    | G5    | 200412 |
| 1035 | Pelicans                        | Pelecanus spp.                | BIRD | diving    |       | 0      |
| 107  | Peregrine falcon                | Falco peregrinus              | BIRD | raptor    | G4    | 200412 |
| 527  | Persian gulf caspian tern       | Hydroprogne tschegrava        | BIRD | gull_tern |       | 0      |
| 396  | Phalaropes                      | Phalaropus spp.               | BIRD | shorebird |       | 0      |
| 690  | Pheasant cuckoo                 | Dromococcyx phasianellus      | BIRD | passerine |       | 0      |
| 179  | Pied-billed grebe               | Podilymbus podiceps           | BIRD | diving    | G5    | 200412 |
| 47   | Pigeon guillemot                | Cepphus columba               | BIRD | alcid     | G5    | 200412 |
| 785  | Pileated woodpecker             | Dryocopus pileatus            | BIRD | passerine | G5    | 200412 |
| 786  | Pine siskin                     | Carduelis pinus               | BIRD | passerine | G5    | 200412 |
| 202  | Pink-footed shearwater          | Puffinus creatopus            | BIRD | pelagic   | G1G2Q | 200412 |
| 399  | Pinnated bittern                | Botaurus pinnatus             | BIRD | wading    |       | 0      |
| 544  | Pin-tailed snipe                | Gallinago stenura             | BIRD | shorebird |       | 0      |
| 153  | Piping plover                   | Charadrius melodus            | BIRD | shorebird | G3    | 200412 |
| 660  | Plain antvireo                  | Dysithamnus mentalis          | BIRD | passerine |       | 0      |
| 669  | Plain chachalaca                | Ortalis vetula                | BIRD | landfowl  | G5    | 200412 |
| 684  | Plain xenops                    | Xenops minutus                | BIRD | passerine |       | 0      |
| 394  | Plovers                         | Charadrius spp.               | BIRD | shorebird |       | 0      |
| 376  | Plumbeous kite                  | Ictinia plumbea               | BIRD | raptor    |       | 0      |
| 199  | Pomarine jaeger                 | Stercorarius pomarinus        | BIRD | pelagic   | G5    | 200412 |
| 737  | Prothonotary warbler            | Protonotaria citrea           | BIRD | passerine | G5    | 200412 |
| 451  | Puerto Rican broad-winged hawk  | Buteo platypterus brunnescens | BIRD | raptor    |       | 0      |
| 456  | Puerto Rican bullfinch          | Loxigilla portoricensis       | BIRD | passerine |       | 0      |
| 454  | Puerto Rican lizard-cuckoo      | Saurothera vieilloti          | BIRD | passerine |       | 0      |
| 439  | Puerto Rican nightjar           | Caprimulgus noctitherus       | BIRD | passerine |       | 0      |
| 453  | Puerto Rican parrot             | Amazona vittata               | BIRD | passerine |       | 0      |
| 438  | Puerto Rican plain pigeon       | Patagioenas inornata          | BIRD | passerine |       | 0      |
| 450  | Puerto Rican sharp-shinned hawk | Accipiter striatus venator    | BIRD | raptor    |       | 0      |
| 1023 | Puffins                         | Fratercula spp.               | BIRD | alcid     |       | 0      |
| 787  | Purple finch                    | Carpodacus purpureus          | BIRD | passerine | G5    | 200412 |
| 212  | Purple gallinule                | Porphyryla martinica          | BIRD | waterfowl | G5    | 200412 |
| 545  | Purple heron                    | Ardea purpurea                | BIRD | wading    |       | 0      |
| 596  | Purple martin                   | Progne subis                  | BIRD | passerine | G5    | 200412 |
| 234  | Purple sandpiper                | Calidris maritima             | BIRD | shorebird | G5    | 200412 |
| 477  | Quail                           | Coturnix coturnix             | BIRD | landfowl  |       | 0      |
| 271  | Rails                           |                               | BIRD | wading    |       | 0      |
| 1005 | Raptors                         |                               | BIRD | raptor    |       | 0      |
| 606  | Rare diving bird                |                               | BIRD | diving    |       | 0      |

|     |                          |                            |      |           |      |        |
|-----|--------------------------|----------------------------|------|-----------|------|--------|
| 609 | Rare gull                |                            | BIRD | gull_tern |      | 0      |
| 310 | Rare passerine bird      |                            | BIRD | passerine |      | 0      |
| 615 | Rare passerine-like bird |                            | BIRD | passerine |      | 0      |
| 313 | Rare raptor              |                            | BIRD | raptor    |      | 0      |
| 616 | Rare seabird             |                            | BIRD | bird      |      | 0      |
| 315 | Rare shorebird           |                            | BIRD | shorebird |      | 0      |
| 317 | Rare tern                |                            | BIRD | gull_tern |      | 0      |
| 319 | Rare wading bird         |                            | BIRD | wading    |      | 0      |
| 75  | Razorbill                | Alca torda                 | BIRD | alcid     | G5   | 200412 |
| 788 | Red crossbill            | Loxia curvirostra          | BIRD | passerine | G5   | 200412 |
| 60  | Red knot                 | Calidris canutus           | BIRD | shorebird | G5   | 200412 |
| 160 | Red phalarope            | Phalaropus fulicaria       | BIRD | shorebird | G5   | 200412 |
| 342 | Red-billed tropicbird    | Phaethon aethereus         | BIRD | pelagic   | G5   | 200412 |
| 33  | Red-breasted merganser   | Mergus serrator            | BIRD | waterfowl | G5   | 200412 |
| 789 | Red-breasted nuthatch    | Sitta canadensis           | BIRD | passerine | G5   | 200412 |
| 790 | Red-breasted sapsucker   | Sphyrapicus ruber          | BIRD | passerine | G5   | 200412 |
| 674 | Red-capped manakin       | Pipra mentalis             | BIRD | passerine |      | 0      |
| 305 | Red-cockaded woodpecker  | Picoides borealis          | BIRD | passerine | G3   | 200412 |
| 492 | Red-crested pochard      | Netta rufina               | BIRD | waterfowl |      | 0      |
| 697 | Red-crowned ant-tanager  | Habia rubica               | BIRD | passerine |      | 0      |
| 163 | Reddish egret            | Egretta rufescens          | BIRD | wading    | G4   | 200412 |
| 791 | Red-eyed vireo           | Vireo olivaceus            | BIRD | passerine | G5   | 200412 |
| 99  | Red-faced cormorant      | Phalacrocorax urile        | BIRD | diving    | G5   | 200412 |
| 260 | Red-footed booby         | Sula sula                  | BIRD | pelagic   | G5   | 200412 |
| 124 | Redhead                  | Aythya americana           | BIRD | waterfowl | G5   | 200412 |
| 841 | Red-headed woodpecker    | Melanerpes erythrocephalus | BIRD | passerine | G5   | 200507 |
| 130 | Red-legged kittiwake     | Rissa brevirostris         | BIRD | pelagic   | G2G3 | 200412 |
| 651 | Red-lored parrot         | Amazona autumnalis         | BIRD | passerine |      | 0      |
| 4   | Red-necked grebe         | Podiceps grisegena         | BIRD | diving    | G5   | 200412 |
| 53  | Red-necked phalarope     | Phalaropus lobatus         | BIRD | shorebird | G4G5 | 200412 |
| 514 | Redshank                 | Tringa totanus             | BIRD | shorebird |      | 0      |
| 218 | Red-shouldered hawk      | Buteo lineatus             | BIRD | raptor    | G5   | 200412 |
| 230 | Red-tailed hawk          | Buteo jamaicensis          | BIRD | raptor    | G5   | 200412 |
| 250 | Red-tailed tropicbird    | Phaethon rubricauda        | BIRD | pelagic   | G4G5 | 200412 |
| 696 | Red-throated ant-tanager | Habia fuscicauda           | BIRD | passerine |      | 0      |
| 366 | Red-throated caracara    | Daptrius americanus        | BIRD | raptor    |      | 0      |
| 3   | Red-throated loon        | Gavia stellata             | BIRD | diving    | G5   | 200412 |
| 226 | Red-winged blackbird     | Agelaius phoeniceus        | BIRD | passerine | G5   | 200412 |
| 632 | Resplendent quetzal      | Pharomachrus mocinno       | BIRD | passerine |      | 0      |
| 50  | Rhinoceros auklet        | Cerorhinca monocerata      | BIRD | alcid     | G5   | 200412 |
| 40  | Ring-billed gull         | Larus delawarensis         | BIRD | gull_tern | G5   | 200412 |

|      |                                |                                   |      |           |      |        |
|------|--------------------------------|-----------------------------------|------|-----------|------|--------|
| 321  | Ringed kingfisher              | <i>Ceryle torquata</i>            | BIRD | passerine | G5   | 200412 |
| 500  | Ringed plover                  | <i>Charadrius hiaticula</i>       | BIRD | shorebird | G5   | 200412 |
| 180  | Ring-necked duck               | <i>Aythya collaris</i>            | BIRD | waterfowl | G5   | 200412 |
| 792  | Ring-necked pheasant           | <i>Phasianus colchicus</i>        | BIRD | landfowl  |      | 0      |
| 355  | Roadside hawk                  | <i>Buteo magnirostris</i>         | BIRD | raptor    |      | 0      |
| 19   | Rock dove                      | <i>Columba livia</i>              | BIRD | passerine |      | 0      |
| 419  | Rock ptarmigan                 | <i>Lagopus mutus</i>              | BIRD | landfowl  | G5   | 200412 |
| 161  | Rock sandpiper                 | <i>Calidris ptilocnemis</i>       | BIRD | shorebird | G5   | 200412 |
| 116  | Roseate spoonbill              | <i>Ajaia ajaja</i>                | BIRD | wading    | G5   | 200412 |
| 95   | Roseate tern                   | <i>Sterna dougallii</i>           | BIRD | gull_tern | G4   | 200412 |
| 409  | Ross' gull                     | <i>Rhodostethia rosea</i>         | BIRD | gull_tern | G3G4 | 200412 |
| 232  | Rough-legged hawk              | <i>Buteo lagopus</i>              | BIRD | raptor    | G5   | 200412 |
| 705  | Royal flycatcher               | <i>Onychorhynchus coronatus</i>   | BIRD | passerine |      | 0      |
| 137  | Royal tern                     | <i>Sterna maxima</i>              | BIRD | gull_tern | G5   | 200412 |
| 793  | Ruby-crowned kinglet           | <i>Regulus calendula</i>          | BIRD | passerine | G5   | 200412 |
| 433  | Ruby-throated hummingbird      | <i>Archilochus columbris</i>      | BIRD | passerine |      | 0      |
| 402  | Ruddy crane                    | <i>Laterallus ruber</i>           | BIRD | wading    |      | 0      |
| 148  | Ruddy duck                     | <i>Oxyura jamaicensis</i>         | BIRD | waterfowl | G5   | 200412 |
| 567  | Ruddy ground-dove              | <i>Columbina talpacoti</i>        | BIRD | passerine | G5   | 200412 |
| 546  | Ruddy shelduck                 | <i>Tadorna ferruginea</i>         | BIRD | waterfowl |      | 0      |
| 73   | Ruddy turnstone                | <i>Arenaria interpres</i>         | BIRD | shorebird | G5   | 200412 |
| 738  | Ruddy-breasted seedeater       | <i>Sporophila minuta</i>          | BIRD | passerine |      | 0      |
| 681  | Ruddy-tailed flycatcher        | <i>Terenotriccus erythrurus</i>   | BIRD | passerine |      | 0      |
| 497  | Rufescent tiger-heron          | <i>Tigrisoma lineatum</i>         | BIRD | wading    |      | 0      |
| 506  | Ruff and reeve                 | <i>Philomachus pugnax</i>         | BIRD | shorebird | G5   | 200412 |
| 817  | Ruffed grouse                  | <i>Bonasa umbellus</i>            | BIRD | landfowl  |      | 0      |
| 794  | Rufous hummingbird             | <i>Selasphorus rufus</i>          | BIRD | passerine | G5   | 200412 |
| 664  | Rufous piha                    | <i>Lipaugus unirufus</i>          | BIRD | passerine |      | 0      |
| 585  | Rufous-browed peppershrike     | <i>Cyclarhis gujanensis</i>       | BIRD | passerine |      | 0      |
| 612  | Rufous-naped wren              | <i>Campylorhynchus rufinucha</i>  | BIRD | passerine |      | 0      |
| 397  | Rufous-necked wood-rail        | <i>Aramides axillaris</i>         | BIRD | wading    |      | 0      |
| 650  | Rufous-tailed hummingbird      | <i>Amazilia tzacatl</i>           | BIRD | passerine |      | 0      |
| 114  | Sabine's gull                  | <i>Xema sabini</i>                | BIRD | gull_tern | G5   | 200412 |
| 151  | Saltmarsh common yellowthroat  | <i>Geothlypis trichas sinuosa</i> | BIRD | passerine |      | 0      |
| 278  | Saltmarsh sharp-tailed sparrow | <i>Ammodramus caudacutus</i>      | BIRD | passerine | G4   | 200412 |
| 233  | San Pablo song sparrow         | <i>Melospiza melodia samuelis</i> | BIRD | passerine |      | 0      |
| 67   | Sanderling                     | <i>Calidris alba</i>              | BIRD | shorebird | G5   | 200412 |
| 172  | Sandhill crane                 | <i>Grus canadensis</i>            | BIRD | wading    | G5   | 200412 |
| 1017 | Sandpipers                     |                                   | BIRD | shorebird |      | 0      |
| 135  | Sandwich tern                  | <i>Sterna sandvicensis</i>        | BIRD | gull_tern | G5   | 200412 |
| 547  | Saunders's tern                | <i>Sterna saundersii</i>          | BIRD | gull_tern |      | 0      |



|      |                            |                           |      |           |      |        |
|------|----------------------------|---------------------------|------|-----------|------|--------|
| 147  | Savannah sparrow           | Passerculus sandwichensis | BIRD | passerine | G5   | 200412 |
| 695  | Scaled antpitta            | Grallaria guatemalensis   | BIRD | passerine |      | 0      |
| 440  | Scaly-naped pigeon         | Patagioenas squamosa      | BIRD | passerine |      | 0      |
| 680  | Scaly-throated leaf-tosser | Sclerurus guatemalensis   | BIRD | passerine |      | 0      |
| 122  | Scarlet ibis               | Eudocimus ruber           | BIRD | wading    |      | 0      |
| 329  | Scarlet macaw              | Ara macao                 | BIRD | passerine |      | 0      |
| 299  | Scaup                      | Aythya spp.               | BIRD | waterfowl |      | 0      |
| 548  | Schlegel's petrel          | Pterodroma incerta        | BIRD | pelagic   |      | 0      |
| 579  | Scissor-tailed flycatcher  | Tyrannus forficatus       | BIRD | passerine | G5   | 200412 |
| 302  | Scoters                    | Melanitta spp.            | BIRD | waterfowl |      | 0      |
| 593  | Screech-owl                | Megascops sp.             | BIRD | raptor    |      | 0      |
| 1019 | Sea ducks                  |                           | BIRD | waterfowl |      | 0      |
| 1022 | Seabirds                   |                           | BIRD | pelagic   |      | 0      |
| 277  | Seaside sparrow            | Ammodramus maritimus      | BIRD | passerine | G4   | 200412 |
| 224  | Sedge wren                 | Cistothorus platensis     | BIRD | passerine | G5   | 200412 |
| 69   | Semipalmated plover        | Charadrius semipalmatus   | BIRD | shorebird | G5   | 200412 |
| 156  | Semipalmated sandpiper     | Calidris pusilla          | BIRD | shorebird | G5   | 200412 |
| 739  | Semiplumbeous hawk         | Leucopternis semiplumbeus | BIRD | raptor    |      | 0      |
| 219  | Sharp-shinned hawk         | Accipiter striatus        | BIRD | raptor    | G5   | 200412 |
| 292  | Sharp-tailed sandpiper     | Calidris acuminata        | BIRD | shorebird | G5   | 200412 |
| 1009 | Shearwaters                |                           | BIRD | pelagic   |      | 0      |
| 658  | Shining honeycreeper       | Cyanerpes lucidus         | BIRD | passerine |      | 0      |
| 1002 | Shorebirds                 |                           | BIRD | shorebird |      | 0      |
| 64   | Short-billed dowitcher     | Limnodromus griseus       | BIRD | shorebird | G5   | 200412 |
| 236  | Short-billed marsh-wren    | Cistothorus platensis     | BIRD | passerine |      | 0      |
| 176  | Short-eared owl            | Asio flammeus             | BIRD | raptor    | G5   | 200412 |
| 412  | Short-tailed albatross     | Phoebastria albatrus      | BIRD | pelagic   | G1   | 200412 |
| 354  | Short-tailed hawk          | Buteo brachyurus          | BIRD | raptor    | G4G5 | 200412 |
| 702  | Short-tailed nighthawk     | Lurocalis semitorquatus   | BIRD | passerine |      | 0      |
| 201  | Short-tailed shearwater    | Puffinus tenuirostris     | BIRD | pelagic   | G5   | 200412 |
| 472  | Short-toed eagle           | Circaetus gallicus        | BIRD | raptor    |      | 0      |
| 703  | Slate-colored solitaire    | Myadestes unicolor        | BIRD | passerine |      | 0      |
| 740  | Slaty-backed forest-falcon | Micrastur mirandollei     | BIRD | raptor    |      | 0      |
| 713  | Slaty-tailed trogon        | Trogon massena            | BIRD | passerine |      | 0      |
| 517  | Slender-billed gull        | Larus genei               | BIRD | gull_tern |      | 0      |
| 425  | Smoky-brown woodpecker     | Veniliornis fumigatus     | BIRD | passerine |      | 0      |
| 723  | Snail kite                 | Rostrhamus sociabilis     | BIRD | raptor    | G4G5 | 200412 |
| 15   | Snow goose                 | Chen caerulescens         | BIRD | waterfowl | G5   | 200412 |
| 89   | Snowy egret                | Egretta thula             | BIRD | wading    | G5   | 200412 |
| 183  | Snowy owl                  | Nyctea scandiaca          | BIRD | raptor    | G5   | 200412 |
| 139  | Snowy plover               | Charadrius alexandrinus   | BIRD | shorebird | G4   | 200412 |

|     |                               |                                 |      |           |    |        |
|-----|-------------------------------|---------------------------------|------|-----------|----|--------|
| 501 | Sociable plover               | Chettusia gregaria              | BIRD | shorebird |    | 0      |
| 587 | Social flycatcher             | Myiozetetes similis             | BIRD | passerine |    | 0      |
| 214 | Solitary sandpiper            | Tringa solitaria                | BIRD | shorebird | G5 | 200412 |
| 166 | Song sparrow                  | Melospiza melodia               | BIRD | passerine | G5 | 200412 |
| 550 | Sooty gull                    | Larus hemprichii                | BIRD | gull_tern |    | 0      |
| 200 | Sooty shearwater              | Puffinus griseus                | BIRD | pelagic   | G5 | 200412 |
| 127 | Sooty tern                    | Sterna fuscata                  | BIRD | gull_tern | G5 | 200412 |
| 188 | Sora                          | Porzana carolina                | BIRD | wading    | G5 | 200412 |
| 338 | South polar skua              | Catharacta maccormicki          | BIRD | pelagic   |    | 0      |
| 461 | Southeastern American kestrel | Falco sparverius paulus         | BIRD | raptor    |    | 0      |
| 473 | Sparrowhawk                   | Accipter nisus                  | BIRD | raptor    |    | 0      |
| 700 | Speckled mourner              | Laniocera rufescens             | BIRD | passerine |    | 0      |
| 415 | Spectacled eider              | Somateria fischeri              | BIRD | waterfowl | G2 | 200412 |
| 382 | Spectacled owl                | Pulsatrix perspicillata         | BIRD | raptor    |    | 0      |
| 718 | Spot-breasted wren            | Thryothorus maculipectus        | BIRD | passerine |    | 0      |
| 480 | Spotted crake                 | Porzana porzana                 | BIRD | wading    |    | 0      |
| 403 | Spotted rail                  | Pardirallus maculatus           | BIRD | wading    |    | 0      |
| 509 | Spotted redshank              | Tringa erythropus               | BIRD | shorebird |    | 0      |
| 56  | Spotted sandpiper             | Actitis macularia               | BIRD | shorebird | G5 | 200412 |
| 797 | Spotted towhee                | Pipilo maculatus                | BIRD | passerine | G5 | 200412 |
| 416 | Spruce grouse                 | Falcapennis canadensis          | BIRD | landfowl  | G5 | 200412 |
| 551 | Spur-winged plover            | Vanellus spinosus               | BIRD | shorebird |    | 0      |
| 488 | Squacco heron                 | Ardeola ralloides               | BIRD | wading    |    | 0      |
| 428 | Squirrel cuckoo               | Piaya cayana                    | BIRD | passerine |    | 0      |
| 159 | Steller's eider               | Polysticta stelleri             | BIRD | waterfowl | G3 | 200412 |
| 798 | Steller's jay                 | Cyanocitta stelleri             | BIRD | passerine | G5 | 200412 |
| 552 | Steppe eagle                  | Aquila nipalensis               | BIRD | raptor    |    | 0      |
| 213 | Stilt sandpiper               | Calidris himantopus             | BIRD | shorebird | G5 | 200412 |
| 290 | Stints                        | Calidris spp.                   | BIRD | shorebird |    | 0      |
| 345 | Storm-petrels                 | Oceanodroma spp.                | BIRD | pelagic   |    | 0      |
| 741 | Straight-billed woodcreeper   | Xiphorhynchus picus             | BIRD | passerine |    | 0      |
| 574 | Streaked-back oriole          | Icterus pustulatus sclateri     | BIRD | passerine |    | 0      |
| 422 | Streak-headed woodcreeper     | Lepidocolaptes souleyetti       | BIRD | passerine |    | 0      |
| 535 | Striated heron                | Butorides striata               | BIRD | wading    |    | 0      |
| 348 | Striped owl                   | Pseudoscops clamator            | BIRD | raptor    |    | 0      |
| 591 | Striped-headed sparrow        | Aimophila ruficauda             | BIRD | passerine |    | 0      |
| 678 | Stripe-tailed hummingbird     | Eupherusa eximia                | BIRD | passerine |    | 0      |
| 715 | Strong-billed woodcreeper     | Xiphocolaptes promeropirhynchus | BIRD | passerine |    | 0      |
| 194 | Suisun song sparrow           | Melospiza melodia maxillaris    | BIRD | passerine |    | 0      |
| 643 | Sungrebe                      | Heliornis fulica                | BIRD | wading    |    | 0      |
| 30  | Surf scoter                   | Melanitta perspicillata         | BIRD | waterfowl | G5 | 200412 |

|      |                          |                                |      |           |     |        |
|------|--------------------------|--------------------------------|------|-----------|-----|--------|
| 72   | Surfbird                 | <i>Aphriza virgata</i>         | BIRD | shorebird | G5  | 200412 |
| 357  | Swainson's hawk          | <i>Buteo swainsoni</i>         | BIRD | raptor    | G5  | 200412 |
| 799  | Swainson's thrush        | <i>Catharus ustulatus</i>      | BIRD | passerine | G5  | 200412 |
| 279  | Swainson's warbler       | <i>Limnothlypis swainsonii</i> | BIRD | passerine | G4  | 200412 |
| 1034 | Swallows                 | Hirundininae                   | BIRD | passerine |     | 0      |
| 280  | Swallow-tailed kite      | <i>Elanoides forficatus</i>    | BIRD | raptor    | G5  | 200412 |
| 229  | Swamp sparrow            | <i>Melospiza georgiana</i>     | BIRD | passerine | G5  | 200412 |
| 1027 | Swans                    | <i>Cygnus</i> spp.             | BIRD | waterfowl |     | 0      |
| 554  | Swinhoe's storm-petrel   | <i>Oceanodroma monorhis</i>    | BIRD | pelagic   |     | 0      |
| 731  | Tahiti petrel            | <i>Pterodroma rostrata</i>     | BIRD | pelagic   |     | 0      |
| 662  | Tawny-crowned greenlet   | <i>Hylophilus ochraceiceps</i> | BIRD | passerine |     | 0      |
| 659  | Tawny-winged woodcreeper | <i>Dendrocincla anabatina</i>  | BIRD | passerine |     | 0      |
| 272  | Teals                    | <i>Anas</i> sp.                | BIRD | waterfowl |     | 0      |
| 555  | Temminck's stint         | <i>Calidris temminckii</i>     | BIRD | shorebird |     | 0      |
| 556  | Terek sandpiper          | <i>Tringa cinereus</i>         | BIRD | shorebird |     | 0      |
| 1008 | Terns                    |                                | BIRD | gull_tern |     | 0      |
| 44   | Thayer's gull            | <i>Larus thayeri</i>           | BIRD | gull_tern | G5  | 200412 |
| 105  | Thick-billed murre       | <i>Uria lomvia</i>             | BIRD | alcid     | G5  | 200412 |
| 594  | Thicket tinamou          | <i>Crypturellus cinamomeus</i> | BIRD | passerine |     | 0      |
| 607  | Threatened diving bird   |                                | BIRD | diving    |     | 0      |
| 140  | Threatened raptor        |                                | BIRD | raptor    |     | 0      |
| 227  | Threatened shorebird     |                                | BIRD | shorebird |     | 0      |
| 318  | Threatened tern          |                                | BIRD | gull_tern |     | 0      |
| 608  | Threatened wading bird   |                                | BIRD | wading    |     | 0      |
| 677  | Thrush-like schiffornis  | <i>Schiffornis turdinus</i>    | BIRD | passerine |     | 0      |
| 800  | Townsend's solitaire     | <i>Myadestes townsendi</i>     | BIRD | passerine | G5  | 200412 |
| 744  | Townsend's warbler       | <i>Dendroica townsendi</i>     | BIRD | passerine | G5  | 200412 |
| 801  | Tree swallow             | <i>Tachycineta bicolor</i>     | BIRD | passerine | G5  | 200412 |
| 1033 | Tree swallows            | <i>Tachycineta</i> sp.         | BIRD | passerine |     | 0      |
| 207  | Tricolored blackbird     | <i>Agelaius tricolor</i>       | BIRD | passerine | G3  | 200412 |
| 94   | Tricolored heron         | <i>Egretta tricolor</i>        | BIRD | wading    | G5  | 200412 |
| 257  | Tristram's storm-petrel  | <i>Oceanodroma tristrami</i>   | BIRD | pelagic   | G3? | 200412 |
| 589  | Tropical gnatcatcher     | <i>Polioptila plumbea</i>      | BIRD | passerine |     | 0      |
| 573  | Tropical kingbird        | <i>Tyrannus melancholicus</i>  | BIRD | passerine | G5  | 200412 |
| 335  | Tropical mockingbird     | <i>Mimus gilvus</i>            | BIRD | passerine |     | 0      |
| 170  | Trumpeter swan           | <i>Cygnus buccinator</i>       | BIRD | waterfowl | G4  | 200412 |
| 494  | Tufted duck              | <i>Aythya fuligula</i>         | BIRD | waterfowl | G5  | 200412 |
| 51   | Tufted puffin            | <i>Fratercula cirrhata</i>     | BIRD | alcid     | G5  | 200412 |
| 11   | Tundra swan              | <i>Cygnus columbianus</i>      | BIRD | waterfowl | G5  | 200412 |
| 360  | Turkey vulture           | <i>Cathartes aura</i>          | BIRD | raptor    | G5  | 200412 |
| 223  | Upland sandpiper         | <i>Bartramia longicauda</i>    | BIRD | shorebird | G5  | 200412 |

|      |                                 |  |      |           |      |        |
|------|---------------------------------|--|------|-----------|------|--------|
| 802  | Varied thrush                   | <i>Ixoreus naevius</i>                 | BIRD | passerine | G5   | 200412 |
| 803  | Vaux's swift                    | <i>Chaetura vauxi</i>                  | BIRD | passerine | G5   | 200412 |
| 842  | Veery                           | <i>Catharus fuscescens</i>             | BIRD | passerine | G5   | 200507 |
| 605  | Vesper sparrow                  | <i>Poocetes gramineus</i>              | BIRD | passerine | G5   | 200412 |
| 435  | Violaceous trogon               | <i>Trogon violaceus</i>                | BIRD | passerine |      | 0      |
| 654  | Violet sabrewing                | <i>Campylopterus hemileucurus</i>      | BIRD | passerine |      | 0      |
| 804  | Violet-green swallow            | <i>Tachycineta thalassina</i>          | BIRD | passerine | G5   | 200412 |
| 187  | Virginia rail                   | <i>Rallus limicola</i>                 | BIRD | wading    | G5   | 200412 |
| 1004 | Wading birds                    |  | BIRD | wading    |      | 0      |
| 57   | Wandering tattler               | <i>Heteroscelus incanus</i>            | BIRD | shorebird | G5   | 200412 |
| 805  | Warbling vireo                  | <i>Vireo gilvus</i>                    | BIRD | passerine | G5   | 200412 |
| 478  | Water rail                      | <i>Rallus aquaticus</i>                | BIRD | wading    |      | 0      |
| 1003 | Waterfowl                       |  | BIRD | waterfowl |      | 0      |
| 742  | Wattled jacana                  | <i>Jacana jacana</i>                   | BIRD | wading    |      | 0      |
| 341  | Wedge-rumped storm-petrel       | <i>Oceanodroma tethys</i>              | BIRD | pelagic   |      | 0      |
| 247  | Wedge-tailed shearwater         | <i>Puffinus pacificus</i>              | BIRD | pelagic   | G4G5 | 200412 |
| 447  | West Indian whistling-duck      | <i>Dendrocygna arborea</i>             | BIRD | waterfowl |      | 0      |
| 7    | Western grebe                   | <i>Aechmophorus occidentalis</i>       | BIRD | diving    | G5   | 200412 |
| 37   | Western gull                    | <i>Larus occidentalis</i>              | BIRD | gull_tern | G5   | 200412 |
| 806  | Western meadowlark              | <i>Sturnella neglecta</i>              | BIRD | passerine | G5   | 200412 |
| 557  | Western reef heron              | <i>Egretta gularis</i>                 | BIRD | wading    |      | 0      |
| 66   | Western sandpiper               | <i>Calidris mauri</i>                  | BIRD | shorebird | G5   | 200412 |
| 807  | Western screech-owl             | <i>Megascops kennicottii</i>           | BIRD | raptor    |      | 0      |
| 712  | Western slaty-antshrike         | <i>Thamnophilus atrinucha</i>          | BIRD | passerine |      | 0      |
| 270  | Western snowy plover            | <i>Charadrius alexandrinus nivosus</i> | BIRD | shorebird |      | 0      |
| 808  | Western tanager                 | <i>Piranga ludoviciana</i>             | BIRD | passerine | G5   | 200412 |
| 809  | Western wood-pewee              | <i>Contopus sordidulus</i>             | BIRD | passerine | G5   | 200412 |
| 55   | Whimbrel                        | <i>Numenius phaeopus</i>               | BIRD | shorebird | G5   | 200412 |
| 599  | Whip-poor-will                  | <i>Caprimulgus vociferus</i>           | BIRD | passerine | G5   | 200412 |
| 618  | Whiskered auklet                | <i>Aethia pygmaea</i>                  | BIRD | alcid     | G4   | 200412 |
| 845  | Whiskered tern                  | <i>Chlidonias hybridus</i>             | BIRD | gull_tern |      | 0      |
| 663  | White hawk                      | <i>Leucopternis albicollis</i>         | BIRD | raptor    |      | 0      |
| 115  | White ibis                      | <i>Eudocimus albus</i>                 | BIRD | wading    | G5   | 200412 |
| 467  | White stork                     | <i>Ciconia ciconia</i>                 | BIRD | wading    |      | 0      |
| 264  | White tern                      | <i>Gygis alba</i>                      | BIRD | gull_tern | G4?  | 200412 |
| 625  | White tern (Oahu nesting group) | <i>Gygis alba rothschildi</i>          | BIRD | gull_tern |      | 0      |
| 558  | White wagtail                   | <i>Motacilla alba</i>                  | BIRD | gull_tern | G5   | 200412 |
| 421  | White-bellied chachalaca        | <i>Ortalis leucogastra</i>             | BIRD | landfowl  |      | 0      |
| 444  | White-cheeked pintail           | <i>Anas bahamensis</i>                 | BIRD | waterfowl |      | 0      |
| 559  | White-cheeked tern              | <i>Sterna repressa</i>                 | BIRD | gull_tern |      | 0      |
| 720  | White-collared manakin          | <i>Manacus candei</i>                  | BIRD | passerine |      | 0      |

|     |                            |                             |      |           |      |        |
|-----|----------------------------|-----------------------------|------|-----------|------|--------|
| 649 | White-collared swift       | Streptoprocne zonaris       | BIRD | passerine |      | 0      |
| 673 | White-crowned parrot       | Pionus senilis              | BIRD | passerine |      | 0      |
| 297 | White-crowned pigeon       | Patagioenas leucocephala    | BIRD | passerine |      | 0      |
| 810 | White-crowned sparrow      | Zonotrichia leucophrys      | BIRD | passerine | G5   | 200412 |
| 560 | White-eyed gull            | Larus leucoptthalmus        | BIRD | gull_tern |      | 0      |
| 843 | White-eyed vireo           | Vireo griseus               | BIRD | passerine | G5   | 200507 |
| 149 | White-faced ibis           | Plegadis chihi              | BIRD | wading    | G5   | 200412 |
| 617 | White-faced or Glossy ibis | Plegadis spp.               | BIRD | wading    |      | 0      |
| 694 | White-faced quail-dove     | Geotrygon albigacies        | BIRD | passerine |      | 0      |
| 732 | White-faced storm petrel   | Pelagodroma marina          | BIRD | pelagic   | G5   | 200412 |
| 327 | White-fronted parrot       | Amazona albifrons           | BIRD | passerine |      | 0      |
| 561 | White-headed duck          | Oxyura leucocephala         | BIRD | waterfowl |      | 0      |
| 733 | White-necked petrel        | Pterodroma externa          | BIRD | pelagic   |      | 0      |
| 434 | White-necked puffbird      | Notharchus macrorhynchos    | BIRD | passerine |      | 0      |
| 238 | White-rumped sandpiper     | Calidris fuscicollis        | BIRD | shorebird | G5   | 200412 |
| 352 | White-tailed hawk          | Buteo albicaudatus          | BIRD | raptor    | G4G5 | 200412 |
| 131 | White-tailed kite          | Elanus leucurus             | BIRD | raptor    | G5   | 200412 |
| 502 | White-tailed plover        | Chettusia leucura           | BIRD | shorebird |      | 0      |
| 252 | White-tailed tropicbird    | Phaethon lepturus           | BIRD | pelagic   | G5   | 200412 |
| 743 | White-throated crane       | Laterallus albigularis      | BIRD | wading    |      | 0      |
| 566 | White-throated magpie-jay  | Calocitta formosa           | BIRD | passerine |      | 0      |
| 522 | White-winged black tern    | Chlidonias leucopterus      | BIRD | gull_tern |      | 0      |
| 448 | White-winged dove          | Zenaida asiatica            | BIRD | passerine | G5   | 200412 |
| 29  | White-winged scoter        | Melanitta fusca             | BIRD | waterfowl | G5   | 200412 |
| 265 | Whooping crane             | Grus americana              | BIRD | wading    | G1   | 200412 |
| 818 | Wild turkey                | Meleagris gallopavo         | BIRD | landfowl  |      | 0      |
| 155 | Willet                     | Catoptrophorus semipalmatus | BIRD | shorebird | G5   | 200412 |
| 811 | Willow flycatcher          | Empidonax traillii          | BIRD | passerine | G5   | 200412 |
| 418 | Willow ptarmigan           | Lagopus lagopus             | BIRD | landfowl  | G5   | 200412 |
| 52  | Wilson's phalarope         | Phalaropus tricolor         | BIRD | shorebird | G5   | 200412 |
| 154 | Wilson's plover            | Charadrius wilsonia         | BIRD | shorebird | G5   | 200412 |
| 849 | Wilson's snipe             | Gallinago delicata          | BIRD | shorebird | G5   | 200704 |
| 445 | Wilson's storm-petrel      | Oceanites oceanicus         | BIRD | pelagic   | G5   | 200412 |
| 812 | Wilson's warbler           | Wilsonia pusilla            | BIRD | passerine | G5   | 200412 |
| 443 | Winter wren                | Troglodytes troglodytes     | BIRD | passerine | G5   | 200412 |
| 191 | Wood duck                  | Aix sponsa                  | BIRD | waterfowl | G5   | 200412 |
| 510 | Wood sandpiper             | Tringa glareola             | BIRD | shorebird | G5   | 200412 |
| 132 | Wood stork                 | Mycteria americana          | BIRD | wading    | G4   | 200412 |
| 581 | Woodpecker                 | Veniliornis sp.             | BIRD | passerine |      | 0      |
| 717 | Woodthrush                 | Hylocichla mustelina        | BIRD | passerine | G5   | 200412 |
| 644 | Worm-eating warbler        | Helmitheros vermivorus      | BIRD | passerine | G5   | 200412 |

|     |                             |                                      |      |            |      |        |
|-----|-----------------------------|--------------------------------------|------|------------|------|--------|
| 143 | Xantus's murrelet           | <i>Synthliboramphus hypoleucus</i>   | BIRD | alcid      | G3G4 | 200412 |
| 825 | Yellow bittern              | <i>Ixobrychus sinensis</i>           | BIRD | wading     |      | 0      |
| 189 | Yellow rail                 | <i>Coturnicops noveboracensis</i>    | BIRD | wading     | G4   | 200412 |
| 334 | Yellow warbler              | <i>Dendroica petechia</i>            | BIRD | passerine  | G5   | 200412 |
| 639 | Yellow-bellied flycatcher   | <i>Empidonax flaviventris</i>        | BIRD | passerine  | G5   | 200412 |
| 281 | Yellow-bellied sapsucker    | <i>Sphyrapicus varius</i>            | BIRD | passerine  | G5   | 200412 |
| 707 | Yellow-bellied tyrannulet   | <i>Ornithion semiflavum</i>          | BIRD | passerine  |      | 0      |
| 455 | Yellow-billed cuckoo        | <i>Coccyzus americanus</i>           | BIRD | passerine  | G5   | 200412 |
| 408 | Yellow-billed loon          | <i>Gavia adamsii</i>                 | BIRD | diving     | G4   | 200412 |
| 601 | Yellow-breasted chat        | <i>Icteria virens</i>                | BIRD | passerine  | G5   | 200412 |
| 404 | Yellow-breasted crake       | <i>Porzana flaviventer</i>           | BIRD | wading     |      | 0      |
| 120 | Yellow-crowned night-heron  | <i>Nyctanassa violacea</i>           | BIRD | wading     | G5   | 200412 |
| 586 | Yellow-crowned parrot       | <i>Amazona ochrocephala</i>          | BIRD | passerine  |      | 0      |
| 274 | Yellow-headed blackbird     | <i>Xanthocephalus xanthocephalus</i> | BIRD | passerine  | G5   | 200412 |
| 633 | Yellow-headed parrot        | <i>Amazona oratrix</i>               | BIRD | passerine  |      | 0      |
| 563 | Yellow-legged herring gull  | <i>Larus cachinnans</i>              | BIRD | gull_tern  |      | 0      |
| 293 | Yellowlegs                  | <i>Tringa</i> spp.                   | BIRD | shorebird  |      | 0      |
| 328 | Yellow-naped parrot         | <i>Amazona auropalliata</i>          | BIRD | passerine  |      | 0      |
| 813 | Yellow-rumped warbler       | <i>Dendroica coronata</i>            | BIRD | passerine  | G5   | 200412 |
| 446 | Yellow-shouldered blackbird | <i>Agelaius xanthomus</i>            | BIRD | passerine  |      | 0      |
| 641 | Yellow-throated euphonia    | <i>Euphonia hirundinacea</i>         | BIRD | passerine  |      | 0      |
| 629 | Yucatan amazon              | <i>Amazona xantholora</i>            | BIRD | passerine  |      | 0      |
| 449 | Zenaida dove                | <i>Zenaida aurita</i>                | BIRD | passerine  |      | 0      |
| 353 | Zone-tailed hawk            | <i>Buteo albonotatus</i>             | BIRD | raptor     | G4   | 200412 |
| 575 |                             | <i>Ariopsis</i> sp.                  | FISH | e_nursery  |      | 0      |
| 589 |                             | <i>Diapterus brevimanus</i>          | FISH | e_nursery  |      | 0      |
| 591 |                             | <i>Lutjanus novemfasciatus</i>       | FISH | e_nursery  |      | 0      |
| 592 |                             | <i>Lobotes pacificus</i>             | FISH | e_nursery  |      | 0      |
| 597 |                             | <i>Stellifer</i> sp.                 | FISH | e_nursery  |      | 0      |
| 419 |                             | <i>Atherinella guatamalensis</i>     | FISH | e_resident |      | 0      |
| 875 |                             | <i>Parachromis</i> sp.               | FISH | fish       |      | 0      |
| 448 |                             | <i>Chichlasoma motaguense</i>        | FISH | freshwater |      | 0      |
| 450 |                             | <i>Chichlasoma guttulatatum</i>      | FISH | freshwater |      | 0      |
| 451 |                             | <i>Atherinella guija</i>             | FISH | freshwater |      | 0      |
| 455 |                             | <i>Roeboides salvadoris</i>          | FISH | freshwater |      | 0      |
| 457 |                             | <i>Chichlasoma guija</i>             | FISH | freshwater |      | 0      |
| 583 |                             | <i>Pseudobalistes</i> sp.            | FISH | m_benthic  |      | 0      |
| 593 |                             | <i>Anisotremus</i> sp.               | FISH | m_benthic  |      | 0      |
| 595 |                             | <i>Pomadasys macracanthus</i>        | FISH | m_benthic  |      | 0      |
| 596 |                             | <i>Haemulon scuderi</i>              | FISH | m_benthic  |      | 0      |
| 599 |                             | <i>Paralonchurus</i> sp.             | FISH | m_benthic  |      | 0      |

|      |                         |                                 |      |            |    |        |
|------|-------------------------|---------------------------------|------|------------|----|--------|
| 608  |                         | Pareques viola                  | FISH | m_benthic  |    | 0      |
| 568  |                         | Urotrygon asterias              | FISH | m_pelagic  |    | 0      |
| 576  |                         | Tylosurus raphidoma             | FISH | m_pelagic  |    | 0      |
| 584  |                         | Batrachoides surinamensis       | FISH | m_pelagic  |    | 0      |
| 587  |                         | Dormitator maculatus            | FISH | m_pelagic  | G5 | 200412 |
| 594  |                         | Genuatremus sp.                 | FISH | m_pelagic  |    | 0      |
| 600  |                         | Menticirrhus nasus              | FISH | m_pelagic  |    | 0      |
| 602  |                         | Sphoeroides sp.                 | FISH | m_pelagic  |    | 0      |
| 607  |                         | Cynoscion nannus                | FISH | m_pelagic  |    | 0      |
| 427  | Acapulco damselfish     | Stegastes acapulcoensis         | FISH | m_benthic  |    | 0      |
| 896  | Acoupa weakfish         | Cynoscion acoupa                | FISH | fish       |    | 0      |
| 759  | African pompano         | Alectis ciliaris                | FISH | m_pelagic  |    | 0      |
| 917  | Agile chromis           | Chromis agilis                  | FISH | fish       |    | 0      |
| 367  | Alabama shad            | Alosa alabamae                  | FISH | diadromous | G3 | 200412 |
| 983  | Alaska blackfish        | Dallia pectoralis               | FISH | freshwater | G5 | 200412 |
| 459  | Alaska plaice           | Pleuronectes quadrituberculatus | FISH | m_benthic  |    | 0      |
| 946  | Albacore                | Thunnus alalunga                | FISH | m_pelagic  |    | 0      |
| 85   | Alewife                 | Alosa pseudoharengus            | FISH | diadromous | G5 | 200412 |
| 76   | Alligator gar           | Lepisosteus spatula             | FISH | freshwater |    | 0      |
| 392  | Amarillo snapper        | Lutjanus argentiventris         | FISH | e_nursery  |    | 0      |
| 997  | American brook lamprey  | Lampetra appendix               | FISH | freshwater | G4 | 200507 |
| 573  | American coastal pella  | Pellona harroweri               | FISH | m_pelagic  |    | 0      |
| 98   | American eel            | Anguilla rostrata               | FISH | diadromous | G5 | 200412 |
| 467  | American plaice         | Hippoglossoides platessoides    | FISH | m_benthic  |    | 0      |
| 156  | American sand lance     | Ammodytes americanus            | FISH | m_benthic  |    | 0      |
| 87   | American shad           | Alosa sapidissima               | FISH | diadromous | G5 | 200412 |
| 939  | Amethyst anthias        | Pseudanthias pascalus           | FISH | fish       |    | 0      |
| 1022 | Anadromous fish         |                                 | FISH | diadromous |    | 0      |
| 681  | Anchialine muraenid eel | Gymnothorax hilonis             | FISH | e_resident |    | 0      |
| 1063 | Anchovies               |                                 | FISH | fish       |    | 0      |
| 428  | Anchovies               | Anchovia sp.                    | FISH | m_pelagic  |    | 0      |
| 598  | Anchovies               | Anchoa sp.                      | FISH | m_pelagic  |    | 0      |
| 561  | Angelfish               |                                 | FISH | m_benthic  |    | 0      |
| 189  | Arctic char             | Salvelinus alpinus              | FISH | diadromous | G5 | 200412 |
| 974  | Arctic cisco            | Coregonus autumnalis            | FISH | diadromous | G5 | 200412 |
| 978  | Arctic cod              | Boreogadus saida                | FISH | m_benthic  |    | 0      |
| 979  | Arctic flounder         | Pleuronectes glacialis          | FISH | m_benthic  |    | 0      |
| 503  | Arctic grayling         | Thymallus arcticus              | FISH | freshwater | G5 | 200412 |
| 905  | Arctic lamprey          | Lampetra camtschatica           | FISH | diadromous |    | 0      |
| 770  | Armed grunt             | Conodon serrifer                | FISH | e_resident |    | 0      |
| 4    | Arrowtooth flounder     | Atheresthes stomias             | FISH | m_benthic  |    | 0      |

|      |                          |                             |      |            |     |        |
|------|--------------------------|-----------------------------|------|------------|-----|--------|
| 636  | Atka mackerel            | Pleurogrammus monopterygius | FISH | m_pelagic  |     | 0      |
| 1104 | Atlantic angel shark     | Squatina dumeril            | FISH | m_benthic  | GNR | 200704 |
| 880  | Atlantic bigeye          | Priacanthus arenatus        | FISH | fish       |     | 0      |
| 311  | Atlantic bonito          | Sarda sarda                 | FISH | m_pelagic  |     | 0      |
| 320  | Atlantic bumper          | Chloroscombrus chrysurus    | FISH | m_pelagic  |     | 0      |
| 149  | Atlantic cod             | Gadus morhua                | FISH | m_benthic  |     | 0      |
| 123  | Atlantic croaker         | Micropogonias undulatus     | FISH | e_nursery  |     | 0      |
| 321  | Atlantic cutlassfish     | Trichiurus lepturus         | FISH | e_nursery  |     | 0      |
| 881  | Atlantic guitarfish      | Rhinobatus lentiginosus     | FISH | fish       |     | 0      |
| 146  | Atlantic herring         | Clupea harengus             | FISH | e_nursery  |     | 0      |
| 147  | Atlantic mackerel        | Scomber scombrus            | FISH | m_pelagic  |     | 0      |
| 115  | Atlantic menhaden        | Brevoortia tyrannus         | FISH | e_nursery  |     | 0      |
| 885  | Atlantic moonfish        | Selene setapinnis           | FISH | fish       |     | 0      |
| 378  | Atlantic needlefish      | Strongylura marina          | FISH | m_pelagic  | G5  | 200412 |
| 571  | Atlantic piquitinga      | Lile piquitinga             | FISH | e_resident |     | 0      |
| 144  | Atlantic salmon          | Salmo salar                 | FISH | diadromous | G5  | 200412 |
| 318  | Atlantic sharpnose shark | Rhizoprionodon terraenovae  | FISH | e_nursery  |     | 0      |
| 900  | Atlantic sierra          | Scomberomorus brasiliensis  | FISH | fish       |     | 0      |
| 94   | Atlantic silverside      | Menidia menidia             | FISH | e_resident |     | 0      |
| 310  | Atlantic spadefish       | Chaetodipterus faber        | FISH | m_benthic  |     | 0      |
| 323  | Atlantic stingray        | Dasyatis sabina             | FISH | m_benthic  | G5  | 200412 |
| 102  | Atlantic sturgeon        | Acipenser oxyrinchus        | FISH | diadromous | G3  | 200412 |
| 129  | Atlantic thread herring  | Opisthonema oglinum         | FISH | m_pelagic  |     | 0      |
| 371  | Atlantic threadfin       | Polydactylus octonemus      | FISH | m_pelagic  |     | 0      |
| 99   | Atlantic tomcod          | Microgadus tomcod           | FISH | m_benthic  | G5  | 200412 |
| 1024 | Baitfish                 |                             | FISH | e_resident |     | 0      |
| 386  | Balloonfish              | Diodon holocanthus          | FISH | m_benthic  |     | 0      |
| 788  | Ballyhoo                 | Hemiramphus brasiliensis    | FISH | m_pelagic  |     | 0      |
| 454  | Banded astyanax          | Astyanax fasciatus          | FISH | freshwater |     | 0      |
| 1097 | Banded drum              | Larimus fasciatus           | FISH | m_benthic  | GNR | 200704 |
| 159  | Banded killifish         | Fundulus diaphanus          | FISH | freshwater | G5  | 200412 |
| 396  | Banded wrasse            | Psuedojulis notospilus      | FISH | m_benthic  |     | 0      |
| 82   | Bantam sunfish           | Lepomis symmetricus         | FISH | freshwater | G5  | 200412 |
| 344  | Bar jack                 | Caranx ruber                | FISH | e_nursery  |     | 0      |
| 857  | Barbel drum              | Ctenosciaena gracilicirrhus | FISH | fish       |     | 0      |
| 877  | Barbu                    | Polydactylus virginicus     | FISH | fish       |     | 0      |
| 562  | Barracudas               |                             | FISH | m_benthic  |     | 0      |
| 704  | Barracudas               | Sphyraena spp.              | FISH | m_pelagic  |     | 0      |
| 260  | Barred sand bass         | Paralabrax nebulifer        | FISH | m_benthic  |     | 0      |
| 894  | Barred surfperch         | Amphistichus argenteus      | FISH | m_pelagic  |     | 0      |
| 473  | Bat ray                  | Myliobatis californica      | FISH | m_benthic  |     | 0      |



|      |                           |                            |      |            |    |        |
|------|---------------------------|----------------------------|------|------------|----|--------|
| 113  | Bay anchovy               | Anchoa mitchilli           | FISH | e_nursery  |    | 0      |
| 375  | Bay whiff                 | Citharichthys spilopterus  | FISH | m_benthic  |    | 0      |
| 357  | Belted sandfish           | Serranus subligarius       | FISH | m_benthic  |    | 0      |
| 982  | Bering cisco              | Coregonus laurettae        | FISH | diadromous | G4 | 200412 |
| 864  | Bermuda sea chub          | Kyphosus sectatrix         | FISH | fish       |    | 0      |
| 919  | Bicolor chromis           | Chromis margaritifer       | FISH | fish       |    | 0      |
| 40   | Big skate                 | Raja binoculata            | FISH | m_benthic  |    | 0      |
| 634  | Bigeye barenose           | Monotaxis grandoculis      | FISH | m_benthic  |    | 0      |
| 694  | Bigeye jack               | Caranx sexfasciatus        | FISH | m_pelagic  |    | 0      |
| 815  | Bigeye longfin herring    | Opisthopterus macrops      | FISH | e_resident |    | 0      |
| 631  | Bigeye scad               | Selar crumenophthalmus     | FISH | m_pelagic  |    | 0      |
| 836  | Bigeye tuna               | Thunnus obesus             | FISH | m_pelagic  |    | 0      |
| 1038 | Bigeyes                   | Priacanthidae              | FISH | m_benthic  |    | 0      |
| 650  | Bighead carp              | Hypophthalmichthys nobilis | FISH | freshwater |    | 0      |
| 324  | Bighead searobin          | Prionotus tribulus         | FISH | e_nursery  |    | 0      |
| 125  | Bigmouth buffalo          | Ictiobus cyprinellus       | FISH | freshwater | G5 | 200412 |
| 652  | Big-scale soldierfish     | Myripristis berndti        | FISH | m_benthic  |    | 0      |
| 924  | Bird wrasse               | Gomphosus varius           | FISH | fish       |    | 0      |
| 825  | Black basses              | Micropterus spp.           | FISH | freshwater |    | 0      |
| 216  | Black buffalo             | Ictiobus niger             | FISH | freshwater | G5 | 200412 |
| 246  | Black bullhead            | Ameiurus melas             | FISH | freshwater | G5 | 200412 |
| 181  | Black crappie             | Pomoxis nigromaculatus     | FISH | freshwater | G5 | 200412 |
| 122  | Black drum                | Pogonias cromis            | FISH | e_nursery  |    | 0      |
| 932  | Black durgon              | Melichthys niger           | FISH | fish       |    | 0      |
| 807  | Black grouper             | Mycteroperca bonaci        | FISH | m_pelagic  |    | 0      |
| 443  | Black molly               | Poecilia sphenops          | FISH | e_resident |    | 0      |
| 29   | Black rockfish            | Sebastes melanops          | FISH | m_benthic  |    | 0      |
| 110  | Black sea bass            | Centropristis striata      | FISH | e_nursery  |    | 0      |
| 404  | Black skipjack            | Euthynnus lineatus         | FISH | m_pelagic  |    | 0      |
| 950  | Black surgeonfish         | Ctenochaetus hawaiiensis   | FISH | fish       |    | 0      |
| 1075 | Black-and-yellow rockfish | Sebastes chrysomelas       | FISH | m_benthic  |    | 0      |
| 1105 | Blackbanded sunfish       | Enneacanthus chaetodon     | FISH | freshwater | G4 | 200704 |
| 935  | Blackbar devil            | Plectroglyphidodon dickii  | FISH | fish       |    | 0      |
| 749  | Blackbar soldierfish      | Myripristis jacobus        | FISH | fish       |    | 0      |
| 987  | Blackbelly eelpout        | Lycodes pacificus          | FISH | m_benthic  |    | 0      |
| 890  | Blackbelt cichlid         | Vieja maculicauda          | FISH | fish       |    | 0      |
| 837  | Blackblotch pompano       | Trachinotus kennedyi       | FISH | m_pelagic  |    | 0      |
| 325  | Blackcheek tonguefish     | Symphurus plagiusa         | FISH | m_benthic  |    | 0      |
| 169  | Blackchin shiner          | Notropis heterodon         | FISH | freshwater | G5 | 200412 |
| 640  | Blackfin chromis          | Chromis vanderbilti        | FISH | m_benthic  |    | 0      |
| 797  | Blackfin snapper          | Lutjanus buccanella        | FISH | m_pelagic  |    | 0      |

|      |                        |                          |      |            |      |        |
|------|------------------------|--------------------------|------|------------|------|--------|
| 410  | Blackfin snook         | Centropomus medius       | FISH | e_nursery  |      | 0      |
| 835  | Blackfin tuna          | Thunnus atlanticus       | FISH | m_pelagic  |      | 0      |
| 445  | Blackmouth croaker     | Umbrina xanti            | FISH | m_benthic  |      | 0      |
| 170  | Blacknose shiner       | Notropis heterolepis     | FISH | freshwater | G4   | 200412 |
| 315  | Blacktip shark         | Carcharhinus limbatus    | FISH | m_pelagic  |      | 0      |
| 1001 | Blennies               |                          | FISH | m_benthic  |      | 0      |
| 352  | Blue angelfish         | Holacanthus bermudensis  | FISH | m_benthic  |      | 0      |
| 200  | Blue catfish           | Ictalurus furcatus       | FISH | freshwater | G5   | 200412 |
| 737  | Blue chromis           | Chromis cyaneus          | FISH | fish       |      | 0      |
| 521  | Blue marlin            | Makaira nigricans        | FISH | m_pelagic  |      | 0      |
| 754  | Blue parrotfish        | Scarus coeruleus         | FISH | fish       |      | 0      |
| 196  | Blue rockfish          | Sebastes mystinus        | FISH | m_benthic  |      | 0      |
| 128  | Blue runner            | Caranx crysos            | FISH | m_pelagic  |      | 0      |
| 456  | Blue sea catfish       | Arius guatamalensis      | FISH | freshwater |      | 0      |
| 783  | Blue striped grunt     | Haemulon sciurus         | FISH | m_pelagic  |      | 0      |
| 279  | Blue sucker            | Cycleptus elongatus      | FISH | freshwater | G3G4 | 200412 |
| 722  | Blue tang surgeonfish  | Acanthurus coeruleus     | FISH | fish       |      | 0      |
| 86   | Blueback herring       | Alosa aestivalis         | FISH | diadromous | G5   | 200412 |
| 850  | Blue-eye cichlid       | Archocentrus spilurus    | FISH | fish       |      | 0      |
| 693  | Bluefin trevally       | Caranx melampygus        | FISH | m_pelagic  |      | 0      |
| 65   | Bluefish               | Pomatomus saltatrix      | FISH | e_nursery  |      | 0      |
| 563  | Bluefish spp.          |                          | FISH | m_pelagic  |      | 0      |
| 182  | Bluegill               | Lepomis macrochirus      | FISH | freshwater | G5   | 200412 |
| 732  | Bluehead               | Thalassoma bifasciatum   | FISH | fish       |      | 0      |
| 653  | Blueline surgeonfish   | Acanthurus nigroris      | FISH | m_benthic  |      | 0      |
| 339  | Bluenose shiner        | Pteronotropis welaka     | FISH | freshwater | G3G4 | 200412 |
| 654  | Bluespine unicornfish  | Naso unicornis           | FISH | m_benthic  |      | 0      |
| 781  | Bluespotted cornetfish | Fistularia commersonii   | FISH | e_resident |      | 0      |
| 984  | Bluespotted sunfish    | Enneacanthus gloriosus   | FISH | freshwater | G5   | 200412 |
| 971  | Bluestriped chub       | Sectator ocyurus         | FISH | m_pelagic  |      | 0      |
| 930  | Bluestriped snapper    | Lutjanus kasmira         | FISH | fish       |      | 0      |
| 579  | Blus bobo              | Polydactylus approximans | FISH | e_nursery  |      | 0      |
| 30   | Bocaccio               | Sebastes paucispinis     | FISH | m_benthic  |      | 0      |
| 525  | Bonefish               | Albula vulpes            | FISH | e_nursery  |      | 0      |
| 849  | Bonefish               | Albula nemptera          | FISH | m_pelagic  |      | 0      |
| 326  | Bonnethead shark       | Sphyrna tiburo           | FISH | e_nursery  |      | 0      |
| 218  | Bowfin                 | Amia calva               | FISH | freshwater | G5   | 200412 |
| 1039 | Boxfishes              |                          | FISH | m_benthic  |      | 0      |
| 546  | Boxlip grey mullet     | Oedalechilus labeo       | FISH | m_pelagic  |      | 0      |
| 534  | Boyer's silverside     | Atherina boyri           | FISH | m_pelagic  |      | 0      |
| 816  | Brassy grunt           | Orthopristis chalceus    | FISH | e_resident |      | 0      |

|      |                          |                                 |      |            |     |        |
|------|--------------------------|---------------------------------|------|------------|-----|--------|
| 998  | Bridle shiner            | Notropis bifrenatus             | FISH | freshwater | G3  | 200705 |
| 314  | Broad flounder           | Paralichthys squamilentus       | FISH | m_benthic  |     | 0      |
| 975  | Broad whitefish          | Coregonus nasus                 | FISH | diadromous | G5  | 200412 |
| 860  | Bronzestripe grunt       | Haemulon boschmae               | FISH | fish       |     | 0      |
| 166  | Brook trout              | Salvelinus fontinalis           | FISH | freshwater | G5  | 200412 |
| 502  | Brook trout (sea run)    | Salvelinus fontinalis (sea run) | FISH | diadromous |     | 0      |
| 211  | Brown bullhead           | Ameiurus nebulosus              | FISH | freshwater | G5  | 200412 |
| 198  | Brown Irish lord         | Hemilepidotus spinosus          | FISH | m_benthic  |     | 0      |
| 538  | Brown pipefish           | Syngnathus abaster              | FISH | m_benthic  |     | 0      |
| 38   | Brown rockfish           | Sebastes auriculatus            | FISH | m_benthic  |     | 0      |
| 947  | Brown tang               | Zebrasoma scopas                | FISH | fish       |     | 0      |
| 100  | Brown trout              | Salmo trutta                    | FISH | diadromous |     | 0      |
| 501  | Brown trout (sea run)    | Salmo trutta (sea run)          | FISH | diadromous |     | 0      |
| 550  | Buccich's goby           | Gobius buccichi                 | FISH | m_benthic  |     | 0      |
| 49   | Buffalo sculpin          | Enophrys bison                  | FISH | m_benthic  |     | 0      |
| 317  | Bull shark               | Carcharhinus leucas             | FISH | e_nursery  |     | 0      |
| 964  | Bull trout               | Salvelinus confluentus          | FISH | diadromous | G3  | 200412 |
| 655  | Bullethead parrotfish    | Scarus sordidus                 | FISH | m_benthic  |     | 0      |
| 498  | Bullhead catfish         | Ameiurus spp.                   | FISH | freshwater |     | 0      |
| 397  | Bumphead parrotfish      | Scarus perrico                  | FISH | m_benthic  |     | 0      |
| 237  | Burbot                   | Lota lota                       | FISH | freshwater | G5  | 200412 |
| 879  | Burro grunt              | Pomadasyd crocro                | FISH | fish       |     | 0      |
| 842  | Bussing's drum           | Umbrina bussingi                | FISH | m_pelagic  |     | 0      |
| 8    | Butter sole              | Isopsetta isolepis              | FISH | m_benthic  |     | 0      |
| 158  | Butterfish               | Peprilus triacanthus            | FISH | m_pelagic  |     | 0      |
| 432  | Butterfishes             | Peprilus spp.                   | FISH | m_pelagic  |     | 0      |
| 717  | Butterflyfish            | Chaetodon spp.                  | FISH | fish       |     | 0      |
| 253  | Butterflyfish            | Chaetodon sp.                   | FISH | m_benthic  |     | 0      |
| 1025 | Butterflyfishes          | Chaetodontidae                  | FISH | m_benthic  |     | 0      |
| 53   | Cabezon                  | Scorpaenichthys marmoratus      | FISH | m_benthic  |     | 0      |
| 605  | Cachema weakfish         | Cynoscion phoxocephalus         | FISH | m_pelagic  |     | 0      |
| 861  | Caesar grunt             | Haemulon carbonarium            | FISH | fish       |     | 0      |
| 740  | Caitipa mojarra          | Diapterus rhombeus              | FISH | fish       |     | 0      |
| 1083 | Calico surfperch         | Amphistichus koelzi             | FISH | m_pelagic  | GNR | 200603 |
| 285  | California barracuda     | Sphyaena argentea               | FISH | e_nursery  |     | 0      |
| 262  | California corbina       | Menticirrhus undulatus          | FISH | e_nursery  |     | 0      |
| 106  | California grunion       | Leuresthes tenuis               | FISH | e_nursery  |     | 0      |
| 225  | California halibut       | Paralichthys californicus       | FISH | e_nursery  |     | 0      |
| 407  | California needlefish    | Strongylura exilis              | FISH | m_pelagic  |     | 0      |
| 32   | Canary rockfish (orange) | Sebastes pinniger               | FISH | m_benthic  |     | 0      |
| 78   | Capelin                  | Mallotus villosus               | FISH | m_pelagic  |     | 0      |

|      |                            |   |      |            |     |        |
|------|----------------------------|---|------|------------|-----|--------|
| 751  | Cardinal soldierfish       | <i>Plectrypops retropinis</i>               | FISH | fish       |     | 0      |
| 1026 | Cardinalfishes             |   | FISH | m_benthic  |     | 0      |
| 572  | Caribbean longfin herring  | <i>Odontognathus compressus</i>             | FISH | m_pelagic  |     | 0      |
| 882  | Caribbean sharpnose shark  | <i>Rhizoprionodon porosus</i>               | FISH | fish       |     | 0      |
| 869  | Castin leatherjacket       | <i>Oligoplites saliens</i>                  | FISH | fish       |     | 0      |
| 414  | Catfish                    | <i>Arius</i> sp.                            | FISH | e_nursery  |     | 0      |
| 415  | Catfish                    | <i>Bagre</i> sp.                            | FISH | e_resident |     | 0      |
| 417  | Catfish                    | <i>Galeichthys</i> spp.                     | FISH | e_resident |     | 0      |
| 1012 | Catfishes                  | Siluriformes                                | FISH | freshwater |     | 0      |
| 891  | Central mudminnow          | <i>Umbra limi</i>                           | FISH | freshwater | G5  | 200507 |
| 826  | Cero                       | <i>Scomberomorus regalis</i>                | FISH | m_pelagic  |     | 0      |
| 292  | Chain pickerel             | <i>Esox niger</i>                           | FISH | freshwater | G5  | 200412 |
| 391  | Chamelion wrasse           | <i>Halichoeres dispilus</i>                 | FISH | m_benthic  |     | 0      |
| 201  | Channel catfish            | <i>Ictalurus punctatus</i>                  | FISH | freshwater | G5  | 200412 |
| 937  | Charcoal damsel            | <i>Pomacentrus brachialis</i>               | FISH | fish       |     | 0      |
| 73   | Cherry salmon              | <i>Oncorhynchus masou</i>                   | FISH | diadromous |     | 0      |
| 437  | Chihuail                   | <i>Bagre panamensis</i>                     | FISH | e_resident |     | 0      |
| 33   | Chilipepper                | <i>Sebastes goodei</i>                      | FISH | m_benthic  |     | 0      |
| 1077 | China rockfish             | <i>Sebastes nebulosus</i>                   | FISH | m_benthic  | GNR | 200509 |
| 68   | Chinook salmon             | <i>Oncorhynchus tshawytscha</i>             | FISH | diadromous | G5  | 200412 |
| 490  | Chinook salmon (fall)      | <i>Oncorhynchus tshawytscha</i> (fall)      | FISH | diadromous |     | 0      |
| 491  | Chinook salmon (late fall) | <i>Oncorhynchus tshawytscha</i> (late fall) | FISH | diadromous |     | 0      |
| 493  | Chinook salmon (spring)    | <i>Oncorhynchus tshawytscha</i> (spring)    | FISH | diadromous |     | 0      |
| 965  | Chinook salmon (summer)    | <i>Oncorhynchus tshawytscha</i> (summer)    | FISH | diadromous |     | 0      |
| 492  | Chinook salmon (winter)    | <i>Oncorhynchus tshawytscha</i> (winter)    | FISH | diadromous |     | 0      |
| 221  | Chiselmouth                | <i>Acrocheilus alutaceus</i>                | FISH | freshwater | G5  | 200412 |
| 834  | Chocolate tonguefish       | <i>Symphurus callopterus</i>                | FISH | m_pelagic  |     | 0      |
| 1067 | Chubs                      |   | FISH | m_pelagic  |     | 0      |
| 648  | Chubsucker                 | <i>Erimyzon</i> sp.                         | FISH | freshwater |     | 0      |
| 72   | Chum salmon                | <i>Oncorhynchus keta</i>                    | FISH | diadromous | G5  | 200412 |
| 994  | Chum salmon (fall)         | <i>Oncorhynchus keta</i> (fall)             | FISH | diadromous |     | 0      |
| 993  | Chum salmon (summer)       | <i>Oncorhynchus keta</i> (summer)           | FISH | diadromous |     | 0      |
| 1081 | Chum salmon (winter)       | <i>Oncorhynchus keta</i> (winter)           | FISH | diadromous | G5  | 200601 |
| 1061 | Cichlids                   |   | FISH | fish       |     | 0      |
| 164  | Cisco                      | <i>Coregonus</i> spp.                       | FISH | freshwater |     | 0      |
| 926  | Cleaner wrasse             | <i>Labroides dimidiatus</i>                 | FISH | fish       |     | 0      |
| 966  | Clearnose skate            | <i>Raja eglanteria</i>                      | FISH | m_benthic  |     | 0      |
| 907  | Clown surgeonfish          | <i>Acanthurus lineatus</i>                  | FISH | fish       |     | 0      |
| 725  | Clown wrasse               | <i>Halichoeres maculipinna</i>              | FISH | fish       |     | 0      |
| 13   | C-O sole                   | <i>Pleuronichthys coenosus</i>              | FISH | m_benthic  |     | 0      |
| 45   | Coastal cutthroat trout    | <i>Oncorhynchus clarkii clarkii</i>         | FISH | diadromous |     | 0      |

|      |                        |                           |      |            |     |        |
|------|------------------------|---------------------------|------|------------|-----|--------|
| 134  | Cobia                  | Rachycentron canadum      | FISH | m_pelagic  |     | 0      |
| 586  | Cocinero               | Caranx vinctus            | FISH | m_pelagic  |     | 0      |
| 358  | Cocoa damselfish       | Pomacentrus variabilis    | FISH | m_benthic  |     | 0      |
| 369  | Code goby              | Gobiosoma robustum        | FISH | e_resident |     | 0      |
| 69   | Coho salmon            | Oncorhynchus kisutch      | FISH | diadromous | G4  | 200412 |
| 590  | Colorado snapper       | Lutjanus colorado         | FISH | e_nursery  |     | 0      |
| 162  | Common carp            | Cyprinus carpio           | FISH | freshwater |     | 0      |
| 528  | Common guitarfish      | Rhinobatus rhinobatus     | FISH | m_benthic  |     | 0      |
| 943  | Common parrotfish      | Scarus psittacus          | FISH | fish       |     | 0      |
| 847  | Common sawfish         | Pristis pristis           | FISH | e_resident |     | 0      |
| 537  | Common seahorse        | Hippocampus ramulosus     | FISH | m_benthic  |     | 0      |
| 248  | Common shiner          | Luxilus cornutus          | FISH | freshwater | G5  | 200412 |
| 141  | Common snook           | Centropomus undecimalis   | FISH | e_nursery  |     | 0      |
| 560  | Common sole            | Solea solea               | FISH | m_benthic  |     | 0      |
| 559  | Common torpedo         | Torpedo torpedo           | FISH | m_benthic  |     | 0      |
| 512  | Coney                  | Epinephelus fulvus        | FISH | m_benthic  |     | 0      |
| 1044 | Conger eels            |                           | FISH | m_benthic  |     | 0      |
| 453  | Convict cichlid        | Cichlasoma nigrofasciatum | FISH | freshwater | G5  | 200412 |
| 420  | Convict tang           | Acanthurus triostegus     | FISH | m_benthic  |     | 0      |
| 26   | Copper rockfish        | Sebastes caurinus         | FISH | m_benthic  |     | 0      |
| 1050 | Cornetfishes           |                           | FISH | m_benthic  |     | 0      |
| 395  | Cortez angelfish       | Pomacanthus zonipectus    | FISH | m_benthic  |     | 0      |
| 400  | Cortez rainbow wrasse  | Thalassoma lucasanum      | FISH | m_benthic  |     | 0      |
| 1068 | Corvinas               |                           | FISH | m_pelagic  |     | 0      |
| 724  | Cottonwick grunt       | Haemulon melanurum        | FISH | fish       |     | 0      |
| 1074 | Cowcod                 | Sebastes levis            | FISH | m_benthic  |     | 0      |
| 477  | Cownose ray            | Rhinoptera bonasus        | FISH | m_benthic  |     | 0      |
| 236  | Crappie                | Pomoxis spp.              | FISH | freshwater |     | 0      |
| 63   | Crescent gunnel        | Pholis laeta              | FISH | m_benthic  |     | 0      |
| 1096 | Crested cusk-eel       | Ophidion josephi          | FISH | m_benthic  | GNR | 200704 |
| 142  | Crevalle jack          | Caranx hippos             | FISH | m_pelagic  |     | 0      |
| 902  | Cuban anchovy          | Anchoa cubana             | FISH | m_pelagic  |     | 0      |
| 349  | Cubbyu                 | Equetus umbrosus          | FISH | m_pelagic  |     | 0      |
| 798  | Cubera snapper         | Lutjanus cyanopterus      | FISH | m_pelagic  |     | 0      |
| 89   | Cunner                 | Tautoglabrus adspersus    | FISH | m_benthic  |     | 0      |
| 14   | Curlfin sole           | Pleuronichthys decurrens  | FISH | m_benthic  |     | 0      |
| 381  | Cusk eels              | Ophidion spp.             | FISH | m_benthic  |     | 0      |
| 255  | Damselfish             | Chromis sp.               | FISH | m_benthic  |     | 0      |
| 1009 | Damselfishes           | Pomacentridae             | FISH | m_benthic  |     | 0      |
| 942  | Dark capped parrotfish | Scarus oviceps            | FISH | fish       |     | 0      |
| 940  | Dark-banded fusilier   | Pterocaesio tile          | FISH | fish       |     | 0      |

|      |                            |                            |      |            |    |        |
|------|----------------------------|----------------------------|------|------------|----|--------|
| 913  | Darkfin hind               | Cephalopholis urodeta      | FISH | fish       |    | 0      |
| 779  | Dark-spot mojarra          | Eucinostomus entomelas     | FISH | e_resident |    | 0      |
| 1095 | Darter goby                | Ctenogobius boleosoma      | FISH | e_resident |    | 0      |
| 1013 | Darters                    |                            | FISH | freshwater |    | 0      |
| 405  | Deepbody thread herring    | Opisthonema libertate      | FISH | m_pelagic  |    | 0      |
| 475  | Delta smelt                | Hypomesus transpacificus   | FISH | e_resident | G1 | 200412 |
| 296  | Diamond killifish          | Adinia xenica              | FISH | e_resident |    | 0      |
| 533  | Dispar toothcarp           | Aphanius dispar            | FISH | m_benthic  |    | 0      |
| 721  | Doctorfish                 | Acanthurus chirurgus       | FISH | fish       |    | 0      |
| 800  | Dog snapper                | Lutjanus jocu              | FISH | m_pelagic  |    | 0      |
| 803  | Dogteeth weakfish          | Macrodon mordax            | FISH | m_pelagic  |    | 0      |
| 952  | Dogtooth tuna              | Gymnosarda unicolor        | FISH | m_pelagic  |    | 0      |
| 135  | Dolly varden               | Salvelinus malma           | FISH | diadromous | G5 | 200412 |
| 136  | Dolphin                    | Coryphaena hippurus        | FISH | m_pelagic  |    | 0      |
| 10   | Dover sole                 | Microstomus pacificus      | FISH | m_benthic  |    | 0      |
| 813  | Dove's longfin herring     | Opisthopterus dovi         | FISH | e_resident |    | 0      |
| 549  | Dragonet                   | Callionymus filamentosus   | FISH | m_benthic  |    | 0      |
| 705  | Drum                       | Cynoscion spp.             | FISH | fish       |    | 0      |
| 893  | Dusky anchovy              | Anchoa lyolepis            | FISH | m_pelagic  |    | 0      |
| 688  | Dusky frillgoby            | Bathygobius fuscus         | FISH | m_benthic  |    | 0      |
| 961  | Dusky rockfish             | Sebastes ciliatus          | FISH | m_benthic  |    | 0      |
| 393  | Dusky sergeant major       | Nexilarius concolor        | FISH | m_benthic  |    | 0      |
| 340  | Dusky shiner               | Notropis cummingsae        | FISH | freshwater | G5 | 200412 |
| 554  | Dusky spinefoot            | Siganus luridus            | FISH | m_benthic  |    | 0      |
| 747  | Dusky squirrelfish         | Holocentrus vexillarius    | FISH | fish       |    | 0      |
| 517  | Dwarf herring (blue fry)   | Jenkinsia lamprotaenia     | FISH | m_pelagic  |    | 0      |
| 1100 | Dwarf sand perch           | Diplectrum bivittatum      | FISH | m_pelagic  |    | 0      |
| 327  | Dwarf seahorse             | Hippocampus zosterae       | FISH | m_pelagic  |    | 0      |
| 1106 | Eastern silvery minnow     | Hybognathus regius         | FISH | freshwater | G5 | 200704 |
| 1023 | Eels                       |                            | FISH | m_benthic  |    | 0      |
| 247  | Emerald shiner             | Notropis atherinoides      | FISH | freshwater | G5 | 200412 |
| 1058 | Emperors                   | Lethrinidae                | FISH | m_pelagic  |    | 0      |
| 364  | Endangered anadromous fish |                            | FISH | diadromous |    | 0      |
| 620  | Endangered fish            |                            | FISH | fish       |    | 0      |
| 11   | English sole               | Parophrys vetulus          | FISH | e_nursery  |    | 0      |
| 814  | Equatorial longfin herring | Opisthopterus equatorialis | FISH | e_resident |    | 0      |
| 425  | Equatorial ray             | Raja equatoralis           | FISH | m_benthic  |    | 0      |
| 77   | Eulachon                   | Thaleichthys pacificus     | FISH | diadromous | G5 | 200412 |
| 685  | Eyebar goby                | Gnatholepis anjerensis     | FISH | m_resident |    | 0      |
| 656  | Eyestripe surgeonfish      | Acanthurus dussumieri      | FISH | m_benthic  |    | 0      |
| 862  | False herring              | Harengula clupeiola        | FISH | fish       |    | 0      |

|      |                       |                             |      |            |    |        |
|------|-----------------------|-----------------------------|------|------------|----|--------|
| 171  | Fathead minnow        | Pimephales promelas         | FISH | freshwater | G5 | 200412 |
| 1027 | Filefishes            |                             | FISH | m_benthic  |    | 0      |
| 370  | Finescale menhaden    | Brevoortia gunteri          | FISH | e_nursery  |    | 0      |
| 763  | Finescale triggerfish | Balistes polylepis          | FISH | m_pelagic  |    | 0      |
| 334  | Finetooth shark       | Carcharhinus isodon         | FISH | m_pelagic  |    | 0      |
| 1000 | Fish                  |                             | FISH | fish       |    | 0      |
| 945  | Fivestripe wrasse     | Thalassoma quinquevittatum  | FISH | fish       |    | 0      |
| 388  | Flag cabrilla         | Epinephelus labriformis     | FISH | m_benthic  |    | 0      |
| 496  | Flagfin mojarra       | Eucinostomus melanopterus   | FISH | e_resident |    | 0      |
| 911  | Flaming angelfish     | Centropyge loriculus        | FISH | fish       |    | 0      |
| 257  | Flathead catfish      | Pylodictis olivaris         | FISH | freshwater | G5 | 200412 |
| 16   | Flathead sole         | Hippoglossoides elassodon   | FISH | m_benthic  |    | 0      |
| 322  | Flier                 | Centrarchus macropterus     | FISH | freshwater | G5 | 200412 |
| 114  | Florida pompano       | Trachinotus carolinus       | FISH | m_benthic  |    | 0      |
| 284  | Flounder              | Paralichthys sp.            | FISH | m_benthic  |    | 0      |
| 1064 | Flounders             |                             | FISH | fish       |    | 0      |
| 1046 | Flying fishes         |                             | FISH | m_benthic  |    | 0      |
| 1011 | Forage fish           |                             | FISH | fish       |    | 0      |
| 941  | Forsten's parrotfish  | Scarus forsteni             | FISH | fish       |    | 0      |
| 831  | Fortune jack          | Seriola peruana             | FISH | m_pelagic  |    | 0      |
| 980  | Fourhorn sculpin      | Myoxocephalus quadricornis  | FISH | m_benthic  | G5 | 200412 |
| 948  | Four-lined wrasse     | Pseudocheilinus tetrataenia | FISH | fish       |    | 0      |
| 92   | Fourspine stickleback | Apeltes quadracus           | FISH | e_resident | G5 | 200412 |
| 338  | Frecklebelly madtom   | Noturus munitus             | FISH | freshwater | G3 | 200412 |
| 337  | Freckled darter       | Percina lenticula           | FISH | freshwater | G2 | 200412 |
| 753  | French angelfish      | Pomacanthus paru            | FISH | fish       |    | 0      |
| 742  | French grunt          | Haemulon flavolineatum      | FISH | fish       |    | 0      |
| 205  | Freshwater drum       | Aplodinotus grunnius        | FISH | freshwater |    | 0      |
| 259  | Freshwater goby       | Awaous sp.                  | FISH | e_resident |    | 0      |
| 376  | Fringed flounder      | Etropus crossotus           | FISH | m_benthic  |    | 0      |
| 1071 | Fusiliers             | Caesionidae                 | FISH | m_pelagic  |    | 0      |
| 217  | Gafftopsail catfish   | Bagre marinus               | FISH | e_nursery  |    | 0      |
| 839  | Gafftopsail pompano   | Trachinotus rhodopus        | FISH | m_pelagic  |    | 0      |
| 302  | Gag                   | Mycteroperca microlepis     | FISH | m_benthic  |    | 0      |
| 603  | Galapagos shark       | Carcharhinus galapagensis   | FISH | m_pelagic  |    | 0      |
| 328  | Gar                   | Lepisosteus spp.            | FISH | freshwater |    | 0      |
| 408  | Gar                   | Atracrosteus tropicus       | FISH | freshwater |    | 0      |
| 551  | Giant goby            | Gobius cobites              | FISH | m_benthic  |    | 0      |
| 995  | Giant manta           | Manta birostris             | FISH | m_pelagic  |    | 0      |
| 687  | Giant trevally        | Caranx ignobilis            | FISH | m_benthic  |    | 0      |
| 163  | Gizzard shad          | Dorosoma cepedianum         | FISH | diadromous | G5 | 200412 |

|      |                            |                                 |      |            |    |        |
|------|----------------------------|---------------------------------|------|------------|----|--------|
| 1028 | Goatfishes                 | Mullidae                        | FISH | m_benthic  |    | 0      |
| 1029 | Gobies                     |                                 | FISH | m_benthic  |    | 0      |
| 330  | Goby                       |                                 | FISH | e_resident |    | 0      |
| 478  | Goby                       | Gobiosoma spp.                  | FISH | e_resident |    | 0      |
| 553  | Goby sp.                   | Monishia ochetia                | FISH | m_benthic  |    | 0      |
| 543  | Golden grey mullet         | Liza aurata                     | FISH | m_pelagic  |    | 0      |
| 244  | Golden redhorse            | Moxostoma erythrurum            | FISH | freshwater | G5 | 200412 |
| 353  | Golden shiner              | Notemigonus crysoleucas         | FISH | freshwater | G5 | 200412 |
| 695  | Golden trevally            | Gnathanodon speciosus           | FISH | m_pelagic  |    | 0      |
| 423  | Goldfish                   | Carassius auratus               | FISH | freshwater |    | 0      |
| 641  | Gold-ring surgeonfish      | Ctenochaetus strigosus          | FISH | m_benthic  |    | 0      |
| 629  | Goldspot herring           | Herklotsichthys quadrimaculatus | FISH | e_resident |    | 0      |
| 818  | Goode croaker              | Paralanchurus goodei            | FISH | m_pelagic  |    | 0      |
| 157  | Goosefish                  | Lophius americanus              | FISH | m_benthic  |    | 0      |
| 1078 | Gopher rockfish            | Sebastes carnatus               | FISH | m_benthic  |    | 0      |
| 780  | Graceful mojarra           | Eucinostomus gracilis           | FISH | e_resident |    | 0      |
| 690  | Gracile lizardfish         | Saurida gracilis                | FISH | m_benthic  |    | 0      |
| 329  | Grass carp                 | Ctenopharyngodon idella         | FISH | freshwater |    | 0      |
| 184  | Grass pickerel             | Esox americanus vermiculatus    | FISH | freshwater | G5 | 200412 |
| 197  | Grass rockfish             | Sebastes rastrelliger           | FISH | m_benthic  |    | 0      |
| 752  | Gray angelfish             | Pomacanthus arcuatus            | FISH | fish       |    | 0      |
| 1057 | Gray mullets               |                                 | FISH | e_nursery  |    | 0      |
| 679  | Gray reef shark            | Carcharhinus amblyrhynchos      | FISH | m_pelagic  |    | 0      |
| 306  | Gray snapper               | Lutjanus griseus                | FISH | e_nursery  |    | 0      |
| 495  | Gray triggerfish           | Balistes caprisus               | FISH | m_benthic  |    | 0      |
| 131  | Great barracuda            | Sphyraena barracuda             | FISH | e_nursery  |    | 0      |
| 886  | Great hammerhead           | Sphyrna mokarran                | FISH | fish       |    | 0      |
| 356  | Greater amberjack          | Seriola dumerili                | FISH | m_pelagic  |    | 0      |
| 240  | Greater redhorse           | Moxostoma valenciennesi         | FISH | freshwater | G4 | 200412 |
| 401  | Green jack                 | Caranx caballus                 | FISH | m_pelagic  |    | 0      |
| 909  | Green jobfish              | Aprion virescens                | FISH | fish       |    | 0      |
| 44   | Green sturgeon             | Acipenser medirostris           | FISH | diadromous | G3 | 200412 |
| 183  | Green sunfish              | Lepomis cyanellus               | FISH | freshwater | G5 | 200412 |
| 460  | Greenland halibut (turbot) | Reinhardtius hippoglossoides    | FISH | m_benthic  |    | 0      |
| 1020 | Greenspotted rockfish      | Sebastes chlorostictus          | FISH | m_benthic  |    | 0      |
| 37   | Greenstriped rockfish      | Sebastes elongatus              | FISH | m_benthic  |    | 0      |
| 700  | Grouper                    | Epinephelus spp.                | FISH | fish       |    | 0      |
| 701  | Grouper                    | Mycteroperca spp.               | FISH | fish       |    | 0      |
| 846  | Grouper                    | Epinephelus sp.                 | FISH | fish       |    | 0      |
| 132  | Groupers                   | Serranidae                      | FISH | m_benthic  |    | 0      |
| 479  | Grubby                     | Myoxocephalus aeneus            | FISH | e_resident |    | 0      |



|      |                                    |                              |      |            |     |        |
|------|------------------------------------|------------------------------|------|------------|-----|--------|
| 702  | Grunt                              | Haemulon spp.                | FISH | fish       |     | 0      |
| 1017 | Grunts                             | Haemulidae                   | FISH | e_nursery  |     | 0      |
| 578  | Guaguanche                         | Sphyaena guachancho          | FISH | m_pelagic  |     | 0      |
| 452  | Guatemalen chulin                  | Rhamdia guatemalensis        | FISH | freshwater |     | 0      |
| 313  | Gulf butterflyfish                 | Peprilus burti               | FISH | m_pelagic  |     | 0      |
| 112  | Gulf flounder                      | Paralichthys albigutta       | FISH | e_nursery  |     | 0      |
| 269  | Gulf killifish                     | Fundulus grandis             | FISH | e_resident |     | 0      |
| 214  | Gulf kingfish                      | Menticirrhus littoralis      | FISH | e_nursery  |     | 0      |
| 213  | Gulf menhaden                      | Brevoortia patronus          | FISH | e_nursery  |     | 0      |
| 433  | Gulf pipefish                      | Syngnathus scovelli          | FISH | e_resident |     | 0      |
| 319  | Gulf sturgeon                      | Acipenser oxyrinchus desotoi | FISH | diadromous |     | 0      |
| 377  | Gulf toadfish                      | Opsanus beta                 | FISH | e_resident |     | 0      |
| 480  | Haddock                            | Melanogrammus aeglefinus     | FISH | m_benthic  |     | 0      |
| 918  | Half-and-half chromis              | Chromis iomelas              | FISH | fish       |     | 0      |
| 295  | Halfbeak                           | Hyporhamphus unifasciatus    | FISH | m_pelagic  |     | 0      |
| 707  | Hammerhead shark                   | Sphyrna spp.                 | FISH | fish       |     | 0      |
| 287  | Hardhead catfish                   | Arius felis                  | FISH | e_nursery  | G5  | 200412 |
| 852  | Hardhead silverside                | Atherinomorus stipes         | FISH | fish       |     | 0      |
| 535  | Hardyhead silverside               | Atherinomorus lacunosus      | FISH | m_pelagic  |     | 0      |
| 312  | Harvestfish                        | Peprilus alepidotus          | FISH | m_pelagic  |     | 0      |
| 258  | Hawaiian anchovy                   | Encrasicholina purpurea      | FISH | e_nursery  |     | 0      |
| 680  | Hawaiian black grouper             | Epinephelus quernus          | FISH | m_benthic  |     | 0      |
| 657  | Hawaiian domino damselfish         | Dascyllus albisella          | FISH | m_benthic  |     | 0      |
| 632  | Hawaiian flagtail                  | Kuhlia sandvicensis          | FISH | m_pelagic  |     | 0      |
| 658  | Hawaiian garden eel                | Gorgasia hawaiiensis         | FISH | m_benthic  |     | 0      |
| 630  | Hawaiian ladyfish                  | Elops hawaiiensis            | FISH | e_nursery  |     | 0      |
| 644  | Hawaiian silverside                | Atherinomorus insularum      | FISH | m_benthic  |     | 0      |
| 1030 | Hawkfishes                         |                              | FISH | m_benthic  |     | 0      |
| 645  | Heller's barracuda                 | Sphyaena helleri             | FISH | m_pelagic  |     | 0      |
| 333  | Herring and shad                   | Alosa spp.                   | FISH | diadromous |     | 0      |
| 1066 | Herrings                           |                              | FISH | e_resident |     | 0      |
| 105  | Hickory shad                       | Alosa mediocris              | FISH | diadromous | G5  | 200412 |
| 435  | "Highfin corvina, Tailfin croaker" | Micropogonias altipinnis     | FISH | e_nursery  |     | 0      |
| 1099 | Highfin goby                       | Gobionellus oceanicus        | FISH | e_resident | GNR | 200704 |
| 366  | Hogchoker                          | Trinectes maculatus          | FISH | e_nursery  | G5  | 200412 |
| 719  | Hogfish                            | Lachnolaimus maximus         | FISH | fish       |     | 0      |
| 504  | Hog-nosed mullet                   | Joturus pichardi             | FISH | diadromous |     | 0      |
| 956  | Honeycomb grouper                  | Epinephelus merra            | FISH | fish       |     | 0      |
| 789  | Horn shark                         | Heterodontus francisci       | FISH | m_pelagic  |     | 0      |
| 855  | Horse-eye jack                     | Caranx latus                 | FISH | m_pelagic  |     | 0      |
| 840  | Hound needlefish                   | Tylosurus crocodilus         | FISH | m_pelagic  |     | 0      |

|      |                       |                                  |      |            |      |        |
|------|-----------------------|----------------------------------|------|------------|------|--------|
| 976  | Humpback whitefish    | Coregonus pidschian              | FISH | diadromous | G5   | 200412 |
| 949  | Humphead wrasse       | Cheilinus undulatus              | FISH | fish       |      | 0      |
| 462  | Hybrid striped bass   | Morone sp.                       | FISH | diadromous |      | 0      |
| 280  | Hybrid sunfish        | Lepomis spp.                     | FISH | freshwater |      | 0      |
| 791  | Indo-pacific sailfish | Istiophorus platypterus          | FISH | m_pelagic  |      | 0      |
| 271  | Inland silverside     | Menidia beryllina                | FISH | e_resident | G5   | 200412 |
| 363  | Inshore lizardfish    | Synodus foetens                  | FISH | m_benthic  |      | 0      |
| 772  | Inshore sand perch    | Diplectrum pacificum             | FISH | m_pelagic  |      | 0      |
| 897  | Irish mojarra         | Diapterus auratus                | FISH | fish       |      | 0      |
| 703  | Jack                  | Caranx spp.                      | FISH | fish       |      | 0      |
| 768  | Jack                  | Caranx sp.                       | FISH | m_pelagic  |      | 0      |
| 585  | Jacks                 | Hemicaranx sp.                   | FISH | e_nursery  |      | 0      |
| 1008 | Jacks                 | Carangidae                       | FISH | e_nursery  |      | 0      |
| 564  | Jacks and pompanos    |                                  | FISH | m_benthic  |      | 0      |
| 193  | Jacksmelt             | Atherinopsis californiensis      | FISH | e_nursery  |      | 0      |
| 874  | Jaguar guapote        | Parachromis managuensis          | FISH | fish       |      | 0      |
| 449  | Jaguar guapote        | Chichlasoma managuense           | FISH | freshwater |      | 0      |
| 518  | Jewfish               | Epinephelus itajara              | FISH | e_nursery  |      | 0      |
| 234  | Johnny darter         | Etheostoma nigrum                | FISH | freshwater | G5   | 200412 |
| 951  | Johnston damselfish   | Plectroglyphidodon johnstonianus | FISH | fish       |      | 0      |
| 418  | Jordan's catfish      | Galeichthys jordani              | FISH | e_resident |      | 0      |
| 801  | Jordan's snapper      | Lutjanus jordani                 | FISH | m_pelagic  |      | 0      |
| 266  | Kelp bass             | Paralabrax clathratus            | FISH | m_benthic  |      | 0      |
| 46   | Kelp greenling        | Hexagrammos decagrammus          | FISH | m_benthic  |      | 0      |
| 55   | Kelp perch            | Brachyistius frenatus            | FISH | m_pelagic  |      | 0      |
| 1079 | Kelp rockfish         | Sebastes atrovirens              | FISH | m_benthic  |      | 0      |
| 283  | Killifish             | Fundulus spp.                    | FISH | e_resident |      | 0      |
| 969  | King angelfish        | Holacanthus passer               | FISH | fish       |      | 0      |
| 126  | King mackerel         | Scomberomorus cavalla            | FISH | m_pelagic  |      | 0      |
| 1052 | Knifejaws             |                                  | FISH | m_benthic  |      | 0      |
| 140  | Ladyfish              | Elops saurus                     | FISH | e_nursery  |      | 0      |
| 463  | Lake chubsucker       | Erimyzon sucetta                 | FISH | freshwater | G5   | 200412 |
| 235  | Lake herring          | Coregonus artedi                 | FISH | freshwater | G5   | 200412 |
| 161  | Lake sturgeon         | Acipenser fulvescens             | FISH | freshwater | G3G4 | 200412 |
| 167  | Lake trout            | Salvelinus namaycush             | FISH | freshwater | G5   | 200412 |
| 165  | Lake whitefish        | Coregonus clupeaformis           | FISH | freshwater | G5   | 200412 |
| 307  | Lane snapper          | Lutjanus synagris                | FISH | e_nursery  |      | 0      |
| 179  | Largemouth bass       | Micropterus salmoides            | FISH | freshwater | G5   | 200412 |
| 210  | Largescale sucker     | Catostomus macrocheilus          | FISH | freshwater | G5   | 200412 |
| 639  | Lavender tang         | Acanthurus nigrofuscus           | FISH | m_benthic  |      | 0      |
| 977  | Least cisco           | Coregonus sardinella             | FISH | diadromous | G5   | 200412 |

|      |                        |                                 |      |            |     |        |
|------|------------------------|---------------------------------|------|------------|-----|--------|
| 275  | Least puffer           | Sphoeroides parvus              | FISH | e_nursery  |     | 0      |
| 683  | Leatherback            | Scomberoides lysan              | FISH | m_pelagic  |     | 0      |
| 372  | Leatherjacket          | Oligoplites saurus              | FISH | m_pelagic  |     | 0      |
| 953  | Lei triggerfish        | Sufflamen bursa                 | FISH | fish       |     | 0      |
| 906  | Lemonpeel angelfish    | Centropyge flavissimus          | FISH | fish       |     | 0      |
| 1101 | Leopard searobin       | Prionotus scitulus              | FISH | m_benthic  |     | 0      |
| 177  | Leopard shark          | Triakis semifasciata            | FISH | e_nursery  |     | 0      |
| 830  | Lesser amberjack       | Seriola fasciata                | FISH | m_pelagic  |     | 0      |
| 547  | Lesser weever          | Echiichthys vipera              | FISH | m_benthic  |     | 0      |
| 1088 | Lined seahorse         | Hippocampus erectus             | FISH | m_pelagic  | GNR | 200612 |
| 611  | Lined sole             | Achirus lineatus                | FISH | e_resident |     | 0      |
| 2    | Lingcod                | Ophiodon elongatus              | FISH | m_benthic  |     | 0      |
| 1089 | Little skate           | Leucoraja erinacea              | FISH | m_benthic  | GNR | 200612 |
| 278  | Little tunny           | Euthynnus alletteratus          | FISH | m_benthic  |     | 0      |
| 858  | Live sharksucker       | Echeneis naucrates              | FISH | fish       |     | 0      |
| 805  | Liza                   | Mugil liza                      | FISH | e_resident |     | 0      |
| 884  | Lizard goby            | Rypticus saponaceus             | FISH | fish       |     | 0      |
| 1053 | Lizardfishes           |                                 | FISH | m_benthic  |     | 0      |
| 249  | Logperch               | Percina caprodes                | FISH | freshwater | G5  | 200412 |
| 526  | Longbill spearfish     | Tetrapturus pfluegeri           | FISH | m_pelagic  |     | 0      |
| 243  | Longear sunfish        | Lepomis megalotis               | FISH | freshwater | G5  | 200412 |
| 843  | Longfin drum           | Umbrina dorsalis                | FISH | m_pelagic  |     | 0      |
| 845  | Longfin salema         | Xenichthys xanti                | FISH | m_pelagic  |     | 0      |
| 172  | Longfin smelt          | Spirinchus thaleichthys         | FISH | diadromous | G5  | 200412 |
| 481  | Longhorn sculpin       | Myoxocephalus octodecemspinosus | FISH | m_benthic  |     | 0      |
| 745  | Longjaw squirrelfish   | Holocentrus marianus            | FISH | fish       |     | 0      |
| 659  | Longnose butterflyfish | Forcipiger longirostris         | FISH | m_benthic  |     | 0      |
| 464  | Longnose gar           | Lepisosteus osseus              | FISH | freshwater | G5  | 200412 |
| 270  | Longnose killifish     | Fundulus similis                | FISH | e_resident |     | 0      |
| 41   | Longnose skate         | Raja rhina                      | FISH | m_benthic  |     | 0      |
| 174  | Longnose sucker        | Catostomus catostomus           | FISH | freshwater | G5  | 200412 |
| 954  | Longnose surgeonfish   | Zebrasoma rostratum             | FISH | fish       |     | 0      |
| 841  | Longspine drum         | Umbrina analis                  | FISH | m_pelagic  |     | 0      |
| 359  | Longspine porgy        | Stenotomus caprinus             | FISH | e_nursery  |     | 0      |
| 409  | Longspine snook        | Centropomus armatus             | FISH | e_nursery  |     | 0      |
| 746  | Longspine squirrelfish | Holocentrus rufus               | FISH | fish       |     | 0      |
| 430  | Lookdown               | Selene vomer                    | FISH | m_pelagic  |     | 0      |
| 822  | Lumptail searobin      | Prionotus stephanophrys         | FISH | m_pelagic  |     | 0      |
| 854  | Machaca                | Brycon guatemalensis            | FISH | fish       |     | 0      |
| 570  | Machete                | Elops affinis                   | FISH | m_pelagic  |     | 0      |
| 346  | Mackerel scad          | Decapterus macarellus           | FISH | m_pelagic  |     | 0      |

|      |                         |                           |      |            |    |        |
|------|-------------------------|---------------------------|------|------------|----|--------|
| 499  | Mackerels               | Scomberomorus spp.        | FISH | m_pelagic  |    | 0      |
| 465  | Madtoms                 | Noturus spp.              | FISH | freshwater |    | 0      |
| 729  | Mahogany snapper        | Lutjanus mahogoni         | FISH | fish       |    | 0      |
| 915  | Mailed butterflyfish    | Chaetodon reticulatus     | FISH | fish       |    | 0      |
| 527  | Mangrove molly          | Poecilia orri             | FISH | e_resident |    | 0      |
| 1055 | Manta rays              | Mobulidae                 | FISH | m_benthic  |    | 0      |
| 660  | Manybar goatfish        | Parupeneus multifasciatus | FISH | m_benthic  |    | 0      |
| 684  | Manyray flatfish        | Bothus mancus             | FISH | m_benthic  |    | 0      |
| 868  | Maracaibo leatherjacket | Oligoplites palometa      | FISH | fish       |    | 0      |
| 558  | Marbled goby            | Pomatoschistus marmoratus | FISH | m_benthic  |    | 0      |
| 555  | Marbled spinefoot       | Siganus rivulatus         | FISH | m_benthic  |    | 0      |
| 516  | Margate                 | Haemulon album            | FISH | m_benthic  |    | 0      |
| 713  | Marlin                  | Makaira spp.              | FISH | fish       |    | 0      |
| 1047 | Marlins                 |                           | FISH | m_pelagic  |    | 0      |
| 297  | Marsh killifish         | Fundulus confluentus      | FISH | e_resident |    | 0      |
| 691  | Masked angelfish        | Genicanthus personatus    | FISH | m_pelagic  |    | 0      |
| 735  | Mayan sea catfish       | Arius assimilis           | FISH | fish       |    | 0      |
| 761  | Mayan sea catfish       | Ariopsis assimilis        | FISH | m_pelagic  |    | 0      |
| 532  | Mediterranean halfbeak  | Hyporhamphus picarti      | FISH | m_pelagic  |    | 0      |
| 557  | Mediterranean sand sole | Solea lascaris            | FISH | m_benthic  |    | 0      |
| 934  | Metallic demoiselle     | Neopomacentrus metallicus | FISH | fish       |    | 0      |
| 601  | Mexican barracuda       | Sphyraena ensis           | FISH | m_pelagic  |    | 0      |
| 828  | Mexican lookdown        | Selene brevoorti          | FISH | m_pelagic  |    | 0      |
| 856  | Mexican mojarra         | Cichlasoma urophthalmus   | FISH | fish       |    | 0      |
| 429  | Mexican moonfish        | Selene orestedii          | FISH | m_pelagic  |    | 0      |
| 581  | Mexican snook           | Centropomus poeyi         | FISH | e_resident |    | 0      |
| 916  | Midget chromis          | Chromis acares            | FISH | fish       |    | 0      |
| 574  | Milkfish                | Chanos chanos             | FISH | m_pelagic  |    | 0      |
| 466  | Minnnows                |                           | FISH | freshwater |    | 0      |
| 738  | Mojarra                 | Diapterus lineatus        | FISH | fish       |    | 0      |
| 412  | Mojarra                 | Eucinostomus sp.          | FISH | m_benthic  |    | 0      |
| 416  | Mojarras                | Diapterus spp.            | FISH | e_nursery  |    | 0      |
| 1084 | Monkeyface prickleback  | Cebidichthys violaceus    | FISH | m_pelagic  |    | 0      |
| 1056 | Moonfishes              |                           | FISH | m_pelagic  |    | 0      |
| 661  | Moorish idol            | Zanclus cornutus          | FISH | m_benthic  |    | 0      |
| 1040 | Moorish idols           |                           | FISH | m_benthic  |    | 0      |
| 1031 | Moray eels              |                           | FISH | m_benthic  |    | 0      |
| 222  | Mottled sculpin         | Cottus bairdi             | FISH | freshwater | G5 | 200412 |
| 382  | Mountain mullet         | Agonostomus monticola     | FISH | diadromous | G5 | 200412 |
| 282  | Mullet                  | Mugil spp.                | FISH | e_nursery  |    | 0      |
| 1065 | Mullets                 | Mugilidae                 | FISH | e_nursery  |    | 0      |

|      |                         |                           |      |            |     |        |
|------|-------------------------|---------------------------|------|------------|-----|--------|
| 662  | Multiband butterflyfish | Chaetodon multicinctus    | FISH | m_benthic  |     | 0      |
| 95   | Mummichog               | Fundulus heteroclitus     | FISH | e_resident |     | 0      |
| 186  | Muskellunge             | Esox masquinongy          | FISH | freshwater | G5  | 200412 |
| 514  | Mutton snapper          | Lutjanus analis           | FISH | e_nursery  |     | 0      |
| 374  | Naked goby              | Gobiosoma bosci           | FISH | e_resident |     | 0      |
| 764  | Naked-belly searobin    | Bellator gymnostethus     | FISH | m_pelagic  |     | 0      |
| 389  | Nassau grouper          | Epinephelus striatus      | FISH | m_benthic  |     | 0      |
| 1080 | Native char             | Salvelinus spp.           | FISH | diadromous |     | 0      |
| 1059 | Native gobies           |                           | FISH | diadromous |     | 0      |
| 689  | Native goby             | Oxyurichthys lonchotus    | FISH | m_benthic  |     | 0      |
| 1006 | Native stream fish      |                           | FISH | diadromous |     | 0      |
| 1042 | Needlefishes            | Belonidae                 | FISH | m_pelagic  |     | 0      |
| 723  | Nicaragua gizzard shad  | Dorosoma chavesi          | FISH | fish       |     | 0      |
| 228  | Night smelt             | Spirinchus starksi        | FISH | m_pelagic  |     | 0      |
| 871  | Nile tilapia            | Oreochromis nilotica      | FISH | fish       |     | 0      |
| 233  | Ninespine stickleback   | Pungitius pungitius       | FISH | diadromous | G5  | 200412 |
| 67   | Northern anchovy        | Engraulis mordax          | FISH | e_nursery  |     | 0      |
| 991  | Northern clingfish      | Gobiesox maeandricus      | FISH | m_benthic  |     | 0      |
| 824  | Northern hog sucker     | Hypentelium nigricans     | FISH | freshwater | G5  | 200507 |
| 153  | Northern kingfish       | Menticirrhus saxatilis    | FISH | e_nursery  |     | 0      |
| 185  | Northern pike           | Esox lucius               | FISH | freshwater | G5  | 200412 |
| 482  | Northern pipefish       | Syngnathus fuscus         | FISH | e_resident |     | 0      |
| 151  | Northern puffer         | Sphoeroides maculatus     | FISH | e_nursery  |     | 0      |
| 960  | Northern rockfish       | Sebastes polyspinis       | FISH | m_benthic  |     | 0      |
| 483  | Northern searobin       | Prionotus carolinus       | FISH | m_benthic  |     | 0      |
| 208  | Northern squawfish      | Ptychocheilus oregonensis | FISH | freshwater | G5  | 200412 |
| 1090 | Northern stargazer      | Astroscopus guttatus      | FISH | m_benthic  | GNR | 200612 |
| 968  | Nurse shark             | Ginglymostoma cirratum    | FISH | m_pelagic  |     | 0      |
| 1004 | Nursery fish            |                           | FISH | e_nursery  |     | 0      |
| 484  | Ocean pout              | Macrozoarces americanus   | FISH | m_benthic  |     | 0      |
| 720  | Ocean surgeon           | Acanthurus bahianus       | FISH | fish       |     | 0      |
| 903  | Ocean triggerfish       | Canthidermis sufflamen    | FISH | m_pelagic  |     | 0      |
| 793  | Oceanic puffer          | Lagocephalus lagocephalus | FISH | m_pelagic  |     | 0      |
| 403  | Oceanic whitetip shark  | Carcharhinus longimanus   | FISH | m_pelagic  |     | 0      |
| 938  | Ocellate damselfish     | Pomacentrus vaiuli        | FISH | fish       |     | 0      |
| 1102 | Ocellated flounder      | Ancylopsetta ommata       | FISH | m_benthic  | G5  | 200704 |
| 1076 | Olive rockfish          | Sebastes serranoides      | FISH | m_benthic  |     | 0      |
| 622  | 'O'opu akupa (goby)     | Eleotris sandwicensis     | FISH | diadromous | G3  | 200412 |
| 623  | 'O'opu alamo'o (goby)   | Lentipes concolor         | FISH | diadromous | G3  | 200412 |
| 624  | 'O'opu nakea (goby)     | Awaous guamensis          | FISH | diadromous | G4  | 200412 |
| 625  | 'O'opu naniha (goby)    | Stenogobius hawaiiensis   | FISH | diadromous | G3  | 200412 |

|      |                              |                           |      |            |     |        |
|------|------------------------------|---------------------------|------|------------|-----|--------|
| 626  | 'O'opu nopili (goby)         | Sicyopterus stimpsoni     | FISH | diadromous | G2? | 200412 |
| 267  | Opaleye                      | Girella nigricans         | FISH | m_benthic  |     | 0      |
| 678  | Orangeband surgeonfish       | Acanthurus olivaceus      | FISH | m_benthic  |     | 0      |
| 910  | Orange-lined triggerfish     | Balistapus undulatus      | FISH | fish       |     | 0      |
| 398  | Orangeside triggerfish       | Sufflamen verres          | FISH | m_benthic  |     | 0      |
| 664  | Orangespine unicornfish      | Naso lituratus            | FISH | m_benthic  |     | 0      |
| 468  | Orangespotted sunfish        | Lepomis humilis           | FISH | freshwater | G5  | 200412 |
| 663  | Ornate butterflyfish         | Chaetodon ornatissimus    | FISH | m_benthic  |     | 0      |
| 955  | Ornate wrasse                | Halichoeres ornatissimus  | FISH | fish       |     | 0      |
| 970  | Oscar                        | Astronotus ocellatus      | FISH | freshwater | G5  | 200412 |
| 485  | Oyster toadfish              | Opsanus tau               | FISH | e_resident |     | 0      |
| 769  | Pacific bumper               | Chloroscombrus orqueta    | FISH | m_pelagic  |     | 0      |
| 1085 | Pacific chub mackerel        | Scomber japonicus         | FISH | m_pelagic  | GNR | 200603 |
| 19   | Pacific cod                  | Gadus macrocephalus       | FISH | m_benthic  |     | 0      |
| 782  | Pacific cornetfish           | Fistularia corneta        | FISH | e_resident |     | 0      |
| 402  | Pacific crevalle jack        | Caranx caninus            | FISH | m_pelagic  |     | 0      |
| 773  | Pacific fat sleeper          | Dormitator latifrons      | FISH | e_resident |     | 0      |
| 778  | Pacific flagfin mojarra      | Eucinostomus currani      | FISH | e_resident |     | 0      |
| 413  | Pacific foureyed fish        | Anableps dovii            | FISH | e_resident |     | 0      |
| 665  | Pacific gregory              | Stegastes fasciolatus     | FISH | m_benthic  |     | 0      |
| 20   | Pacific hake                 | Merluccius productus      | FISH | m_benthic  |     | 0      |
| 7    | Pacific halibut              | Hippoglossus stenolepis   | FISH | m_benthic  |     | 0      |
| 819  | Pacific harvestfish          | Peprilus medius           | FISH | e_resident |     | 0      |
| 66   | Pacific herring              | Clupea pallasii pallasii  | FISH | e_nursery  |     | 0      |
| 804  | Pacific kingcroaker          | Menticirrhus elongatus    | FISH | m_pelagic  |     | 0      |
| 219  | Pacific lamprey              | Lampetra tridentata       | FISH | diadromous | G5  | 200412 |
| 24   | Pacific ocean perch          | Sebastes alutus           | FISH | m_benthic  |     | 0      |
| 802  | Pacific red snapper          | Lutjanus peru             | FISH | m_pelagic  |     | 0      |
| 80   | Pacific sand lance           | Ammodytes hexapterus      | FISH | m_benthic  |     | 0      |
| 3    | Pacific sanddab              | Citharichthys sordidus    | FISH | m_benthic  |     | 0      |
| 1086 | Pacific sardine              | Sardinops sagax           | FISH | m_pelagic  | GNR | 200603 |
| 513  | Pacific seahorse             | Hippocampus ingens        | FISH | m_benthic  |     | 0      |
| 545  | Pacific sharpnose shark      | Rhizoprionodon longurio   | FISH | m_pelagic  |     | 0      |
| 406  | Pacific sierra               | Scomberomorus sierra      | FISH | m_pelagic  |     | 0      |
| 810  | Pacific smalleye croaker     | Nebris occidentalis       | FISH | m_pelagic  |     | 0      |
| 394  | Pacific snake eel            | Ophichthus triserialis    | FISH | m_benthic  |     | 0      |
| 588  | Pacific spadefish            | Chaetodipeterus zonatus   | FISH | m_pelagic  |     | 0      |
| 827  | Pacific spotted scorpionfish | Scorpaena plumieri mystes | FISH | m_pelagic  |     | 0      |
| 51   | Pacific staghorn sculpin     | Leptocottus armatus       | FISH | e_nursery  |     | 0      |
| 21   | Pacific tomcod               | Microgadus proximus       | FISH | m_benthic  |     | 0      |
| 277  | Paddlefish                   | Polyodon spathula         | FISH | freshwater | G4  | 200412 |

|      |                        |                             |      |            |    |        |
|------|------------------------|-----------------------------|------|------------|----|--------|
| 920  | Paletail chromis       | Chromis xanthurus           | FISH | fish       |    | 0      |
| 838  | Paloma pompano         | Trachinotus paitensis       | FISH | m_pelagic  |    | 0      |
| 876  | Palometa               | Trachinotus goodei          | FISH | m_pelagic  |    | 0      |
| 812  | Panama longfin herring | Odontognathus panamensis    | FISH | e_resident |    | 0      |
| 610  | Panama spadefish       | Parapsetus panamensis       | FISH | m_benthic  |    | 0      |
| 444  | Panamanian grunt       | Pomadasyus panamensis       | FISH | m_benthic  |    | 0      |
| 390  | Panamic green moray    | Gymnothorax castaneus       | FISH | m_benthic  |    | 0      |
| 383  | Panamic sergeant major | Abudefduf troschelii        | FISH | m_benthic  |    | 0      |
| 809  | Panamic soldierfish    | Myripristis leiognathos     | FISH | m_pelagic  |    | 0      |
| 716  | Parrotfish             | Scarus spp.                 | FISH | fish       |    | 0      |
| 718  | Parrotfish             | Sparisoma spp.              | FISH | fish       |    | 0      |
| 1007 | Parrotfishes           | Scaridae                    | FISH | m_benthic  |    | 0      |
| 505  | Peacock bass           | Cichla ocellaris            | FISH | freshwater |    | 0      |
| 912  | Peacock hind           | Cephalopholis argus         | FISH | fish       |    | 0      |
| 209  | Peamouth               | Mylocheilus caurinus        | FISH | freshwater | G5 | 200412 |
| 336  | Pearl darter           | Percina aurora              | FISH | freshwater | G1 | 200412 |
| 361  | Pearly razorfish       | Hemipteronotus novacula     | FISH | m_pelagic  |    | 0      |
| 1003 | Pelagic fish           |                             | FISH | m_pelagic  |    | 0      |
| 848  | Pelagic thresher       | Alopias pelagicus           | FISH | m_pelagic  |    | 0      |
| 61   | Penpoint gunnel        | Apodichthys flavidus        | FISH | m_benthic  |    | 0      |
| 1069 | Perches                | Percidae                    | FISH | m_pelagic  |    | 0      |
| 709  | Permit                 | Trachinotus spp.            | FISH | fish       |    | 0      |
| 303  | Permit                 | Trachinotus falcatus        | FISH | m_benthic  |    | 0      |
| 446  | Peruvian mojarra       | Diapterus peruvianus        | FISH | e_nursery  |    | 0      |
| 829  | Peruvian moonfish      | Selene peruviana            | FISH | m_pelagic  |    | 0      |
| 5    | Petrale sole           | Eopsetta jordani            | FISH | m_benthic  |    | 0      |
| 120  | Pigfish                | Orthopristis chrysoptera    | FISH | e_nursery  |    | 0      |
| 853  | Pike killifish         | Belonesox belizanus         | FISH | e_resident |    | 0      |
| 758  | Pilchard               | Sardina sp.                 | FISH | fish       |    | 0      |
| 59   | Pile perch             | Rhacochilus vacca           | FISH | m_pelagic  |    | 0      |
| 117  | Pinfish                | Lagodon rhomboides          | FISH | e_nursery  |    | 0      |
| 765  | Pink brotula           | Brotula clarkae             | FISH | m_pelagic  |    | 0      |
| 70   | Pink salmon            | Oncorhynchus gorbuscha      | FISH | diadromous | G5 | 200412 |
| 633  | Pink snapper           | Pristipomoides filamentosus | FISH | m_pelagic  |    | 0      |
| 933  | Pinktail triggerfish   | Melichthys vidua            | FISH | fish       |    | 0      |
| 379  | Pipefish               | Syngnathus spp.             | FISH | e_resident |    | 0      |
| 469  | Pirate perch           | Aphredoderus sayanus        | FISH | freshwater | G5 | 200412 |
| 18   | Plainfin midshipman    | Porichthys notatus          | FISH | e_nursery  |    | 0      |
| 154  | Pollock                | Pollachius virens           | FISH | m_benthic  |    | 0      |
| 387  | Porcupinefish          | Diodon hystrix              | FISH | m_benthic  |    | 0      |
| 1048 | Porcupinefishes        | Diodontidae                 | FISH | m_benthic  |    | 0      |

|      |                           |                              |      |            |    |        |
|------|---------------------------|------------------------------|------|------------|----|--------|
| 1018 | Porgies                   |                              | FISH | e_nursery  |    | 0      |
| 1062 | Porgies                   |                              | FISH | fish       |    | 0      |
| 734  | Porkfish                  | Anisotremus virginicus       | FISH | fish       |    | 0      |
| 442  | Porthole livebearer       | Poeciliopsis gracilis        | FISH | e_resident |    | 0      |
| 666  | Potter's angelfish        | Centropyge potteri           | FISH | m_benthic  |    | 0      |
| 227  | Prickly sculpin           | Cottus asper                 | FISH | freshwater | G5 | 200412 |
| 1032 | Puffers                   | Tetraodontidae               | FISH | m_benthic  |    | 0      |
| 27   | Puget Sound rockfish      | Sebastes emphaeus            | FISH | m_benthic  |    | 0      |
| 212  | Pumpkinseed               | Lepomis gibbosus             | FISH | freshwater | G5 | 200412 |
| 730  | Pygmy filefish            | Monacanthus setifer          | FISH | fish       |    | 0      |
| 230  | Pygmy whitefish           | Prosopium coulteri           | FISH | freshwater | G5 | 200412 |
| 726  | Queen angelfish           | Holacanthus ciliaris         | FISH | fish       |    | 0      |
| 823  | Queen parrotfish          | Scarus vetula                | FISH | m_pelagic  |    | 0      |
| 904  | Queen snapper             | Etelis oculatus              | FISH | m_pelagic  |    | 0      |
| 762  | Queen triggerfish         | Balistes vetula              | FISH | m_pelagic  |    | 0      |
| 616  | Quillback                 | Carpiodes cyprinus           | FISH | freshwater | G5 | 200412 |
| 64   | Quillback rockfish        | Sebastes maliger             | FISH | m_benthic  |    | 0      |
| 957  | Rabbitfishes              | Siganus spp.                 | FISH | m_benthic  |    | 0      |
| 755  | Rainbow parrotfish        | Scarus guacamaia             | FISH | fish       |    | 0      |
| 272  | Rainbow runner            | Elagatis bipinnulata         | FISH | m_pelagic  |    | 0      |
| 529  | Rainbow sardine           | Dussumieria acuta            | FISH | m_pelagic  |    | 0      |
| 895  | Rainbow seaperch          | Hypsurus caryi               | FISH | m_pelagic  |    | 0      |
| 84   | Rainbow smelt             | Osmerus mordax               | FISH | freshwater | G5 | 200412 |
| 74   | Rainbow trout             | Oncorhynchus mykiss          | FISH | diadromous | G5 | 200412 |
| 962  | Rainbow trout (summer)    | Oncorhynchus mykiss (summer) | FISH | diadromous |    | 0      |
| 963  | Rainbow trout (winter)    | Oncorhynchus mykiss (winter) | FISH | diadromous |    | 0      |
| 299  | Rainwater killifish       | Lucania parva                | FISH | e_nursery  | G5 | 200412 |
| 365  | Rare fish                 |                              | FISH | fish       |    | 0      |
| 1015 | Rays                      |                              | FISH | m_benthic  |    | 0      |
| 109  | Red drum                  | Sciaenops ocellatus          | FISH | e_nursery  |    | 0      |
| 776  | Red grouper               | Epinephelus morio            | FISH | m_pelagic  |    | 0      |
| 155  | Red hake                  | Urophycis chuss              | FISH | m_benthic  |    | 0      |
| 509  | Red hind                  | Epinephelus guttatus         | FISH | m_benthic  |    | 0      |
| 50   | Red Irish lord            | Hemilepidotus hemilepidotus  | FISH | m_benthic  |    | 0      |
| 355  | Red porgy                 | Pagrus pagrus                | FISH | e_nursery  |    | 0      |
| 609  | Red sea catfish           | Bagre pinnimaculatus         | FISH | e_resident |    | 0      |
| 276  | Red shiner                | Cyprinella lutrensis         | FISH | freshwater | G5 | 200412 |
| 305  | Red snapper               | Lutjanus campechanus         | FISH | m_benthic  |    | 0      |
| 756  | Redband parrotfish        | Sparisoma aurofrenatum       | FISH | fish       |    | 0      |
| 34   | Redbanded rockfish (flag) | Sebastes babcocki            | FISH | m_benthic  |    | 0      |
| 985  | Redbreast sunfish         | Lepomis auritus              | FISH | freshwater | G5 | 200412 |



|      |                             |                             |      |            |      |        |
|------|-----------------------------|-----------------------------|------|------------|------|--------|
| 668  | Redbreast wrasse            | Cheilinus unifasciatus      | FISH | m_benthic  |      | 0      |
| 204  | Redear sunfish              | Lepomis microlophus         | FISH | freshwater | G5   | 200412 |
| 999  | Redfin pickerel             | Esox americanus americanus  | FISH | freshwater | G5T5 | 200507 |
| 242  | Redfin shiner               | Lythrurus umbratilis        | FISH | freshwater | G5   | 200412 |
| 750  | Redlip blenny               | Ophioblennius atlanticus    | FISH | fish       |      | 0      |
| 927  | Redlip cleaner wrasse       | Labroides rubrolabiatus     | FISH | fish       |      | 0      |
| 548  | Red-speckled blenny         | Parablennius sanguinolentus | FISH | m_benthic  |      | 0      |
| 39   | Redstripe rockfish          | Sebastes proriger           | FISH | m_benthic  |      | 0      |
| 54   | Redtail surfperch           | Amphistichus rhodoterus     | FISH | m_pelagic  |      | 0      |
| 651  | Redtail surgeonfish         | Acanthurus achilles         | FISH | m_benthic  |      | 0      |
| 1002 | Reef fish                   |                             | FISH | m_benthic  |      | 0      |
| 744  | Reef squirrelfish           | Holocentrus coruscus        | FISH | fish       |      | 0      |
| 667  | Regal parrotfish            | Scarus dubius               | FISH | m_benthic  |      | 0      |
| 1070 | Requiem sharks              | Carcharhinidae              | FISH | m_pelagic  |      | 0      |
| 1005 | Reservoir fish              |                             | FISH | freshwater |      | 0      |
| 6    | Rex sole                    | Glyptocephalus zachirus     | FISH | m_benthic  |      | 0      |
| 988  | Ribbed sculpin              | Triglops pingelii           | FISH | m_benthic  |      | 0      |
| 617  | River carpsucker            | Carpionodes carpio          | FISH | freshwater | G5   | 200412 |
| 341  | River goby                  | Awaous tajasica             | FISH | e_nursery  |      | 0      |
| 229  | River redhorse              | Moxostoma carinatum         | FISH | freshwater | G4   | 200412 |
| 178  | Rock bass                   | Ambloplites rupestris       | FISH | freshwater | G5   | 200412 |
| 727  | Rock beauty                 | Holacanthus tricolor        | FISH | fish       |      | 0      |
| 552  | Rock goby                   | Gobius paganelus            | FISH | m_benthic  |      | 0      |
| 47   | Rock greenling              | Hexagrammos lagocephalus    | FISH | m_benthic  |      | 0      |
| 199  | Rock gunnel                 | Pholis gunnellus            | FISH | m_benthic  |      | 0      |
| 775  | Rock hind                   | Epinephelus adscensionis    | FISH | m_pelagic  |      | 0      |
| 308  | Rock sea bass               | Centropristis philadelphica | FISH | m_benthic  |      | 0      |
| 9    | Rock sole                   | Lepidopsetta bilineata      | FISH | m_benthic  |      | 0      |
| 223  | Rockfish                    | Sebastes spp.               | FISH | m_benthic  |      | 0      |
| 774  | Rooster hind                | Epinephelus acanthistius    | FISH | m_pelagic  |      | 0      |
| 304  | Rough scad                  | Trachurus lathami           | FISH | m_pelagic  |      | 0      |
| 301  | Rough silverside            | Membras martinica           | FISH | e_resident |      | 0      |
| 989  | Roughback sculpin           | Chitonotus pugetensis       | FISH | m_benthic  |      | 0      |
| 35   | Rougheye rockfish           | Sebastes aleutianus         | FISH | m_benthic  |      | 0      |
| 878  | Roughneck grunt             | Pomadasys corvinaeformis    | FISH | fish       |      | 0      |
| 614  | Roughtail stingray          | Dasyatis centroura          | FISH | e_resident |      | 0      |
| 844  | Round ray                   | Urotrygon sp.               | FISH | m_pelagic  |      | 0      |
| 347  | Round scad                  | Decapterus punctatus        | FISH | m_pelagic  |      | 0      |
| 238  | Round whitefish (menomonee) | Prosopium cylindraceum      | FISH | freshwater | G5   | 200412 |
| 899  | Rubberlip seaperch          | Rhacochilus toxotes         | FISH | m_pelagic  |      | 0      |
| 1037 | Rudderfishes                | Kyphosus spp.               | FISH | m_benthic  |      | 0      |

|      |                      |                                     |      |            |      |        |
|------|----------------------|-------------------------------------|------|------------|------|--------|
| 250  | Ruffe                | <i>Gymnocephalus cernuus</i>        | FISH | freshwater |      | 0      |
| 981  | S?balo pipon         | <i>Brycon chagrensis</i>            | FISH | freshwater |      | 0      |
| 1    | Sablefish (blackcod) | <i>Anoplopoma fimbria</i>           | FISH | m_benthic  |      | 0      |
| 476  | Sacramento perch     | <i>Archoplites interruptus</i>      | FISH | freshwater | G3   | 200412 |
| 474  | Sacramento splittail | <i>Pogonichthys macrolepidotus</i>  | FISH | freshwater | G2   | 200412 |
| 642  | Saddle wrasse        | <i>Thalassoma duperrey</i>          | FISH | m_benthic  |      | 0      |
| 62   | Saddleback gunnel    | <i>Pholis ornata</i>                | FISH | m_benthic  |      | 0      |
| 699  | Saffron cod          | <i>Eleqinus gracilis</i>            | FISH | m_benthic  |      | 0      |
| 300  | Sailfin molly        | <i>Poecilia latipinna</i>           | FISH | e_nursery  | G5   | 200412 |
| 712  | Sailfish             | <i>Istiophorus spp.</i>             | FISH | fish       |      | 0      |
| 83   | Salmon               |                                     | FISH | diadromous |      | 0      |
| 298  | Saltmarsh topminnow  | <i>Fundulus jenkinsi</i>            | FISH | e_resident |      | 0      |
| 888  | Sand diver           | <i>Synodus intermedius</i>          | FISH | fish       |      | 0      |
| 889  | Sand drum            | <i>Umbrina coroides</i>             | FISH | fish       |      | 0      |
| 817  | Sand grunt           | <i>Pomadasyd branickii</i>          | FISH | m_pelagic  |      | 0      |
| 360  | Sand perch           | <i>Diplectrum formosum</i>          | FISH | m_benthic  |      | 0      |
| 220  | Sand roller          | <i>Percopsis transmontana</i>       | FISH | freshwater | G4   | 200412 |
| 215  | Sand seatrout        | <i>Cynoscion arenarius</i>          | FISH | e_nursery  |      | 0      |
| 15   | Sand sole            | <i>Psettichthys melanostictus</i>   | FISH | m_benthic  |      | 0      |
| 1107 | Sand tiger           | <i>Carcharias taurus</i>            | FISH | m_pelagic  | G3G4 | 200704 |
| 967  | Sandbar shark        | <i>Carcharhinus plumbeus</i>        | FISH | m_pelagic  |      | 0      |
| 96   | Sanddab              | <i>Citharichthys sp.</i>            | FISH | m_benthic  |      | 0      |
| 921  | Sapphire devil       | <i>Chrysiptera cyanea</i>           | FISH | fish       |      | 0      |
| 1060 | Sardines             |                                     | FISH | fish       |      | 0      |
| 187  | Sauger               | <i>Stizostedion canadense</i>       | FISH | freshwater | G5   | 200412 |
| 1049 | Scads                |                                     | FISH | m_pelagic  |      | 0      |
| 130  | Scaled sardine       | <i>Harengula jaguana</i>            | FISH | e_nursery  |      | 0      |
| 438  | Scalloped hammerhead | <i>Sphyrna lewini</i>               | FISH | m_pelagic  |      | 0      |
| 604  | Scalyfin corvina     | <i>Cynoscion squamipinnis</i>       | FISH | m_pelagic  |      | 0      |
| 354  | Scamp                | <i>Mycteroperca phenax</i>          | FISH | m_benthic  |      | 0      |
| 972  | Schoolmaster         | <i>Lutjanus apodus</i>              | FISH | m_benthic  |      | 0      |
| 1045 | Scorpionfishes       |                                     | FISH | m_benthic  |      | 0      |
| 872  | Scrawled cowfish     | <i>Acanthostracion quadricornis</i> | FISH | fish       |      | 0      |
| 733  | Scrawled filefish    | <i>Aluterus scriptus</i>            | FISH | fish       |      | 0      |
| 567  | Sculpin              | Cottidae                            | FISH | m_benthic  |      | 0      |
| 150  | Scup (porgy)         | <i>Stenotomus chrysops</i>          | FISH | e_nursery  |      | 0      |
| 207  | Sea catfish          | <i>Galeichthyes felis</i>           | FISH | e_nursery  |      | 0      |
| 500  | Sea lamprey          | <i>Petromyzon marinus</i>           | FISH | diadromous | G5   | 200412 |
| 565  | Seabass              |                                     | FISH | m_benthic  |      | 0      |
| 851  | Seabream             | <i>Archosargus rhomboidalis</i>     | FISH | fish       |      | 0      |
| 536  | Seahorse             | <i>Hippocampus hippocampus</i>      | FISH | m_benthic  |      | 0      |

|      |                                   |                              |      |            |    |        |
|------|-----------------------------------|------------------------------|------|------------|----|--------|
| 281  | Seatrout                          | Cynoscion sp.                | FISH | e_nursery  |    | 0      |
| 497  | Sergeant major                    | Abudefduf saxatilis          | FISH | m_benthic  |    | 0      |
| 706  | Shark                             | Carcharhinus spp.            | FISH | fish       |    | 0      |
| 331  | Sharks                            |                              | FISH | m_pelagic  |    | 0      |
| 399  | Sharpnose lizardfish              | Synodus scituliceps          | FISH | m_benthic  |    | 0      |
| 637  | Sharpnose mullet                  | Neomyxus leuciscus           | FISH | m_pelagic  |    | 0      |
| 806  | Sharptoothed smooth-hound         | Mustelus dorsalis            | FISH | m_pelagic  |    | 0      |
| 698  | Sheefish                          | Stendous leucichthys nelma   | FISH | diadromous |    | 0      |
| 137  | Sheepshead                        | Archosargus probatocephalus  | FISH | e_nursery  |    | 0      |
| 274  | Sheepshead minnow                 | Cyprinodon variegatus        | FISH | e_resident | G5 | 200412 |
| 1103 | Shelf flounder                    | Etropus cyclosquamus         | FISH | m_benthic  | G4 | 200704 |
| 56   | Shiner perch                      | Cymatogaster aggregata       | FISH | m_benthic  | G5 | 200412 |
| 291  | Shiners                           | Notropis spp.                | FISH | freshwater |    | 0      |
| 796  | Shining drum                      | Larimus effulgens            | FISH | m_pelagic  |    | 0      |
| 786  | Shining grunt                     | Pomadasys nitidus            | FISH | m_pelagic  |    | 0      |
| 263  | Shortfin corvina                  | Cynoscion parvipinnis        | FISH | e_nursery  |    | 0      |
| 771  | Shortfin scad                     | Decapterus macrosoma         | FISH | m_pelagic  |    | 0      |
| 728  | Shorthead drum                    | Larimus breviceps            | FISH | fish       |    | 0      |
| 191  | Shorthead redhorse                | Moxostoma macrolepidotum     | FISH | freshwater | G5 | 200412 |
| 486  | Shorthorn sculpin                 | Myoxocephalus scorpius       | FISH | m_benthic  |    | 0      |
| 619  | Shortnose gar                     | Lepisosteus platostomus      | FISH | freshwater | G5 | 200412 |
| 101  | Shortnose sturgeon                | Acipenser brevirostrum       | FISH | diadromous | G3 | 200412 |
| 959  | Shorttraker rockfish              | Sebastes borealis            | FISH | m_benthic  |    | 0      |
| 647  | Shovelnose sturgeon               | Scaphirhynchus platyrhynchus | FISH | freshwater | G4 | 200412 |
| 519  | Silk snapper                      | Lutjanus vivanus             | FISH | m_benthic  |    | 0      |
| 439  | Silky shark                       | Carcharhinus falciformis     | FISH | m_pelagic  |    | 0      |
| 649  | Silver carp                       | Hypophthalmichthys molitrix  | FISH | freshwater |    | 0      |
| 795  | Silver drum                       | Larimus argenteus            | FISH | m_pelagic  |    | 0      |
| 148  | Silver hake                       | Merluccius bilinearis        | FISH | m_benthic  |    | 0      |
| 373  | Silver jenny                      | Eucinostomus gula            | FISH | m_benthic  |    | 0      |
| 119  | Silver perch                      | Bairdiella chrysoura         | FISH | e_resident |    | 0      |
| 245  | Silver redhorse                   | Moxostoma anisurum           | FISH | freshwater | G5 | 200412 |
| 268  | Silver seatrout                   | Cynoscion nothus             | FISH | e_nursery  |    | 0      |
| 539  | Silver sillago / whiting          | Sillago sinama               | FISH | m_benthic  |    | 0      |
| 833  | Silver stardrum                   | Stellifer illecebrosus       | FISH | m_pelagic  |    | 0      |
| 195  | Silver surfperch                  | Hyperprosopon ellipticum     | FISH | m_pelagic  |    | 0      |
| 790  | Silver weakfish                   | Isopisthus remifer           | FISH | m_pelagic  |    | 0      |
| 25   | Silvergray rockfish (short spine) | Sebastes brevispinis         | FISH | m_benthic  |    | 0      |
| 1094 | Silverside shiner                 | Notropis candidus            | FISH | freshwater | G4 | 200703 |
| 335  | Silversides                       |                              | FISH | e_resident |    | 0      |
| 524  | Sirajo goby (seti)                | Sicydium plumieri            | FISH | diadromous |    | 0      |

|      |                        |                          |      |            |     |        |
|------|------------------------|--------------------------|------|------------|-----|--------|
| 992  | Sixgill shark          | Hexanchus griseus        | FISH | m_pelagic  |     | 0      |
| 487  | Skates                 | Raja spp.                | FISH | m_benthic  |     | 0      |
| 1016 | Skates                 |                          | FISH | m_benthic  |     | 0      |
| 1098 | Skilletfish            | Gobiesox strumosus       | FISH | m_benthic  | G5  | 200704 |
| 289  | Skipjack herring       | Alosa chrysochloris      | FISH | diadromous | G5  | 200412 |
| 792  | Skipjack tuna          | Katsuwonus pelamis       | FISH | m_pelagic  |     | 0      |
| 669  | Sleek unicornfish      | Naso hexacanthus         | FISH | m_benthic  |     | 0      |
| 714  | Sleeper                | Dormitator spp.          | FISH | fish       |     | 0      |
| 863  | Slender halfbeak       | Hyporhamphus roberti     | FISH | fish       |     | 0      |
| 17   | Slender sole           | Lyopsetta exilis         | FISH | m_benthic  |     | 0      |
| 351  | Slippery dick          | Halichoeres bivittatus   | FISH | m_benthic  |     | 0      |
| 180  | Smallmouth bass        | Micropterus dolomieu     | FISH | freshwater | G5  | 200412 |
| 470  | Smallmouth buffalo     | Ictiobus bubalus         | FISH | freshwater | G5  | 200412 |
| 1091 | Smallmouth flounder    | Etropus microstomus      | FISH | m_benthic  | GNR | 200612 |
| 973  | Smallmouth grunt       | Haemulon chrysargyreum   | FISH | m_pelagic  |     | 0      |
| 441  | Smalltail shark        | Carcharhinus porosus     | FISH | m_pelagic  |     | 0      |
| 928  | Smalltooth emperor     | Lethrinus microdon       | FISH | fish       |     | 0      |
| 996  | Small-toothed whiptail | Pentapodus caninus       | FISH | m_benthic  |     | 0      |
| 1093 | Smooth butterfly ray   | Gymnura micrura          | FISH | m_benthic  |     | 0      |
| 1108 | Smooth dogfish         | Mustelus canis           | FISH | m_benthic  |     | 0      |
| 488  | Smooth flounder        | Pleuronectes putnami     | FISH | e_nursery  |     | 0      |
| 627  | Smooth hammerhead      | Sphyrna zygaena          | FISH | e_nursery  |     | 0      |
| 866  | Smooth puffer          | Lagocephalus laevigatus  | FISH | fish       |     | 0      |
| 342  | Snail bullhead         | Ameiurus brunneus        | FISH | freshwater | G4  | 200412 |
| 990  | Snake prickleback      | Lumpenus sagitta         | FISH | m_benthic  |     | 0      |
| 133  | Snapper                | Lutjanus spp.            | FISH | e_nursery  |     | 0      |
| 1019 | Snappers               | Lutjanidae               | FISH | e_nursery  |     | 0      |
| 508  | Snook                  | Centropomus spp.         | FISH | e_nursery  |     | 0      |
| 71   | Sockeye salmon         | Oncorhynchus nerka       | FISH | diadromous | G5  | 200412 |
| 1051 | Soldierfishes          | Myripristinae            | FISH | m_benthic  |     | 0      |
| 286  | Sole                   |                          | FISH | m_benthic  |     | 0      |
| 111  | Southern flounder      | Paralichthys lethostigma | FISH | e_nursery  |     | 0      |
| 293  | Southern hake          | Urophycis floridana      | FISH | m_benthic  |     | 0      |
| 124  | Southern kingfish      | Menticirrhus americanus  | FISH | e_nursery  |     | 0      |
| 887  | Southern sennet        | Sphyrna picudilla        | FISH | fish       |     | 0      |
| 362  | Southern stingray      | Dasyatis americana       | FISH | m_benthic  |     | 0      |
| 127  | Spanish mackerel       | Scomberomorus maculatus  | FISH | m_pelagic  |     | 0      |
| 139  | Spanish sardine        | Sardinella aurita        | FISH | m_pelagic  |     | 0      |
| 1014 | Speckled sanddab       | Citharichthys stigmaeus  | FISH | m_benthic  |     | 0      |
| 612  | Speckled worm eel      | Myrophis punctatus       | FISH | m_benthic  |     | 0      |
| 670  | Spectacled parrotfish  | Chlorurus perspicillatus | FISH | m_benthic  |     | 0      |

|      |                       |                                   |      |            |    |        |
|------|-----------------------|-----------------------------------|------|------------|----|--------|
| 760  | Spicule anchovy       | Anchoa spinifer                   | FISH | m_pelagic  |    | 0      |
| 316  | Spinner shark         | Carcharhinus brevipinna           | FISH | m_pelagic  |    | 0      |
| 81   | Spiny dogfish         | Squalus acanthias                 | FISH | m_pelagic  |    | 0      |
| 239  | Splake                | Salvelinus namaycush + fontinalis | FISH | freshwater |    | 0      |
| 36   | Splitnose rockfish    | Sebastes diploproa                | FISH | m_benthic  |    | 0      |
| 121  | Spot                  | Leiostomus xanthurus              | FISH | e_nursery  |    | 0      |
| 929  | Spotcheek emperor     | Lethrinus rubrioperculatus        | FISH | fish       |    | 0      |
| 345  | Spotfin butterflyfish | Chaetodon ocellatus               | FISH | m_benthic  |    | 0      |
| 265  | Spotfin croaker       | Roncador stearnsii                | FISH | e_nursery  |    | 0      |
| 309  | Spotfin mojarra       | Eucinostomus argenteus            | FISH | m_benthic  |    | 0      |
| 348  | Spottail pinfish      | Diplodus holbrooki                | FISH | m_benthic  |    | 0      |
| 168  | Spottail shiner       | Notropis hudsonius                | FISH | freshwater | G5 | 200412 |
| 471  | Spotted bass          | Micropterus punctulatus           | FISH | freshwater | G5 | 200412 |
| 431  | Spotted cabrilla      | Epinephelus analogus              | FISH | m_benthic  |    | 0      |
| 870  | Spotted croaker       | Ophioscion punctatissmus          | FISH | fish       |    | 0      |
| 741  | Spotted drum          | Equetus punctatus                 | FISH | fish       |    | 0      |
| 384  | Spotted eagle ray     | Aetobatus narinari                | FISH | m_benthic  |    | 0      |
| 472  | Spotted gar           | Lepisosteus oculatus              | FISH | freshwater | G5 | 200412 |
| 731  | Spotted goatfish      | Pseudupeneus maculatus            | FISH | fish       |    | 0      |
| 294  | Spotted hake          | Urophycis regia                   | FISH | m_benthic  |    | 0      |
| 531  | Spotted halfbeak      | Hemiramphus far                   | FISH | m_pelagic  |    | 0      |
| 530  | Spotted herring       | Herklotsichthys punctatus         | FISH | m_pelagic  |    | 0      |
| 859  | Spotted moray         | Gymnothorax moringa               | FISH | fish       |    | 0      |
| 42   | Spotted ratfish       | Hydrolagus colliei                | FISH | m_benthic  |    | 0      |
| 799  | Spotted rose snapper  | Lutjanus guttatus                 | FISH | m_pelagic  |    | 0      |
| 261  | Spotted sand bass     | Paralabrax maculatofasciatus      | FISH | m_benthic  |    | 0      |
| 901  | Spotted scorpionfish  | Scorpaena plumieri plumieri       | FISH | fish       |    | 0      |
| 107  | Spotted seatrout      | Cynoscion nebulosus               | FISH | e_nursery  |    | 0      |
| 618  | Spotted sucker        | Minytrema melanops                | FISH | freshwater | G5 | 200412 |
| 206  | Spotted sunfish       | Lepomis punctatus                 | FISH | freshwater | G5 | 200412 |
| 671  | Spotted unicornfish   | Naso brevirostris                 | FISH | m_benthic  |    | 0      |
| 1043 | Sprats                | Clupeidae                         | FISH | m_pelagic  |    | 0      |
| 1073 | Squarespot rockfish   | Sebastes hopkinsi                 | FISH | m_benthic  |    | 0      |
| 743  | Squirrelfish          | Holocentrus adscensionis          | FISH | fish       |    | 0      |
| 1033 | Squirrelfishes        | Holocentridae                     | FISH | m_benthic  |    | 0      |
| 273  | Star drum             | Stellifer lanceolatus             | FISH | e_nursery  |    | 0      |
| 12   | Starry flounder       | Platichthys stellatus             | FISH | e_nursery  |    | 0      |
| 1021 | Starry rockfish       | Sebastes constellatus             | FISH | m_benthic  |    | 0      |
| 777  | Star-studded grouper  | Epinephelus niphobles             | FISH | m_pelagic  |    | 0      |
| 794  | Steeplined drum       | Larimus acclivis                  | FISH | m_pelagic  |    | 0      |
| 569  | Stingray              | Dasyatis spp.                     | FISH | m_pelagic  |    | 0      |

|      |                          |                            |      |            |     |        |
|------|--------------------------|----------------------------|------|------------|-----|--------|
| 757  | Stoplight parrotfish     | Sparisoma viride           | FISH | fish       |     | 0      |
| 922  | Striated surgeonfish     | Ctenochaetus striatus      | FISH | fish       |     | 0      |
| 682  | Stripebelly puffer       | Arothron hispidus          | FISH | e_nursery  |     | 0      |
| 290  | Striped anchovy          | Anchoa hepsetus            | FISH | m_pelagic  |     | 0      |
| 104  | Striped bass             | Morone saxatilis           | FISH | diadromous | G5  | 200412 |
| 865  | Striped burrfish         | Cylichthys schoepfi        | FISH | fish       |     | 0      |
| 436  | Striped corvina          | Cynoscion reticulatus      | FISH | e_nursery  |     | 0      |
| 1092 | Striped cusk-eel         | Ophidion marginatum        | FISH | m_benthic  | GNR | 200612 |
| 93   | Striped killifish        | Fundulus majalis           | FISH | e_resident |     | 0      |
| 923  | Striped large-eye bream  | Gnathodentex aureolineatus | FISH | fish       |     | 0      |
| 739  | Striped mojarra          | Diapterus plumieri         | FISH | fish       |     | 0      |
| 898  | Striped mojarra          | Eugerres plumieri          | FISH | fish       |     | 0      |
| 116  | Striped mullet           | Mugil cephalus             | FISH | e_nursery  |     | 0      |
| 541  | Striped sea bream        | Lithognathus mormyrus      | FISH | m_benthic  |     | 0      |
| 57   | Striped seaperch         | Embiotoca lateralis        | FISH | m_pelagic  |     | 0      |
| 1109 | Striped searobin         | Prionotus evolans          | FISH | m_benthic  | G5  | 200704 |
| 241  | Striped shiner           | Luxilus chrysocephalus     | FISH | freshwater | G5  | 200412 |
| 108  | Summer flounder          | Paralichthys dentatus      | FISH | e_nursery  |     | 0      |
| 914  | Sunset butterflyfish     | Chaetodon pelewensis       | FISH | fish       |     | 0      |
| 75   | Surf smelt               | Hypomesus pretiosus        | FISH | m_pelagic  |     | 0      |
| 224  | Surfperch                |                            | FISH | m_pelagic  |     | 0      |
| 254  | Surgeonfish              | Acanthurus sp.             | FISH | m_benthic  |     | 0      |
| 1034 | Surgeonfishes            | Acanthuridae               | FISH | m_benthic  |     | 0      |
| 523  | Swordfish                | Xiphias gladius            | FISH | m_pelagic  |     | 0      |
| 736  | Swordspine snook         | Centropomus ensiferus      | FISH | fish       |     | 0      |
| 231  | Tadpole madtom           | Noturus gyrinus            | FISH | freshwater | G5  | 200412 |
| 422  | Tailspot cardinalfish    | Apogon dovii               | FISH | m_benthic  |     | 0      |
| 143  | Tarpon                   | Megalops atlanticus        | FISH | e_nursery  |     | 0      |
| 580  | Tarpon snook             | Centropomus pectinatus     | FISH | m_benthic  |     | 0      |
| 97   | Tautog                   | Tautoga onitis             | FISH | m_benthic  |     | 0      |
| 986  | Tessellated darter       | Etheostoma olmstedi        | FISH | freshwater | G5  | 200412 |
| 380  | Texas pipefish           | Syngnathus affinis         | FISH | e_resident |     | 0      |
| 542  | Thicklip grey mullet     | Chelon labrosus            | FISH | m_pelagic  |     | 0      |
| 696  | Thicklipped jack         | Pseudocaranx dentex        | FISH | m_pelagic  |     | 0      |
| 544  | Thinlip grey mullet      | Liza ramada                | FISH | m_pelagic  |     | 0      |
| 925  | Thompson's butterflyfish | Hemitaenichthys thompsoni  | FISH | fish       |     | 0      |
| 686  | Thornback cowfish        | Lactoria fornasini         | FISH | m_benthic  |     | 0      |
| 708  | Threadfin                | Polydactylus spp.          | FISH | fish       |     | 0      |
| 635  | Threadfin                | Polydactylus sexfilis      | FISH | m_pelagic  |     | 0      |
| 767  | Threadfin jack           | Caranx otrynter            | FISH | m_pelagic  |     | 0      |
| 103  | Threadfin shad           | Dorosoma petenense         | FISH | freshwater | G5  | 200412 |

|      |                          |                              |      |            |     |        |
|------|--------------------------|------------------------------|------|------------|-----|--------|
| 621  | Threatened fish          |                              | FISH | fish       |     | 0      |
| 385  | Threeband butterflyfish  | Chaetodon humeralis          | FISH | m_benthic  |     | 0      |
| 91   | Threespine stickleback   | Gasterosteus aculeatus       | FISH | e_resident | G5  | 200412 |
| 672  | Threespot chromis        | Chromis verater              | FISH | m_benthic  |     | 0      |
| 447  | Threespot cichlid        | Cichlasoma trimaculatum      | FISH | freshwater |     | 0      |
| 52   | Tidepool sculpin         | Oligocottus maculosus        | FISH | m_benthic  |     | 0      |
| 226  | Tidewater goby           | Eucyclogobius newberryi      | FISH | m_benthic  | G3  | 200412 |
| 613  | Tidewater silverside     | Menidia peninsulae           | FISH | e_resident |     | 0      |
| 511  | Tiger grouper            | Mycteroperca tigris          | FISH | m_benthic  |     | 0      |
| 251  | Tiger muskellunge        | Esox masquinongy x lucius    | FISH | freshwater |     | 0      |
| 332  | Tiger shark              | Galeocerdo cuvier            | FISH | m_pelagic  |     | 0      |
| 458  | Tilapia                  | Oreochromis spp.             | FISH | freshwater |     | 0      |
| 507  | Tilapia                  | Tilapia spp.                 | FISH | freshwater |     | 0      |
| 577  | Timuca                   | Strongylura timuca           | FISH | m_pelagic  |     | 0      |
| 426  | Tinsel squirrelfish      | Sargocentron suborbitalis    | FISH | m_benthic  |     | 0      |
| 350  | Tomtate                  | Haemulon aurolineatum        | FISH | m_benthic  |     | 0      |
| 192  | Topsmelt                 | Atherinops affinis           | FISH | m_benthic  |     | 0      |
| 710  | Triggerfish              | Balistes spp.                | FISH | fish       |     | 0      |
| 1035 | Triggerfishes            | Balistidae                   | FISH | m_benthic  |     | 0      |
| 288  | Tripletail               | Lobotes surinamensis         | FISH | m_pelagic  |     | 0      |
| 811  | Tropical longfin herring | Neopisthopterus tropicus     | FISH | e_resident |     | 0      |
| 232  | Trout perch              | Percopsis omiscomaycus       | FISH | freshwater | G5  | 200412 |
| 1041 | Trumpetfishes            |                              | FISH | m_benthic  |     | 0      |
| 1036 | Trunkfishes              | Molidae                      | FISH | m_benthic  |     | 0      |
| 711  | Tuna                     | Thunnus spp.                 | FISH | fish       |     | 0      |
| 566  | Tunas                    |                              | FISH | m_pelagic  |     | 0      |
| 958  | Unicornfishes            | Naso spp.                    | FISH | m_benthic  |     | 0      |
| 582  | Venezuelan grouper       | Mycteroperca cidi            | FISH | m_pelagic  |     | 0      |
| 424  | Vermiculate electric ray | Narcine vermiculatus         | FISH | m_benthic  |     | 0      |
| 1072 | Vermilion rockfish       | Sebastes miniatus            | FISH | m_benthic  | GNR | 200509 |
| 883  | Vermillion snapper       | Rhomboplites aurorubens      | FISH | fish       |     | 0      |
| 615  | Violet goby              | Gobioides broussoneti        | FISH | e_resident |     | 0      |
| 638  | Wahoo                    | Acanthocybium solandri       | FISH | m_pelagic  |     | 0      |
| 931  | Waite's splitfin         | Luzonichthys waitei          | FISH | fish       |     | 0      |
| 188  | Walleye                  | Stizostedion vitreum vitreum | FISH | freshwater |     | 0      |
| 22   | Walleye pollock          | Theragra chalcogramma        | FISH | m_benthic  |     | 0      |
| 58   | Walleye surfperch        | Hyperprosopon argenteum      | FISH | m_pelagic  |     | 0      |
| 203  | Warmouth                 | Lepomis gulosus              | FISH | freshwater | G5  | 200412 |
| 138  | Weakfish                 | Cynoscion regalis            | FISH | e_nursery  |     | 0      |
| 715  | Whale shark              | Rhincodon typus              | FISH | fish       |     | 0      |
| 190  | White bass               | Morone chrysops              | FISH | freshwater | G5  | 200412 |

|      |                          |                               |      |            |     |        |
|------|--------------------------|-------------------------------|------|------------|-----|--------|
| 506  | White catfish            | Ameiurus catus                | FISH | freshwater | G5  | 200412 |
| 202  | White crappie            | Pomoxis annularis             | FISH | freshwater | G5  | 200412 |
| 494  | White croaker            | Genyonemus lineatus           | FISH | e_nursery  |     | 0      |
| 520  | White grunt              | Haemulon plumieri             | FISH | e_nursery  |     | 0      |
| 785  | White grunt              | Haemulopsis leuciscus         | FISH | m_pelagic  |     | 0      |
| 90   | White hake               | Urophycis tenuis              | FISH | m_benthic  |     | 0      |
| 173  | White mullet             | Mugil curema                  | FISH | e_nursery  |     | 0      |
| 145  | White perch              | Morone americana              | FISH | e_nursery  | G5  | 200412 |
| 540  | White sea bream          | Diplodus sargus               | FISH | m_benthic  |     | 0      |
| 79   | White seabass            | Atractoscion nobilis          | FISH | m_pelagic  |     | 0      |
| 60   | White seaperch           | Phanerodon furcatus           | FISH | e_resident |     | 0      |
| 1087 | White shark              | Carcharodon carcharias        | FISH | m_pelagic  | GNR | 200603 |
| 832  | White stardrum           | Stellifer furthii             | FISH | m_pelagic  |     | 0      |
| 43   | White sturgeon           | Acipenser transmontanus       | FISH | diadromous | G4  | 200412 |
| 175  | White sucker             | Catostomus commersoni         | FISH | freshwater | G5  | 200412 |
| 673  | White ulua               | Carangoides ajax              | FISH | m_benthic  |     | 0      |
| 194  | Whitebait smelt          | Allosmerus elongatus          | FISH | m_pelagic  |     | 0      |
| 674  | Whitebar surgeonfish     | Acanthurus leucopareius       | FISH | m_benthic  |     | 0      |
| 908  | Whitecheek surgeonfish   | Acanthurus nigricans          | FISH | fish       |     | 0      |
| 606  | Whitfin weakfish         | Cynoscion albus               | FISH | m_pelagic  |     | 0      |
| 697  | Whitefish                |                               | FISH | diadromous |     | 0      |
| 867  | Whitemouth croaker       | Micropogonias furnieri        | FISH | fish       |     | 0      |
| 440  | Whitnose shark           | Nasolamia velox               | FISH | m_pelagic  |     | 0      |
| 936  | Whitespotted devil       | Plectroglyphidodon lacrymatus | FISH | fish       |     | 0      |
| 766  | Whitespotted filefish    | Cantherhines dumerili         | FISH | e_resident |     | 0      |
| 48   | Whitespotted greenling   | Hexagrammos stelleri          | FISH | m_benthic  |     | 0      |
| 675  | Whitespotted surgeonfish | Acanthurus guttatus           | FISH | m_benthic  |     | 0      |
| 676  | White-tail damselfish    | Chromis leucurus              | FISH | m_benthic  |     | 0      |
| 646  | Whitetip reef shark      | Triaenodon obesus             | FISH | m_benthic  |     | 0      |
| 556  | Wide-eyed flounder       | Bothus podas                  | FISH | m_benthic  |     | 0      |
| 1082 | Widow rockfish           | Sebastes entomelas            | FISH | m_pelagic  | GNR | 200603 |
| 160  | Windowpane               | Scophthalmus aquosus          | FISH | e_nursery  | G5  | 200612 |
| 88   | Winter flounder          | Pleuronectes americanus       | FISH | e_nursery  |     | 0      |
| 23   | Wolf-eel                 | Anarrhichthys ocellatus       | FISH | m_benthic  |     | 0      |
| 256  | Wrasse                   | Thalassoma sp.                | FISH | m_benthic  |     | 0      |
| 1010 | Wrasses                  | Labridae                      | FISH | m_benthic  |     | 0      |
| 252  | Yellow bass              | Morone mississippiensis       | FISH | freshwater | G5  | 200412 |
| 176  | Yellow bullhead          | Ameiurus natalis              | FISH | freshwater | G5  | 200412 |
| 820  | Yellow herring           | Pliosteostoma lutipinnis      | FISH | e_resident |     | 0      |
| 343  | Yellow jack              | Caranx bartholomaei           | FISH | e_nursery  |     | 0      |
| 152  | Yellow perch             | Perca flavescens              | FISH | freshwater | G5  | 200412 |



|      |  |  |         |            |   |
|------|--|--|---------|------------|---|
| 643  | Yellow tang                            | <i>Zebrasoma flavescens</i>            | FISH    | m_benthic  | 0 |
| 944  | Yellow-brown wrasse                    | <i>Thalassoma lutescens</i>            | FISH    | fish       | 0 |
| 31   | Yelloweye rockfish                     | <i>Sebastes ruberrimus</i>             | FISH    | m_benthic  | 0 |
| 434  | Yellowfin corvina                      | <i>Cynoscion stolozmanni</i>           | FISH    | e_nursery  | 0 |
| 264  | Yellowfin croaker                      | <i>Umbrina roncadore</i>               | FISH    | e_nursery  | 0 |
| 1054 | Yellowfin goatfish                     | <i>Mulloidichthys vanicolensis</i>     | FISH    | m_benthic  | 0 |
| 510  | Yellowfin grouper                      | <i>Mycteroperca venenosa</i>           | FISH    | m_benthic  | 0 |
| 787  | Yellowfin jack                         | <i>Hemicaranx leucurus</i>             | FISH    | m_pelagic  | 0 |
| 368  | Yellowfin menhaden                     | <i>Brevoortia smithi</i>               | FISH    | e_nursery  | 0 |
| 118  | Yellowfin mojarra                      | <i>Gerres cinereus</i>                 | FISH    | m_benthic  | 0 |
| 677  | Yellowfin moray                        | <i>Gymnothorax flavimarginatus</i>     | FISH    | m_benthic  | 0 |
| 411  | Yellowfin snook                        | <i>Centropomus robalito</i>            | FISH    | e_nursery  | 0 |
| 461  | Yellowfin sole                         | <i>Limanda aspera</i>                  | FISH    | m_benthic  | 0 |
| 421  | Yellowfin surgeonfish                  | <i>Acanthurus xanthopterus</i>         | FISH    | m_benthic  | 0 |
| 522  | Yellowfin tuna                         | <i>Thunnus albacares</i>               | FISH    | m_pelagic  | 0 |
| 873  | Yellowjacket cichlid                   | <i>Parachromis friedrichsthalii</i>    | FISH    | fish       | 0 |
| 808  | Yellowmouth grouper                    | <i>Mycteroperca interstitialis</i>     | FISH    | m_pelagic  | 0 |
| 692  | Yellowspotted jack                     | <i>Carangoides orthogrammus</i>        | FISH    | m_pelagic  | 0 |
| 628  | Yellowstripe goatfish                  | <i>Mulloidichthys flavolineatus</i>    | FISH    | e_nursery  | 0 |
| 784  | Yellowstripe grunt                     | <i>Haemulopsis axillaris</i>           | FISH    | m_pelagic  | 0 |
| 821  | Yellowstripe grunt                     | <i>Pomadasyx axillaris</i>             | FISH    | m_pelagic  | 0 |
| 748  | Yellowtail damselfish                  | <i>Microspathodon chrysurus</i>        | FISH    | fish       | 0 |
| 489  | Yellowtail flounder                    | <i>Pleuronectes ferrugineus</i>        | FISH    | m_benthic  | 0 |
| 28   | Yellowtail rockfish                    | <i>Sebastes flavidus</i>               | FISH    | m_pelagic  | 0 |
| 515  | Yellowtail snapper                     | <i>Ocyurus chrysurus</i>               | FISH    | e_nursery  | 0 |
| 892  | Zabaleta anchovy                       | <i>Anchovia clupeioides</i>            | FISH    | e_resident | 0 |
| 296  |  | <i>Pacificigorgia</i> sp.              | HABITAT | coral      | 0 |
| 297  |  | <i>Balanophyllia bairdiana</i>         | HABITAT | coral      | 0 |
| 298  |  | <i>Isis hippuris</i>                   | HABITAT | coral      | 0 |
| 299  |  | <i>Pasiopora damicornis</i>            | HABITAT | coral      | 0 |
| 300  |  | <i>Pocillopora damicornis</i>          | HABITAT | coral      | 0 |
| 303  |  | <i>Upsella</i> sp.                     | HABITAT | coral      | 0 |
| 315  |  | <i>Pacificigorgia pacifici</i>         | HABITAT | coral      | 0 |
| 316  |  | <i>Pacificigorgia adamsii</i>          | HABITAT | coral      | 0 |
| 306  |  | <i>Bunodactis mexicana</i>             | HABITAT | hardbottom | 0 |
| 310  |  | <i>Jouvea pilosa</i>                   | HABITAT | upland     | 0 |
| 569  | <i>Abutilon menziesii</i>              | <i>Abutilon menziesii</i>              | HABITAT | plant      | 0 |
| 559  | <i>Acacia koaia</i>                    | <i>Acacia koaia</i>                    | HABITAT | plant      | 0 |
| 521  | <i>Achyranthes splendens rotundata</i> | <i>Achyranthes splendens rotundata</i> | HABITAT | plant      | 0 |
| 431  | <i>Adiantum vivesii</i>                | <i>Adiantum vivesii</i>                | HABITAT | upland     | 0 |
| 323  | <i>Adobe sanicle</i>                   | <i>Sanicula maritima</i>               | HABITAT | wetland    | 0 |

|      |                                   |                                   |         |            |      |        |
|------|-----------------------------------|-----------------------------------|---------|------------|------|--------|
| 495  | Agave eggersiana                  | Agave eggersiana                  | HABITAT | upland     |      | 0      |
| 205  | Alabama canebreak pitcher-plant   | Sarracenia rubra ssp. alabamensis | HABITAT | wetland    |      | 0      |
| 587  | Alectryon macrococcus macrococcus | Alectryon macrococcus macrococcus | HABITAT | plant      |      | 0      |
| 313  | Aleutian shield-fern              | Polystichum aleuticum             | HABITAT | upland     |      | 0      |
| 1028 | Algae                             |                                   | HABITAT | algae      |      | 0      |
| 1025 | Algal flats                       |                                   | HABITAT | sav        |      | 0      |
| 1054 | Algal reef                        |                                   | HABITAT | algae      |      | 0      |
| 365  | Alkali milk-vetch                 | Astragalus tener tener            | HABITAT | wetland    |      | 0      |
| 86   | Alligatorweed                     | Alternanthera philoxeroides       | HABITAT | wetland    |      | 0      |
| 606  | Amaranthus brownii                | Amaranthus brownii                | HABITAT | plant      |      | 0      |
| 397  | Ambiguous indian paintbrush       | Castilleja ambigua                | HABITAT | wetland    |      | 0      |
| 149  | American chaffseed                | Schwalbea americana               | HABITAT | upland     |      | 0      |
| 152  | American cupscale                 | Sacciolepis striata               | HABITAT | plant      | G5   | 200701 |
| 657  | American spongeplant              | Limnobium spongia                 | HABITAT | plant      | G4   | 200612 |
| 621  | American waterwort                | Elatine americana                 | HABITAT | plant      | G4   | 200507 |
| 406  | Anacua                            | Ehretia anacua                    | HABITAT | wetland    |      | 0      |
| 305  | Anemones                          |                                   | HABITAT | hardbottom |      | 0      |
| 659  | Angularfruit milkvine             | Matelea gonocarpos                | HABITAT | plant      | G5   | 200612 |
| 375  | Antioch dunes evening-primrose    | Oenothera deltoides howellii      | HABITAT | upland     |      | 0      |
| 477  | Apocynaceae                       | Apocynaceae sp.                   | HABITAT | upland     |      | 0      |
| 1007 | Aquatic vegetation                |                                   | HABITAT | plant      |      | 0      |
| 432  | Aristida chaseae                  | Aristida chaseae                  | HABITAT | upland     |      | 0      |
| 433  | Aristida portoricensis            | Aristida portoricensis            | HABITAT | upland     |      | 0      |
| 87   | Arrowhead                         | Sagittaria spp.                   | HABITAT | wetland    |      | 0      |
| 226  | Ashe's savory                     | Calamintha ashei                  | HABITAT | upland     |      | 0      |
| 660  | Atamasco lily                     | Zephyranthes atamasca             | HABITAT | plant      | G4G5 | 200612 |
| 812  | Atlantic St. John's-wort          | Hypericum reductum                | HABITAT | plant      | G5   | 200703 |
| 434  | Auerodendron pauciflorum          | Auerodendron pauciflorum          | HABITAT | upland     |      | 0      |
| 761  | Awl-leaf arrowhead                | Sagittaria subulata               | HABITAT | plant      | G4   | 200701 |
| 153  | Awl-leaved rush                   | Juncus coriaceus                  | HABITAT | wetland    |      | 0      |
| 661  | Awned mountainmint                | Pycnanthemum setosum              | HABITAT | plant      | G4   | 200612 |
| 685  | Axilflower                        | Mecardonia acuminata              | HABITAT | plant      | G5   | 200701 |
| 409  | Bailey's ballmoss                 | Tillandsia baileyi                | HABITAT | plant      |      | 0      |
| 381  | Baker's navarretia                | Navarretia leucocephala bakeri    | HABITAT | wetland    |      | 0      |
| 88   | Bald cypress                      | Taxodium distichum                | HABITAT | wetland    |      | 0      |
| 17   | Bald-rush                         | Psilocarya scirpoides             | HABITAT | wetland    |      | 0      |
| 697  | Bamboo vine                       | Smilax pseudochina                | HABITAT | plant      | G4G5 | 200701 |
| 89   | Banana water lily                 | Nymphaea mexicana                 | HABITAT | fav        |      | 0      |
| 414  | Banara vanderbiltii               | Banara vanderbiltii               | HABITAT | upland     |      | 0      |
| 797  | Bandanna of the Everglades        | Canna flaccida                    | HABITAT | plant      | G4?  | 200703 |
| 154  | Barton's St. John's-wort          | Hypericum adpressum               | HABITAT | wetland    |      | 0      |

|      |                                |  |         |         |      |        |
|------|--------------------------------|--|---------|---------|------|--------|
| 227  | Bartram's ixia                 | <i>Sphenostigma coelestina</i>                   | HABITAT | wetland |      | 0      |
| 4    | Beach layia                    | <i>Layia carnosa</i>                             | HABITAT | upland  |      | 0      |
| 309  | Beach morning glory            | <i>Ipomoea pescaprea</i>                         | HABITAT | upland  |      | 0      |
| 38   | Beach peavine                  | <i>Lathyrus japonicus maritimus</i>              | HABITAT | upland  |      | 0      |
| 662  | Beach plum                     | <i>Prunus maritima</i>                           | HABITAT | plant   | G4   | 200612 |
| 739  | Beach sedge                    | <i>Carex silicea</i>                             | HABITAT | plant   | G5   | 200701 |
| 75   | Beach spectacle pod            | <i>Dithyrea maritima</i>                         | HABITAT | upland  |      | 0      |
| 616  | Beach strawberry               | <i>Fragaria chiloensis</i>                       | HABITAT | plant   |      | 0      |
| 52   | Beach sumac                    | <i>Rhus aromatica</i> var. <i>arenaria</i>       | HABITAT | upland  |      | 0      |
| 623  | Beaked agrimony                | <i>Agrimonia rostellata</i>                      | HABITAT | plant   | G5   | 200507 |
| 663  | Beaked spikerush               | <i>Eleocharis rostellata</i>                     | HABITAT | plant   | G5   | 200612 |
| 795  | Bearded grasspink              | <i>Calopogon barbatus</i>                        | HABITAT | plant   | G4?  | 200703 |
| 707  | Bearded sprangletop            | <i>Leptochloa fusca</i> ssp. <i>Fascicularis</i> | HABITAT | plant   | G5T5 | 200701 |
| 62   | Beautiful sedge                | <i>Carex concinna</i>                            | HABITAT | upland  |      | 0      |
| 529  | <i>Bidens molokaiensis</i>     | <i>Bidens molokaiensis</i>                       | HABITAT | plant   |      | 0      |
| 703  | Big floatingheart              | <i>Nymphoides aquatica</i>                       | HABITAT | fav     | G5   | 200701 |
| 326  | Big tarplant                   | <i>Blepharizonia plumosa plumosa</i>             | HABITAT | upland  |      | 0      |
| 785  | Bigseed alfalfa dodder         | <i>Cuscuta indecora</i>                          | HABITAT | plant   | G5   | 200701 |
| 664  | Bigtop lovegrass               | <i>Eragrostis hirsuta</i>                        | HABITAT | plant   | G5   | 200612 |
| 132  | Bitter panicum                 | <i>Panicum amarum</i>                            | HABITAT | upland  |      | 0      |
| 471  | Black calabash                 | <i>Amphitecna latifolia</i>                      | HABITAT | upland  |      | 0      |
| 518  | Black coral                    | <i>Antipathes</i> spp.                           | HABITAT | coral   |      | 0      |
| 266  | Black mangrove                 | <i>Avicennia germinans</i>                       | HABITAT | wetland |      | 0      |
| 90   | Black needlerush               | <i>Juncus roemerianus</i>                        | HABITAT | wetland |      | 0      |
| 405  | Black willow                   | <i>Salix nigra</i>                               | HABITAT | wetland |      | 0      |
| 155  | Black-based quillwort          | <i>Isoetes melanopoda</i>                        | HABITAT | wetland |      | 0      |
| 274  | Blackbrush                     | <i>Acacia rigidula</i>                           | HABITAT | upland  |      | 0      |
| 53   | Black-fruit mountain-ricegrass | <i>Piptatherum racemosa</i>                      | HABITAT | upland  |      | 0      |
| 156  | Black-fruited spikerush        | <i>Eleocharis melanocarpa</i>                    | HABITAT | wetland |      | 0      |
| 700  | Blister sedge                  | <i>Carex vesicaria</i>                           | HABITAT | plant   | G5   | 200701 |
| 579  | Bobea sandwicensis             | <i>Bobea sandwicensis</i>                        | HABITAT | plant   |      | 0      |
| 157  | Bog asphodel                   | <i>Narthecium americanum</i>                     | HABITAT | wetland |      | 0      |
| 665  | Bog aster                      | <i>Oclemena nemoralis</i>                        | HABITAT | plant   | G5   | 200612 |
| 666  | Bog fern                       | <i>Thelypteris simulata</i>                      | HABITAT | plant   | G4G5 | 200612 |
| 816  | Bog spicebush                  | <i>Lindera subcoriacea</i>                       | HABITAT | plant   | G2   | 200703 |
| 550  | Bonamia menziesii              | <i>Bonamia menziesii</i>                         | HABITAT | plant   |      | 0      |
| 291  | Bone algae                     | <i>Galaxaura</i> sp.                             | HABITAT | algae   |      | 0      |
| 835  | Bottomland post oak            | <i>Quercus similis</i>                           | HABITAT | plant   | G4   | 200703 |
| 667  | Box huckleberry                | <i>Gaylussacia brachycera</i>                    | HABITAT | plant   | G3   | 200701 |
| 158  | Boykin's lobelia               | <i>Lobelia boykinii</i>                          | HABITAT | wetland |      | 0      |
| 1009 | Brackish marsh                 |  | HABITAT | wetland |      | 0      |

|     |                                  |  |         |         |      |        |
|-----|----------------------------------|--|---------|---------|------|--------|
| 463 | <i>Brassavola cucullata</i>      | <i>Brassavola cucullata</i>                    | HABITAT | upland  |      | 0      |
| 779 | Brazilian watermeal              | <i>Wolffia brasiliensis</i>                    | HABITAT | plant   | G5   | 200701 |
| 369 | Brewer's western flax            | <i>Hesperolinon breweri</i>                    | HABITAT | upland  |      | 0      |
| 540 | <i>Brighamia insignis</i>        | <i>Brighamia insignis</i>                      | HABITAT | plant   |      | 0      |
| 541 | <i>Brighamia rockii</i>          | <i>Brighamia rockii</i>                        | HABITAT | plant   |      | 0      |
| 159 | Bristling panic grass            | <i>Dichantherium aciculare</i>                 | HABITAT | upland  |      | 0      |
| 698 | Bristly buttercup                | <i>Ranunculus hispidus</i> var. <i>nitidus</i> | HABITAT | plant   | G5T5 | 200701 |
| 355 | Brittlescale                     | <i>Atriplex depressa</i>                       | HABITAT | upland  |      | 0      |
| 160 | Britton's spikerush              | <i>Eleocharis brittonii</i>                    | HABITAT | wetland |      | 0      |
| 23  | Broadleaf sedge                  | <i>Carex platphylla</i>                        | HABITAT | upland  |      | 0      |
| 793 | Broadleaf signalgrass            | <i>Urochloa platyphylla</i>                    | HABITAT | plant   | G5   | 200703 |
| 669 | Broadtooth hedgenettle           | <i>Stachys latidens</i>                        | HABITAT | plant   | G4G5 | 200701 |
| 57  | Brown-fruited rush               | <i>Juncus pelocarpus</i>                       | HABITAT | wetland |      | 0      |
| 127 | Brownseed paspalum               | <i>Paspalum plicatum</i>                       | HABITAT | upland  |      | 0      |
| 670 | Bulblet-bearing water hemlock    | <i>Cicuta bulbifera</i>                        | HABITAT | plant   | G5   | 200701 |
| 2   | Bull kelp                        | <i>Nereocystis luetkeana</i>                   | HABITAT | kelp    |      | 0      |
| 91  | Bull-tongue                      | <i>Sagittaria lancifolia</i>                   | HABITAT | wetland |      | 0      |
| 92  | Bulrush                          | <i>Scirpus</i> spp.                            | HABITAT | wetland |      | 0      |
| 319 | Bushy rockrose                   | <i>Helianthemum dumosum</i>                    | HABITAT | upland  |      | 0      |
| 671 | Butternut                        | <i>Juglans cinerea</i>                         | HABITAT | plant   | G3G4 | 200701 |
| 61  | Butterwort                       | <i>Pinguicula vulgaris</i>                     | HABITAT | plant   |      | 0      |
| 435 | <i>Buxus vahlii</i>              | <i>Buxus vahlii</i>                            | HABITAT | upland  |      | 0      |
| 475 | <i>Byrsonima</i> sp.             | <i>Byrsonima</i> sp.                           | HABITAT | upland  |      | 0      |
| 617 | <i>Cactus</i> spp.               |  | HABITAT | plant   |      | 0      |
| 790 | Calamus                          | <i>Acorus calamus</i>                          | HABITAT | plant   | G4?  | 200703 |
| 93  | California bulrush               | <i>Scirpus californicus</i>                    | HABITAT | wetland |      | 0      |
| 356 | California seablite              | <i>Suaeda californica</i>                      | HABITAT | wetland |      | 0      |
| 415 | <i>Callicarpa ampla</i>          | <i>Callicarpa ampla</i>                        | HABITAT | wetland |      | 0      |
| 436 | <i>Calypttranthes thomasiana</i> | <i>Calypttranthes thomasiana</i>               | HABITAT | upland  |      | 0      |
| 416 | <i>Calyptronoma rivalis</i>      | <i>Calyptronoma rivalis</i>                    | HABITAT | wetland |      | 0      |
| 285 | Camphor daisy                    | <i>Machaeranthera phyllocephala</i>            | HABITAT | wetland |      | 0      |
| 560 | <i>Canavalia molokaiensis</i>    | <i>Canavalia molokaiensis</i>                  | HABITAT | plant   |      | 0      |
| 561 | <i>Canavalia napaliensis</i>     | <i>Canavalia napaliensis</i>                   | HABITAT | plant   |      | 0      |
| 562 | <i>Canavalia pubescens</i>       | <i>Canavalia pubescens</i>                     | HABITAT | plant   |      | 0      |
| 267 | Cane bluestem                    | <i>Bothriochloa barbinodis</i>                 | HABITAT | upland  |      | 0      |
| 58  | Capitate spikerush               | <i>Eleocharis geniculata</i>                   | HABITAT | wetland |      | 0      |
| 551 | <i>Capparis sandwichiana</i>     | <i>Capparis sandwichiana</i>                   | HABITAT | plant   |      | 0      |
| 818 | Carolina desert-thorn            | <i>Lycium carolinianum</i>                     | HABITAT | plant   | G4   | 200703 |
| 672 | Carolina fimbry                  | <i>Fimbristylis caroliniana</i>                | HABITAT | plant   | G4   | 200701 |
| 207 | Carolina goldenrod               | <i>Solidago pulchra</i>                        | HABITAT | upland  |      | 0      |
| 144 | Carolina grasswort               | <i>Lilaeopsis carolinensis</i>                 | HABITAT | wetland |      | 0      |

|     |                                    |                                      |         |         |        |        |
|-----|------------------------------------|--------------------------------------|---------|---------|--------|--------|
| 713 | Carolina mosquitofern              | Azolla caroliniana                   | HABITAT | plant   | G5     | 200701 |
| 851 | Carolina silverbell                | Halesia carolina                     | HABITAT | plant   | G4G5   | 200704 |
| 210 | Carolina spleenwort                | Asplenium heteroresiliens            | HABITAT | upland  |        | 0      |
| 335 | Carquinez goldenbush               | Isocoma arguta                       | HABITAT | upland  |        | 0      |
| 493 | Catesbaea melanocarpa              | Catesbaea melanocarpa                | HABITAT | upland  |        | 0      |
| 247 | Catesby's lily                     | Lilium catesbaei                     | HABITAT | wetland |        | 0      |
| 94  | Cattails                           | Typha spp.                           | HABITAT | wetland |        | 0      |
| 412 | Caulerpa                           | Caulerpa spp.                        | HABITAT | algae   |        | 0      |
| 566 | Centaurium sebaeoides              | Centaurium sebaeoides                | HABITAT | plant   |        | 0      |
| 789 | Chalky bluestem                    | Andropogon capillipes                | HABITAT | plant   | G5T4T5 | 200703 |
| 457 | Chamaecrista glandulosa mirabilis  | Chamaecrista glandulosa mirabilis    | HABITAT | upland  |        | 0      |
| 552 | Chamaesyce celastroides kaenana    | Chamaesyce celastroides kaenana      | HABITAT | plant   |        | 0      |
| 554 | Chamaesyce celastroides laehiensis | Chamaesyce celastroides laehiensis   | HABITAT | plant   |        | 0      |
| 553 | Chamaesyce celastroides stokesii   | Chamaesyce celastroides stokesii     | HABITAT | plant   |        | 0      |
| 555 | Chamaesyce celastroides tomentella | Chamaesyce celastroides tomentella   | HABITAT | plant   |        | 0      |
| 558 | Chamaesyce kuwaleana               | Chamaesyce kuwaleana                 | HABITAT | plant   |        | 0      |
| 556 | Chamaesyce s. skottsbergii         | Chamaesyce skottsbergii skottsbergii | HABITAT | plant   |        | 0      |
| 557 | Chamaesyce s. vaccinioides         | Chamaesyce skottsbergii vaccinioides | HABITAT | plant   |        | 0      |
| 54  | Chamomile grape-fern               | Botrychium matricariifolium          | HABITAT | upland  |        | 0      |
| 823 | Chapman's butterwort               | Pinguicula planifolia                | HABITAT | plant   | G3?    | 200703 |
| 228 | Chapman's sedge                    | Carex chapmanii                      | HABITAT | wetland |        | 0      |
| 612 | Chara sp.                          | Chara sp.                            | HABITAT | algae   |        | 0      |
| 522 | Charpentiera densiflora            | Charpentiera densiflora              | HABITAT | plant   |        | 0      |
| 802 | Checked jointtail grass            | Coelorachis tessellata               | HABITAT | plant   | G5?    | 200703 |
| 28  | Chestnut sedge                     | Fimbristylis puberula                | HABITAT | wetland |        | 0      |
| 95  | Chinese tallow                     | Sapium sebiferum                     | HABITAT | upland  |        | 0      |
| 311 | Cinchweed                          | Pectis arenaria                      | HABITAT | upland  |        | 0      |
| 822 | Climbing fetterbush                | Pieris phillyreifolia                | HABITAT | plant   | G3     | 200703 |
| 56  | Clinton lily                       | Clintonia borealis                   | HABITAT | upland  |        | 0      |
| 691 | Closed bottle gentian              | Gentiana andrewsii                   | HABITAT | plant   | G5?    | 200701 |
| 8   | Clover lupine                      | Lupinus tidestromii                  | HABITAT | upland  |        | 0      |
| 18  | Clubmoss                           | Lycopodium appressum                 | HABITAT | wetland |        | 0      |
| 161 | Clustered beaked rush              | Rhynchospora glomerata               | HABITAT | wetland |        | 0      |
| 13  | Clustered broomrape                | Orobanche fasciculata                | HABITAT | upland  |        | 0      |
| 641 | Clustered sedge                    | Carex cumulata                       | HABITAT | plant   | G4?    | 200507 |
| 162 | Coast flatsedge                    | Cyperus polystachyos                 | HABITAT | wetland |        | 0      |
| 66  | Coast sedge                        | Carex exilis                         | HABITAT | wetland |        | 0      |
| 838 | Coastal beaksedge                  | Rhynchospora pleiantha               | HABITAT | plant   | G3     | 200703 |
| 674 | Coastal bedstraw                   | Galium hispidulum                    | HABITAT | plant   |        | 0      |
| 270 | Coastal dropseed                   | Sporobolus virginicus                | HABITAT | wetland |        | 0      |
| 504 | Coastal dune grassland             |                                      | HABITAT | upland  |        | 0      |

|      |                                   |                                      |         |         |      |        |
|------|-----------------------------------|--------------------------------------|---------|---------|------|--------|
| 505  | Coastal dune scrub thicket        |                                      | HABITAT | upland  |      | 0      |
| 10   | Coastal dunes milkvetch           | <i>Astragalus tener titi</i>         | HABITAT | wetland |      | 0      |
| 120  | Coastal gay-feather               | <i>Liatris bracteata</i>             | HABITAT | upland  |      | 0      |
| 506  | Coastal live oak-hackberry forest |                                      | HABITAT | upland  |      | 0      |
| 711  | Coastal lovegrass                 | <i>Eragrostis refracta</i>           | HABITAT | plant   | G5   | 200701 |
| 803  | Coastal plain tickseed            | <i>Coreopsis gladiata</i>            | HABITAT | plant   | G4G5 | 200703 |
| 507  | Coastal prairie                   |                                      | HABITAT | upland  |      | 0      |
| 810  | Coastal sand frostweed            | <i>Helianthemum arenicola</i>        | HABITAT | plant   | G3   | 200703 |
| 1014 | Coastal terrace prairie           |                                      | HABITAT | upland  |      | 0      |
| 607  | Columbia yellowcress              | <i>Rorippa columbiae</i>             | HABITAT | sav     |      | 0      |
| 292  | Common disk or Segmented algae    | <i>Halimeda</i> sp.                  | HABITAT | algae   |      | 0      |
| 96   | Common reed                       | <i>Phragmites australis</i>          | HABITAT | wetland |      | 0      |
| 333  | Congdon's tarplant                | <i>Hemizonia parryi congdonii</i>    | HABITAT | upland  |      | 0      |
| 336  | Contra Costa goldfields           | <i>Lasthenia conjugens</i>           | HABITAT | wetland |      | 0      |
| 345  | Contra Costa wallflower           | <i>Erysimum capitatum angustatum</i> | HABITAT | upland  |      | 0      |
| 138  | Coontail                          | <i>Ceratophyllum demersum</i>        | HABITAT | sav     |      | 0      |
| 147  | Coral community                   |                                      | HABITAT | coral   |      | 0      |
| 1034 | Coral patch reef                  |                                      | HABITAT | coral   |      | 0      |
| 1030 | Coral reef                        |                                      | HABITAT | coral   |      | 0      |
| 1052 | Coral reef habitat                |                                      | HABITAT | coral   |      | 0      |
| 1057 | Coralline algae                   |                                      | HABITAT | algae   |      | 0      |
| 1049 | Coralline algal apron reef        |                                      | HABITAT | coral   |      | 0      |
| 97   | Cordgrass                         | <i>Spartina</i> spp.                 | HABITAT | wetland |      | 0      |
| 437  | Cornutia obovata                  | <i>Cornutia obovata</i>              | HABITAT | upland  |      | 0      |
| 123  | Correll's false dragon-head       | <i>Physostegia correllii</i>         | HABITAT | wetland |      | 0      |
| 499  | Cranichis ricartii                | <i>Cranichis ricartii</i>            | HABITAT | upland  |      | 0      |
| 417  | Crescentia portoricensis          | <i>Crescentia portoricensis</i>      | HABITAT | wetland |      | 0      |
| 738  | Crested saltbush                  | <i>Atriplex cristata</i>             | HABITAT | plant   | G5   | 200701 |
| 848  | Crimson pitcherplant              | <i>Sarracenia leucophylla</i>        | HABITAT | plant   | G3   | 200704 |
| 19   | Crimsoneyed rosemallow            | <i>Hibiscus mocheutos mocheutos</i>  | HABITAT | wetland |      | 0      |
| 770  | Crowned beggarticks               | <i>Bidens coronata</i>               | HABITAT | plant   | G5   | 200701 |
| 338  | Crystal Springs lessingia         | <i>Lessingia arachnoidea</i>         | HABITAT | upland  |      | 0      |
| 677  | Cuckoo flower                     | <i>Cardamine pratensis</i>           | HABITAT | plant   | G5   | 200701 |
| 229  | Curtiss' milkweed                 | <i>Asclepias curtissii</i>           | HABITAT | upland  |      | 0      |
| 98   | Cutgrass                          | <i>Leersia oryzoides</i>             | HABITAT | wetland |      | 0      |
| 163  | Cut-leaved water-milfoil          | <i>Myriophyllum pinnatum</i>         | HABITAT | sav     |      | 0      |
| 438  | Cyathea dryopteroides             | <i>Cyathea dryopteroides</i>         | HABITAT | upland  |      | 0      |
| 590  | Cyperus trachysanthos             | <i>Cyperus trachysanthos</i>         | HABITAT | plant   |      | 0      |
| 821  | Cypress panicgrass                | <i>Dichanthelium dichotomum</i>      | HABITAT | plant   | G5   | 200703 |
| 321  | Cypress tupelo swamp              |                                      | HABITAT | wetland |      | 0      |
| 164  | Cypress-swamp sedge               | <i>Carex jorii</i>                   | HABITAT | wetland |      | 0      |

|      |                                  |                                   |         |         |      |        |
|------|----------------------------------|-----------------------------------|---------|---------|------|--------|
| 479  | <i>Cypselea humifusa</i>         | <i>Cypselea humifusa</i>          | HABITAT | wetland |      | 0      |
| 439  | <i>Daphnopsis hellerana</i>      | <i>Daphnopsis hellerana</i>       | HABITAT | upland  |      | 0      |
| 678  | Darkgreen sedge                  | <i>Carex venusta</i>              | HABITAT | plant   | G4   | 200701 |
| 622  | Davis' sedge                     | <i>Carex davisii</i>              | HABITAT | plant   | G4   | 200507 |
| 150  | Delmarva beggarticks             | <i>Bidens bidentoides</i>         | HABITAT | plant   | G3G4 | 200701 |
| 177  | Delta mudwort                    | <i>Limosella subulata</i>         | HABITAT | wetland |      | 0      |
| 366  | Delta tule pea                   | <i>Lathyrus jepsonii jepsonii</i> | HABITAT | wetland |      | 0      |
| 197  | Denseflower knotweed             | <i>Polygonum glabrum</i>          | HABITAT | wetland | G5   | 200701 |
| 225  | Dense-flowered groundsel-tree    | <i>Baccharis glomeruliflora</i>   | HABITAT | wetland |      | 0      |
| 771  | Devil's grandmother              | <i>Elephantopus tomentosus</i>    | HABITAT | plant   | G5   | 200701 |
| 645  | Devil's-tongue                   | <i>Opuntia humifusa</i>           | HABITAT | plant   | G5   | 200507 |
| 332  | Diablo helianthella              | <i>Helianthella castanea</i>      | HABITAT | upland  |      | 0      |
| 376  | Diamond-petaled California poppy | <i>Eschscholzia rhombipetala</i>  | HABITAT | upland  |      | 0      |
| 1021 | Diked marsh                      |                                   | HABITAT | wetland |      | 0      |
| 754  | Dillenius' ticktrefoil           | <i>Desmodium glabellum</i>        | HABITAT | plant   | G5   | 200701 |
| 610  | Dixie sandmat                    | <i>Chamaesyce bombensis</i>       | HABITAT | plant   |      | 0      |
| 301  | Doughnut coral                   | <i>Scolymia australis</i>         | HABITAT | coral   |      | 0      |
| 676  | Drumheads                        | <i>Polygala cruciata</i>          | HABITAT | plant   | G5   | 200701 |
| 850  | Drummond's yelloweyed grass      | <i>Xyris drummondii</i>           | HABITAT | plant   | G3   | 200704 |
| 218  | Duck weed                        | <i>Lemna</i> spp.                 | HABITAT | fav     |      | 0      |
| 320  | Dune grassland                   |                                   | HABITAT | upland  |      | 0      |
| 350  | Dwarf downingia                  | <i>Downingia pusilla</i>          | HABITAT | wetland |      | 0      |
| 31   | Dwarf lake iris                  | <i>Iris lacustris</i>             | HABITAT | upland  |      | 0      |
| 847  | Dwarf live oak                   | <i>Quercus minima</i>             | HABITAT | plant   | G5   | 200704 |
| 104  | Dwarf palmetto                   | <i>Sabal minor</i>                | HABITAT | wetland |      | 0      |
| 680  | Dwarf saltwort                   | <i>Salicornia bigelovii</i>       | HABITAT | plant   | G5   | 200701 |
| 84   | Dwarf seagrass                   | <i>Halophila engelmannii</i>      | HABITAT | sav     |      | 0      |
| 99   | Dwarf spikerush                  | <i>Eleocharis parvula</i>         | HABITAT | wetland |      | 0      |
| 752  | Dwarf umbrella-sedge             | <i>Fuirena pumila</i>             | HABITAT | plant   | G4   | 200701 |
| 646  | Eastern annual saltmarsh aster   | <i>Symphyotrichum subulatum</i>   | HABITAT | plant   | G5   | 200507 |
| 502  | Eastern gamagrass                | <i>Tripsarum dactyloides</i>      | HABITAT | wetland |      | 0      |
| 630  | Eastern grasswort                | <i>Lilaeopsis chinensis</i>       | HABITAT | plant   | G5   | 200507 |
| 644  | Eastern narrowleaf sedge         | <i>Carex amphibola</i>            | HABITAT | plant   | G5   | 200507 |
| 760  | Eastern straw sedge              | <i>Carex straminea</i>            | HABITAT | plant   | G5   | 200701 |
| 1    | Eelgrass                         | <i>Zostera marina</i>             | HABITAT | sav     |      | 0      |
| 139  | Egeria                           | <i>Egeria densa</i>               | HABITAT | sav     |      | 0      |
| 440  | Elaphoglossum serpens            | <i>Elaphoglossum serpens</i>      | HABITAT | upland  |      | 0      |
| 279  | Elmendorf's onion                | <i>Allium elmendorfii</i>         | HABITAT | upland  |      | 0      |
| 682  | Emory's sedge                    | <i>Carex emoryi</i>               | HABITAT | plant   | G5   | 200701 |
| 59   | Endangered plant                 |                                   | HABITAT | plant   |      | 0      |
| 683  | Engelmann's arrowhead            | <i>Sagittaria engelmanniana</i>   | HABITAT | plant   | G5?  | 200701 |

|      |                                 |   |         |         |        |        |
|------|---------------------------------|---|---------|---------|--------|--------|
| 480  | <i>Erythrina eggersii</i>       | <i>Erythrina eggersii</i>                       | HABITAT | upland  |        | 0      |
| 1006 | Estuarine scrub-shrub           |   | HABITAT | wetland |        | 0      |
| 624  | Estuary beggarticks             | <i>Bidens hyperborea</i>                        | HABITAT | plant   | G4     | 200507 |
| 625  | Estuary beggarticks var.        | <i>Bidens hyperborea</i> var. <i>hyperborea</i> | HABITAT | plant   | G4T2T4 | 200507 |
| 721  | Estuary pipewort                | <i>Eriocaulon parkeri</i>                       | HABITAT | plant   | G3     | 200701 |
| 441  | <i>Eugenia haematocarpa</i>     | <i>Eugenia haematocarpa</i>                     | HABITAT | upland  |        | 0      |
| 474  | <i>Eugenia</i> sp.              | <i>Eugenia</i> sp.                              | HABITAT | upland  |        | 0      |
| 418  | <i>Eugenia woodburyana</i>      | <i>Eugenia woodburyana</i>                      | HABITAT | upland  |        | 0      |
| 142  | Eurasian water-milfoil          | <i>Myriophyllum spicatum</i>                    | HABITAT | sav     |        | 0      |
| 230  | Fall-flowering pleat-leaf       | <i>Nemastylis floridana</i>                     | HABITAT | wetland |        | 0      |
| 36   | False asphodel                  | <i>Tofieldia glutinosa</i>                      | HABITAT | wetland |        | 0      |
| 642  | False daisy                     | <i>Eclipta prostrata</i>                        | HABITAT | plant   | G5     | 200507 |
| 699  | False hop sedge                 | <i>Carex lupuliformis</i>                       | HABITAT | plant   | G4     | 200701 |
| 763  | False Indian plaintain          | <i>Hasteola suaveolens</i>                      | HABITAT | plant   | G4     | 200701 |
| 485  | False mastic                    | <i>Sideroxylon foetidissimum</i>                | HABITAT | upland  |        | 0      |
| 271  | False rhodesgrass               | <i>Chloris pluriflora</i>                       | HABITAT | upland  |        | 0      |
| 1023 | Farmed/Grazed bayland           |   | HABITAT | upland  |        | 0      |
| 165  | Featherfoil                     | <i>Hottonia inflata</i>                         | HABITAT | fav     |        | 0      |
| 753  | Fewflower milkweed              | <i>Asclepias lanceolata</i>                     | HABITAT | plant   | G5     | 200701 |
| 687  | Fewflower ticktrefoil           | <i>Desmodium pauciflorum</i>                    | HABITAT | plant   | G5     | 200701 |
| 592  | <i>Fimbristylis hawaiiensis</i> | <i>Fimbristylis hawaiiensis</i>                 | HABITAT | plant   |        | 0      |
| 519  | Finger coral                    | <i>Porites compressa</i>                        | HABITAT | coral   |        | 0      |
| 637  | Fissidens moss                  | <i>Fissidens</i>                                | HABITAT | plant   |        | 0      |
| 820  | Flameflower                     | <i>Macranthera flammea</i>                      | HABITAT | plant   | G3     | 200703 |
| 55   | Flatleaf pondweed               | <i>Potamogeton robbinsii</i>                    | HABITAT | sav     |        | 0      |
| 689  | Flatstem spikerush              | <i>Eleocharis compressa</i>                     | HABITAT | plant   | G4     | 200701 |
| 688  | Flattened pipewort              | <i>Eriocaulon compressum</i>                    | HABITAT | plant   | G5     | 200701 |
| 788  | Flaxleaf false foxglove         | <i>Agalinis linifolia</i>                       | HABITAT | plant   | G4?    | 200703 |
| 221  | Floating aquatic vegetation     |   | HABITAT | fav     |        | 0      |
| 166  | Floating pennywort              | <i>Hydrocotyle ranunculoides</i>                | HABITAT | fav     |        | 0      |
| 231  | Florida bonamia                 | <i>Bonamia grandiflora</i>                      | HABITAT | upland  |        | 0      |
| 236  | Florida hartwrightia            | <i>Hartwrightia floridana</i>                   | HABITAT | wetland |        | 0      |
| 233  | Florida mountain-mint           | <i>Pycnanthemum floridanum</i>                  | HABITAT | upland  |        | 0      |
| 832  | Florida pondweed                | <i>Potamogeton floridanus</i>                   | HABITAT | fav     | G1     | 200703 |
| 222  | Florida privet                  | <i>Forestiera segregata</i>                     | HABITAT | upland  |        | 0      |
| 234  | Florida three-awned grass       | <i>Aristida rhizomophora</i>                    | HABITAT | upland  |        | 0      |
| 235  | Florida willow                  | <i>Salix floridana</i>                          | HABITAT | wetland |        | 0      |
| 167  | Fog fruit                       | <i>Phyla lanceolata</i>                         | HABITAT | wetland |        | 0      |
| 1003 | Forested wetland                |   | HABITAT | wetland |        | 0      |
| 327  | Fountain thistle                | <i>Cirsium fontinale fontinale</i>              | HABITAT | wetland |        | 0      |
| 395  | Fragrant fritillary             | <i>Fritillaria liliacea</i>                     | HABITAT | upland  |        | 0      |



|      |                                |                                      |         |            |      |        |
|------|--------------------------------|--------------------------------------|---------|------------|------|--------|
| 639  | Frank's sedge                  | Carex frankii                        | HABITAT | plant      | G5   | 200507 |
| 1002 | Freshwater marsh               |                                      | HABITAT | wetland    |      | 0      |
| 1037 | Freshwater tidal marsh         |                                      | HABITAT | wetland    |      | 0      |
| 717  | Fringed willowherb             | Epilobium ciliatum                   | HABITAT | plant      | G5   | 200701 |
| 481  | Galactia eggessii              | Galactia eggessii                    | HABITAT | upland     |      | 0      |
| 27   | Garber's sedge (Elk sedge)     | Carex garberi                        | HABITAT | wetland    |      | 0      |
| 580  | Gardenia brighamii             | Gardenia brighamii                   | HABITAT | plant      |      | 0      |
| 842  | Georgia bully                  | Sideroxylon thornei                  | HABITAT | plant      | G2   | 200703 |
| 804  | Georgia tickseed               | Coreopsis nudata                     | HABITAT | plant      | G3?  | 200703 |
| 419  | Gesneria pauciflora            | Gesneria pauciflora                  | HABITAT | wetland    |      | 0      |
| 692  | Giant cane                     | Arundinaria gigantea                 | HABITAT | plant      | G5   | 200701 |
| 119  | Giant cutgrass                 | Zizaniopsis miliacea                 | HABITAT | wetland    | G5   | 200701 |
| 9    | Giant kelp                     | Macrocystis pyrifera                 | HABITAT | kelp       |      | 0      |
| 656  | Giant kelp                     | Macrocystis integrifolia             | HABITAT | kelp       |      | 0      |
| 833  | Giant orchid                   | Pteroglossaspis ecristata            | HABITAT | plant      | G2G3 | 200703 |
| 843  | Giantspiral lady's tresses     | Spiranthes longilabris               | HABITAT | plant      | G3   | 200703 |
| 22   | Ginseng                        | Panax quinquefolius                  | HABITAT | upland     |      | 0      |
| 693  | Glade fern                     | Diplazium pycnocarpon                | HABITAT | plant      | G5   | 200701 |
| 168  | Glade spurge                   | Euphorbia purpurea                   | HABITAT | wetland    |      | 0      |
| 100  | Glasswort                      | Salicornia spp.                      | HABITAT | wetland    |      | 0      |
| 530  | Gnaphalium s. molokaiense      | Gnaphalium sandwicensium molokaiense | HABITAT | plant      |      | 0      |
| 800  | Godfrey's goldenaster          | Chrysopsis godfreyi                  | HABITAT | plant      | G2   | 200703 |
| 208  | Godfrey's sandwort             | Minuartia godfreyi                   | HABITAT | wetland    |      | 0      |
| 420  | Goetzea elegans                | Goetzea elegans                      | HABITAT | upland     |      | 0      |
| 614  | Golden Indian paintbrush       | Castilleja levisecta                 | HABITAT | plant      |      | 0      |
| 632  | Goldenclub                     | Orontium aquaticum                   | HABITAT | plant      | G5   | 200507 |
| 295  | Gorgonid                       | Gorgonidae                           | HABITAT | coral      |      | 0      |
| 398  | Gracilaria                     | Gracilaria sp.                       | HABITAT | algae      |      | 0      |
| 124  | Grand prairie evening primrose | Oenothera pilosella sessilis         | HABITAT | upland     |      | 0      |
| 273  | Granjeno                       | Celtis pallida                       | HABITAT | upland     |      | 0      |
| 289  | Grape and Feather algae        | Caulerpa                             | HABITAT | algae      |      | 0      |
| 169  | Grass-like beaked rush         | Rhynchospora globularis              | HABITAT | wetland    |      | 0      |
| 65   | Grass-of-parnassus             | Parnassia palustris                  | HABITAT | wetland    |      | 0      |
| 290  | Green fleece                   | Codium sp.                           | HABITAT | algae      |      | 0      |
| 307  | Green velvet anemone           | Palythoa ignotha                     | HABITAT | hardbottom |      | 0      |
| 224  | Greenfly orchid                | Epidendrum conopseum                 | HABITAT | wetland    |      | 0      |
| 694  | Greenvein lady's tresses       | Spiranthes praecox                   | HABITAT | plant      | G5   | 200701 |
| 262  | Groundsel tree                 | Baccharis halimifolia                | HABITAT | wetland    |      | 0      |
| 492  | Guajacum officinale            | Guajacum officinale                  | HABITAT | upland     |      | 0      |
| 259  | Gulf cordgrass                 | Spartina spartinae                   | HABITAT | wetland    |      | 0      |
| 232  | Gulf hammock indian plantain   | Hasteola robertiorum                 | HABITAT | upland     |      | 0      |

|      |                                  |                                      |         |            |      |        |
|------|----------------------------------|--------------------------------------|---------|------------|------|--------|
| 841  | Gulf spikemoss                   | Selaginella ludoviciana              | HABITAT | plant      | G3G4 | 200703 |
| 134  | Gulfdune paspalum                | Paspalum monostachyum                | HABITAT | wetland    |      | 0      |
| 701  | Hairy sedge                      | Carex lacustris                      | HABITAT | plant      | G5   | 200701 |
| 831  | Hairy shadow witch               | Ponthieva racemosa                   | HABITAT | plant      | G4G5 | 200703 |
| 148  | Hardbottom community             |                                      | HABITAT | hardbottom |      | 0      |
| 253  | Hardbottom reef                  |                                      | HABITAT | hardbottom |      | 0      |
| 252  | Hardbottom reef ledge            |                                      | HABITAT | hardbottom |      | 0      |
| 1031 | Hardground                       |                                      | HABITAT | hardbottom |      | 0      |
| 509  | Hardwood slope forest            |                                      | HABITAT | upland     |      | 0      |
| 845  | Harper's yelloweyed grass        | Xyris scabrifolia                    | HABITAT | plant      | G3   | 200703 |
| 421  | Harrisia portoricensis           | Harrisia portoricensis               | HABITAT | upland     |      | 0      |
| 634  | Heartleaf plantain               | Plantago cordata                     | HABITAT | plant      | G4   | 200507 |
| 581  | Hedyotis elatior                 | Hedyotis elatior                     | HABITAT | plant      |      | 0      |
| 582  | Hedyotis fluviatilis             | Hedyotis fluviatilis                 | HABITAT | plant      |      | 0      |
| 583  | Hedyotis littoralis              | Hedyotis littoralis                  | HABITAT | plant      |      | 0      |
| 584  | Hedyotis st.-johnii              | Hedyotis st.-johnii                  | HABITAT | plant      |      | 0      |
| 570  | Hibiscus arnottianus immaculatus | Hibiscus arnottianus immaculatus     | HABITAT | plant      |      | 0      |
| 571  | Hibiscus b. brackenridgei        | Hibiscus brackenridgei brackenridgei | HABITAT | plant      |      | 0      |
| 572  | Hibiscus kokio kokio             | Hibiscus kokio kokio                 | HABITAT | plant      |      | 0      |
| 573  | Hibiscus kokio saintjohnianus    | Hibiscus kokio saintjohnianus        | HABITAT | plant      |      | 0      |
| 574  | Hibiscus waimeae hannerae        | Hibiscus waimeae hannerae            | HABITAT | plant      |      | 0      |
| 1050 | High coral diversity             |                                      | HABITAT | coral      |      | 0      |
| 1039 | High live coral cover            |                                      | HABITAT | coral      |      | 0      |
| 101  | High-tide bush                   | Iva frutescens                       | HABITAT | wetland    |      | 0      |
| 394  | Hillsborough chocolate lily      | Fritillaria biflora ineziana         | HABITAT | upland     |      | 0      |
| 389  | Hispid bird's-beak               | Cordylanthus mollis hispidus         | HABITAT | wetland    |      | 0      |
| 635  | Hooded arrowhead                 | Sagittaria calycina var. spongiosa   | HABITAT | plant      | G5T4 | 200507 |
| 755  | Hooded arrowhead                 | Sagittaria calycina                  | HABITAT | plant      | G5   | 200701 |
| 46   | Horned bladderwort               | Utricularia cornuta                  | HABITAT | fav        |      | 0      |
| 37   | Houghton's goldenrod             | Solidago houghtonii                  | HABITAT | wetland    |      | 0      |
| 125  | Houston machaeranthera           | Machaeranthera aurea                 | HABITAT | upland     |      | 0      |
| 71   | Howells spineflower              | Chorizanthe howellii                 | HABITAT | upland     |      | 0      |
| 263  | Huisache                         | Acacia farnesiana                    | HABITAT | upland     |      | 0      |
| 141  | Hydrilla                         | Hydrilla verticillata                | HABITAT | sav        |      | 0      |
| 731  | Hyssopleaf hedgenettle           | Stachys aspera                       | HABITAT | plant      | G4?  | 200701 |
| 442  | Ilex cookii                      | Ilex cookii                          | HABITAT | wetland    |      | 0      |
| 443  | Ilex sintenisii                  | Ilex sintenisii                      | HABITAT | wetland    |      | 0      |
| 483  | Ilex urbaniana                   | Ilex urbaniana                       | HABITAT | upland     |      | 0      |
| 791  | Incised agrimony                 | Agrimonia incisa                     | HABITAT | plant      | G3   | 200703 |
| 673  | Indianhemp                       | Apocynum cannabinum                  | HABITAT | plant      |      | 0      |
| 467  | Inland leatherfern               | Acrostichum danaeifolium             | HABITAT | wetland    |      | 0      |

|      |                                   |  |         |         |          |        |
|------|-----------------------------------|--|---------|---------|----------|--------|
| 1008 | Intermediate marsh                |  | HABITAT | wetland |          | 0      |
| 77   | Intermittent coastal wetlands     |  | HABITAT | wetland |          | 0      |
| 593  | Ischaemum byrone                  | Ischaemum byrone                           | HABITAT | plant   |          | 0      |
| 787  | Jackson false foxglove            | Agalinis filicaulis                        | HABITAT | plant   | G3G4     | 200703 |
| 444  | Juglans jamaicensis               | Juglans jamaicensis                        | HABITAT | upland  |          | 0      |
| 618  | Juniper sp.                       | Juniperus sp.                              | HABITAT | plant   |          | 0      |
| 565  | Kanaloa kahoolawensis             | Kanaloa kahoolawensis                      | HABITAT | plant   |          | 0      |
| 384  | Kellogg's horkelia                | Horkelia cuneata sericea                   | HABITAT | upland  |          | 0      |
| 413  | Kelp                              | Laminaria saludoncula                      | HABITAT | kelp    |          | 0      |
| 1056 | Kelp                              |  | HABITAT | kelp    |          | 0      |
| 260  | Key grass (shoregrass)            | Monanthochloe littoralis                   | HABITAT | wetland |          | 0      |
| 170  | Knieskern's beaked rush           | Rhynchospora knieskernii                   | HABITAT | wetland |          | 0      |
| 568  | Labordia helleri                  | Labordia helleri                           | HABITAT | plant   |          | 0      |
| 172  | Lace-lip lady's tresses           | Spiranthes laciniata                       | HABITAT | wetland |          | 0      |
| 68   | Lake cress                        |  | HABITAT | wetland |          | 0      |
| 35   | Lake Huron tansy                  | Tanacetum bipinnatum huronense             | HABITAT | upland  |          | 0      |
| 237  | Lake-side sunflower               | Helianthus carnosus                        | HABITAT | wetland |          | 0      |
| 837  | Large beaksedge                   | Rhynchospora macra                         | HABITAT | plant   | G3       | 200703 |
| 825  | Large white fringed orchid        | Platanthera blephariglottis var. conspicua | HABITAT | plant   | G4G5T4T5 |        |
|      | 200703                            |  |         |         |          |        |
| 732  | Largeflower valerian              | Valeriana pauciflora                       | HABITAT | plant   |          | 0      |
| 238  | Large-flowered grass-of-parnassus | Parnassia grandifolia                      | HABITAT | wetland |          | 0      |
| 830  | Largeleaf jointweed               | Polygonella macrophylla                    | HABITAT | plant   | G3       | 200703 |
| 173  | Larger buttonweed                 | Diodia virginiana                          | HABITAT | wetland |          | 0      |
| 846  | Largeroot morning-glory           | Ipomoea macrorhiza                         | HABITAT | plant   | G3G5     | 200704 |
| 702  | Largeseed forget-me-not           | Myosotis macrosperma                       | HABITAT | plant   | G5       | 200701 |
| 45   | Leafy northern green orchis       | Platanthera hyperborea                     | HABITAT | wetland |          | 0      |
| 704  | Leafy pondweed                    | Potamogeton foliosus                       | HABITAT | fav     | G5       | 200701 |
| 705  | Leatherleaf                       | Chamaedaphne calyculata                    | HABITAT | plant   | G5       | 200701 |
| 351  | Legenere                          | Legenere limosa                            | HABITAT | wetland |          | 0      |
| 63   | Lenticular sedge                  | Carex lenticularis                         | HABITAT | wetland |          | 0      |
| 445  | Lepanthes eltoroensis             | Lepanthes eltoroensis                      | HABITAT | upland  |          | 0      |
| 537  | Lepidium arbuscula                | Lepidium arbuscula                         | HABITAT | plant   |          | 0      |
| 538  | Lepidium bidentatum o-waihiense   | Lepidium bidentatum o-waihiense            | HABITAT | plant   |          | 0      |
| 539  | Lepidium serra                    | Lepidium serra                             | HABITAT | plant   |          | 0      |
| 446  | Leptocereus grantianus            | Leptocereus grantianus                     | HABITAT | upland  |          | 0      |
| 174  | Lesser bladderwort                | Utricularia minor                          | HABITAT | fav     |          | 0      |
| 283  | Lila de los llanos                | Echeandia chandleri                        | HABITAT | upland  |          | 0      |
| 531  | Lipochaeta lobata lobata          | Lipochaeta lobata lobata                   | HABITAT | plant   |          | 0      |
| 532  | Lipochaeta tenuifolia             | Lipochaeta tenuifolia                      | HABITAT | plant   |          | 0      |
| 126  | Little bluestem                   | Schizachyrium scoparium                    | HABITAT | upland  |          | 0      |

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|------|-------------------------------|--------------------------------------|---------|---------|------|--------|
| 690  | Little floatingheart          | <i>Nymphoides cordata</i>            | HABITAT | fav     | G5   | 200701 |
| 121  | Live oak                      | <i>Quercus virginiana</i>            | HABITAT | upland  |      | 0      |
| 510  | Live oak forest               |                                      | HABITAT | upland  |      | 0      |
| 314  | Lobe coral                    | <i>Porites lobata</i>                | HABITAT | coral   |      | 0      |
| 542  | Lobelia niihauensis           | <i>Lobelia niihauensis</i>           | HABITAT | plant   |      | 0      |
| 807  | Loblolly bay                  | <i>Gordonia lasianthus</i>           | HABITAT | plant   | G5   | 200703 |
| 706  | Log fern                      | <i>Dryopteris celsa</i>              | HABITAT | plant   | G4   | 200701 |
| 708  | Longbeak beaksedge            | <i>Rhynchospora scirpoides</i>       | HABITAT | plant   | G4   | 200701 |
| 808  | Longhorn bog orchid           | <i>Habenaria quinqueseta</i>         | HABITAT | plant   | G4G5 | 200703 |
| 508  | Longleaf pine savannah        |                                      | HABITAT | upland  |      | 0      |
| 627  | Long's bittercress            | <i>Cardamine longii</i>              | HABITAT | plant   | G3   | 200507 |
| 175  | Long's bulrush                | <i>Scirpus longii</i>                | HABITAT | wetland |      | 0      |
| 128  | Long-sepaled false dragonhead | <i>Physostegia longisepala</i>       | HABITAT | upland  |      | 0      |
| 203  | Low nutrush                   | <i>Scleria verticillata</i>          | HABITAT | wetland |      | 0      |
| 709  | Lowland yellow loosestrife    | <i>Lysimachia hybrida</i>            | HABITAT | plant   | G5   | 200701 |
| 447  | Lunania ekmanii               | <i>Lunania ekmanii</i>               | HABITAT | wetland |      | 0      |
| 410  | Lundell's whitlow-wort        | <i>Paronychia lundelliorum</i>       | HABITAT | upland  |      | 0      |
| 422  | Lyonia truncata proctorii     | <i>Lyonia truncata proctorii</i>     | HABITAT | upland  |      | 0      |
| 472  | Machaonia woodburyana         | <i>Machaonia woodburyana</i>         | HABITAT | upland  |      | 0      |
| 1036 | Macroalgae                    |                                      | HABITAT | sav     |      | 0      |
| 102  | Maliciae                      | <i>Maliciae</i>                      | HABITAT | plant   |      | 0      |
| 486  | Malpighia infestissima        | <i>Malpighia infestissima</i>        | HABITAT | upland  |      | 0      |
| 482  | Malpighia linearis            | <i>Malpighia linearis</i>            | HABITAT | upland  |      | 0      |
| 473  | Malpighia sp.                 | <i>Malpighia sp.</i>                 | HABITAT | upland  |      | 0      |
| 462  | Malpighia woodburyana         | <i>Malpighia woodburyana</i>         | HABITAT | upland  |      | 0      |
| 501  | Mammillaria nivosa            | <i>Mammillaria nivosa</i>            | HABITAT | upland  |      | 0      |
| 1024 | Managed marsh                 |                                      | HABITAT | wetland |      | 0      |
| 81   | Manatee grass                 | <i>Syringodium filiforme</i>         | HABITAT | sav     |      | 0      |
| 76   | Mangrove                      |                                      | HABITAT | wetland |      | 0      |
| 468  | Manilkara bidentata           | <i>Manilkara bidentata</i>           | HABITAT | upland  |      | 0      |
| 796  | Manyflower grasspink          | <i>Calopogon multiflorus</i>         | HABITAT | plant   | G2G3 | 200703 |
| 69   | Marin bent grass              | <i>Agrostis blasdalei marinensis</i> | HABITAT | upland  |      | 0      |
| 401  | Marin checker lily            | <i>Fritillaria affinis tristulis</i> | HABITAT | upland  |      | 0      |
| 372  | Marin checkerbloom            | <i>Sidalcea hickmanii viridis</i>    | HABITAT | wetland |      | 0      |
| 382  | Marin County navarretia       | <i>Navarretia rosulata</i>           | HABITAT | wetland |      | 0      |
| 380  | Marin knotweed                | <i>Polygonum marinense</i>           | HABITAT | upland  |      | 0      |
| 364  | Marin manzanita               | <i>Arctostaphylos virgata</i>        | HABITAT | upland  |      | 0      |
| 370  | Marin western flax            | <i>Hesperolinon congestum</i>        | HABITAT | upland  |      | 0      |
| 591  | Mariscus p. pennatiformis     | <i>Mariscus p. pennatiformis</i>     | HABITAT | plant   |      | 0      |
| 611  | Maritime dune scrub           |                                      | HABITAT | upland  |      | 0      |
| 1038 | Maritime holly forest         |                                      | HABITAT | wetland |      | 0      |

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|------|----------------------------------|--------------------------------------|---------|---------|------|--------|
| 658  | Maroon Carolina milkvine         | Matelea carolinensis                 | HABITAT | plant   | G4   | 200612 |
| 774  | Marsh pea                        | Lathyrus palustris                   | HABITAT | plant   |      | 0      |
| 352  | Marsh sandwort                   | Arenaria paludicola                  | HABITAT | wetland |      | 0      |
| 675  | Marsh skullcap                   | Scutellaria galericulata             | HABITAT | plant   |      | 0      |
| 628  | Marsh straw sedge                | Carex hormathodes                    | HABITAT | plant   | G4G5 | 200507 |
| 276  | Marshelder dodder                | Cuscuta attenuata                    | HABITAT | wetland |      | 0      |
| 598  | Marsilea villosa                 | Marsilea villosa                     | HABITAT | plant   |      | 0      |
| 322  | Mason's lilaeopsis               | Lilaeopsis masonii                   | HABITAT | wetland |      | 0      |
| 1040 | Massive coral colonies           |                                      | HABITAT | coral   |      | 0      |
| 494  | Maytenus cymosa                  | Maytenus cymosa                      | HABITAT | upland  |      | 0      |
| 3    | Menzies wallflower               | Erysimum menziesii                   | HABITAT | upland  |      | 0      |
| 265  | Mesquite                         | Prosopis glandulosa                  | HABITAT | upland  |      | 0      |
| 67   | Michaux's sedge                  | Carex michauxiana                    | HABITAT | wetland |      | 0      |
| 176  | Minute duckweed                  | Lemna perpusilla                     | HABITAT | fav     |      | 0      |
| 712  | Mitchell's sedge                 | Carex mitchelliana                   | HABITAT | plant   | G4   | 200701 |
| 448  | Mitracarpus maxwelliae           | Mitracarpus maxwelliae               | HABITAT | upland  |      | 0      |
| 449  | Mitracarpus polycladus           | Mitracarpus polycladus               | HABITAT | upland  |      | 0      |
| 400  | Mojave seablite                  | Suaeda moquinii                      | HABITAT | wetland |      | 0      |
| 361  | Montara manzanita                | Arctostaphylos montaraensis          | HABITAT | upland  |      | 0      |
| 25   | Moonwort                         | Botrychium lunaria                   | HABITAT | wetland |      | 0      |
| 272  | Morning glories                  | Ipomoea spp.                         | HABITAT | upland  |      | 0      |
| 836  | Mosquito beadsedge               | Rhynchospora crinipes                | HABITAT | plant   | G2   | 200703 |
| 346  | Most beautiful jewelflower       | Streptanthus albidus peramoenus      | HABITAT | upland  |      | 0      |
| 392  | Mt. Diablo fairy-lantern         | Calochortus pulchellus               | HABITAT | upland  |      | 0      |
| 357  | Mt. Diablo manzanita             | Arctostaphylos auriculata            | HABITAT | upland  |      | 0      |
| 348  | Mt. Tamalpais jewelflower        | Streptanthus glandulosus pulchellus  | HABITAT | upland  |      | 0      |
| 359  | Mt. Tamalpais manzanita          | Arctostaphylos hookeri montana       | HABITAT | upland  |      | 0      |
| 329  | Mt. Tamalpais thistle            | Cirsium hydrophilum vaseyi           | HABITAT | wetland |      | 0      |
| 778  | Mudbank crowngrass               | Paspalum dissectum                   | HABITAT | plant   | G4?  | 200701 |
| 631  | Muenschler's water nymph         | Najas guadalupensis ssp. Muenschleri | HABITAT | sav     | G5T1 | 200507 |
| 528  | Munroidendron racemosum          | Munroidendron racemosum              | HABITAT | plant   |      | 0      |
| 1047 | Mushroom corals                  |                                      | HABITAT | coral   |      | 0      |
| 1020 | Muted tidal marsh                |                                      | HABITAT | wetland |      | 0      |
| 423  | Myrcia paganii                   | Myrcia paganii                       | HABITAT | upland  |      | 0      |
| 487  | Myrcianthis                      | Myrcianthis fragerense               | HABITAT | upland  |      | 0      |
| 613  | Najas                            | Najas arguta                         | HABITAT | sav     |      | 0      |
| 734  | Narrowleaf willow                | Salix exigua                         | HABITAT | plant   | G5   | 200701 |
| 496  | Nashia inaguensis                | Nashia inaguensis                    | HABITAT | upland  |      | 0      |
| 1053 | Native coastal strand vegetation |                                      | HABITAT | plant   |      | 0      |
| 733  | New England bulrush              | Schoenoplectus novae-angliae         | HABITAT | plant   | G5   | 200701 |
| 178  | New Jersey rush                  | Juncus caesariensis                  | HABITAT | wetland |      | 0      |

|      |                             |   |         |         |        |        |
|------|-----------------------------|---|---------|---------|--------|--------|
| 840  | Nightflowering wild petunia | Ruellia noctiflora                        | HABITAT | plant   | G2     | 200703 |
| 620  | Nipa palm                   | Nypa fruticans                            | HABITAT | plant   |        | 0      |
| 792  | Nodding nixie               | Apteria aphylla                           | HABITAT | plant   | G4     | 200703 |
| 399  | Nootka alkaligrass          | Puccinellia nutkaensis                    | HABITAT | wetland |        | 0      |
| 402  | North coast semaphore grass | Pleuropogon hooverianus                   | HABITAT | wetland |        | 0      |
| 29   | Northern comandra           | Geocaulon lividum                         | HABITAT | upland  |        | 0      |
| 1013 | Northern maritime chaparral |   | HABITAT | upland  |        | 0      |
| 585  | Nothoestrum breviflorum     | Nothoestrum breviflorum                   | HABITAT | plant   |        | 0      |
| 523  | Nototrichium humile         | Nototrichium humile                       | HABITAT | plant   |        | 0      |
| 718  | Nottoway Valley brome       | Bromus nottowayanus                       | HABITAT | plant   | G3G5   | 200701 |
| 239  | Ocala vetch                 | Vicia ocalensis                           | HABITAT | wetland |        | 0      |
| 525  | Ochrosia haleakalae         | Ochrosia haleakalae                       | HABITAT | plant   |        | 0      |
| 526  | Ochrosia kauaiensis         | Ochrosia kauaiensis                       | HABITAT | plant   |        | 0      |
| 1055 | Octocoral bed               |   | HABITAT | coral   |        | 0      |
| 240  | Okeechobee gourd            | Cucurbita okeechobeensis                  | HABITAT | upland  |        | 0      |
| 615  | Old growth evergreen forest |   | HABITAT | upland  |        | 0      |
| 103  | Olney's three-square        | Scirpus americanus                        | HABITAT | wetland |        | 0      |
| 599  | Ophioglossum concinnum      | Ophioglossum concinnum                    | HABITAT | plant   |        | 0      |
| 719  | Ostrich fern                | Matteuccia struthiopteris                 | HABITAT | plant   | G5     | 200701 |
| 424  | Ottoschulzia rhodoxylon     | Ottoschulzia rhodoxylon                   | HABITAT | upland  |        | 0      |
| 362  | Pacific manzanita           | Arctostaphylos pacifica                   | HABITAT | upland  |        | 0      |
| 765  | Pale dock                   | Rumex altissimus                          | HABITAT | plant   | G5     | 200701 |
| 30   | Pale false foxglove         | Agalinis skinneriana                      | HABITAT | upland  |        | 0      |
| 720  | Palegreen orchid            | Platanthera flava                         | HABITAT | plant   | G4     | 200701 |
| 826  | Palegreen orchid            | Platanthera flava var. flava              | HABITAT | plant   | G4T4?Q | 200703 |
| 363  | Pallid manzanita            | Arctostaphylos pallida                    | HABITAT | upland  |        | 0      |
| 1005 | Palustrine scrub-shrub      |   | HABITAT | wetland |        | 0      |
| 815  | Panhandle lily              | Lilium iridollae                          | HABITAT | plant   | G2     | 200703 |
| 594  | Panicum beecheyi            | Panicum beecheyi                          | HABITAT | plant   |        | 0      |
| 595  | Panicum fauriei carteri     | Panicum fauriei carteri                   | HABITAT | plant   |        | 0      |
| 597  | Panicum lineale             | Panicum lineale                           | HABITAT | plant   |        | 0      |
| 596  | Panicum niihauense          | Panicum niihauense                        | HABITAT | plant   |        | 0      |
| 710  | Partridge pea               | Chamaecrista fasciculata var. macrosperma | HABITAT | plant   | G5T3   | 200701 |
| 122  | Pecan                       | Carya illinoensis                         | HABITAT | upland  |        | 0      |
| 478  | Peperomia myrtifolia        | Peperomia myrtifolia                      | HABITAT | upland  |        | 0      |
| 450  | Peperomia wheeleri          | Peperomia wheeleri                        | HABITAT | upland  |        | 0      |
| 629  | Peruvian dodder             | Cuscuta obtusiflora var. glandulosa       | HABITAT | plant   | G5T4T5 | 200507 |
| 293  | Petticoat algae             | Padina sp.                                | HABITAT | algae   |        | 0      |
| 524  | Peucedanum sandwicense      | Peucedanum sandwicense                    | HABITAT | plant   |        | 0      |
| 241  | Piedmont jointgrass         | Mnesithea tuberculosa                     | HABITAT | wetland |        | 0      |
| 179  | Pine Barren boneset         | Eupatorium resinosum                      | HABITAT | wetland |        | 0      |

|      |                                  |   |         |         |    |        |
|------|----------------------------------|---|---------|---------|----|--------|
| 212  | Pine barren ruellia              | <i>Ruellia pedunculata pinetorum</i>    | HABITAT | upland  |    | 0      |
| 511  | Pine flatwoods                   |   | HABITAT | upland  |    | 0      |
| 512  | Pine savannah                    |   | HABITAT | upland  |    | 0      |
| 814  | Pineland bogbutton               | <i>Lachnocaulon digynum</i>             | HABITAT | plant   | G3 | 200703 |
| 722  | Pink bogbutton                   | <i>Sclerolepis uniflora</i>             | HABITAT | plant   | G4 | 200701 |
| 171  | Pink redstem                     | <i>Ammannia latifolia</i>               | HABITAT | wetland | G5 | 200701 |
| 12   | Pitcher's thistle (Dune thistle) | <i>Cirsium pitcheri</i>                 | HABITAT | upland  |    | 0      |
| 575  | Pittosporum napaliense           | <i>Pittosporum napaliense</i>           | HABITAT | plant   |    | 0      |
| 281  | Plains gumweed                   | <i>Grindelia oolepis</i>                | HABITAT | upland  |    | 0      |
| 459  | Pleodendron macranthum           | <i>Pleodendron macranthum</i>           | HABITAT | wetland |    | 0      |
| 388  | Point Reyes bird's-beak          | <i>Cordylanthus maritimus palustris</i> | HABITAT | wetland |    | 0      |
| 371  | Point Reyes checkerbloom         | <i>Sidalcea calycosa rhizomata</i>      | HABITAT | wetland |    | 0      |
| 451  | Polygala cowellii                | <i>Polygala cowellii</i>                | HABITAT | upland  |    | 0      |
| 304  | Polystichum calderonense         | <i>Polystichum calderonense</i>         | HABITAT | upland  |    | 0      |
| 470  | Pond apple                       | <i>Annona glabra</i>                    | HABITAT | wetland |    | 0      |
| 242  | Pond spice                       | <i>Litsea aestivalis</i>                | HABITAT | wetland |    | 0      |
| 105  | Pondweed                         | <i>Potamogeton</i> spp.                 | HABITAT | fav     |    | 0      |
| 143  | Pondweed                         | <i>Potamogeton</i> sp.                  | HABITAT | sav     |    | 0      |
| 578  | Portulaca molokiniensis          | <i>Portulaca molokiniensis</i>          | HABITAT | plant   |    | 0      |
| 576  | Portulaca sclerocarpa            | <i>Portulaca sclerocarpa</i>            | HABITAT | plant   |    | 0      |
| 577  | Portulaca villosa                | <i>Portulaca villosa</i>                | HABITAT | plant   |    | 0      |
| 679  | Possumhaw                        | <i>Ilex decidua</i>                     | HABITAT | plant   | G5 | 200701 |
| 844  | Powdery alligator-flag           | <i>Thalia dealbata</i>                  | HABITAT | plant   | G4 | 200703 |
| 44   | Prairie fame-flower              | <i>Talinum rugospermum</i>              | HABITAT | upland  |    | 0      |
| 513  | Prairie terrace loess forest     |   | HABITAT | upland  |    | 0      |
| 220  | Prairie white-fringed orchid     | <i>Platanthera leucophaea</i>           | HABITAT | wetland |    | 0      |
| 374  | Presidio clarkia                 | <i>Clarkia franciscana</i>              | HABITAT | upland  |    | 0      |
| 358  | Presidio manzanita               | <i>Arctostaphylos hookeri ravenii</i>   | HABITAT | upland  |    | 0      |
| 588  | Pritchardia affinis              | <i>Pritchardia affinis</i>              | HABITAT | plant   |    | 0      |
| 589  | Pritchardia lowreyana            | <i>Pritchardia lowreyana</i>            | HABITAT | plant   |    | 0      |
| 604  | Pritchardia remota               | <i>Pritchardia remota</i>               | HABITAT | plant   |    | 0      |
| 602  | Pseudognaphalium s. molokaiense  | <i>Pseudognaphalium s. molokaiense</i>  | HABITAT | plant   |    | 0      |
| 476  | Psidium sp.                      | <i>Psidium</i> sp.                      | HABITAT | upland  |    | 0      |
| 465  | Psychilis macconelliae           | <i>Psychilis macconelliae</i>           | HABITAT | upland  |    | 0      |
| 70   | Pt. Reyes blennosperma           | <i>Blennosperma nanum robustum</i>      | HABITAT | wetland |    | 0      |
| 527  | Pteralyxia kauaiensis            | <i>Pteralyxia kauaiensis</i>            | HABITAT | plant   |    | 0      |
| 425  | Pterocarpus swamp                | <i>Pterocarpus officinalis</i>          | HABITAT | wetland |    | 0      |
| 180  | Pumpkin ash                      | <i>Fraxinus profunda</i>                | HABITAT | wetland |    | 0      |
| 716  | Purple pitcherplant              | <i>Sarracenia purpurea</i>              | HABITAT | plant   | G5 | 200701 |
| 181  | Puttyroot                        | <i>Aplectrum hyemale</i>                | HABITAT | wetland |    | 0      |
| 1045 | Rare algae                       |   | HABITAT | sav     |    | 0      |

|      |                                   |   |         |            |      |        |
|------|-----------------------------------|---|---------|------------|------|--------|
| 254  | Rare community                    |   | HABITAT | plant      |      | 0      |
| 1041 | Rare coral                        |   | HABITAT | coral      |      | 0      |
| 214  | Rare plant                        |   | HABITAT | plant      |      | 0      |
| 255  | Rare terrestrial plant            |   | HABITAT | upland     |      | 0      |
| 257  | Rare wetland/aquatic plant        |   | HABITAT | wetland    |      | 0      |
| 852  | "Rare, LT, or LE plant"           |   | HABITAT | plant      |      | 0      |
| 182  | Rare-flowering beaked rush        | <i>Rhynchospora rariflora</i>           | HABITAT | wetland    |      | 0      |
| 343  | Rayless ragwort                   | <i>Senecio aphanactis</i>               | HABITAT | upland     |      | 0      |
| 1046 | Red algae                         |   | HABITAT | sav        |      | 0      |
| 183  | Red goosefoot                     | <i>Chenopodium rubrum</i>               | HABITAT | wetland    |      | 0      |
| 725  | Red milkweed                      | <i>Asclepias rubra</i>                  | HABITAT | plant      | G4G5 | 200701 |
| 726  | Red turtlehead                    | <i>Chelone obliqua</i>                  | HABITAT | plant      | G4   | 200701 |
| 275  | Redbay                            | <i>Persea borbonia</i>                  | HABITAT | wetland    | G5   | 200701 |
| 411  | Reef                              |   | HABITAT | reef       |      | 0      |
| 1042 | Reef pinnacle                     |   | HABITAT | coral      |      | 0      |
| 727  | Reflexed flatsedge                | <i>Cyperus refractus</i>                | HABITAT | plant      | G5   | 200701 |
| 43   | Reticulated nutrush               | <i>Scleria reticularis</i>              | HABITAT | wetland    |      | 0      |
| 834  | Ribbed mock bishopweed            | <i>Ptilimnium costatum</i>              | HABITAT | plant      | G3G4 | 200703 |
| 1004 | Rice field                        |   | HABITAT | wetland    |      | 0      |
| 729  | Robbins' spikerush                | <i>Eleocharis robbinsii</i>             | HABITAT | plant      | G4G5 | 200701 |
| 184  | Robin-run-away                    | <i>Dalibarda repens</i>                 | HABITAT | upland     |      | 0      |
| 378  | Robust spineflower                | <i>Chorizanthe robusta</i>              | HABITAT | upland     |      | 0      |
| 647  | Rock buttercup                    | <i>Ranunculus micranthus</i>            | HABITAT | plant      | G5   | 200507 |
| 1032 | Rock reef                         |   | HABITAT | hardbottom |      | 0      |
| 16   | Rock sandwort                     | <i>Minuartia michauxii michauxii</i>    | HABITAT | upland     |      | 0      |
| 756  | Rosebud orchid                    | <i>Cleistes divaricata</i>              | HABITAT | plant      | G4   | 200701 |
| 185  | Rough cottongrass                 | <i>Eriophorum tenellum</i>              | HABITAT | wetland    |      | 0      |
| 186  | Rough flatsedge                   | <i>Cyperus retrofractus</i>             | HABITAT | upland     |      | 0      |
| 277  | Roughseed sea-purslane            | <i>Sesuvium trianthemoides</i>          | HABITAT | wetland    |      | 0      |
| 387  | Round-headed Chinese houses       | <i>Collinsia corymbosa</i>              | HABITAT | upland     |      | 0      |
| 1022 | Ruderal bayland                   |   | HABITAT | upland     |      | 0      |
| 129  | Runyon's waterwillow              | <i>Justicia runyonii</i>                | HABITAT | wetland    |      | 0      |
| 827  | Rush featherling                  | <i>Pleea tenuifolia</i>                 | HABITAT | plant      | G4   | 200703 |
| 106  | Rushes                            | <i>Juncus</i> spp.                      | HABITAT | wetland    |      | 0      |
| 514  | Salt dome                         |   | HABITAT | upland     |      | 0      |
| 107  | Salt grass                        | <i>Distichlis spicata</i>               | HABITAT | wetland    |      | 0      |
| 1010 | Salt marsh                        |   | HABITAT | wetland    |      | 0      |
| 5    | Salt marsh bird's-beak            | <i>Cordylanthus maritimus maritimus</i> | HABITAT | wetland    |      | 0      |
| 108  | Salt marsh bulrush                | <i>Scirpus robustus</i>                 | HABITAT | wetland    |      | 0      |
| 268  | Salt marsh bulrush                | <i>Scirpus maritimus</i>                | HABITAT | wetland    |      | 0      |
| 109  | Salt meadow cordgrass (wiregrass) | <i>Spartina patens</i>                  | HABITAT | wetland    |      | 0      |



|      |                               |  |         |         |      |        |
|------|-------------------------------|--|---------|---------|------|--------|
| 1026 | Salt pond                     |  | HABITAT | wetland |      | 0      |
| 1001 | Salt-brackish marsh           |  | HABITAT | wetland |      | 0      |
| 206  | Saltmarsh spikerush           | <i>Eleocharis halophila</i>            | HABITAT | wetland |      | 0      |
| 110  | Saltwort                      | <i>Batis maritima</i>                  | HABITAT | wetland |      | 0      |
| 360  | San Bruno Mtn. manzanita      | <i>Arctostaphylos imbricata</i>        | HABITAT | upland  |      | 0      |
| 377  | San Francisco Bay spineflower | <i>Chorizanthe cuspidata cuspidata</i> | HABITAT | upland  |      | 0      |
| 353  | San Francisco campion         | <i>Silene verecunda verecunda</i>      | HABITAT | upland  |      | 0      |
| 331  | San Francisco gumplant        | <i>Grindelia hirsutula maritima</i>    | HABITAT | upland  |      | 0      |
| 339  | San Francisco lessingia       | <i>Lessingia germanorum</i>            | HABITAT | upland  |      | 0      |
| 390  | San Francisco owl's-clover    | <i>Triphysaria floribunda</i>          | HABITAT | upland  |      | 0      |
| 344  | San Francisco popcorn-flower  | <i>Plagiobothrys diffusus</i>          | HABITAT | wetland |      | 0      |
| 354  | San Joaquin saltbush          | <i>Atriplex joaquiniana</i>            | HABITAT | upland  |      | 0      |
| 368  | San Mateo thornmint           | <i>Acanthomintha duttonii</i>          | HABITAT | upland  |      | 0      |
| 330  | San Mateo woolly sunflower    | <i>Eriophyllum latilobum</i>           | HABITAT | upland  |      | 0      |
| 11   | Sand (Monterey) gilia         | <i>Gilia tenuiflora arenaria</i>       | HABITAT | upland  |      | 0      |
| 34   | Sand dune willow              | <i>Salix cordata</i>                   | HABITAT | wetland |      | 0      |
| 824  | Sand pine                     | <i>Pinus clausa</i>                    | HABITAT | plant   | G4   | 200703 |
| 26   | Sand reed                     | <i>Calamovilfa longifolia</i>          | HABITAT | upland  |      | 0      |
| 42   | Sand-heather                  | <i>Hudsonia tomentosa</i>              | HABITAT | upland  |      | 0      |
| 318  | Sandplain gerardia            | <i>Agalinis acuta</i>                  | HABITAT | upland  |      | 0      |
| 373  | Santa Clara red ribbons       | <i>Clarkia concinna automixa</i>       | HABITAT | upland  |      | 0      |
| 341  | Santa Cruz microseris         | <i>Stebbinsoseris decipiens</i>        | HABITAT | upland  |      | 0      |
| 334  | Santa Cruz tarplant           | <i>Holocarpha macradenia</i>           | HABITAT | upland  |      | 0      |
| 294  | Saragassum                    | <i>Sargassum liebmanii</i>             | HABITAT | algae   |      | 0      |
| 317  | Saragassum                    | <i>Sargassum spp.</i>                  | HABITAT | algae   |      | 0      |
| 813  | Sarvis holly                  | <i>Ilex amelanchier</i>                | HABITAT | plant   | G4   | 200703 |
| 806  | Savannah aster                | <i>Eurybia chapmanii</i>               | HABITAT | plant   | G2G3 | 200703 |
| 809  | Savannah sneezeweed           | <i>Helenium vernale</i>                | HABITAT | plant   | G4?  | 200703 |
| 567  | Scaevola coriacea             | <i>Scaevola coriacea</i>               | HABITAT | plant   |      | 0      |
| 786  | Scaleaf false foxglove        | <i>Agalinis aphylla</i>                | HABITAT | plant   | G3G4 | 200703 |
| 829  | Scalloped milkwort            | <i>Polygala crenata</i>                | HABITAT | plant   | G4?  | 200703 |
| 130  | Scarlet catchfly              | <i>Silene subciliata</i>               | HABITAT | upland  |      | 0      |
| 811  | Scarlet rosemallow            | <i>Hibiscus coccineus</i>              | HABITAT | plant   | G4?  | 200703 |
| 543  | Schiedea apokremnos           | <i>Schiedea apokremnos</i>             | HABITAT | plant   |      | 0      |
| 544  | Schiedea globosa              | <i>Schiedea globosa</i>                | HABITAT | plant   |      | 0      |
| 545  | Schiedea kealiae              | <i>Schiedea kealiae</i>                | HABITAT | plant   |      | 0      |
| 546  | Schiedea ligustrina           | <i>Schiedea ligustrina</i>             | HABITAT | plant   |      | 0      |
| 547  | Schiedea lydgatei             | <i>Schiedea lydgatei</i>               | HABITAT | plant   |      | 0      |
| 549  | Schiedea menziesii            | <i>Schiedea menziesii</i>              | HABITAT | plant   |      | 0      |
| 548  | Schiedea stellarioides        | <i>Schiedea stellarioides</i>          | HABITAT | plant   |      | 0      |
| 605  | Schiedea verticillata         | <i>Schiedea verticillata</i>           | HABITAT | plant   |      | 0      |

|      |                           |                                    |         |         |      |        |
|------|---------------------------|------------------------------------|---------|---------|------|--------|
| 426  | Schoepfia arenaria        | Schoepfia arenaria                 | HABITAT | upland  |      | 0      |
| 469  | Schoepfia schreberi       | Schoepfia schreberi                | HABITAT | upland  |      | 0      |
| 640  | Schweinitz's flatsedge    | Cyperus schweinitzii               | HABITAT | plant   | G5   | 200507 |
| 41   | Scirpus-like rush         | Juncus scirpoides                  | HABITAT | wetland |      | 0      |
| 243  | Scrub bay                 | Persea humilis                     | HABITAT | wetland |      | 0      |
| 244  | Scrub holly               | Ilex opaca                         | HABITAT | upland  |      | 0      |
| 1051 | Scrub-shrub wetland       |                                    | HABITAT | wetland |      | 0      |
| 288  | Sea ferns                 | Bryopsis spp.                      | HABITAT | algae   |      | 0      |
| 269  | Sea lavender              | Limonium carolinianum              | HABITAT | wetland |      | 0      |
| 619  | Sea lettuce               | Ulva sp.                           | HABITAT | algae   |      | 0      |
| 1035 | Sea level fen             |                                    | HABITAT | wetland |      | 0      |
| 131  | Sea oats                  | Uniola paniculata                  | HABITAT | upland  |      | 0      |
| 261  | Sea ox-eye daisy          | Borrchia frutescens                | HABITAT | wetland |      | 0      |
| 503  | Sea pink                  | Sabatia stellaris                  | HABITAT | wetland |      | 0      |
| 21   | Sea rocket                | Cakile edentula                    | HABITAT | upland  |      | 0      |
| 145  | Seabeach amaranth         | Amaranthus pumilus                 | HABITAT | wetland |      | 0      |
| 188  | Sea-beach milkwort        | Glaux maritima                     | HABITAT | wetland |      | 0      |
| 264  | Sea-blite                 | Suaeda spp.                        | HABITAT | wetland |      | 0      |
| 133  | Seacoast bluestem         | Schizachyrium scoparium littoralis | HABITAT | upland  |      | 0      |
| 85   | Seagrass                  |                                    | HABITAT | sav     |      | 0      |
| 111  | Seashore paspalum         | Paspalum vaginatum                 | HABITAT | wetland |      | 0      |
| 151  | Seaside alder             | Alnus maritima                     | HABITAT | wetland |      | 0      |
| 33   | Seaside crowfoot          | Ranunculus cymbalaria              | HABITAT | wetland |      | 0      |
| 189  | Sea-side evening primrose | Oenothera humifusa                 | HABITAT | upland  |      | 0      |
| 308  | Seaside heliotrope        | Heliotropium curassavicum          | HABITAT | upland  |      | 0      |
| 187  | Seaside knotweed          | Polygonum glaucum                  | HABITAT | upland  |      | 0      |
| 736  | Seaside sandplant         | Honckenya peploides                | HABITAT | plant   | G5   | 200701 |
| 15   | Seaside spurge            | Chamaesyce polygonifolia           | HABITAT | upland  |      | 0      |
| 737  | Seaside threeawn          | Aristida tuberculosa               | HABITAT | plant   | G5   | 200701 |
| 1016 | Serpentine bunchgrass     |                                    | HABITAT | upland  |      | 0      |
| 563  | Sesbania tomentosa        | Sesbania tomentosa                 | HABITAT | plant   |      | 0      |
| 742  | Sevenangle pipewort       | Eriocaulon aquaticum               | HABITAT | plant   | G5   | 200701 |
| 1033 | Shelf-edge reef           |                                    | HABITAT | coral   |      | 0      |
| 782  | Shining lady's tresses    | Spiranthes lucida                  | HABITAT | plant   |      | 0      |
| 799  | Shiny woodoats            | Chasmanthium nitidum               | HABITAT | plant   | G3   | 200703 |
| 79   | Shoal grass               | Halodule beaudettei                | HABITAT | sav     |      | 0      |
| 728  | Shore quillwort           | Isoetes riparia                    | HABITAT | plant   | G5?  | 200701 |
| 286  | Shoreline seapurslane     | Sesuvium portulacastrum            | HABITAT | plant   | G5   | 200701 |
| 743  | Shoreline sedge           | Carex hyalinolepis                 | HABITAT | plant   | G4G5 | 200701 |
| 191  | Short-fruited rush        | Juncus brachycarpus                | HABITAT | wetland |      | 0      |
| 668  | Shortleaf skeletongrass   | Gymnopogon brevifolius             | HABITAT | plant   | G5   | 200701 |

|      |  |                                   |         |         |      |        |
|------|--|-----------------------------------|---------|---------|------|--------|
| 744  | Showy goldenrod                            | <i>Solidago speciosa</i>          | HABITAT | plant   | G5   | 200701 |
| 367  | Showy indian clover                        | <i>Trifolium amoenum</i>          | HABITAT | upland  |      | 0      |
| 340  | Showy madia                                | <i>Madia radiata</i>              | HABITAT | upland  |      | 0      |
| 40   | Silverweed                                 | <i>Potentilla anserina</i>        | HABITAT | wetland |      | 0      |
| 745  | Singlehead pussytoes                       | <i>Antennaria solitaria</i>       | HABITAT | plant   | G5   | 200701 |
| 603  | <i>Sinularia molokaiensis</i> (soft coral) | <i>Sinularia molokaiensis</i>     | HABITAT | coral   |      | 0      |
| 515  | Slash pine/post oak forest                 |                                   | HABITAT | upland  |      | 0      |
| 516  | Slash pine-cypress/hardwood forest         |                                   | HABITAT | wetland |      | 0      |
| 747  | Slender blue iris                          | <i>Iris prismatica</i>            | HABITAT | plant   | G4G5 | 200701 |
| 740  | Slender seapurslane                        | <i>Sesuvium maritimum</i>         | HABITAT | plant   | G5   | 200701 |
| 192  | Slender water-milfoil                      | <i>Myriophyllum tenellum</i>      | HABITAT | sav     |      | 0      |
| 768  | Slender waternymph                         | <i>Najas gracillima</i>           | HABITAT | plant   | G5?  | 200701 |
| 828  | Slenderleaf clammyweed                     | <i>Polanisia tenuifolia</i>       | HABITAT | plant   | G5   | 200703 |
| 245  | Slender-leaved dragon-head                 | <i>Physostegia leptophylla</i>    | HABITAT | wetland |      | 0      |
| 403  | Slender-leaved pondweed                    | <i>Potamogeton filiformis</i>     | HABITAT | fav     |      | 0      |
| 497  | Sloe                                       | <i>Reynosia uncinata</i>          | HABITAT | upland  |      | 0      |
| 39   | Small floating manna-grass                 | <i>Glyceria borealis</i>          | HABITAT | wetland |      | 0      |
| 746  | Small pondweed                             | <i>Potamogeton pusillus</i>       | HABITAT | sav     | G5   | 200701 |
| 748  | Small waterwort                            | <i>Elatine minima</i>             | HABITAT | plant   | G5   | 200701 |
| 193  | Small yellow pond lily                     | <i>Nuphar lutea pumila</i>        | HABITAT | fav     |      | 0      |
| 750  | Smallflower baby blue eyes                 | <i>Nemophila aphylla</i>          | HABITAT | plant   | G5   | 200701 |
| 751  | Smallfruit beggarticks                     | <i>Bidens mitis</i>               | HABITAT | plant   | G4?  | 200701 |
| 194  | Small-headed beaked rush                   | <i>Rhynchospora microcephala</i>  | HABITAT | wetland |      | 0      |
| 14   | Smartweed                                  | <i>Polygonum careyi</i>           | HABITAT | wetland |      | 0      |
| 626  | Smooth beggartick                          | <i>Bidens laevis</i>              | HABITAT | plant   | G%   | 200507 |
| 135  | Smooth blue-star                           | <i>Amsonia glaberrima</i>         | HABITAT | wetland |      | 0      |
| 112  | Smooth cordgrass                           | <i>Spartina alterniflora</i>      | HABITAT | wetland |      | 0      |
| 32   | Smooth phlox                               | <i>Phlox glaberrima</i>           | HABITAT | wetland |      | 0      |
| 801  | Smooth sawgrass                            | <i>Cladium mariscoides</i>        | HABITAT | plant   | G5   | 200703 |
| 408  | Snake-eyes                                 | <i>Phaulothamnus spinescens</i>   | HABITAT | wetland |      | 0      |
| 730  | Snakemouth orchid                          | <i>Pogonia ophioglossoides</i>    | HABITAT | plant   | G5   | 200701 |
| 195  | Snowy orchid                               | <i>Platanthera nivea</i>          | HABITAT | wetland |      | 0      |
| 72   | Soft bird's-beak                           | <i>Cordylanthus mollis mollis</i> | HABITAT | wetland |      | 0      |
| 1043 | Soft coral                                 |                                   | HABITAT | coral   |      | 0      |
| 427  | <i>Solanum drymophilum</i>                 | <i>Solanum drymophilum</i>        | HABITAT | upland  |      | 0      |
| 484  | <i>Solanum mucronatum</i>                  | <i>Solanum mucronatum</i>         | HABITAT | upland  |      | 0      |
| 586  | <i>Solanum nelsonii</i>                    | <i>Solanum nelsonii</i>           | HABITAT | plant   |      | 0      |
| 379  | Sonoma spineflower                         | <i>Chorizanthe valida</i>         | HABITAT | upland  |      | 0      |
| 325  | Sonoma sunshine                            | <i>Blennosperma bakeri</i>        | HABITAT | wetland |      | 0      |
| 284  | South Texas ambrosia                       | <i>Ambrosia cheiranthifolia</i>   | HABITAT | upland  |      | 0      |
| 686  | Southern bayberry                          | <i>Morella caroliniensis</i>      | HABITAT | plant   | G5   | 200701 |

|      |                                     |   |         |         |      |        |
|------|-------------------------------------|---|---------|---------|------|--------|
| 794  | Southern bluethread                 | <i>Burmannia capitata</i>                     | HABITAT | plant   | G5   | 200303 |
| 715  | Southern crabapple                  | <i>Malus angustifolia</i>                     | HABITAT | plant   | G5?  | 200701 |
| 246  | Southern milkweed                   | <i>Asclepias viridula</i>                     | HABITAT | wetland |      | 0      |
| 82   | Southern naiad                      | <i>Najas guadalupensis</i>                    | HABITAT | sav     |      | 0      |
| 211  | Southern three-awned grass          | <i>Aristida simpliciflora</i>                 | HABITAT | upland  |      | 0      |
| 741  | Southern waxy sedge                 | <i>Carex glaucescens</i>                      | HABITAT | plant   | G4   | 200701 |
| 216  | Spatterdock                         | <i>Nuphar lutea</i>                           | HABITAT | fav     |      | 0      |
| 64   | Spike trisetum                      | <i>Trisetum spicatum</i>                      | HABITAT | upland  |      | 0      |
| 312  | Spikegrass                          | <i>Uniola pittieri</i>                        | HABITAT | upland  |      | 0      |
| 113  | Spikerushes                         | <i>Eleocharis</i> spp.                        | HABITAT | wetland |      | 0      |
| 695  | Spindleroot                         | <i>Ludwigia hirtella</i>                      | HABITAT | plant   | G5   | 200701 |
| 723  | Spineless hornwort                  | <i>Ceratophyllum echinatum</i>                | HABITAT | plant   | G4?  | 200701 |
| 456  | Spiny naiad                         | <i>Najas marina</i>                           | HABITAT | sav     |      | 0      |
| 248  | Spoon-flower                        | <i>Peltandra sagittifolia</i>                 | HABITAT | wetland |      | 0      |
| 51   | Spotted pondweed                    | <i>Potamogeton pulcher</i>                    | HABITAT | fav     |      | 0      |
| 209  | Spring flowering goldenrod          | <i>Solidago verna</i>                         | HABITAT | wetland |      | 0      |
| 817  | Spring Hill flax                    | <i>Linum macrocarpum</i>                      | HABITAT | plant   | G2   | 200703 |
| 517  | Spruce pine-hardwood mesic flatwood |   | HABITAT | upland  |      | 0      |
| 757  | Spurred butterfly pea               | <i>Centrosema virginianum</i>                 | HABITAT | plant   | G5   | 200701 |
| 249  | St. John's susan                    | <i>Rudbeckia nitida</i>                       | HABITAT | wetland |      | 0      |
| 1012 | Stabilized interior dunes           |   | HABITAT | upland  |      | 0      |
| 819  | Staghorn clubmoss                   | <i>Lycopodiella cernua</i> var. <i>cernua</i> | HABITAT | plant   | G5T5 | 200703 |
| 428  | Stahlia monosperma                  | <i>Stahlia monosperma</i>                     | HABITAT | wetland |      | 0      |
| 758  | Star duckweed                       | <i>Lemna trisulca</i>                         | HABITAT | plant   | G5   | 200701 |
| 759  | Starry false lily of the valley     | <i>Maianthemum stellatum</i>                  | HABITAT | plant   | G5   | 200701 |
| 50   | Sticky goldenrod                    | <i>Solidago simplex randii</i>                | HABITAT | upland  |      | 0      |
| 196  | Stinking fleabane                   | <i>Pluchea foetida</i>                        | HABITAT | wetland |      | 0      |
| 1027 | Storage/Treatment pond              |   | HABITAT | wetland |      | 0      |
| 784  | Stout smartweed                     | <i>Polygonum robustius</i>                    | HABITAT | plant   | G4G5 | 200701 |
| 1044 | Structural coral reef               |   | HABITAT | coral   |      | 0      |
| 452  | <i>Styrax portoricensis</i>         | <i>Styrax portoricensis</i>                   | HABITAT | upland  |      | 0      |
| 609  | Submerged aquatic vegetation        |   | HABITAT | sav     |      | 0      |
| 1048 | Submerged barrier reef              |   | HABITAT | coral   |      | 0      |
| 213  | Submersed aquatic vegetation        |   | HABITAT | sav     |      | 0      |
| 324  | Suisun marsh aster                  | <i>Aster lentus</i>                           | HABITAT | wetland |      | 0      |
| 328  | Suisun thistle                      | <i>Cirsium hydrophilum hydrophilum</i>        | HABITAT | wetland |      | 0      |
| 302  | Sun coral                           | <i>Tubastrea faulkneri</i>                    | HABITAT | coral   |      | 0      |
| 114  | Sundews                             | <i>Drosera</i> spp.                           | HABITAT | wetland |      | 0      |
| 652  | Sundial lupine                      | <i>Lupinus perennis</i>                       | HABITAT | plant   | G5   | 200507 |
| 74   | Surf thistle                        | <i>Cirsium rhothophilum</i>                   | HABITAT | upland  |      | 0      |
| 7    | Surfgrass                           | <i>Phyllospadix</i> sp.                       | HABITAT | sav     |      | 0      |

|      |                                     |  |         |         |    |        |
|------|-------------------------------------|--|---------|---------|----|--------|
| 648  | Swamp cottonwood                    | <i>Populus heterophylla</i>                | HABITAT | plant   | G5 | 200507 |
| 633  | Swamp lousewort                     | <i>Pedicularis lanceolata</i>              | HABITAT | plant   | G5 | 200507 |
| 762  | Swamp wedgescale                    | <i>Sphenopholis pensylvanica</i>           | HABITAT | plant   | G4 | 200701 |
| 198  | Swamp-pink                          | <i>Helonias bullata</i>                    | HABITAT | wetland |    | 0      |
| 776  | Swaying bulrush                     | <i>Schoenoplectus subterminalis</i>        | HABITAT | plant   |    | 0      |
| 764  | Swollen bladderwort                 | <i>Utricularia inflata</i>                 | HABITAT | plant   | G5 | 200701 |
| 520  | Table coral                         | <i>Acropora cytheria</i>                   | HABITAT | coral   |    | 0      |
| 347  | Tamalpais jewelflower               | <i>Streptanthus batrachopus</i>            | HABITAT | upland  |    | 0      |
| 337  | Tamalpais lessingia                 | <i>Lessingia micradenia micradenia</i>     | HABITAT | upland  |    | 0      |
| 73   | Tamarack Swamp community            |  | HABITAT | wetland |    | 0      |
| 643  | Taperleaf water horehound           | <i>Lycopus rubellus</i>                    | HABITAT | plant   | G5 | 200507 |
| 636  | Taxiphyllum moss                    | <i>Taxiphyllum</i> sp.                     | HABITAT | plant   |    | 0      |
| 500  | Tectaria estremerana                | <i>Tectaria estremerana</i>                | HABITAT | upland  |    | 0      |
| 767  | Tenangle pipewort                   | <i>Eriocaulon decangulare</i>              | HABITAT | plant   | G5 | 200701 |
| 453  | Ternstroemia luquillensis           | <i>Ternstroemia luquillensis</i>           | HABITAT | wetland |    | 0      |
| 454  | Ternstroemia subsessilis            | <i>Ternstroemia subsessilis</i>            | HABITAT | wetland |    | 0      |
| 649  | Terrestrial water-starwort          | <i>Callitriche terrestris</i>              | HABITAT | plant   | G5 | 200507 |
| 534  | Tetramolopium rockii calcisabulorum | <i>Tetramolopium rockii calcisabulorum</i> | HABITAT | plant   |    | 0      |
| 535  | Tetramolopium rockii rockii         | <i>Tetramolopium rockii rockii</i>         | HABITAT | plant   |    | 0      |
| 533  | Tetramolopium sylvae                | <i>Tetramolopium sylvae</i>                | HABITAT | plant   |    | 0      |
| 407  | Texas ebony                         | <i>Pithecellobium flexicaule</i>           | HABITAT | upland  |    | 0      |
| 404  | Texas palmetto                      | <i>Sabel mexicana</i>                      | HABITAT | wetland |    | 0      |
| 805  | Texas pipewort                      | <i>Eriocaulon texense</i>                  | HABITAT | plant   | G4 | 200703 |
| 282  | Texas stonecrop                     | <i>Lenophyllum texanum</i>                 | HABITAT | upland  |    | 0      |
| 136  | Texas windmill-grass                | <i>Chloris texensis</i>                    | HABITAT | upland  |    | 0      |
| 460  | Thelypteris inabonensis             | <i>Thelypteris inabonensis</i>             | HABITAT | wetland |    | 0      |
| 458  | Thelypteris verecunda               | <i>Thelypteris verecunda</i>               | HABITAT | wetland |    | 0      |
| 461  | Thelypteris yaucoensis              | <i>Thelypteris yaucoensis</i>              | HABITAT | wetland |    | 0      |
| 24   | Thickspike wheatgrass               | <i>Agropyron dasystachyum</i>              | HABITAT | upland  |    | 0      |
| 385  | Thin-lobed horkelia                 | <i>Horkelia tenuiloba</i>                  | HABITAT | upland  |    | 0      |
| 199  | Thread-leaved beaked rush           | <i>Rhynchospora filifolia</i>              | HABITAT | wetland |    | 0      |
| 60   | Threatened plant                    |  | HABITAT | plant   |    | 0      |
| 256  | Threatened terrestrial plant        |  | HABITAT | upland  |    | 0      |
| 258  | Threatened wetland/aquatic plant    |  | HABITAT | wetland |    | 0      |
| 137  | Threeflower broomweed               | <i>Thurovia triflora</i>                   | HABITAT | upland  |    | 0      |
| 749  | Threepetal bedstraw                 | <i>Galium trifidum</i>                     | HABITAT | plant   | G5 | 200701 |
| 769  | Three-rib arrowgrass                | <i>Triglochin striata</i>                  | HABITAT | plant   | G5 | 200701 |
| 386  | Tiburon indian paintbrush           | <i>Castilleja affinis neglecta</i>         | HABITAT | wetland |    | 0      |
| 349  | Tiburon jewelflower                 | <i>Streptanthus niger</i>                  | HABITAT | upland  |    | 0      |
| 393  | Tiburon mariposa lily               | <i>Calochortus tiburonensis</i>            | HABITAT | upland  |    | 0      |
| 1019 | Tidal marsh                         |  | HABITAT | wetland |    | 0      |

|      |                              |                                    |         |         |      |        |
|------|------------------------------|------------------------------------|---------|---------|------|--------|
| 464  | Tillandsia lineatispica      | Tillandsia lineatispica            | HABITAT | upland  |      | 0      |
| 223  | Tiny leaved buckthorn        | Sageretia minutiflora              | HABITAT | upland  |      | 0      |
| 839  | Tracy's beaksedge            | Rhynchospora tracyi                | HABITAT | plant   | G4   | 200703 |
| 455  | Trichilia triacantha         | Trichilia triacantha               | HABITAT | upland  |      | 0      |
| 115  | Tupelo                       | Nyssa spp.                         | HABITAT | wetland |      | 0      |
| 638  | Turf algae                   |                                    | HABITAT | algae   |      | 0      |
| 78   | Turtle grass                 | Thalassia testudinum               | HABITAT | sav     |      | 0      |
| 696  | Twining snoutbean            | Rhynchosia tomentosa               | HABITAT | plant   | G5   | 200701 |
| 200  | Twisted spikerush            | Eleocharis tortilis                | HABITAT | wetland |      | 0      |
| 287  | Umbrella algae               | Acetabularia sp.                   | HABITAT | algae   |      | 0      |
| 1015 | Valley needlegrass grassland |                                    | HABITAT | upland  |      | 0      |
| 1018 | Valley oak woodland          |                                    | HABITAT | upland  |      | 0      |
| 735  | Valley redstem               | Ammannia coccinea                  | HABITAT | plant   | G5   | 200701 |
| 251  | Variable-leaf crownbeard     | Verbesina heterophylla             | HABITAT | wetland |      | 0      |
| 49   | Variiegated horsetail        | Equisetum variegatum               | HABITAT | wetland |      | 0      |
| 772  | Veiny skullcap               | Scutellaria nervosa                | HABITAT | plant   |      | 0      |
| 773  | Velvet sedge                 | Carex vestita                      | HABITAT | plant   |      | 0      |
| 1017 | Vernal pool                  |                                    | HABITAT | wetland |      | 0      |
| 1029 | Vernal pool plants           |                                    | HABITAT | wetland |      | 0      |
| 429  | Vernonia proctorii           | Vernonia proctorii                 | HABITAT | upland  |      | 0      |
| 564  | Vigna o-wahuensis            | Vigna o-wahuensis                  | HABITAT | plant   |      | 0      |
| 650  | Violet woodsorrel            | Oxalis violacea                    | HABITAT | plant   | G5   | 200507 |
| 775  | Virginia heartleaf           | Hexastylis virginica               | HABITAT | plant   |      | 0      |
| 190  | Virginia jointvetch          | Aeschynomene virginica             | HABITAT | wetland | G2   | 200701 |
| 201  | Virginia thistle             | Cirsium virginianum                | HABITAT | wetland |      | 0      |
| 681  | Virginia wakerobin           | Trillium pusillum var. virginianum | HABITAT | plant   | G3T2 | 200701 |
| 798  | Walter's sedge               | Carex striata                      | HABITAT | plant   | G4   | 200703 |
| 202  | Walter's St. John's-wort     | Triadenum walteri                  | HABITAT | wetland |      | 0      |
| 83   | Water celery                 | Vallisneria americana              | HABITAT | sav     |      | 0      |
| 655  | Water chestnut               | Trapa natans                       | HABITAT | fav     | GNR  | 200508 |
| 777  | Water horsetail              | Equisetum fluviatile               | HABITAT | plant   | G5   | 200701 |
| 608  | Water howellia               | Howellia aquatilis                 | HABITAT | fav     |      | 0      |
| 217  | Water hyacinth               | Eichhornia crassipes               | HABITAT | fav     |      | 0      |
| 215  | Water lettuce                | Pistia stratiotes                  | HABITAT | fav     |      | 0      |
| 219  | Water lily                   | Nymphaea spp.                      | HABITAT | fav     |      | 0      |
| 116  | Water lotus                  | Nelumbo lutea                      | HABITAT | fav     |      | 0      |
| 117  | Water oak                    | Quercus nigra                      | HABITAT | wetland |      | 0      |
| 651  | Water pygmyweed              | Crassula aquatica                  | HABITAT | plant   | G5   | 200507 |
| 140  | Water stargrass              | Heteranthera dubia                 | HABITAT | sav     |      | 0      |
| 278  | Welder machaeranthera        | Psilactis heterocarpa              | HABITAT | upland  |      | 0      |
| 714  | Welsh mudwort                | Limosella australis                | HABITAT | plant   | G4G5 | 200701 |

|      |                                |                                      |         |         |      |        |
|------|--------------------------------|--------------------------------------|---------|---------|------|--------|
| 498  | West Indian falsebox           | <i>Gyminda latifolia</i>             | HABITAT | upland  |      | 0      |
| 488  | West Indian satinwood          | <i>Zanthoxylum flavum</i>            | HABITAT | upland  |      | 0      |
| 466  | West Indian treefern           | <i>Cyathea arborea</i>               | HABITAT | upland  |      | 0      |
| 391  | Western leatherwood            | <i>Dirca occidentalis</i>            | HABITAT | upland  |      | 0      |
| 6    | Western lily                   | <i>Lilium occidentale</i>            | HABITAT | wetland |      | 0      |
| 849  | Wherry's pitcherplant          | <i>Sarracenia rubra</i> ssp. wherryi | HABITAT | plant   | G3T3 | 200704 |
| 780  | White fringed orchid           | <i>Platanthera blephariglottis</i>   | HABITAT | plant   |      | 0      |
| 781  | White spikerush                | <i>Eleocharis albida</i>             | HABITAT | plant   |      | 0      |
| 118  | White water-lily               | <i>Nymphaea odorata</i>              | HABITAT | fav     |      | 0      |
| 342  | White-rayed pentachaeta        | <i>Pentachaeta bellidiflora</i>      | HABITAT | upland  |      | 0      |
| 491  | Whitewood                      | <i>Coccoloba krugii</i>              | HABITAT | upland  |      | 0      |
| 600  | Whorled milkwort               | <i>Polygala verticillata</i>         | HABITAT | wetland |      | 0      |
| 48   | Whorled water-milfoil          | <i>Myriophyllum verticillatum</i>    | HABITAT | sav     |      | 0      |
| 80   | Widgeon grass                  | <i>Ruppia maritima</i>               | HABITAT | sav     |      | 0      |
| 20   | Wild bean                      | <i>Strophostyles helvola</i>         | HABITAT | upland  |      | 0      |
| 536  | Wilkesia hobdyi                | <i>Wilkesia hobdyi</i>               | HABITAT | plant   |      | 0      |
| 1011 | Willow grove (sausal)          |                                      | HABITAT | wetland |      | 0      |
| 724  | Wingleaf primrose-willow       | <i>Ludwigia decurrens</i>            | HABITAT | plant   | G5   | 200701 |
| 489  | Wingleaf soapberry             | <i>Sapindus saponaria</i>            | HABITAT | upland  |      | 0      |
| 601  | Wire coral                     | <i>Cirrhopathes anguina</i>          | HABITAT | coral   |      | 0      |
| 766  | Woolly rosette grass           | <i>Dichanthelium scabriusculum</i>   | HABITAT | plant   | G4   | 200701 |
| 783  | Woollysheath threeawn          | <i>Aristida lanosa</i>               | HABITAT | plant   |      | 0      |
| 280  | Wright's yellowshow            | <i>Amoreuxia wrightii</i>            | HABITAT | upland  |      | 0      |
| 204  | Wrinkled jointgrass            | <i>Coelorachis rugosa</i>            | HABITAT | wetland |      | 0      |
| 653  | Yellow flatsedge               | <i>Cyperus flavescens</i>            | HABITAT | plant   | G5   | 200507 |
| 146  | Yellow fringeless orchid       | <i>Platanthera integra</i>           | HABITAT | wetland |      | 0      |
| 654  | Yellow fumewort                | <i>Corydalis flavula</i>             | HABITAT | plant   | G5   | 200507 |
| 383  | Yellow larkspur                | <i>Delphinium luteum</i>             | HABITAT | upland  |      | 0      |
| 250  | Yellow star anise              | <i>Illicium parviflorum</i>          | HABITAT | wetland |      | 0      |
| 396  | Yellowray goldfields           | <i>Lasthenia glabrata</i>            | HABITAT | wetland |      | 0      |
| 430  | <i>Zanthoxylum thomasianum</i> | <i>Zanthoxylum thomasianum</i>       | HABITAT | upland  |      | 0      |
| 490  | Zapote de costa                | <i>Manilkara pleeana</i>             | HABITAT | upland  |      | 0      |
| 47   | Zigzag bladderwort             | <i>Utricularia subulata</i>          | HABITAT | wetland |      | 0      |
| 134  |                                | <i>Anadara grandis</i>               | INVERT  | bivalve |      | 0      |
| 135  |                                | <i>Anadara similis</i>               | INVERT  | bivalve |      | 0      |
| 136  |                                | <i>Anadara tuberculosa</i>           | INVERT  | bivalve |      | 0      |
| 137  |                                | <i>Brachydontes semilaevis</i>       | INVERT  | bivalve |      | 0      |
| 140  |                                | <i>Mytella guyanensis</i>            | INVERT  | bivalve |      | 0      |
| 141  |                                | <i>Mytella strigata</i>              | INVERT  | bivalve |      | 0      |
| 142  |                                | <i>Ostrea corteziensis</i>           | INVERT  | bivalve |      | 0      |
| 143  |                                | <i>Ostrea iridescens</i>             | INVERT  | bivalve |      | 0      |

|     |                               |        |            |   |
|-----|-------------------------------|--------|------------|---|
| 144 | <i>Ostrea palmula</i>         | INVERT | bivalve    | 0 |
| 355 | <i>Chama frondosa</i>         | INVERT | bivalve    | 0 |
| 358 | <i>Ostrea angelica</i>        | INVERT | bivalve    | 0 |
| 359 | <i>Ostrea columbiensis</i>    | INVERT | bivalve    | 0 |
| 360 | <i>Ostrea conchaphila</i>     | INVERT | bivalve    | 0 |
| 361 | <i>Ostrea fisheri</i>         | INVERT | bivalve    | 0 |
| 362 | <i>Ostrea megodon</i>         | INVERT | bivalve    | 0 |
| 363 | <i>Chama echinata</i>         | INVERT | bivalve    | 0 |
| 364 | <i>Chama buddiana</i>         | INVERT | bivalve    | 0 |
| 145 | <i>Octopus chierchiai</i>     | INVERT | cephalopod | 0 |
| 146 | Urochordata                   | INVERT | chordate   | 0 |
| 148 | <i>Menippe frontalis</i>      | INVERT | crab       | 0 |
| 332 | <i>Calappa convexa</i>        | INVERT | crab       | 0 |
| 334 | <i>Arenaeus mexicanus</i>     | INVERT | crab       | 0 |
| 335 | <i>Enphylax dovii</i>         | INVERT | crab       | 0 |
| 336 | <i>Eurytium affine</i>        | INVERT | crab       | 0 |
| 337 | <i>Gecarcinus quadratus</i>   | INVERT | crab       | 0 |
| 338 | <i>Clibanarius panamensis</i> | INVERT | crab       | 0 |
| 346 | <i>Callinectes toxotes</i>    | INVERT | crab       | 0 |
| 347 | <i>Portunus panamensis</i>    | INVERT | crab       | 0 |
| 348 | <i>Panopeus herbstedii</i>    | INVERT | crab       | 0 |
| 350 | <i>Lithodes panamensis</i>    | INVERT | crab       | 0 |
| 352 | <i>Cancer johngarthi</i>      | INVERT | crab       | 0 |
| 353 | <i>Coenobita compressa</i>    | INVERT | crab       | 0 |
| 357 | <i>Emerita rathbunae</i>      | INVERT | crab       | 0 |
| 151 | <i>Diadema mexicanum</i>      | INVERT | echinoderm | 0 |
| 152 | <i>Echinometra vanbrunti</i>  | INVERT | echinoderm | 0 |
| 153 | <i>Holothuria inhabilis</i>   | INVERT | echinoderm | 0 |
| 154 | <i>Mellitella sp.</i>         | INVERT | echinoderm | 0 |
| 155 | <i>Mellitella stokesii</i>    | INVERT | echinoderm | 0 |
| 156 | <i>Ophiocoma aethiops</i>     | INVERT | echinoderm | 0 |
| 157 | <i>Ophiocoma alexandri</i>    | INVERT | echinoderm | 0 |
| 159 | <i>Pharia pyramidata</i>      | INVERT | echinoderm | 0 |
| 160 | <i>Phataria unifascialis</i>  | INVERT | echinoderm | 0 |
| 283 | <i>Encope micropora</i>       | INVERT | echinoderm | 0 |
| 163 | <i>Acanthina brevidentada</i> | INVERT | gastropod  | 0 |
| 164 | <i>Fasciolaria princeps</i>   | INVERT | gastropod  | 0 |
| 341 | <i>Strombus galeatus</i>      | INVERT | gastropod  | 0 |
| 342 | <i>Strombus glacialior</i>    | INVERT | gastropod  | 0 |
| 343 | <i>Strombus peruvianus</i>    | INVERT | gastropod  | 0 |
| 349 | <i>Melongena patula</i>       | INVERT | gastropod  | 0 |



|      |                            |                              |        |           |     |        |
|------|----------------------------|------------------------------|--------|-----------|-----|--------|
| 344  |                            | Panulirus spp.               | INVERT | lobster   |     | 0      |
| 167  |                            | Atya crassa                  | INVERT | shrimp    |     | 0      |
| 168  |                            | Macrobrachium tenellum       | INVERT | shrimp    |     | 0      |
| 279  |                            | Xiphopenaeus riveti          | INVERT | shrimp    |     | 0      |
| 562  | A planarian                | Phagocata virilis            | INVERT | worm      | GNR | 200612 |
| 60   | Abalone                    | Haliotis spp.                | INVERT | gastropod |     | 0      |
| 513  | Acorn barnacles            | Balanus sp.                  | INVERT | barnacle  |     | 0      |
| 108  | Alabama hickorynut         | Obovaria unicolor            | INVERT | bivalve   | G3  | 200412 |
| 106  | Alabama spike              | Elliptio arca                | INVERT | bivalve   | G3Q | 200412 |
| 187  | Alaska great tellin        | Tellina lutea                | INVERT | bivalve   |     | 0      |
| 181  | Alaska razor clam          | Siliqua alta                 | INVERT | bivalve   |     | 0      |
| 227  | Alaska volute              | Arctomelon stearnsii         | INVERT | gastropod |     | 0      |
| 217  | Alaskan hermit             | Pagurus ochotensis           | INVERT | crab      |     | 0      |
| 216  | Aleutian hermit            | Pagurus aleuticus            | INVERT | crab      |     | 0      |
| 543  | Alewife floater            | Anodonta implicata           | INVERT | bivalve   | G5  | 200507 |
| 45   | American lobster           | Homarus americanus           | INVERT | lobster   |     | 0      |
| 1006 | Amphipods                  |                              | INVERT | invert    |     | 0      |
| 183  | Ample roughmya             | Panomya ampla                | INVERT | bivalve   |     | 0      |
| 416  | Anchialine pool shrimp     | Antecaridina lauensis        | INVERT | shrimp    |     | 0      |
| 417  | Anchialine pool shrimp     | Halocaridina palahemo        | INVERT | shrimp    |     | 0      |
| 418  | Anchialine pool shrimp     | Procaris hawaiana            | INVERT | shrimp    |     | 0      |
| 419  | Anchialine pool shrimp     | Vetericaris chaceorum        | INVERT | shrimp    |     | 0      |
| 420  | Anchialine pool shrimp     | Calliasmata pholidota        | INVERT | shrimp    |     | 0      |
| 421  | Anchialine pool shrimp     | Palaemonella burnsi          | INVERT | shrimp    |     | 0      |
| 422  | Anchialine pool shrimp     | Metabetaeus lohena           | INVERT | shrimp    |     | 0      |
| 423  | Anchialine pool snail      | Neritilia hawaiiensis        | INVERT | gastropod |     | 0      |
| 424  | Anchialine pool snail      | Neritilia sp 1               | INVERT | gastropod |     | 0      |
| 425  | Anchialine pool snail      | Neritilia sp B               | INVERT | gastropod |     | 0      |
| 406  | Ancylid                    | Ferrissia sharpi             | INVERT | gastropod |     | 0      |
| 233  | Angular whelk              | Buccinum angulosum           | INVERT | gastropod |     | 0      |
| 467  | Antillean nerite           | Nerita fulgurans             | INVERT | gastropod |     | 0      |
| 293  | Antioch andrenid bee       | Perdita scituta antiochensis | INVERT | insect    |     | 0      |
| 292  | Antioch efferian robberfly | Efferia antiochi             | INVERT | insect    |     | 0      |
| 508  | Applesnail                 | Pomacea sp.                  | INVERT | gastropod |     | 0      |
| 345  | Arched swimming crab       | Callinectes arcuatus         | INVERT | crab      |     | 0      |
| 272  | Arctic argid               | Argis dentata                | INVERT | shrimp    |     | 0      |
| 264  | Arctic eualid              | Eualus fabricii              | INVERT | shrimp    |     | 0      |
| 184  | Arctic hiatella            | Hiatella arctica             | INVERT | bivalve   |     | 0      |
| 206  | Arctic lyre crab           | Hyas coarctatus              | INVERT | crab      |     | 0      |
| 223  | Arctic moonsnail           | Natica clausa                | INVERT | gastropod |     | 0      |
| 260  | Arctic pink scallop        | Chlamys pseudislandica       | INVERT | bivalve   |     | 0      |

|      |                             |                                   |        |            |    |        |
|------|-----------------------------|-----------------------------------|--------|------------|----|--------|
| 182  | Arctic roughmya             | <i>Panomya arctica</i>            | INVERT | bivalve    |    | 0      |
| 48   | Arctic surfclam             | <i>Mactromeris polynyma</i>       | INVERT | bivalve    |    | 0      |
| 333  | Armed box crab              | <i>Mursia gaudichaudii</i>        | INVERT | crab       |    | 0      |
| 77   | Atlantic jackknife clam     | <i>Ensis directus</i>             | INVERT | bivalve    |    | 0      |
| 444  | Atlantic mole crab          | <i>Emerita talpoida</i>           | INVERT | crab       |    | 0      |
| 303  | Atlantic rock crab          | <i>Cancer irroratus</i>           | INVERT | crab       |    | 0      |
| 436  | Atlantic seabob shrimp      | <i>Xiphopenaeus kroyeri</i>       | INVERT | shrimp     |    | 0      |
| 287  | Atlantic surfclam           | <i>Spisula solidissima</i>        | INVERT | bivalve    |    | 0      |
| 409  | Banded coral shrimp         | <i>Stenopus hispidus</i>          | INVERT | shrimp     |    | 0      |
| 443  | Banded porcelain crab       | <i>Petrolisthes galathinus</i>    | INVERT | crab       |    | 0      |
| 395  | Banded spiny lobster        | <i>Panulirus marginatus</i>       | INVERT | lobster    |    | 0      |
| 384  | Banded urchin               | <i>Echinothrix calamaris</i>      | INVERT | echinoderm |    | 0      |
| 267  | Barbed eualid               | <i>Eualus barbatus</i>            | INVERT | shrimp     |    | 0      |
| 150  | Basket stars                | <i>Astrodictyum</i> spp.          | INVERT | echinoderm |    | 0      |
| 298  | Bay checkerspot butterfly   | <i>Euphydryas editha bayensis</i> | INVERT | insect     |    | 0      |
| 69   | Bay ghost shrimp            | <i>Callinassa californiensis</i>  | INVERT | shrimp     |    | 0      |
| 41   | Bay scallop                 | <i>Argopecten irradians</i>       | INVERT | bivalve    |    | 0      |
| 119  | Bay squid                   | <i>Lolliguncula brevis</i>        | INVERT | cephalopod |    | 0      |
| 551  | Beach hopper                | <i>Orchestoidea californiana</i>  | INVERT | invert     |    | 0      |
| 52   | Bean clam                   | <i>Donax gouldii</i>              | INVERT | bivalve    |    | 0      |
| 188  | Bent-nose macoma            | <i>Macoma nasuta</i>              | INVERT | bivalve    |    | 0      |
| 471  | Bermuda sea star            | <i>Coscinasterias tenuispina</i>  | INVERT | echinoderm |    | 0      |
| 110  | Big-cheeked cave crayfish   | <i>Procambarus delicatus</i>      | INVERT | crayfish   | G1 | 200412 |
| 474  | Big-claw purple             | <i>Petrochirus californiensis</i> | INVERT | crab       |    | 0      |
| 1013 | Bivalves                    |                                   | INVERT | bivalve    |    | 0      |
| 62   | Black abalone               | <i>Haliotis cracherodii</i>       | INVERT | gastropod  |    | 0      |
| 109  | Black Creek crayfish        | <i>Procambarus pictus</i>         | INVERT | crayfish   | G2 | 200412 |
| 257  | Black mussel                | <i>Musculus niger</i>             | INVERT | bivalve    |    | 0      |
| 127  | Blackback land crab         | <i>Gecarcinus lateralis</i>       | INVERT | crab       |    | 0      |
| 405  | Blackburn's sphinx moth     | <i>Manduca blackburni</i>         | INVERT | insect     | G1 | 200412 |
| 514  | Blackclaw crestleg crab     | <i>Lophopanopeus bellus</i>       | INVERT | crab       |    | 0      |
| 413  | Black-lipped pearl oyster   | <i>Pinctada margaritifera</i>     | INVERT | bivalve    |    | 0      |
| 452  | Blackpoint sculling crab    | <i>Cronius ruber</i>              | INVERT | crab       |    | 0      |
| 9    | Blacktail bay shrimp        | <i>Crangon nigricauda</i>         | INVERT | shrimp     |    | 0      |
| 340  | Blood arc                   | <i>Anadara nux</i>                | INVERT | bivalve    |    | 0      |
| 383  | Blood-spotted swimming crab | <i>Portunus sanguinolentus</i>    | INVERT | crab       |    | 0      |
| 49   | Blue crab                   | <i>Callinectes sapidus</i>        | INVERT | crab       |    | 0      |
| 126  | Blue crabs                  | <i>Callinectes</i> spp.           | INVERT | crab       |    | 0      |
| 192  | Blue king crab              | <i>Paralithodes platypus</i>      | INVERT | crab       |    | 0      |
| 314  | Blue land crab              | <i>Cardisoma guanhumi</i>         | INVERT | crab       |    | 0      |
| 19   | Blue mussel                 | <i>Mytilus edulis</i>             | INVERT | bivalve    |    | 0      |

|      |                                   |   |        |            |      |        |
|------|-----------------------------------|---|--------|------------|------|--------|
| 133  | Blue shrimp                       | <i>Penaeus stylirostris</i>                 | INVERT | shrimp     |      | 0      |
| 323  | Blue spiny lobster                | <i>Panulirus inflatus</i>                   | INVERT | lobster    |      | 0      |
| 1040 | Blue sponge                       |   | INVERT | invert     |      | 0      |
| 111  | Blue Spring hydrobe               | <i>Aphaostracon asthenes</i>                | INVERT | gastropod  | G1   | 200412 |
| 112  | Blue Spring siltsnail             | <i>Cincinnatia parva</i>                    | INVERT | gastropod  | GX   | 200412 |
| 385  | Blue-black urchin                 | <i>Echinothrix diadema</i>                  | INVERT | echinoderm |      | 0      |
| 186  | Boreal tridonta                   | <i>Tridonta borealis</i>                    | INVERT | bivalve    |      | 0      |
| 82   | Brackishwater clam                | <i>Rangia cuneata</i>                       | INVERT | bivalve    |      | 0      |
| 302  | Bridges' coast range shoulderband | <i>Helminthoglypta nickliniana bridgesi</i> | INVERT | gastropod  |      | 0      |
| 174  | Broad yoldia                      | <i>Yoldia thraciaeformis</i>                | INVERT | bivalve    |      | 0      |
| 12   | Broken-back shrimp                | <i>Heptacarpus</i> spp.                     | INVERT | shrimp     |      | 0      |
| 194  | Brown box crab                    | <i>Lopholithodes foraminatus</i>            | INVERT | crab       |      | 0      |
| 463  | Brown crown conch                 | <i>Melongena melongena</i>                  | INVERT | gastropod  |      | 0      |
| 284  | Brown king                        | need  | INVERT | crab       |      | 0      |
| 51   | Brown shrimp                      | <i>Penaeus aztecus</i>                      | INVERT | shrimp     |      | 0      |
| 1008 | Bryozoans                         |   | INVERT | invert     |      | 0      |
| 291  | Bumblebee scarab beetle           | <i>Lichnanthe ursina</i>                    | INVERT | insect     |      | 0      |
| 466  | Cabrit's murex                    | <i>Murex cabriti</i>                        | INVERT | gastropod  |      | 0      |
| 102  | Calico scallop                    | <i>Argopecten gibbus</i>                    | INVERT | bivalve    |      | 0      |
| 3    | California bay shrimp             | <i>Crangon franciscorum</i>                 | INVERT | shrimp     |      | 0      |
| 87   | California brackishwater snail    | <i>Tryonia imitator</i>                     | INVERT | gastropod  | G2G3 | 200412 |
| 1    | California butterclam             | <i>Saxidomus nuttallii</i>                  | INVERT | bivalve    |      | 0      |
| 290  | California freshwater shrimp      | <i>Syncaris pacifica</i>                    | INVERT | shrimp     |      | 0      |
| 66   | California jackknife clam         | <i>Tagelus californianus</i>                | INVERT | bivalve    |      | 0      |
| 20   | California mussel                 | <i>Mytilus californianus</i>                | INVERT | bivalve    |      | 0      |
| 130  | California sea hare               | <i>Aplysia californica</i>                  | INVERT | gastropod  |      | 0      |
| 54   | California spiny lobster          | <i>Panulirus interruptus</i>                | INVERT | lobster    |      | 0      |
| 297  | Callippe silverspot butterfly     | <i>Speyeria callippe callippe</i>           | INVERT | insect     |      | 0      |
| 103  | Camp Shelby burrowing crawfish    | <i>Fallicambarus gordonii</i>               | INVERT | crayfish   | G1   | 200412 |
| 328  | Carabali shrimp                   | <i>Trachypenaeus byrdi</i>                  | INVERT | shrimp     |      | 0      |
| 321  | Caramote prawn                    | <i>Penaeus kerathurus</i>                   | INVERT | shrimp     |      | 0      |
| 497  | Caribbean oyster                  | <i>Crassostrea rhizophorae</i>              | INVERT | bivalve    |      | 0      |
| 72   | Caribbean spiny lobster           | <i>Panulirus argus</i>                      | INVERT | lobster    |      | 0      |
| 506  | Carolina marsh clam               | <i>Polymesoda caroliniana</i>               | INVERT | bivalve    |      | 0      |
| 563  | Carolina satyr                    | <i>Hermeuptychia sosybius</i>               | INVERT | insect     | G5   | 200612 |
| 487  | Catalina mantis shrimp            | <i>Squilla mantoidea</i>                    | INVERT | shrimp     |      | 0      |
| 351  | Cauque river prawn                | <i>Macrobrachium americanum</i>             | INVERT | shrimp     |      | 0      |
| 162  | Central Gulf sea urchin           | <i>Toxopneustes roseus</i>                  | INVERT | echinoderm |      | 0      |
| 189  | Chalky macoma                     | <i>Macoma calcarea</i>                      | INVERT | bivalve    |      | 0      |
| 442  | Channel clinging crab             | <i>Mithrax spinosissimus</i>                | INVERT | crab       |      | 0      |
| 46   | Channeled whelk                   | <i>Busycon canaliculatum</i>                | INVERT | gastropod  |      | 0      |

|      |                            |                            |        |            |      |        |
|------|----------------------------|----------------------------|--------|------------|------|--------|
| 515  | Checkered periwinkle       | Littorina scutulata        | INVERT | gastropod  |      | 0      |
| 565  | Chermock's mulberry wing   | Poanes massasoit chermocki | INVERT | insect     | G4T1 | 200701 |
| 331  | Chilean knife shrimp       | Haliporoides diomedea      | INVERT | shrimp     |      | 0      |
| 1050 | Chitons                    | Acanthopleura sp.          | INVERT | gastropod  |      | 0      |
| 266  | Circumpolar eualid         | Eualus gaimardii           | INVERT | shrimp     |      | 0      |
| 1048 | Clams                      |                            | INVERT | bivalve    |      | 0      |
| 373  | Claybanks tiger beetle     | Cicindela limbalis         | INVERT | insect     | G5   | 200412 |
| 68   | Clipped semele clam        | Semele sp.                 | INVERT | bivalve    |      | 0      |
| 1004 | Cnidarians                 |                            | INVERT | invert     |      | 0      |
| 1052 | Cockles                    |                            | INVERT | bivalve    |      | 0      |
| 502  | Coconut crab               | Birgus latro               | INVERT | crab       |      | 0      |
| 386  | Collector urchin           | Tripneustes gratilla       | INVERT | echinoderm |      | 0      |
| 464  | Common atlantic marginella | Marginella apicina         | INVERT | gastropod  |      | 0      |
| 124  | Common Atlantic octopus    | Octopus vulgaris           | INVERT | cephalopod |      | 0      |
| 22   | Common egg cockel          | Laevicardium laevigatum    | INVERT | bivalve    |      | 0      |
| 522  | Common jingle              | Anomia simplex             | INVERT | bivalve    |      | 0      |
| 531  | Common sand dollar         | Echinarachnius parma       | INVERT | echinoderm |      | 0      |
| 261  | Coonstriped shrimp         | Pandalus hypsinotus        | INVERT | shrimp     |      | 0      |
| 125  | Coquinas                   | Donax spp.                 | INVERT | bivalve    |      | 0      |
| 441  | Coral crab                 | Carpilius corallinus       | INVERT | crab       |      | 0      |
| 496  | Cortez oyster              | Crassostrea corteziensis   | INVERT | bivalve    |      | 0      |
| 448  | Cortez swimming crab       | Callinectes bellicosus     | INVERT | crab       |      | 0      |
| 1016 | Cowries                    |                            | INVERT | gastropod  |      | 0      |
| 458  | Crab                       | Hepatus kossmani           | INVERT | crab       |      | 0      |
| 479  | Crab                       | Portunus asper             | INVERT | crab       |      | 0      |
| 1001 | Crabs                      |                            | INVERT | crab       |      | 0      |
| 185  | Crenulate astarte          | Astarte crenata            | INVERT | bivalve    |      | 0      |
| 175  | Crisscrossed yoldia        | Yoldia scissurata          | INVERT | bivalve    |      | 0      |
| 434  | Crown-of-thorns starfish   | Acanthaster planci         | INVERT | echinoderm |      | 0      |
| 93   | Crustaceans                |                            | INVERT | invert     |      | 0      |
| 1005 | Ctenophores                |                            | INVERT | invert     |      | 0      |
| 387  | Cushion star               | Culcita novaeguineae       | INVERT | echinoderm |      | 0      |
| 509  | Cuttlefish                 | Sepia officinalis          | INVERT | cephalopod |      | 0      |
| 289  | Daggerblade grass shrimp   | Palaemonetes pugio         | INVERT | shrimp     |      | 0      |
| 231  | Dall's drill               | Eupleura muriciformis      | INVERT | gastropod  |      | 0      |
| 312  | Dark falsemussel           | Mytilopsis leucophaeata    | INVERT | bivalve    |      | 0      |
| 281  | Dart squid                 | Loliolopsis diomedea       | INVERT | cephalopod |      | 0      |
| 382  | Day octopus                | Octopus cyanea             | INVERT | cephalopod |      | 0      |
| 113  | Dense hydrobe              | Aphaostracon pycnus        | INVERT | gastropod  |      | 0      |
| 258  | Discordant mussel          | Musculus discors           | INVERT | bivalve    |      | 0      |
| 173  | Disjunct cleftclam         | Conchocele disjuncta       | INVERT | bivalve    |      | 0      |

|      |                               |                                    |        |            |       |        |
|------|-------------------------------|------------------------------------|--------|------------|-------|--------|
| 11   | Dock shrimp                   | <i>Pandalus danae</i>              | INVERT | shrimp     |       | 0      |
| 14   | Dungeness crab                | <i>Cancer magister</i>             | INVERT | crab       |       | 0      |
| 95   | Dwarf surf clam               | <i>Mulinia lateralis</i>           | INVERT | bivalve    |       | 0      |
| 561  | Dysticid beetle               | <i>Hoperius planatus</i>           | INVERT | insect     | GNR   | 200612 |
| 554  | Eastern elliptio              | <i>Elliptio complanata</i>         | INVERT | bivalve    | G5    | 200601 |
| 557  | Eastern lampmussel            | <i>Lampsilis radiata</i>           | INVERT | bivalve    | G5    | 200612 |
| 43   | Eastern oyster                | <i>Crassostrea virginica</i>       | INVERT | bivalve    |       | 0      |
| 170  | Eastern Pacific bobtail squid | <i>Rossia pacifica</i>             | INVERT | cephalopod |       | 0      |
| 367  | Eastern pondmussel            | <i>Ligumia nasuta</i>              | INVERT | bivalve    | G4G5  | 200412 |
| 1010 | Echinoderms                   |                                    | INVERT | echinoderm |       | 0      |
| 301  | Edgewood blind harvestman     | <i>Calicina minor</i>              | INVERT | insect     |       | 0      |
| 278  | Edible brown mussel           | <i>Perna perna</i>                 | INVERT | bivalve    |       | 0      |
| 546  | Eelgrass isopod               | <i>Pentidotea resecata</i>         | INVERT | invert     |       | 0      |
| 177  | Elegant softshell clam        | <i>Mya elegans</i>                 | INVERT | bivalve    |       | 0      |
| 1044 | Endangered bivalve            |                                    | INVERT | bivalve    |       | 0      |
| 1026 | Endangered invertebrate       |                                    | INVERT | invert     |       | 0      |
| 114  | Enterprise siltsnail          | <i>Cincinnatia monroensis</i>      | INVERT | gastropod  | G1    | 200412 |
| 503  | European flat oyster          | <i>Ostrea edulis</i>               | INVERT | bivalve    |       | 0      |
| 426  | False 'opihi                  | <i>Siphonaria normalis</i>         | INVERT | bivalve    |       | 0      |
| 179  | False softshell clam          | <i>Mya pseudoarenaria</i>          | INVERT | bivalve    |       | 0      |
| 239  | Fat whelk                     | <i>Neptunea ventricosa</i>         | INVERT | gastropod  |       | 0      |
| 400  | Feather duster worm           | <i>Sabellastarte sanctijosephi</i> | INVERT | worm       |       | 0      |
| 495  | Fiddler crab                  | <i>Uca sp.</i>                     | INVERT | crab       |       | 0      |
| 568  | Five-slotted sand dollar      | <i>Mellita quinquiesperforata</i>  | INVERT | echinoderm |       | 0      |
| 13   | Flame-streaked box crab       | <i>Calappa flammea</i>             | INVERT | crab       |       | 0      |
| 191  | Flat macoma                   | <i>Macoma moesta</i>               | INVERT | bivalve    |       | 0      |
| 516  | Flat porcelain crab           | <i>Petrolisthes cinctipes</i>      | INVERT | crab       |       | 0      |
| 570  | Flatclaw hermit               | <i>Pagurus pollicaris</i>          | INVERT | crab       |       | 0      |
| 197  | Flatspine triangle crab       | <i>Phyllolithodes papillosus</i>   | INVERT | crab       |       | 0      |
| 27   | Flat-tipped piddock (rock)    | <i>Penitella penita</i>            | INVERT | bivalve    |       | 0      |
| 451  | Florida cone                  | <i>Conus floridanus</i>            | INVERT | gastropod  |       | 0      |
| 118  | Florida lance                 | <i>Elliptio waltoni</i>            | INVERT | bivalve    | G1G2Q | 200412 |
| 288  | Florida stone crab            | <i>Menippe mercenaria</i>          | INVERT | shrimp     |       | 0      |
| 317  | Florida tree snail            | <i>Liguus fasciatus</i>            | INVERT | gastropod  |       | 0      |
| 484  | Flower shrimp                 | <i>Solenocera florea</i>           | INVERT | shrimp     |       | 0      |
| 450  | Flyspeck cerith               | <i>Cerithium muscarum</i>          | INVERT | gastropod  |       | 0      |
| 220  | Fragile urchin                | <i>Alloccentrotus fragilis</i>     | INVERT | echinoderm |       | 0      |
| 245  | Fragile whelk                 | <i>Volutopsius fragilis</i>        | INVERT | gastropod  |       | 0      |
| 309  | Freshwater crab               | <i>Epilobocera sinuatifrons</i>    | INVERT | crab       |       | 0      |
| 504  | Freshwater mussel             | <i>Anodonta spp.</i>               | INVERT | bivalve    |       | 0      |
| 253  | Friele's beringius            | <i>Beringius frielei</i>           | INVERT | gastropod  |       | 0      |

|      |                         |  |        |            |    |        |
|------|-------------------------|--|--------|------------|----|--------|
| 538  | Filled dogwinkle        | <i>Nucella lamellosa</i>                 | INVERT | gastropod  |    | 0      |
| 198  | Fuzzy crab              | <i>Acantholithodes hispidus</i>          | INVERT | crab       |    | 0      |
| 24   | Gaper clam              | <i>Tresus nuttallii</i>                  | INVERT | bivalve    |    | 0      |
| 1041 | Gastropods              |  | INVERT | gastropod  |    | 0      |
| 32   | Geoduck                 | <i>Panopea abrupta</i>                   | INVERT | bivalve    |    | 0      |
| 96   | Ghost crab              | <i>Ocypode quadrata</i>                  | INVERT | crab       |    | 0      |
| 306  | Ghost shrimp            | <i>Callinassa</i> spp.                   | INVERT | shrimp     |    | 0      |
| 447  | Ghost shrimp            | <i>Calinassa</i> sp.                     | INVERT | shrimp     |    | 0      |
| 498  | Giant clam              | <i>Tridacna maxima</i>                   | INVERT | bivalve    |    | 0      |
| 1053 | Giant clams             | <i>Tridacna</i> spp.                     | INVERT | bivalve    |    | 0      |
| 147  | Giant land crab         | <i>Cardisoma crassum</i>                 | INVERT | crab       |    | 0      |
| 172  | Giant octopus           | <i>Enteroctopus dofleini</i>             | INVERT | cephalopod |    | 0      |
| 517  | Giant Pacific chiton    | <i>Cryptochiton stelleri</i>             | INVERT | gastropod  |    | 0      |
| 35   | Giant rock-scallop      | <i>Crassadoma gigantea</i>               | INVERT | bivalve    |    | 0      |
| 459  | Giant sea cucumber      | <i>Isostichopus fuscus</i>               | INVERT | echinoderm |    | 0      |
| 555  | Globose dune beetle     | <i>Coelus globosus</i>                   | INVERT | insect     | G1 | 200603 |
| 75   | Golden king crab        | <i>Lithodes aequispina</i>               | INVERT | crab       |    | 0      |
| 372  | Goldenrod stem borer    | <i>Papaipema duovata</i>                 | INVERT | insect     | G4 | 200412 |
| 211  | Graceful decorator crab | <i>Oregonia gracilis</i>                 | INVERT | crab       |    | 0      |
| 205  | Graceful kelp crab      | <i>Pugettia gracilis</i>                 | INVERT | crab       |    | 0      |
| 97   | Grass shrimp            | <i>Palaemonetes</i> spp.                 | INVERT | shrimp     |    | 0      |
| 558  | Great purple hairstreak | <i>Atlides halesus</i>                   | INVERT | insect     | G5 | 200612 |
| 222  | Great slippersnail      | <i>Crepidula grandis</i>                 | INVERT | gastropod  |    | 0      |
| 63   | Green abalone           | <i>Haliotis fulgens</i>                  | INVERT | gastropod  |    | 0      |
| 304  | Green crab              | <i>Carcinus maenas</i>                   | INVERT | crab       |    | 0      |
| 166  | Green spiny lobster     | <i>Panulirus gracilis</i>                | INVERT | lobster    |    | 0      |
| 219  | Green urchin            | <i>Strongylocentrotus droebachiensis</i> | INVERT | echinoderm |    | 0      |
| 265  | Greenland shrimp        | <i>Eualus macilentus</i>                 | INVERT | shrimp     |    | 0      |
| 203  | Grooved tanner crab     | <i>Chionoecetes tanneri</i>              | INVERT | crab       |    | 0      |
| 308  | Gulf grassflat crab     | <i>Dyspanopeus texana</i>                | INVERT | crab       |    | 0      |
| 120  | Gulf stone crab         | <i>Menippe adina</i>                     | INVERT | crab       |    | 0      |
| 209  | Hair crab               | <i>Erimacrus isenbeckii</i>              | INVERT | crab       |    | 0      |
| 518  | Hairy chiton            | <i>Mopalia ciliata</i>                   | INVERT | gastropod  |    | 0      |
| 519  | Hairy hermit            | <i>Pagurus hirsutiusculus</i>            | INVERT | crab       |    | 0      |
| 229  | Hall's colus            | <i>Colus halli</i>                       | INVERT | gastropod  |    | 0      |
| 402  | Hapawai (snail)         | <i>Neritina vespertina</i>               | INVERT | gastropod  | G? | 200412 |
| 465  | Harbour spidercrab      | <i>Mithrax armatus</i>                   | INVERT | crab       |    | 0      |
| 482  | Hardhusk rock shrimp    | <i>Sicyonia aliaffinis</i>               | INVERT | shrimp     |    | 0      |
| 1059 | Hardshell clams         |  | INVERT | bivalve    |    | 0      |
| 1057 | Harpacticus spp.        | <i>Harpacticus</i> spp.                  | INVERT | invert     |    | 0      |
| 410  | Hawaiian mussel         | <i>Brachidontes crebristriatus</i>       | INVERT | bivalve    |    | 0      |

|      |                             |                                    |        |            |      |        |
|------|-----------------------------|------------------------------------|--------|------------|------|--------|
| 427  | Hawaiian oyster             | <i>Ostrea sandvicensis</i>         | INVERT | bivalve    |      | 0      |
| 493  | Hawkwing conch              | <i>Strombus raninus</i>            | INVERT | gastropod  |      | 0      |
| 221  | Heart urchin                | <i>Brisaster latifrons</i>         | INVERT | echinoderm |      | 0      |
| 190  | Heavy macoma                | <i>Macoma brota</i>                | INVERT | bivalve    |      | 0      |
| 440  | Helmet conch                | <i>Cassis</i> spp.                 | INVERT | gastropod  |      | 0      |
| 210  | Helmet crab                 | <i>Telmessus cheiragonus</i>       | INVERT | crab       |      | 0      |
| 388  | Helmet urchin               | <i>Colobocentrotus atratus</i>     | INVERT | echinoderm |      | 0      |
| 236  | Helmut whelk                | <i>Neptunea magna</i>              | INVERT | gastropod  |      | 0      |
| 218  | Hermit crab                 | <i>Pagurus</i> spp.                | INVERT | crab       |      | 0      |
| 1024 | Hermit crabs                |                                    | INVERT | crab       |      | 0      |
| 393  | Hiihawai (snail)            | <i>Neritina granosa</i>            | INVERT | gastropod  | G1G2 | 200412 |
| 567  | Hooked mussel               | <i>Ischadium recurvum</i>          | INVERT | bivalve    | G5   | 200704 |
| 23   | Horse clam                  | <i>Tresus capax</i>                | INVERT | bivalve    |      | 0      |
| 478  | Horse conch                 | <i>Pleuroploca gigantea</i>        | INVERT | gastropod  |      | 0      |
| 44   | Horseshoe crab              | <i>Limulus polyphemus</i>          | INVERT | crab       |      | 0      |
| 10   | Humpy shrimp                | <i>Pandalus goniurus</i>           | INVERT | shrimp     |      | 0      |
| 128  | Impatient sea cucumber      | <i>Holothuria impatiens</i>        | INVERT | echinoderm |      | 0      |
| 521  | Inconspicuous macoma        | <i>Macoma inconspicua</i>          | INVERT | bivalve    |      | 0      |
| 329  | Indio shrimp                | <i>Trachypenaeus faoe</i>          | INVERT | shrimp     |      | 0      |
| 1039 | Intertidal invertebrates    |                                    | INVERT | invert     |      | 0      |
| 1043 | Invertebrates               |                                    | INVERT | invert     |      | 0      |
| 511  | Island marble butterfly     | <i>Euchloe ausonides insulanus</i> | INVERT | insect     |      | 0      |
| 31   | Japanese abalone            | <i>Haliotis kamtschatkana</i>      | INVERT | gastropod  |      | 0      |
| 26   | Japanese littleneck clam    | <i>Venerupis philippinarum</i>     | INVERT | bivalve    |      | 0      |
| 305  | Jonah crab                  | <i>Cancer borealis</i>             | INVERT | crab       |      | 0      |
| 230  | Keeled aforia               | <i>Aforia circinata</i>            | INVERT | gastropod  |      | 0      |
| 250  | Kennicott's beringius       | <i>Beringius kennicottii</i>       | INVERT | gastropod  |      | 0      |
| 485  | Kicking mantis shrimp       | <i>Squilla aculeata</i>            | INVERT | shrimp     |      | 0      |
| 47   | Knobbed whelk               | <i>Busycon carica</i>              | INVERT | gastropod  |      | 0      |
| 411  | Kona crab                   | <i>Ranina ranina</i>               | INVERT | crab       |      | 0      |
| 254  | Kroyer's plicifis           | <i>Plicifusus kroyeri</i>          | INVERT | gastropod  |      | 0      |
| 273  | Kuro shrimp                 | <i>Argis</i> lar                   | INVERT | shrimp     |      | 0      |
| 318  | Kuruma prawn                | <i>Penaeus japonicus</i>           | INVERT | shrimp     |      | 0      |
| 235  | Ladder whelk                | <i>Buccinum scalariforme</i>       | INVERT | gastropod  |      | 0      |
| 571  | Lady crab                   | <i>Ovalipes ocellatus</i>          | INVERT | crab       |      | 0      |
| 437  | Land crab                   | <i>Cardisoma</i> spp.              | INVERT | crab       |      | 0      |
| 1014 | Land crabs                  |                                    | INVERT | crab       |      | 0      |
| 296  | Lange's metalmark butterfly | <i>Apodemia mormo langei</i>       | INVERT | insect     |      | 0      |
| 244  | Large melon whelk           | <i>Volutopsius melonis</i>         | INVERT | gastropod  |      | 0      |
| 243  | Left-handed whelk           | <i>Volutopsius harpa</i>           | INVERT | gastropod  |      | 0      |
| 121  | Lesser blue crab            | <i>Callinectes similis</i>         | INVERT | crab       |      | 0      |

|      |                                 |  |        |            |      |        |
|------|---------------------------------|--|--------|------------|------|--------|
| 483  | Lesser rock shrimp              | <i>Sicyonia dorsalis</i>               | INVERT | shrimp     |      | 0      |
| 526  | Lewis's moonsnail               | <i>Euspira lewisii</i>                 | INVERT | gastropod  |      | 0      |
| 90   | Lightning whelk                 | <i>Busycon contrarium</i>              | INVERT | gastropod  |      | 0      |
| 1029 | Limpets                         |  | INVERT | gastropod  |      | 0      |
| 523  | Lined chiton                    | <i>Tonicella lineata</i>               | INVERT | gastropod  |      | 0      |
| 307  | Lined sea star                  | <i>Luidia clathrata</i>                | INVERT | echinoderm |      | 0      |
| 241  | Little neptune                  | <i>Neptunea communis</i>               | INVERT | gastropod  |      | 0      |
| 507  | Little white tiger beetle       | <i>Cicindela lepida</i>                | INVERT | insect     | G4   | 200412 |
| 73   | Longfin squid                   | <i>Loligo pealeii</i>                  | INVERT | cephalopod |      | 0      |
| 574  | Longnose spider crab            | <i>Libinia dubia</i>                   | INVERT | crab       |      | 0      |
| 389  | Long-spined urchin              | <i>Diadema paucispinum</i>             | INVERT | echinoderm |      | 0      |
| 524  | Lorquin's admiral               | <i>Limenitis lorquini</i>              | INVERT | insect     |      | 0      |
| 1031 | Lymnaied snails                 |  | INVERT | gastropod  |      | 0      |
| 237  | Lyre whelk                      | <i>Neptunea lyrata</i>                 | INVERT | gastropod  |      | 0      |
| 432  | Macoma spp.                     | <i>Macoma</i> spp.                     | INVERT | bivalve    |      | 0      |
| 171  | Magistrate armhook squid        | <i>Berryteuthis magister</i>           | INVERT | cephalopod |      | 0      |
| 149  | Mangrove crab                   | <i>Ucides occidentalis</i>             | INVERT | crab       |      | 0      |
| 460  | Mangrove periwinkle             | <i>Littorina angulifera</i>            | INVERT | gastropod  |      | 0      |
| 122  | Mantis shrimp                   | <i>Squilla empusa</i>                  | INVERT | shrimp     |      | 0      |
| 397  | Mantis shrimp                   | <i>Gonadactylus falcatus</i>           | INVERT | shrimp     |      | 0      |
| 339  | Many-ribbed arc                 | <i>Anadara multicostata</i>            | INVERT | bivalve    |      | 0      |
| 370  | Maritime sunflower borer        | <i>Papaipema maritima</i>              | INVERT | insect     | G4   | 200412 |
| 299  | Middlekauf's shieldback katydid | <i>Idiostatus middlekaufi</i>          | INVERT | insect     |      | 0      |
| 491  | Milk conch                      | <i>Strombus costatus</i>               | INVERT | gastropod  |      | 0      |
| 295  | Mission blue butterfly          | <i>Icaricia icariodes missionensis</i> | INVERT | insect     |      | 0      |
| 104  | Mississippi pigtoe              | <i>Pleurobema beadleanum</i>           | INVERT | bivalve    |      | 0      |
| 1003 | Molluscs                        |  | INVERT | gastropod  |      | 0      |
| 310  | Mona Island shrimp              | <i>Typhlatya monensis</i>              | INVERT | shrimp     |      | 0      |
| 505  | Monarch butterfly               | <i>Danaus plexippus</i>                | INVERT | insect     | G4   | 200412 |
| 553  | Morro shoulderband              | <i>Helminthoglypta walkeriana</i>      | INVERT | gastropod  | G1   | 200601 |
| 527  | Mossy chiton                    | <i>Mopalia muscosa</i>                 | INVERT | gastropod  |      | 0      |
| 371  | Mottled duskywing               | <i>Erynnis martialis</i>               | INVERT | insect     | G3G4 | 200412 |
| 98   | Mussel                          | <i>Lithophaga</i> sp.                  | INVERT | bivalve    |      | 0      |
| 139  | Mussel                          | <i>Mytella</i> sp.                     | INVERT | bivalve    |      | 0      |
| 1015 | Mussels                         |  | INVERT | bivalve    |      | 0      |
| 549  | Myrtle's silverspot             | <i>Speyeria zerene myrtleae</i>        | INVERT | insect     | G5T1 | 200509 |
| 1011 | Native stream shrimp            |  | INVERT | shrimp     |      | 0      |
| 391  | Needle-spined urchin            | <i>Echinostrephus aciculatus</i>       | INVERT | echinoderm |      | 0      |
| 1033 | Neretid snails                  |  | INVERT | gastropod  |      | 0      |
| 468  | Netted nerite                   | <i>Neritina piratica</i>               | INVERT | gastropod  |      | 0      |
| 394  | Newcomb's snail                 | <i>Errina newcombi</i>                 | INVERT | gastropod  |      | 0      |



|      |                                 |                                    |        |            |    |        |
|------|---------------------------------|------------------------------------|--------|------------|----|--------|
| 285  | Northeastern beach tiger beetle | <i>Cicindela dorsalis dorsalis</i> | INVERT | insect     |    | 0      |
| 251  | Northern beringius              | <i>Beringius beringii</i>          | INVERT | gastropod  |    | 0      |
| 17   | Northern kelp crab              | <i>Pugettia producta</i>           | INVERT | crab       |    | 0      |
| 240  | Northern neptune                | <i>Neptunea heros</i>              | INVERT | gastropod  |    | 0      |
| 42   | Northern quahog                 | <i>Mercenaria mercenaria</i>       | INVERT | bivalve    |    | 0      |
| 6    | Northern shrimp                 | <i>Pandalus borealis</i>           | INVERT | shrimp     |    | 0      |
| 81   | Nothern horsemussel             | <i>Modiolus modiolus</i>           | INVERT | bivalve    |    | 0      |
| 76   | Nuttall cockle                  | <i>Clinocardium nuttallii</i>      | INVERT | bivalve    |    | 0      |
| 228  | Oblique whelk                   | <i>Colus hypolispus</i>            | INVERT | gastropod  |    | 0      |
| 428  | Oblong urchin                   | <i>Echinometra oblonga</i>         | INVERT | echinoderm |    | 0      |
| 5    | Ocean pink shrimp               | <i>Pandalus jordani</i>            | INVERT | shrimp     |    | 0      |
| 286  | Ocean quahog                    | <i>Arctica islandica</i>           | INVERT | bivalve    |    | 0      |
| 30   | Octopus                         | <i>Octopus spp.</i>                | INVERT | cephalopod |    | 0      |
| 1030 | Octopuses                       | Octopodidae                        | INVERT | cephalopod |    | 0      |
| 469  | Olive nerite                    | <i>Neritina reclivata</i>          | INVERT | gastropod  |    | 0      |
| 38   | Olympia oyster                  | <i>Ostrea lurida</i>               | INVERT | bivalve    |    | 0      |
| 396  | 'O'pae kala'ole (shrimp)        | <i>Atyoida bisulcata</i>           | INVERT | shrimp     |    | 0      |
| 398  | 'O'pae 'oeha'a (prawn)          | <i>Macrobrachium grandimanus</i>   | INVERT | shrimp     |    | 0      |
| 226  | Oregon triton                   | <i>Fusitriton oregonensis</i>      | INVERT | gastropod  |    | 0      |
| 131  | Oysters                         | <i>Ostrea spp.</i>                 | INVERT | bivalve    |    | 0      |
| 539  | Pacific bananaslug              | <i>Ariolimax columbianus</i>       | INVERT | gastropod  |    | 0      |
| 37   | Pacific Coast squid             | <i>Loligo opalescens</i>           | INVERT | cephalopod |    | 0      |
| 29   | Pacific littleneck              | <i>Protothaca staminea</i>         | INVERT | bivalve    |    | 0      |
| 207  | Pacific lyre crab               | <i>Hyas lyratus</i>                | INVERT | crab       |    | 0      |
| 79   | Pacific oyster                  | <i>Crassostrea gigas</i>           | INVERT | bivalve    |    | 0      |
| 28   | Pacific razor clam              | <i>Siliqua patula</i>              | INVERT | bivalve    |    | 0      |
| 215  | Pacific red hermit              | <i>Elassochirus gilli</i>          | INVERT | crab       |    | 0      |
| 85   | Pacific river crayfish          | <i>Pacifistacus trowbridgil</i>    | INVERT | crayfish   |    | 0      |
| 57   | Pacific rock crab               | <i>Cancer antennarius</i>          | INVERT | crab       |    | 0      |
| 354  | Pacific sand crab               | <i>Emerita analoga</i>             | INVERT | crab       |    | 0      |
| 475  | Paco box crab                   | <i>Platymera gaudichaudii</i>      | INVERT | crab       |    | 0      |
| 528  | Painted lady                    | <i>Vanessa cardui</i>              | INVERT | insect     |    | 0      |
| 560  | Palamedes swallowtail           | <i>Papilio palamedes</i>           | INVERT | insect     | G4 | 200612 |
| 225  | Pale moonsnail                  | <i>Euspira pallida</i>             | INVERT | gastropod  |    | 0      |
| 529  | Pale swallowtail                | <i>Papilio eurymedon</i>           | INVERT | insect     |    | 0      |
| 500  | Palolo worm                     | <i>Eunice viridis</i>              | INVERT | worm       |    | 0      |
| 129  | Panama brittle star             | <i>Ophioderma panamense</i>        | INVERT | echinoderm |    | 0      |
| 488  | Panama mantis shrimp            | <i>Squilla panamensis</i>          | INVERT | shrimp     |    | 0      |
| 462  | Panamic spider crab             | <i>Maiopsis panamensis</i>         | INVERT | crab       |    | 0      |
| 1049 | Pandalid shrimp                 | <i>Pandalus spp.</i>               | INVERT | shrimp     |    | 0      |
| 132  | Pearl oyster                    | <i>Pinctada mazatlanica</i>        | INVERT | bivalve    |    | 0      |

|      |                                |                                    |        |            |      |        |
|------|--------------------------------|------------------------------------|--------|------------|------|--------|
| 429  | Pebble collector urchin        | <i>Pseudoboletia indiana</i>       | INVERT | echinoderm |      | 0      |
| 477  | Pelagic red crab               | <i>Pleuroncodes planipes</i>       | INVERT | crab       |      | 0      |
| 92   | Penaeid shrimp                 | <i>Penaeus</i> spp.                | INVERT | shrimp     |      | 0      |
| 319  | <i>Penaeus monoceros</i>       | <i>Penaeus monoceros</i>           | INVERT | shrimp     |      | 0      |
| 552  | Pilsbry piddock                | <i>Zirfaea pilsbryi</i>            | INVERT | bivalve    |      | 0      |
| 201  | Pinch bug                      | <i>Munida quadrispina</i>          | INVERT | crab       |      | 0      |
| 65   | Pink abalone                   | <i>Haliotis corrugata</i>          | INVERT | gastropod  |      | 0      |
| 4    | Pink shrimp                    | <i>Penaeus duorarum</i>            | INVERT | shrimp     |      | 0      |
| 325  | Pink shrimp                    | <i>Penaeus brevisrostris</i>       | INVERT | shrimp     |      | 0      |
| 435  | Pinkneck clam                  | <i>Spisula polynyma</i>            | INVERT | bivalve    |      | 0      |
| 472  | Pinkspotted shrimp             | <i>Penaeus brasiliensis</i>        | INVERT | shrimp     |      | 0      |
| 330  | Pinto shrimp                   | <i>Trachypenaeus fuscina</i>       | INVERT | shrimp     |      | 0      |
| 404  | Pipiwai (snail)                | <i>Theodoxus cariosus</i>          | INVERT | gastropod  |      | 0      |
| 18   | Pismo clam                     | <i>Tivela stultorum</i>            | INVERT | bivalve    |      | 0      |
| 525  | Plain tellin                   | <i>Tellina modesta</i>             | INVERT | bivalve    |      | 0      |
| 530  | Plate limpet                   | <i>Notoacmea scutum</i>            | INVERT | gastropod  |      | 0      |
| 271  | Polar lebbeid                  | <i>Lebbeus polaris</i>             | INVERT | shrimp     |      | 0      |
| 232  | Polar whelk                    | <i>Buccinum polare</i>             | INVERT | gastropod  |      | 0      |
| 1007 | Polychaetes                    |                                    | INVERT | invert     |      | 0      |
| 573  | Portly spider crab             | <i>Libinia emarginata</i>          | INVERT | crab       |      | 0      |
| 238  | Pribilof whelk                 | <i>Neptunea pribiloffensis</i>     | INVERT | gastropod  |      | 0      |
| 403  | Pronghorn spiny lobster        | <i>Panulirus penicillatus</i>      | INVERT | lobster    |      | 0      |
| 16   | Puget Sound king crab          | <i>Paralithodes</i> sp.            | INVERT | crab       |      | 0      |
| 375  | Puritan tiger beetle           | <i>Cicindela puritana</i>          | INVERT | insect     | G1G2 | 200412 |
| 214  | Purple hermit                  | <i>Elassochirus cavimanus</i>      | INVERT | crab       |      | 0      |
| 324  | Purple land crab               | <i>Gecarcinus ruricola</i>         | INVERT | crab       |      | 0      |
| 70   | Purple shore crab              | <i>Hemigrapsus nudus</i>           | INVERT | crab       |      | 0      |
| 1034 | Purse shells                   |                                    | INVERT | gastropod  |      | 0      |
| 208  | Pygmy rock crab                | <i>Cancer oregonensis</i>          | INVERT | crab       |      | 0      |
| 100  | Quahog                         | <i>Mercenaria</i> spp.             | INVERT | bivalve    |      | 0      |
| 101  | Queen conch                    | <i>Strombus gigas</i>              | INVERT | gastropod  |      | 0      |
| 379  | Rare crayfish                  |                                    | INVERT | crayfish   |      | 0      |
| 380  | Rare freshwater mussel         |                                    | INVERT | bivalve    |      | 0      |
| 378  | Rare insect                    |                                    | INVERT | insect     |      | 0      |
| 559  | Rare skipper                   | <i>Problema bulenta</i>            | INVERT | insect     | G2G3 | 200612 |
| 1047 | Rare sponges                   |                                    | INVERT | invert     |      | 0      |
| 575  | "Rare, LT, or LE invertebrate" |                                    | INVERT | invert     |      | 0      |
| 61   | Red abalone                    | <i>Haliotis rufescens</i>          | INVERT | gastropod  |      | 0      |
| 195  | Red box crab                   | <i>Lopholithodes mandtii</i>       | INVERT | crab       |      | 0      |
| 39   | Red king crab                  | <i>Paralithodes camtschaticus</i>  | INVERT | crab       |      | 0      |
| 430  | Red pencil urchin              | <i>Heterocentrotus mammillatus</i> | INVERT | echinoderm |      | 0      |

|      |                                |  |        |            |    |        |
|------|--------------------------------|--|--------|------------|----|--------|
| 53   | Red rock crab                  | <i>Cancer productus</i>                | INVERT | crab       |    | 0      |
| 86   | Red sea urchin                 | <i>Strongylocentrotus franciscanus</i> | INVERT | echinoderm |    | 0      |
| 84   | Red swamp crawfish             | <i>Procambarus clarkii</i>             | INVERT | crayfish   | G5 | 200412 |
| 36   | Reddish scallop                | <i>Chlamys rubida</i>                  | INVERT | bivalve    |    | 0      |
| 407  | Red-rim melania                | <i>Melanoides tuberculatus</i>         | INVERT | gastropod  |    | 0      |
| 1054 | Reef invertebrates             |  | INVERT | invert     |    | 0      |
| 196  | Rhinoceros crab                | <i>Rhinolithodes wosnessenskii</i>     | INVERT | crab       |    | 0      |
| 282  | Ribbed barnacles               | <i>Tetraclita</i> spp.                 | INVERT | barnacle   |    | 0      |
| 540  | Ribbed limpet                  | <i>Lottia digitalis</i>                | INVERT | gastropod  |    | 0      |
| 80   | Ribbed mussel                  | <i>Geukensia demissa</i>               | INVERT | bivalve    |    | 0      |
| 414  | Ridgeback slipper lobster      | <i>Scyllarides haanii</i>              | INVERT | lobster    |    | 0      |
| 275  | Ridged crangon                 | <i>Crangon dalli</i>                   | INVERT | shrimp     |    | 0      |
| 408  | River shrimp                   | <i>Macrobrachium</i> sp.               | INVERT | shrimp     |    | 0      |
| 438  | River shrimp                   | <i>Macrobrachium</i> spp.              | INVERT | shrimp     |    | 0      |
| 454  | Robust swimcrab                | <i>Euphyllax robustus</i>              | INVERT | crab       |    | 0      |
| 91   | Rock crabs                     |  | INVERT | crab       |    | 0      |
| 401  | Rock oyster                    | <i>Chama iostoma</i>                   | INVERT | bivalve    |    | 0      |
| 165  | Rock shells                    | <i>Purpura</i> spp.                    | INVERT | gastropod  |    | 0      |
| 71   | Rock shrimp                    | <i>Sicyonia brevirostris</i>           | INVERT | shrimp     |    | 0      |
| 439  | Rock shrimp                    | <i>Sicyonia</i> spp.                   | INVERT | shrimp     |    | 0      |
| 390  | Rock-boring urchin             | <i>Echinometra mathaei</i>             | INVERT | echinoderm |    | 0      |
| 494  | Rocksnailed                    | <i>Thais haemastoma</i>                | INVERT | gastropod  |    | 0      |
| 280  | Roughback shrimp               | <i>Trachypenaeus similis pacificus</i> | INVERT | shrimp     |    | 0      |
| 59   | Rough-sided little-necked clam | <i>Palphia staminea</i>                | INVERT | bivalve    |    | 0      |
| 449  | Rugose swimming crab           | <i>Callinectes exasperatus</i>         | INVERT | crab       |    | 0      |
| 224  | Rusty moon snail               | <i>Natica russa</i>                    | INVERT | gastropod  |    | 0      |
| 374  | Saltmarsh tiger beetle         | <i>Cicindela marginata</i>             | INVERT | insect     | G5 | 200412 |
| 1035 | Saltwater shrimp               |  | INVERT | shrimp     |    | 0      |
| 88   | Samoan crab                    | <i>Scylla serrata</i>                  | INVERT | crab       |    | 0      |
| 294  | San Bruno elfin butterfly      | <i>Incisalia mossii bayensis</i>       | INVERT | insect     |    | 0      |
| 512  | Sand-verbena moth              | <i>Copablepharon fuscum</i>            | INVERT | insect     |    | 0      |
| 532  | Satyr anglewing                | <i>Polygonia satyrus</i>               | INVERT | insect     |    | 0      |
| 200  | Scaled crab                    | <i>Placetron wosnessenskii</i>         | INVERT | crab       |    | 0      |
| 1051 | Scallops                       |  | INVERT | bivalve    |    | 0      |
| 415  | Scaly slipper lobster          | <i>Scyllarides squammosus</i>          | INVERT | lobster    |    | 0      |
| 193  | Scarlet king crab              | <i>Lithodes couesi</i>                 | INVERT | crab       |    | 0      |
| 115  | Scrub tiger beetle             | <i>Cicindela scabrosa</i>              | INVERT | insect     | G3 | 200412 |
| 277  | Sculptured shrimp              | <i>Sclerocrangon boreas</i>            | INVERT | shrimp     |    | 0      |
| 1012 | Sea cucumbers                  | Stichopodidae                          | INVERT | echinoderm |    | 0      |
| 34   | Sea scallop                    | <i>Placopecten magellanicus</i>        | INVERT | bivalve    |    | 0      |
| 1036 | Sea slugs                      |  | INVERT | gastropod  |    | 0      |

|      |                                   |                                  |        |            |      |        |
|------|-----------------------------------|----------------------------------|--------|------------|------|--------|
| 1037 | Sea snails                        |                                  | INVERT | gastropod  |      | 0      |
| 1009 | Sea urchins                       |                                  | INVERT | echinoderm |      | 0      |
| 276  | Sevenspine bay shrimp             | <i>Crangon septemspinosa</i>     | INVERT | shrimp     |      | 0      |
| 569  | Shark eye                         | <i>Neverita duplicata</i>        | INVERT | gastropod  |      | 0      |
| 1002 | Shellfish                         |                                  | INVERT | shellfish  |      | 0      |
| 455  | Shield fan lobster                | <i>Evibacus princeps</i>         | INVERT | lobster    |      | 0      |
| 533  | Shield limpet                     | <i>Lottia pelta</i>              | INVERT | gastropod  |      | 0      |
| 263  | Shortscale eualid                 | <i>Eualus suckleyi</i>           | INVERT | shrimp     |      | 0      |
| 247  | Shouldered whelk                  | <i>Volutopsius stefanssoni</i>   | INVERT | gastropod  |      | 0      |
| 180  | Siberia softshell clam            | <i>Mya uzenensis</i>             | INVERT | bivalve    |      | 0      |
| 7    | Sidestripe shrimp                 | <i>Pandalopsis dispar</i>        | INVERT | shrimp     |      | 0      |
| 116  | Silver Glen Springs cave crayfish | <i>Procambarus attiguus</i>      | INVERT | crayfish   | G1   | 200412 |
| 550  | Silvery blue                      | <i>Glaucopsyche lygdamus</i>     | INVERT | insect     | G5   | 200511 |
| 234  | Sinuuous whelk                    | <i>Buccinum plectrum</i>         | INVERT | gastropod  |      | 0      |
| 534  | Sitka periwinkle                  | <i>Littorina sitkana</i>         | INVERT | gastropod  |      | 0      |
| 564  | Slender stygobromid               | <i>Stygobromus tenuis tenuis</i> | INVERT | invert     | G4T4 | 200701 |
| 1045 | Slipper lobsters                  | Scyllaridae                      | INVERT | lobster    |      | 0      |
| 1056 | Slipper lobsters                  | <i>Parribacus</i> spp.           | INVERT | lobster    |      | 0      |
| 489  | Small mantis shrimp               | <i>Squilla parva</i>             | INVERT | shrimp     |      | 0      |
| 547  | Smooth skeleton shrimp            | <i>Caprella laeviuscula</i>      | INVERT | invert     |      | 0      |
| 446  | Snapping shrimp                   | <i>Alpheus</i> sp.               | INVERT | shrimp     |      | 0      |
| 202  | Snow crab                         | <i>Chionoecetes opilio</i>       | INVERT | crab       |      | 0      |
| 199  | Soft crab                         | <i>Hapalogaster grebnitzkii</i>  | INVERT | crab       |      | 0      |
| 25   | Softshell clam                    | <i>Mya arenaria</i>              | INVERT | bivalve    |      | 0      |
| 486  | Sorcerer mantis shrimp            | <i>Squilla biformis</i>          | INVERT | shrimp     |      | 0      |
| 315  | Southern pink shrimp              | <i>Penaeus notialis</i>          | INVERT | shrimp     |      | 0      |
| 94   | Southern quahog                   | <i>Mercenaria campechiensis</i>  | INVERT | bivalve    |      | 0      |
| 473  | Southern white shrimp             | <i>Penaeus schmitti</i>          | INVERT | shrimp     |      | 0      |
| 89   | Speckled scallop                  | <i>Argopectin circularis</i>     | INVERT | bivalve    |      | 0      |
| 67   | Spiny cockle                      | <i>Cardium quadrigenarium</i>    | INVERT | bivalve    |      | 0      |
| 270  | Spiny lebbeid                     | <i>Lebbeus groenlandicus</i>     | INVERT | shrimp     |      | 0      |
| 1055 | Spiny lobsters                    | <i>Panulirus</i> spp.            | INVERT | lobster    |      | 0      |
| 433  | Spiny oyster                      | <i>Spondylus nicobaricus</i>     | INVERT | bivalve    |      | 0      |
| 33   | Spiny scallop                     | <i>Chlamys hastata</i>           | INVERT | bivalve    |      | 0      |
| 212  | Splendid hermit                   | <i>Labidochirus splendescens</i> | INVERT | crab       |      | 0      |
| 1027 | Sponges                           |                                  | INVERT | invert     |      | 0      |
| 8    | Spot shrimp                       | <i>Pandalus platyceros</i>       | INVERT | shrimp     |      | 0      |
| 445  | Spotted porcelain crab            | <i>Porcellana sayana</i>         | INVERT | crab       |      | 0      |
| 476  | Squat lobster                     | <i>Pleuroncodes monodon</i>      | INVERT | crab       |      | 0      |
| 356  | Squat lobster                     | <i>Munida</i> sp.                | INVERT | lobster    |      | 0      |
| 365  | Squat lobster                     | <i>Munidopsis</i> sp.            | INVERT | lobster    |      | 0      |

|      |                                |                                  |        |            |      |        |
|------|--------------------------------|----------------------------------|--------|------------|------|--------|
| 107  | Squawfoot                      | <i>Strophitus undulatus</i>      | INVERT | bivalve    | G5   | 200412 |
| 322  | Squid                          | <i>Loligo</i> spp.               | INVERT | cephalopod |      | 0      |
| 117  | St. Johns elephantear          | <i>Elliptio monroensis</i>       | INVERT | bivalve    | G2G3 | 200412 |
| 1032 | Starfish                       |                                  | INVERT | echinoderm |      | 0      |
| 268  | Stiletto coastal shrimp        | <i>Heptacarpus stylus</i>        | INVERT | shrimp     |      | 0      |
| 252  | Stimpson's beringius           | <i>Beringius stimpsoni</i>       | INVERT | gastropod  |      | 0      |
| 74   | Stone crab                     | <i>Menippe</i> spp.              | INVERT | crab       |      | 0      |
| 269  | Stout coastal shrimp           | <i>Heptacarpus brevirostris</i>  | INVERT | shrimp     |      | 0      |
| 572  | Stout tagelus                  | <i>Tagelus plebeius</i>          | INVERT | bivalve    | G5   | 200704 |
| 520  | Straight horsemussel           | <i>Modiolus rectus</i>           | INVERT | bivalve    |      | 0      |
| 15   | Striped shore crab             | <i>Pachygrapsus crassipes</i>    | INVERT | crab       |      | 0      |
| 161  | Sulfur sea cucumber            | <i>Selenkothuria lubrica</i>     | INVERT | echinoderm |      | 0      |
| 58   | Sunset clam                    | <i>Gari californica</i>          | INVERT | bivalve    |      | 0      |
| 99   | Surf crab                      | <i>Arenaeus cribrarius</i>       | INVERT | crab       |      | 0      |
| 313  | Swamp ghost crab (zambuco)     | <i>Ucides cordatus</i>           | INVERT | crab       |      | 0      |
| 320  | Swimming crab                  | <i>Charybdis longicollis</i>     | INVERT | crab       |      | 0      |
| 453  | Swimming crab                  | <i>Euphyllax dovii</i>           | INVERT | crab       |      | 0      |
| 1025 | Swimming crabs                 | Portunidae                       | INVERT | crab       |      | 0      |
| 399  | Tahitian prawn                 | <i>Macrobrachium</i> lar         | INVERT | shrimp     |      | 0      |
| 40   | Tanner crab                    | <i>Chionoecetes bairdi</i>       | INVERT | crab       |      | 0      |
| 392  | Ten-lined urchin               | <i>Eucidaris metularia</i>       | INVERT | echinoderm |      | 0      |
| 535  | Thatched barnacle              | <i>Semibalanus cariosus</i>      | INVERT | barnacle   |      | 0      |
| 255  | Thick-ribbed whelk             | <i>Colus spitzbergensis</i>      | INVERT | gastropod  |      | 0      |
| 256  | Thin-ribbed whelk              | <i>Colus herendeenii</i>         | INVERT | gastropod  |      | 0      |
| 412  | Thin-shelled rock crab         | <i>Grapsus tenuicrustatus</i>    | INVERT | crab       |      | 0      |
| 566  | Thinstripe hermit              | <i>Clibanarius vittatus</i>      | INVERT | crab       |      | 0      |
| 249  | Threaded whelk                 | <i>Volutopsius filusus</i>       | INVERT | gastropod  |      | 0      |
| 381  | Threatened freshwater mussel   |                                  | INVERT | bivalve    |      | 0      |
| 300  | Tiburon micro-blind harvestman | <i>Microcina tiburona</i>        | INVERT | insect     |      | 0      |
| 1028 | Tidepool invertebrates         |                                  | INVERT | invert     |      | 0      |
| 377  | Tidewater mucket               | <i>Leptodea ochracea</i>         | INVERT | bivalve    | G4   | 200412 |
| 376  | Tiger beetle                   | <i>Cicindela tranquebarica</i>   | INVERT | insect     | G5   | 200412 |
| 481  | Titi shrimp                    | <i>Protachypene precipus</i>     | INVERT | shrimp     |      | 0      |
| 158  | Tomales isopod                 | <i>Caecidotea tomalensis</i>     | INVERT | invert     |      | 0      |
| 542  | Topshell                       | <i>Trochus</i> spp.              | INVERT | gastropod  |      | 0      |
| 176  | Trenched nutclam               | <i>Nuculana fossa</i>            | INVERT | bivalve    |      | 0      |
| 204  | Triangle tanner crab           | <i>Chionoecetes angulatus</i>    | INVERT | crab       |      | 0      |
| 456  | True tulip                     | <i>Fasciolaria tulipa</i>        | INVERT | gastropod  |      | 0      |
| 178  | Truncate softshell clam        | <i>Mya truncata</i>              | INVERT | bivalve    |      | 0      |
| 246  | Tulip whelk                    | <i>Volutopsius middendorffii</i> | INVERT | gastropod  |      | 0      |
| 501  | Turban snail                   | <i>Turbo</i> sp.                 | INVERT | gastropod  |      | 0      |

|      |                                |                                 |        |            |      |        |
|------|--------------------------------|---------------------------------|--------|------------|------|--------|
| 369  | Turret snail                   | Valvata tricarinata             | INVERT | gastropod  | G5   | 200412 |
| 274  | Twospine crangon               | Crangon communis                | INVERT | shrimp     |      | 0      |
| 123  | Two-spotted octopus            | Octopus bimaculatus             | INVERT | cephalopod |      | 0      |
| 1042 | Unique invertebrate assemblage |                                 | INVERT | invert     |      | 0      |
| 548  | Upogebia pugettensis           | Blue mud shrimp                 | INVERT | shrimp     | GNR  | 200508 |
| 431  | Vagabond boring sponge         | Spirastrella vagabunda          | INVERT | invert     |      | 0      |
| 457  | Variagate shore crab           | Geograpsus lividus              | INVERT | crab       |      | 0      |
| 490  | Velvet spidercrab              | Stenocionops ovata              | INVERT | crab       |      | 0      |
| 138  | Vernal pool fairy shrimp       | Branchinecta lynchi             | INVERT | shrimp     | G2G3 | 200412 |
| 2    | Vernal pool tadpole shrimp     | Lepidurus packardi              | INVERT | shrimp     | G2G3 | 200412 |
| 470  | Virgin nerite                  | Neritina virginea               | INVERT | gastropod  |      | 0      |
| 368  | Virginia river snail           | Elimia virginica                | INVERT | gastropod  | G4G5 | 200412 |
| 545  | Volcano barnacle               | Tetraclita rubescens            | INVERT | barnacle   |      | 0      |
| 248  | Volute whelk                   | Volutopsius castaneus           | INVERT | gastropod  |      | 0      |
| 242  | Warped whelk                   | Volutopsius deformis            | INVERT | gastropod  |      | 0      |
| 56   | Wart-necked piddock            |                                 | INVERT | bivalve    |      | 0      |
| 21   | Washington butterclam          | Saxidomus gigantea              | INVERT | bivalve    |      | 0      |
| 316  | Water boatman                  | Trichorixa reticulata           | INVERT | insect     |      | 0      |
| 55   | Wavy top snail                 | Astraea undosa                  | INVERT | gastropod  |      | 0      |
| 259  | Weathervane scallop            | Patinopecten caurinus           | INVERT | bivalve    |      | 0      |
| 492  | West Indian fighting conch     | Strombus pugilis                | INVERT | gastropod  |      | 0      |
| 311  | West Indian topsnail (whelk)   | Cittarium pica                  | INVERT | gastropod  |      | 0      |
| 78   | Western Pacific crayfish       | Pacifastacus leniusculus        | INVERT | crayfish   | G5   | 200412 |
| 536  | Western tiger swallowtail      | Papilio rutulus                 | INVERT | insect     |      | 0      |
| 327  | Western white shrimp           | Penaeus occidentalis            | INVERT | shrimp     |      | 0      |
| 64   | White abalone                  | Haliotis sorenseni              | INVERT | gastropod  |      | 0      |
| 105  | White heelsplitter             | Lasmigona complanata complanata | INVERT | bivalve    |      | 0      |
| 83   | White river crawfish           | Procambarus acutus              | INVERT | crayfish   | G5   | 200412 |
| 499  | White sea urchin               | Tripneustes depressus           | INVERT | echinoderm |      | 0      |
| 50   | White shrimp                   | Penaeus setiferus               | INVERT | shrimp     |      | 0      |
| 169  | White shrimp                   | Penaeus vannamei                | INVERT | shrimp     |      | 0      |
| 556  | White tiger beetle             | Cicindela dorsalis media        | INVERT | insect     | G4T4 | 200612 |
| 541  | White-sand macoma              | Macoma secta                    | INVERT | bivalve    |      | 0      |
| 213  | Wideband hermit                | Elassochirus tenuimanus         | INVERT | crab       |      | 0      |
| 366  | Woodland pondsnail             | Stagnicola catascopium          | INVERT | gastropod  | G5   | 200412 |
| 537  | Woodland skipper               | Ochlodes sylvanoides            | INVERT | insect     |      | 0      |
| 1038 | Xanthid crabs                  |                                 | INVERT | crab       |      | 0      |
| 480  | Xantus swimming crab           | Portunus xantusii               | INVERT | crab       |      | 0      |
| 544  | Yellow lampmussel              | Lampsilis cariosa               | INVERT | bivalve    | G3G4 | 200507 |
| 510  | Yellow shore crab              | Hemigrapsus oregonensis         | INVERT | crab       |      | 0      |
| 262  | Yellowleg pandalid             | Pandalus tridens                | INVERT | shrimp     |      | 0      |

|      |                                |                                   |          |           |      |        |
|------|--------------------------------|-----------------------------------|----------|-----------|------|--------|
| 326  | Yellowleg shrimp               | <i>Penaeus californiensis</i>     | INVERT   | shrimp    |      | 0      |
| 1058 | Zaus spp.                      | <i>Zaus</i> spp.                  | INVERT   | invert    |      | 0      |
| 461  | Zebra periwinkle               | <i>Littorina ziczac</i>           | INVERT   | gastropod |      | 0      |
| 1046 | Zoanths                        |                                   | INVERT   | invert    |      | 0      |
| 21   | Atlantic spotted dolphin       | <i>Stenella plagiodon</i>         | M_MAMMAL | dolphin   |      | 0      |
| 86   | Atlantic white-sided dolphin   | <i>Lagenorhynchus acutus</i>      | M_MAMMAL | dolphin   |      | 0      |
| 98   | Baird's beaked whale           | <i>Berardius bairdii</i>          | M_MAMMAL | whale     | G4   | 200412 |
| 15   | Bearded seal                   | <i>Erignathus barbatus</i>        | M_MAMMAL | pinniped  |      | 0      |
| 9    | Beluga whale                   | <i>Delphinapterus leucas</i>      | M_MAMMAL | whale     | G4   | 200412 |
| 97   | Bering Sea beaked whale        | <i>Mesoplodon stejnegeri</i>      | M_MAMMAL | whale     | G3   | 200412 |
| 29   | Blue whale                     | <i>Balaenoptera musculus</i>      | M_MAMMAL | whale     | G3G4 | 200412 |
| 17   | Bottlenose dolphin             | <i>Tursiops truncatus</i>         | M_MAMMAL | dolphin   | G5   | 200412 |
| 95   | Bowhead whale                  | <i>Balaena mysticetus</i>         | M_MAMMAL | whale     | G4   | 200412 |
| 88   | Bryde's whale                  | <i>Balaenoptera edeni</i>         | M_MAMMAL | whale     |      | 0      |
| 22   | California sea lion            | <i>Zalophus californianus</i>     | M_MAMMAL | pinniped  | G5   | 200412 |
| 96   | Cuvier's beaked whale          | <i>Ziphius cavirostris</i>        | M_MAMMAL | whale     | G4   | 200412 |
| 47   | Dall's porpoise                | <i>Phocoenoides dalli dalli</i>   | M_MAMMAL | dolphin   |      | 0      |
| 101  | Dolphin                        |                                   | M_MAMMAL | dolphin   |      | 0      |
| 1001 | Dolphins                       |                                   | M_MAMMAL | dolphin   |      | 0      |
| 82   | Dwarf sperm whale              | <i>Kogia simus</i>                | M_MAMMAL | whale     | G4   | 200412 |
| 89   | Endangered whale               |                                   | M_MAMMAL | whale     |      | 0      |
| 102  | False killer whale             | <i>Pseudorca crassidens</i>       | M_MAMMAL | whale     | G4   | 200412 |
| 11   | Fin whale                      | <i>Balaenoptera physalus</i>      | M_MAMMAL | whale     | G3G4 | 200412 |
| 104  | Gray dolphin                   | <i>Sotalia fluviatilis</i>        | M_MAMMAL | dolphin   |      | 0      |
| 14   | Gray seal                      | <i>Halichoerus grypus</i>         | M_MAMMAL | pinniped  | G4G5 | 200412 |
| 26   | Gray whale                     | <i>Eschrichtius robustus</i>      | M_MAMMAL | whale     | G3G4 | 200412 |
| 23   | Guadalupe fur seal             | <i>Arctocephalus townsendi</i>    | M_MAMMAL | pinniped  | G1   | 200412 |
| 6    | Harbor porpoise                | <i>Phocoena phocoena</i>          | M_MAMMAL | dolphin   | G4G5 | 200412 |
| 2    | Harbor seal                    | <i>Phoca vitulina</i>             | M_MAMMAL | pinniped  | G5   | 200412 |
| 85   | Harp seal                      | <i>Pagophilus groenlandicus</i>   | M_MAMMAL | pinniped  |      | 0      |
| 51   | Hawaiian monk seal             | <i>Monachus schauinslandi</i>     | M_MAMMAL | pinniped  | G2   | 200412 |
| 84   | Hooded seal                    | <i>Cystophora cristata</i>        | M_MAMMAL | pinniped  | G4G5 | 200412 |
| 13   | Humpback whale                 | <i>Megaptera novaeangliae</i>     | M_MAMMAL | whale     | G3   | 200412 |
| 4    | Killer whale                   | <i>Orcinus orca</i>               | M_MAMMAL | whale     | G4G5 | 200412 |
| 106  | Long-beaked saddleback dolphin | <i>Delphinus capensis</i>         | M_MAMMAL | dolphin   | G4G5 | 200604 |
| 83   | Long-finned pilot whale        | <i>Globicephala melaena</i>       | M_MAMMAL | whale     |      | 0      |
| 5    | Melon-headed whale             | <i>Peponocephala electra</i>      | M_MAMMAL | whale     | G4   | 200412 |
| 1005 | Mesoplodont beaked whales      | <i>Mesoplodon</i> spp.            | M_MAMMAL | whale     |      | 0      |
| 12   | Minke whale                    | <i>Balaenoptera acutorostrata</i> | M_MAMMAL | whale     | G5   | 200412 |
| 24   | Northern elephant seal         | <i>Mirounga angustirostris</i>    | M_MAMMAL | pinniped  | G5   | 200412 |
| 3    | Northern fur seal              | <i>Callorhinus ursinus</i>        | M_MAMMAL | pinniped  | G3   | 200412 |

|      |                                 |  |          |            |      |        |
|------|---------------------------------|--|----------|------------|------|--------|
| 81   | Northern right whale            | <i>Eubalaena glacialis</i>               | M_MAMMAL | whale      | G1   | 200412 |
| 20   | Northern right-whale dolphin    | <i>Lissodelphis borealis</i>             | M_MAMMAL | dolphin    | G4   | 200412 |
| 99   | Pacific harbor seal             | <i>Phoca vitulina richardii</i>          | M_MAMMAL | pinniped   |      | 0      |
| 94   | Pacific walrus                  | <i>Odobenus rosmarus divergens</i>       | M_MAMMAL | pinniped   |      | 0      |
| 45   | Pacific white-sided dolphin     | <i>Lagenorhynchus obliquidens</i>        | M_MAMMAL | dolphin    |      | 0      |
| 1003 | Pinnipeds                       |  | M_MAMMAL | pinniped   |      | 0      |
| 90   | Polar bear                      | <i>Ursus maritimus</i>                   | M_MAMMAL | polar bear | G4   | 200412 |
| 105  | Pygmy killer whale              | <i>Feresa attenuata</i>                  | M_MAMMAL | whale      | G4   | 200412 |
| 18   | Pygmy sperm whale               | <i>Kogia breviceps</i>                   | M_MAMMAL | whale      | G4   | 200412 |
| 93   | Ribbon seal                     | <i>Histiophoca fasciata</i>              | M_MAMMAL | pinniped   | G5   | 200412 |
| 92   | Ringed seal                     | <i>Pusa hispida</i>                      | M_MAMMAL | pinniped   | G5   | 200412 |
| 46   | Risso's dolphin                 | <i>Grampus griseus</i>                   | M_MAMMAL | dolphin    | G5   | 200412 |
| 87   | Rough-toothed dolphin           | <i>Steno bredanensis</i>                 | M_MAMMAL | dolphin    | G4   | 200412 |
| 1004 | Sea lions                       |  | M_MAMMAL | pinniped   |      | 0      |
| 7    | Sea otter                       | <i>Enhydra lutris</i>                    | M_MAMMAL | sea_otter  | G4   | 200412 |
| 1002 | Seals                           |  | M_MAMMAL | pinniped   |      | 0      |
| 27   | Sei whale                       | <i>Balaenoptera borealis</i>             | M_MAMMAL | whale      | G3   | 200412 |
| 60   | Short-beaked saddleback dolphin | <i>Delphinus delphis</i>                 | M_MAMMAL | dolphin    | G5   | 200412 |
| 19   | Short-finned pilot whale        | <i>Globicephala macrorhynchus</i>        | M_MAMMAL | whale      | G5   | 200412 |
| 48   | Sperm whale                     | <i>Physeter macrocephalus</i>            | M_MAMMAL | whale      | G3G4 | 200412 |
| 50   | Spinner dolphin                 | <i>Stenella longirostris</i>             | M_MAMMAL | dolphin    | G5   | 200412 |
| 49   | Spotted dolphin                 | <i>Stenella attenuata</i>                | M_MAMMAL | dolphin    | G5   | 200412 |
| 91   | Spotted seal                    | <i>Phoca largha</i>                      | M_MAMMAL | pinniped   | G4G5 | 200412 |
| 1    | Steller sea lion                | <i>Eumetopias jubatus</i>                | M_MAMMAL | pinniped   | G3   | 200412 |
| 61   | Stenellid dolphin               | <i>Stenella sp.</i>                      | M_MAMMAL | dolphin    |      | 0      |
| 103  | Stenellid dolphin               | <i>Stenella spp.</i>                     | M_MAMMAL | dolphin    |      | 0      |
| 100  | Striped dolphin                 | <i>Stenella coeruleoalba</i>             | M_MAMMAL | dolphin    | G5   | 200412 |
| 16   | Walrus                          | <i>Odobenus rosmarus</i>                 | M_MAMMAL | pinniped   | G4   | 200412 |
| 10   | West Indian manatee             | <i>Trichechus manatus</i>                | M_MAMMAL | manatee    | G2   | 200412 |
| 1000 | Whales                          |  | M_MAMMAL | whale      |      | 0      |
| 104  |                                 | <i>Ameiva festiva</i>                    | REPTILE  | lizard     |      | 0      |
| 105  |                                 | <i>Cnemidophorus lemniscatus</i>         | REPTILE  | lizard     |      | 0      |
| 106  |                                 | <i>Sceloporus variabilis</i>             | REPTILE  | lizard     | G5   | 200412 |
| 92   |                                 | <i>Loxocemus bicolor</i>                 | REPTILE  | snake      |      | 0      |
| 95   |                                 | <i>Micrurus nigrocinctus</i>             | REPTILE  | snake      |      | 0      |
| 101  |                                 | <i>Enulis flavitorques</i>               | REPTILE  | snake      |      | 0      |
| 142  | Adorned graceful brown snake    | <i>Rhadinaea decorata</i>                | REPTILE  | snake      |      | 0      |
| 19   | Alabama red-bellied turtle      | <i>Pseudemys alabamensis</i>             | REPTILE  | turtle     | G1   | 200412 |
| 63   | Alameda whipsnake               | <i>Masticophis lateralis euryxanthus</i> | REPTILE  | snake      |      | 0      |
| 180  | Alligator snapping turtle       | <i>Macrochelys temminckii</i>            | REPTILE  | turtle     | G3G4 | 200703 |
| 3    | American alligator              | <i>Alligator mississippiensis</i>        | REPTILE  | alligator  | G5   | 200412 |



|     |                                    |                                       |         |           |       |        |
|-----|------------------------------------|---------------------------------------|---------|-----------|-------|--------|
| 1   | American crocodile                 | <i>Crocodylus acutus</i>              | REPTILE | alligator | G2    | 200412 |
| 86  | Anegada ground iguana              | <i>Cyclura pinguis</i>                | REPTILE | lizard    |       | 0      |
| 91  | Anoles                             | <i>Norops</i> sp.                     | REPTILE | lizard    |       | 0      |
| 110 | Aruba island rattlesnake           | <i>Crotalus durissus</i>              | REPTILE | snake     |       | 0      |
| 11  | Atlantic salt marsh snake          | <i>Nerodia fasciata taeniata</i>      | REPTILE | snake     |       | 0      |
| 96  | Barred whiptail                    | <i>Ameiva undulata</i>                | REPTILE | lizard    |       | 0      |
| 44  | Black iguana                       | <i>Ctenosaura similis</i>             | REPTILE | lizard    |       | 0      |
| 23  | Black pine snake                   | <i>Pituophis melanoleucus lodingi</i> | REPTILE | snake     |       | 0      |
| 152 | Black wood turtle                  | <i>Rhinoclemmys funerea</i>           | REPTILE | turtle    |       | 0      |
| 41  | Black-spotted newt                 | <i>Notophthalmus meridionalis</i>     | REPTILE | amphibian | G1    | 200412 |
| 65  | Black-striped snake                | <i>Coniophanes imperialis</i>         | REPTILE | snake     | G4G5  | 200412 |
| 149 | Blanding's turtle                  | <i>Emydoidea blandingii</i>           | REPTILE | turtle    | G4    | 200412 |
| 144 | Blue-spotted Mexican treefrog      | <i>Smilisca cyanosticta</i>           | REPTILE | amphibian |       | 0      |
| 169 | Blue-spotted salamander            | <i>Ambystoma laterale</i>             | REPTILE | amphibian | G5    | 200507 |
| 107 | Boa constrictor                    | <i>Boa constrictor</i>                | REPTILE | snake     |       | 0      |
| 134 | Broadhead rainfrog                 | <i>Eleutherodactylus laticeps</i>     | REPTILE | frog      |       | 0      |
| 94  | Brown vine snake                   | <i>Oxybelis aeneus</i>                | REPTILE | snake     | G5    | 200412 |
| 153 | Bullfrog                           | <i>Rana catesbeiana</i>               | REPTILE | amphibian | G5    | 200412 |
| 82  | Burrow coqui                       | <i>Eleutherodactylus unicolor</i>     | REPTILE | amphibian |       | 0      |
| 139 | Calico false coral snake           | <i>Oxyrhopus petola</i>               | REPTILE | snake     |       | 0      |
| 173 | California legless lizard          | <i>Anniella pulchra</i>               | REPTILE | lizard    | G3G4  | 200604 |
| 54  | California red-legged frog         | <i>Rana aurora draytonii</i>          | REPTILE | amphibian |       | 0      |
| 53  | California tiger salamander        | <i>Ambystoma californiense</i>        | REPTILE | amphibian | G2G3  | 200412 |
| 55  | California toad                    | <i>Bufo boreas halophilus</i>         | REPTILE | amphibian |       | 0      |
| 177 | Carpenter frog                     | <i>Rana virgatipes</i>                | REPTILE | amphibian | G5    | 200701 |
| 118 | Central American banded gecko      | <i>Coleonyx mitratus</i>              | REPTILE | lizard    |       | 0      |
| 119 | Central American river turtle      | <i>Dermatemys mawii</i>               | REPTILE | turtle    |       | 0      |
| 60  | Central Coast garter snake         |                                       | REPTILE | snake     |       | 0      |
| 133 | Chac's rainfrog                    | <i>Eleutherodactylus chac</i>         | REPTILE | frog      |       | 0      |
| 59  | Coast garter snake                 | <i>Thamnophis elegans terrestris</i>  | REPTILE | snake     |       | 0      |
| 159 | Common garter snake                | <i>Thamnophis sirtalis</i>            | REPTILE | snake     |       | 0      |
| 45  | Common iguana                      | <i>Iguana iguana</i>                  | REPTILE | lizard    | G5    | 200412 |
| 171 | Common map turtle                  | <i>Graptemys geographica</i>          | REPTILE | turtle    | G5    | 200507 |
| 176 | Common snapping turtle             | <i>Chelydra serpentina serpentina</i> | REPTILE | turtle    | G5T5  | 200701 |
| 67  | Cook's anole                       | <i>Anolis cooki</i>                   | REPTILE | lizard    |       | 0      |
| 124 | Coral snake                        | <i>Micrurus</i> sp.                   | REPTILE | snake     |       | 0      |
| 14  | Crawfish frog                      | <i>Rana areolata</i>                  | REPTILE | amphibian | G4    | 200412 |
| 68  | Culebra Island giant anole         | <i>Anolis roosevelti</i>              | REPTILE | lizard    |       | 0      |
| 145 | Degenhardt's scorpion-eating snake | <i>Stenorrhina degenhardtii</i>       | REPTILE | snake     |       | 0      |
| 182 | Delta map turtle                   | <i>Graptemys nigrinoda delticola</i>  | REPTILE | turtle    | G3T2Q | 200704 |
| 103 | Deppe's whiptail                   | <i>Cnemidophorus deppei</i>           | REPTILE | lizard    |       | 0      |

|     |                              |                                   |         |           |      |        |
|-----|------------------------------|-----------------------------------|---------|-----------|------|--------|
| 7   | Diamondback terrapin         | Malaclemys terrapin               | REPTILE | turtle    | G4   | 200412 |
| 170 | Eastern box turtle           | Terrapene carolina carolina       | REPTILE | turtle    | G5T5 | 200507 |
| 24  | Eastern indigo snake         | Drymarchon corais couperi         | REPTILE | snake     |      | 0      |
| 178 | Eastern narrow-mouthed toad  | Gastrophryne carolinensis         | REPTILE | amphibian | G5   | 200701 |
| 109 | Endangered reptile/amphibian |                                   | REPTILE | amphibian |      | 0      |
| 38  | Endangered sea turtle        |                                   | REPTILE | turtle    |      | 0      |
| 167 | Ensatina                     | Ensatina eschscholtzii            | REPTILE | amphibian |      | 0      |
| 130 | Eyelash palm-pitviper        | Bothriechis schlegelli            | REPTILE | snake     |      | 0      |
| 140 | False coral snake            | Urotheca elapoides                | REPTILE | snake     |      | 0      |
| 148 | False terciopelo             | Xenodon rabdocephalus             | REPTILE | snake     |      | 0      |
| 29  | Florida gopher frog          | Rana capito aesopus               | REPTILE | amphibian |      | 0      |
| 30  | Florida pine snake           | Pituophis melanoleucuc mugitus    | REPTILE | snake     |      | 0      |
| 31  | Florida scrub lizard         | Sceloporus woodi                  | REPTILE | lizard    | G3   | 200412 |
| 61  | Foothill yellow-legged frog  | Rana boylii                       | REPTILE | amphibian | G3   | 200412 |
| 126 | Furrowed wood turtle         | Rhinoclemmys areolata             | REPTILE | turtle    |      | 0      |
| 64  | Giant garter snake           | Thamnophis gigas                  | REPTILE | snake     | G2G3 | 200412 |
| 100 | Giant toad                   | Bufo marinus                      | REPTILE | amphibian | G5   | 200412 |
| 72  | Golden coqui                 | Eleutherodactylus jasperi         | REPTILE | amphibian |      | 0      |
| 21  | Gopher tortoise              | Gopherus polyphemus               | REPTILE | turtle    | G3   | 200412 |
| 2   | Green sea turtle             | Chelonia mydas                    | REPTILE | turtle    | G3   | 200412 |
| 138 | Green vine snake             | Oxybelis fulgidus                 | REPTILE | snake     |      | 0      |
| 181 | Green water snake            | Nerodia cyclopion                 | REPTILE | snake     | G5   | 200703 |
| 84  | Ground coqui                 | Eleutherodactylus richmondi       | REPTILE | amphibian |      | 0      |
| 70  | Guajon                       | Eleutherodactylus cooki           | REPTILE | amphibian |      | 0      |
| 143 | Guatemalan neckband snake    | Scaphiodontophis annulatus        | REPTILE | snake     |      | 0      |
| 26  | Gulf crayfish snake          | Regina rigida sinicola            | REPTILE | snake     |      | 0      |
| 12  | Gulf salt marsh snake        | Nerodia clarkii clarkii           | REPTILE | snake     |      | 0      |
| 9   | Hawksbill sea turtle         | Eretmochelys imbricata            | REPTILE | turtle    | G3   | 200412 |
| 179 | Hellbender                   | Cryptobranchus alleganiensis      | REPTILE | amphibian | G3G4 | 200701 |
| 90  | Highland frog                | Rana maculata                     | REPTILE | amphibian |      | 0      |
| 113 | Hog Island boa               | Boa constrictor imperator         | REPTILE | snake     |      | 0      |
| 120 | House gecko                  | Hemidactylus frenatus             | REPTILE | lizard    |      | 0      |
| 98  | Indigo snake                 | Drymarchon corais                 | REPTILE | snake     | G4   | 200412 |
| 88  | Jicotea                      | Trachemys stejnegeri              | REPTILE | turtle    |      | 0      |
| 4   | Kemp's ridley sea turtle     | Lepidochelys kempii               | REPTILE | turtle    | G1   | 200412 |
| 5   | Leatherback sea turtle       | Dermochelys coriacea              | REPTILE | turtle    | G2   | 200412 |
| 52  | Lizard                       |                                   | REPTILE | lizard    |      | 0      |
| 6   | Loggerhead sea turtle        | Caretta caretta                   | REPTILE | turtle    | G3   | 200412 |
| 160 | Long-toed salamander         | Ambystoma macrodactylum           | REPTILE | amphibian |      | 0      |
| 76  | Mabuya                       | Mabouya sloanii                   | REPTILE | lizard    |      | 0      |
| 20  | Mangrove terrapin            | Malaclemys terrapin rhizophororum | REPTILE | turtle    |      | 0      |

|     |                                  |                               |         |           |       |        |
|-----|----------------------------------|-------------------------------|---------|-----------|-------|--------|
| 137 | Maya coral snake                 | Micrurus hippocrepis          | REPTILE | snake     |       | 0      |
| 128 | Mexican giant musk turtle        | Staurotypus triporcatus       | REPTILE | turtle    |       | 0      |
| 136 | Milk snake                       | Lampropeltis triangulum       | REPTILE | snake     | G5    | 200412 |
| 18  | Mississippi diamondback terrapin | Malaclemys terrapin pileata   | REPTILE | turtle    |       | 0      |
| 75  | Mona boa                         | Epicrates monensis monensis   | REPTILE | snake     |       | 0      |
| 80  | Mona coqui                       | Eleutherodactylus monensis    | REPTILE | amphibian |       | 0      |
| 69  | Mona ground iguana               | Cyclura stejnegeri            | REPTILE | lizard    |       | 0      |
| 78  | Monito gecko                     | Sphaerodactylus micropithecus | REPTILE | lizard    |       | 0      |
| 71  | Mottled coqui                    | Eleutherodactylus eneidae     | REPTILE | amphibian |       | 0      |
| 89  | Mourning gecko                   | Lepidodactylus lugubres       | REPTILE | lizard    |       | 0      |
| 27  | Mud salamander                   | Pseudotriton montanus         | REPTILE | amphibian | G5    | 200412 |
| 131 | Mussurana                        | Clelia clelia                 | REPTILE | snake     |       | 0      |
| 117 | Narrowbridge musk turtle         | Claudius angustatus           | REPTILE | turtle    |       | 0      |
| 162 | Northern alligator lizard        | Elgaria coerulea              | REPTILE | lizard    |       | 0      |
| 175 | Northern diamondback terrapin    | Malaclemys terrapin terrapin  | REPTILE | turtle    | G4T4Q | 200701 |
| 168 | Northern leopard frog            | Rana pipiens                  | REPTILE | amphibian | G5    | 200507 |
| 154 | Northern red-legged frog         | Rana aurora aurora            | REPTILE | amphibian |       | 0      |
| 157 | Northwestern garter snake        | Thamnophis ordinoides         | REPTILE | snake     | G5    | 200412 |
| 62  | Northwestern pond turtle         | Clemmys marmorata marmorata   | REPTILE | turtle    |       | 0      |
| 161 | Northwestern salamander          | Ambystoma gracile             | REPTILE | amphibian |       | 0      |
| 47  | Olive ridley sea turtle          | Lepidochelys olivacea         | REPTILE | turtle    | G3    | 200412 |
| 163 | Olympic torrent salamander       | Rhyacotriton olympicus        | REPTILE | amphibian |       | 0      |
| 51  | Pacific Coast giant musk turtle  | Staurotypus salvinni          | REPTILE | turtle    |       | 0      |
| 8   | Pacific green sea turtle         | Chelonia mydas agassizi       | REPTILE | turtle    |       | 0      |
| 10  | Pacific hawksbill sea turtle     | Eretmochelys imbricata bissa  | REPTILE | turtle    |       | 0      |
| 158 | Pacific rubber boa               | Charina bottae bottae         | REPTILE | snake     |       | 0      |
| 56  | Pacific treefrog                 | Hyla regilla                  | REPTILE | amphibian |       | 0      |
| 172 | Painted turtle                   | Chrysemys picta               | REPTILE | turtle    | G5    | 200601 |
| 49  | Painted wood turtle              | Rhinoclemmys pulcherrima      | REPTILE | turtle    |       | 0      |
| 15  | Pig frog                         | Rana grylio                   | REPTILE | amphibian | G5    | 200412 |
| 74  | Puerto Rican boa                 | Epicrates inornatus           | REPTILE | snake     |       | 0      |
| 77  | Puerto Rican crested toad        | Peltophryne lemur             | REPTILE | amphibian |       | 0      |
| 141 | Puffing snake                    | Pseustes poecilonotus         | REPTILE | snake     |       | 0      |
| 81  | Pygmy anole                      | Anolis occultus               | REPTILE | lizard    |       | 0      |
| 25  | Rainbow snake                    | Farancia erythrogramma        | REPTILE | snake     | G5    | 200412 |
| 112 | Rare amphibian                   |                               | REPTILE | amphibian |       | 0      |
| 33  | Rare frog                        |                               | REPTILE | amphibian |       | 0      |
| 34  | Rare lizard                      |                               | REPTILE | lizard    |       | 0      |
| 183 | Rare reptile                     |                               | REPTILE | turtle    |       | 0      |
| 108 | Rare reptile/amphibian           |                               | REPTILE | amphibian |       | 0      |
| 36  | Rare salamander                  |                               | REPTILE | amphibian |       | 0      |

|     |                                 |  |         |           |      |        |
|-----|---------------------------------|--|---------|-----------|------|--------|
| 37  | Rare snake                      |  | REPTILE | snake     |      | 0      |
| 111 | Rare terrestrial/aquatic turtle |  | REPTILE | turtle    |      | 0      |
| 122 | Red cheek mud turtle            | <i>Kinosternon cruentatum</i>          | REPTILE | turtle    |      | 0      |
| 28  | Red salamander                  | <i>Pseudotriton ruber</i>              | REPTILE | amphibian | G5   | 200412 |
| 93  | Roadguard                       | <i>Conophis lineatus</i>               | REPTILE | snake     |      | 0      |
| 116 | Roatan Island coral snake       | <i>Micrurus ruatanus</i>               | REPTILE | snake     |      | 0      |
| 155 | Rough-skinned newt              | <i>Taricha granulosa</i>               | REPTILE | amphibian | G5   | 200412 |
| 135 | Rugulose rainfrog               | <i>Eleutherodactylus rugulosus</i>     | REPTILE | frog      |      | 0      |
| 129 | Rustyhead snake                 | <i>Amastridium veliferum</i>           | REPTILE | snake     |      | 0      |
| 57  | San Francisco garter snake      | <i>Thamnophis sirtalis tetrataenia</i> | REPTILE | snake     |      | 0      |
| 174 | Santa Cruz long-toed salamander | <i>Ambystoma macrodactylum croceum</i> | REPTILE | amphibian | G5T1 | 200603 |
| 48  | Scorpion mud turtle             | <i>Kinosternon scorpioides</i>         | REPTILE | turtle    |      | 0      |
| 46  | Sea snake                       | <i>Pelamis platurus</i>                | REPTILE | snake     | G5   | 200412 |
| 87  | Sea turtle spp.                 | Cheloniidae spp.                       | REPTILE | turtle    |      | 0      |
| 42  | Sheep frog                      | <i>Hypopachus variolosus</i>           | REPTILE | amphibian | G5   | 200412 |
| 147 | Slender snail sucker            | <i>Sibon dimdiata</i>                  | REPTILE | snake     |      | 0      |
| 50  | Slider                          | <i>Trachemys scripta</i>               | REPTILE | turtle    | G5   | 200412 |
| 132 | Smoothhead helmeted basilisk    | <i>Corytophanes cristatus</i>          | REPTILE | snake     |      | 0      |
| 114 | Snapping turtle                 | <i>Chelydra serpentina</i>             | REPTILE | turtle    | G5   | 200412 |
| 66  | Speckled racer                  | <i>Drymobius margaritiferus</i>        | REPTILE | snake     | G5   | 200412 |
| 43  | Spectacled caiman               | <i>Caiman crocodilus</i>               | REPTILE | alligator |      | 0      |
| 115 | Spiny-tailed iguana             | <i>Ctenosaura bakeri</i>               | REPTILE | lizard    |      | 0      |
| 32  | Spotted turtle                  | <i>Clemmys guttata</i>                 | REPTILE | turtle    | G5   | 200412 |
| 85  | St. Croix ground lizard         | <i>Ameiva polops</i>                   | REPTILE | lizard    |      | 0      |
| 99  | Striped basilisk                | <i>Basiliscus vittatus</i>             | REPTILE | lizard    |      | 0      |
| 146 | Sumichrast's skink              | <i>Eumeces sumichrasti</i>             | REPTILE | lizard    |      | 0      |
| 121 | Tabasco mud turtle              | <i>Kinosternon acutum</i>              | REPTILE | turtle    |      | 0      |
| 16  | Texas diamondback terrapin      | <i>Malaclemys terrapin littoralis</i>  | REPTILE | turtle    |      | 0      |
| 17  | Texas garter snake              | <i>Thamnophis sirtalis annectens</i>   | REPTILE | snake     |      | 0      |
| 40  | Texas scarlet snake             | <i>Cemophora coccinea lineri</i>       | REPTILE | snake     |      | 0      |
| 35  | Threatened aquatic turtle       |  | REPTILE | turtle    |      | 0      |
| 39  | Threatened sea turtle           |  | REPTILE | turtle    |      | 0      |
| 127 | Tiger tree snake                | <i>Spilotes pullatus</i>               | REPTILE | snake     |      | 0      |
| 97  | Tungara frog                    | <i>Physalaemus pustulosus</i>          | REPTILE | amphibian |      | 0      |
| 13  | Turtles                         |  | REPTILE | turtle    |      | 0      |
| 79  | Virgin Islands tree boa         | <i>Epicrates monensis granti</i>       | REPTILE | snake     |      | 0      |
| 83  | Warty coqui                     | <i>Eleutherodactylus locustus</i>      | REPTILE | amphibian |      | 0      |
| 73  | Web-footed coqui                | <i>Eleutherodactylus karlschmidti</i>  | REPTILE | amphibian |      | 0      |
| 164 | Western fence lizard            | <i>Sceloporus occidentalis</i>         | REPTILE | lizard    |      | 0      |
| 125 | Western hog-nosed pit viper     | <i>Porthidium ophryomegas</i>          | REPTILE | snake     |      | 0      |
| 151 | Western painted turtle          | <i>Chrysemys picta bellii</i>          | REPTILE | turtle    |      | 0      |

|      |                                  |  |          |           |      |        |
|------|----------------------------------|--|----------|-----------|------|--------|
| 58   | Western pond turtle              | <i>Clemmys marmorata</i>               | REPTILE  | turtle    | G3G4 | 200412 |
| 166  | Western red-backed salamander    | <i>Plethodon vehiculum</i>             | REPTILE  | amphibian |      | 0      |
| 165  | Western terrestrial garter snake | <i>Thamnophis elegans</i>              | REPTILE  | snake     |      | 0      |
| 156  | Western toad                     | <i>Bufo boreas</i>                     | REPTILE  | amphibian | G4   | 200412 |
| 123  | White-lipped mud turtle          | <i>Kinosternon leucostemum</i>         | REPTILE  | turtle    |      | 0      |
| 150  | Wood turtle                      | <i>Glyptemys insculpta</i>             | REPTILE  | turtle    |      | 0      |
| 22   | Yellow-blotched map turtle       | <i>Graptemys flavimaculata</i>         | REPTILE  | turtle    | G2   | 200412 |
| 102  | Yucatan Cantil                   | <i>Agkistrodon bilineatus</i>          | REPTILE  | snake     |      | 0      |
| 19   |                                  | <i>Balantiopteryx plicata</i>          | T_MAMMAL | bat       |      | 0      |
| 114  | Agouti                           | <i>Agouti paca</i>                     | T_MAMMAL | sm_mammal |      | 0      |
| 116  | Agouti                           | <i>Dasyprocta punctata</i>             | T_MAMMAL | sm_mammal |      | 0      |
| 89   | Alabama beach mouse              | <i>Peromyscus polionotus ammobates</i> | T_MAMMAL | sm_mammal |      | 0      |
| 259  | Allegheny woodrat                | <i>Neotoma magister</i>                | T_MAMMAL | sm_mammal | G3G4 | 200507 |
| 119  | American bison                   | <i>Bos bison</i>                       | T_MAMMAL | ungulate  | G4   | 200412 |
| 126  | American marten                  | <i>Martes americana</i>                | T_MAMMAL | sm_mammal | G5   | 200412 |
| 68   | Anastasia Island beach mouse     | <i>Peromyscus polionotus phasma</i>    | T_MAMMAL | sm_mammal |      | 0      |
| 46   | Arboreal spiny rats              | <i>Echimys sp.</i>                     | T_MAMMAL | sm_mammal |      | 0      |
| 123  | Arctic fox                       | <i>Alopex lagopus</i>                  | T_MAMMAL | canine    | G5   | 200412 |
| 201  | Baird's tapir                    | <i>Tapirus bairdii</i>                 | T_MAMMAL | ungulate  |      | 0      |
| 1001 | Bats                             |  | T_MAMMAL | bat       |      | 0      |
| 36   | Beaver                           | <i>Castor canadensis</i>               | T_MAMMAL | sm_mammal | G5   | 200412 |
| 74   | Big Cypress fox squirrel         | <i>Sciurus niger avicennia</i>         | T_MAMMAL | sm_mammal |      | 0      |
| 56   | Black bear                       | <i>Ursus americanus</i>                | T_MAMMAL | bear      | G5   | 200412 |
| 134  | Black-footed brown lemming       | <i>Lemmus sibiricus</i>                | T_MAMMAL | sm_mammal |      | 0      |
| 33   | Black-tailed deer                | <i>Odocoileus hemionus columbianus</i> | T_MAMMAL | ungulate  |      | 0      |
| 62   | Bobcat                           | <i>Lynx rufus</i>                      | T_MAMMAL | feline    | G5   | 200412 |
| 55   | Brown bear                       | <i>Ursus arctos</i>                    | T_MAMMAL | bear      | G4   | 200412 |
| 169  | Brown long-tongued bat           | <i>Glossophaga commissarisi</i>        | T_MAMMAL | bat       |      | 0      |
| 11   | Bush dog                         | <i>Speothos venaticus</i>              | T_MAMMAL | canine    |      | 0      |
| 252  | Bushy-tailed woodrat             | <i>Neotoma cinerea</i>                 | T_MAMMAL | sm_mammal |      | 0      |
| 1    | California vole                  | <i>Microtus californicus</i>           | T_MAMMAL | sm_mammal | G5   | 200412 |
| 26   | Capybara                         | <i>Hydrochaeris hydrochaeris</i>       | T_MAMMAL | sm_mammal |      | 0      |
| 118  | Caribou                          | <i>Rangifer tarandus</i>               | T_MAMMAL | ungulate  | G5   | 200412 |
| 135  | Cave bat                         | <i>Brachyphylla cavernarum</i>         | T_MAMMAL | bat       |      | 0      |
| 28   | Central American woolly opossum  | <i>Didelphys derbiana</i>              | T_MAMMAL | sm_mammal |      | 0      |
| 199  | Chestnut short-tailed bat        | <i>Carollia castanea</i>               | T_MAMMAL | bat       |      | 0      |
| 69   | Choctawhatchee beach mouse       | <i>Peromyscus polionotus allophrys</i> | T_MAMMAL | sm_mammal |      | 0      |
| 253  | Coast mole                       | <i>Scapanus orarius</i>                | T_MAMMAL | sm_mammal |      | 0      |
| 14   | Collared peccary                 | <i>Tayassu tajacu</i>                  | T_MAMMAL | ungulate  |      | 0      |
| 30   | Columbian white-tailed deer      | <i>Odocoileus virginianus leucurus</i> | T_MAMMAL | ungulate  |      | 0      |
| 64   | Common gray fox                  | <i>Urocyon cinereoargenteus</i>        | T_MAMMAL | canine    | G5   | 200412 |

|     |                                 |                                       |          |           |    |        |
|-----|---------------------------------|---------------------------------------|----------|-----------|----|--------|
| 170 | Common long-tongued bat         | Glossophaga soricina                  | T_MAMMAL | bat       |    | 0      |
| 186 | Common mustached bat            | Pteronotus parnellii                  | T_MAMMAL | bat       |    | 0      |
| 44  | Common raccoon                  | Procyon lotor                         | T_MAMMAL | sm_mammal | G5 | 200412 |
| 172 | Common sword-nosed bat          | Lonchorhina aurita                    | T_MAMMAL | bat       |    | 0      |
| 23  | Common vampire bat              | Desmodus rotundus                     | T_MAMMAL | bat       |    | 0      |
| 16  | Cottontail rabbit               | Sylvilagus floridanus                 | T_MAMMAL | sm_mammal | G5 | 200412 |
| 63  | Coyote                          | Canis latrans                         | T_MAMMAL | canine    | G5 | 200412 |
| 27  | Crab-eating raccoon             | Procyon cancrivorus                   | T_MAMMAL | sm_mammal |    | 0      |
| 232 | Creeping vole                   | Microtus oregoni                      | T_MAMMAL | sm_mammal | G5 | 200412 |
| 122 | Dall's sheep                    | Ovis dalli                            | T_MAMMAL | ungulate  | G5 | 200412 |
| 193 | Davis' round-eared bat          | Tonatia evotis                        | T_MAMMAL | bat       |    | 0      |
| 185 | Davy's naked-backed bat         | Pteronotus davyi                      | T_MAMMAL | bat       |    | 0      |
| 237 | Deer mouse                      | Peromyscus maniculatus                | T_MAMMAL | sm_mammal | G5 | 200412 |
| 21  | Deppe's squirrel                | Sciurus deppei                        | T_MAMMAL | sm_mammal |    | 0      |
| 101 | Dismal swamp southeastern shrew | Sorex longirostris fisheri            | T_MAMMAL | sm_mammal |    | 0      |
| 233 | Douglas' squirrel               | Tamiasciurus douglasii                | T_MAMMAL | sm_mammal | G5 | 200412 |
| 260 | Eastern small-footed myotis     | Myotis leibii                         | T_MAMMAL | bat       | G3 | 200507 |
| 34  | Elk                             | Cervus elaphus                        | T_MAMMAL | ungulate  |    | 0      |
| 136 | Endangered small mammal         |                                       | T_MAMMAL | sm_mammal |    | 0      |
| 79  | Everglades mink                 | Mustela vison evergladensis           | T_MAMMAL | sm_mammal |    | 0      |
| 10  | Fisherman bat                   | Noctilio leporinus                    | T_MAMMAL | bat       |    | 0      |
| 103 | Florida black bear              | Ursus americanus floridanus           | T_MAMMAL | bear      |    | 0      |
| 25  | Florida key deer                | Odocoileus virginianus clavium        | T_MAMMAL | ungulate  |    | 0      |
| 104 | Florida long-tailed weasel      | Mustela frenata peninsulæ             | T_MAMMAL | sm_mammal |    | 0      |
| 204 | Florida mouse                   | Podomys floridanus                    | T_MAMMAL | sm_mammal | G3 | 200412 |
| 70  | Florida panther                 | Felis concolor coryi                  | T_MAMMAL | bear      |    | 0      |
| 76  | Florida saltmarsh vole          | Microtus pennsylvanicus dukecampbelli | T_MAMMAL | sm_mammal |    | 0      |
| 194 | Fringe-lipped bat               | Trachops cirrhosus                    | T_MAMMAL | bat       |    | 0      |
| 152 | Geoffroy's hairy-legged bat     | Anoura geoffroyi                      | T_MAMMAL | bat       |    | 0      |
| 181 | Gray four-eyed opossum          | Philander opossum                     | T_MAMMAL | sm_mammal |    | 0      |
| 54  | Gray wolf                       | Canis lupus                           | T_MAMMAL | canine    | G4 | 200412 |
| 198 | Great false vampire bat         | Vampyrum spectrum                     | T_MAMMAL | bat       |    | 0      |
| 154 | Great fruit-eating bat          | Artibeus lituratus                    | T_MAMMAL | bat       |    | 0      |
| 196 | Great stripe-faced bat          | Vampyroides caraccioli                | T_MAMMAL | bat       |    | 0      |
| 168 | Greater grison                  | Galictis vittata                      | T_MAMMAL | sm_mammal |    | 0      |
| 197 | Greater spear-nosed bat         | Phyllostomus hastatus                 | T_MAMMAL | bat       |    | 0      |
| 188 | Greater white-lined bat         | Saccopteryx bilineata                 | T_MAMMAL | bat       |    | 0      |
| 129 | Ground squirrel                 | Spermophilus sp.                      | T_MAMMAL | sm_mammal |    | 0      |
| 162 | Hairy big-eyed bat              | Chiroderma villosum                   | T_MAMMAL | bat       |    | 0      |
| 166 | Hairy-legged vampire bat        | Diphylla ecaudata                     | T_MAMMAL | bat       |    | 0      |
| 130 | Hare                            | Lepus sp.                             | T_MAMMAL | sm_mammal |    | 0      |

|      |                               |   |          |           |    |        |
|------|-------------------------------|---|----------|-----------|----|--------|
| 142  | Hawaiian hoary bat            | <i>Lasiurus cinereus semotus</i>          | T_MAMMAL | bat       |    | 0      |
| 183  | Heller's broad-nosed bat      | <i>Platyrrhinus helleri</i>               | T_MAMMAL | bat       |    | 0      |
| 251  | Hoary bat                     | <i>Lasiurus cinereus</i>                  | T_MAMMAL | bat       |    | 0      |
| 143  | Hoffman's sloth               | <i>Choloepus hoffmanni</i>                | T_MAMMAL | sm_mammal |    | 0      |
| 17   | Hooded skunk                  | <i>Mephitis macroura</i>                  | T_MAMMAL | sm_mammal | G5 | 200412 |
| 250  | House mouse                   | <i>Mus musculus</i>                       | T_MAMMAL | sm_mammal |    | 0      |
| 249  | House rat                     | <i>Rattus rattus</i>                      | T_MAMMAL | sm_mammal |    | 0      |
| 151  | Howler monkey                 | <i>Alouatta sp.</i>                       | T_MAMMAL | sm_mammal |    | 0      |
| 202  | Insular flying fox            | <i>Pteropus tonganus</i>                  | T_MAMMAL | bat       |    | 0      |
| 153  | Intermediate fruit-eating bat | <i>Artibeus intermedius</i>               | T_MAMMAL | bat       |    | 0      |
| 13   | Jaguar                        | <i>Panthera onca</i>                      | T_MAMMAL | sm_mammal | G3 | 200412 |
| 108  | Jaguarundi                    | <i>Herpailurus yaguarondi</i>             | T_MAMMAL | feline    | G4 | 200412 |
| 138  | Jamaican fruit-eating bat     | <i>Artibeus jamaicensis</i>               | T_MAMMAL | bat       |    | 0      |
| 71   | Key Largo cotton mouse        | <i>Peromyscus gossypinus allapaticola</i> | T_MAMMAL | sm_mammal |    | 0      |
| 72   | Key Largo woodrat             | <i>Neotoma floridana smalli</i>           | T_MAMMAL | sm_mammal |    | 0      |
| 184  | Kinkajou                      | <i>Potos flavus</i>                       | T_MAMMAL | sm_mammal |    | 0      |
| 158  | Least sac-winged bat          | <i>Balantiopteryx io</i>                  | T_MAMMAL | bat       |    | 0      |
| 128  | Lemming                       | <i>Dicrostonyx sp.</i>                    | T_MAMMAL | sm_mammal |    | 0      |
| 45   | Lemurine night monkey         | <i>Aotus lemurinus</i>                    | T_MAMMAL | sm_mammal |    | 0      |
| 131  | Lesser bulldog bat            | <i>Noctilio albiventris</i>               | T_MAMMAL | bat       |    | 0      |
| 180  | Lesser doglike bat            | <i>Peropteryx macrotis</i>                | T_MAMMAL | bat       |    | 0      |
| 18   | Lesser white-lined bat        | <i>Saccopteryx leptura</i>                | T_MAMMAL | bat       |    | 0      |
| 176  | Little big-eared bat          | <i>Micronycteris megalotis</i>            | T_MAMMAL | bat       |    | 0      |
| 241  | Little brown bat              | <i>Myotis lucifugus</i>                   | T_MAMMAL | bat       |    | 0      |
| 195  | Little yellow-eared bat       | <i>Vampyressa pusilla</i>                 | T_MAMMAL | bat       |    | 0      |
| 190  | Little yellow-shouldered bat  | <i>Stunira lilum</i>                      | T_MAMMAL | bat       |    | 0      |
| 254  | Long-eared myotis             | <i>Myotis evotis</i>                      | T_MAMMAL | bat       |    | 0      |
| 40   | Long-tailed weasel            | <i>Mustela frenata</i>                    | T_MAMMAL | sm_mammal | G5 | 200412 |
| 102  | Louisiana black bear          | <i>Ursus americanus luteolus</i>          | T_MAMMAL | bear      |    | 0      |
| 73   | Lower Keys marsh rabbit       | <i>Sylvilagus palustris hefneri</i>       | T_MAMMAL | sm_mammal |    | 0      |
| 124  | Lynx                          | <i>Lynx lynx</i>                          | T_MAMMAL | feline    |    | 0      |
| 150  | Mantled howler monkey         | <i>Alouatta palliata</i>                  | T_MAMMAL | sm_mammal |    | 0      |
| 109  | Margay                        | <i>Felis wiedii</i>                       | T_MAMMAL | feline    |    | 0      |
| 231  | Mariana sheath-tailed bat     | <i>Emballonura semicaudata</i>            | T_MAMMAL | bat       |    | 0      |
| 236  | Marsh shrew                   | <i>Sorex bendirii</i>                     | T_MAMMAL | sm_mammal | G4 | 200412 |
| 58   | Meadow vole                   | <i>Microtus pennsylvanicus</i>            | T_MAMMAL | sm_mammal | G5 | 200412 |
| 115  | Mexican hairy porcupine       | <i>Sphiggurus mexicanus</i>               | T_MAMMAL | sm_mammal |    | 0      |
| 165  | Mexican porcupine             | <i>Coendou mexicanus</i>                  | T_MAMMAL | sm_mammal |    | 0      |
| 38   | Mink                          | <i>Mustela vison</i>                      | T_MAMMAL | sm_mammal | G5 | 200412 |
| 1003 | Monkeys                       |   | T_MAMMAL | sm_mammal |    | 0      |
| 117  | Moose                         | <i>Alces alces</i>                        | T_MAMMAL | ungulate  | G5 | 200412 |

|     |                           |                                     |          |           |         |        |
|-----|---------------------------|-------------------------------------|----------|-----------|---------|--------|
| 59  | Morro Bay kangaroo rat    | Dipodomys heermanni morroensis      | T_MAMMAL | sm_mammal |         | 0      |
| 239 | Mountain beaver           | Aplodontia rufa                     | T_MAMMAL | sm_mammal | G5      | 200412 |
| 120 | Mountain goat             | Oreamnos americanus                 | T_MAMMAL | ungulate  | G5      | 200412 |
| 65  | Mountain lion             | Puma concolor                       | T_MAMMAL | feline    | G5      | 200412 |
| 32  | Mule deer                 | Odocoileus hemionus                 | T_MAMMAL | ungulate  | G5      | 200412 |
| 121 | Muskox                    | Ovibos moschatus                    | T_MAMMAL | ungulate  | G4      | 200412 |
| 37  | Muskrat                   | Ondatra zibethicus                  | T_MAMMAL | sm_mammal | G5      | 200412 |
| 173 | Neotropical river otter   | Lontra longicaudis                  | T_MAMMAL | sm_mammal |         | 0      |
| 111 | Nine-banded armadillo     | Dasybus novemcinctus                | T_MAMMAL | sm_mammal | G5      | 200412 |
| 256 | North American porcupine  | Erethizon dorsatum                  | T_MAMMAL | sm_mammal |         | 0      |
| 234 | Northern flying squirrel  | Glaucomys sabrinus                  | T_MAMMAL | sm_mammal | G5      | 200412 |
| 8   | Northern river otter      | Lontra canadensis                   | T_MAMMAL | sm_mammal |         | 0      |
| 255 | Norway rat                | Rattus norvegicus                   | T_MAMMAL | sm_mammal |         | 0      |
| 43  | Nutria                    | Myocastor coypus                    | T_MAMMAL | sm_mammal |         | 0      |
| 66  | Ocelot                    | Leopardus pardalis                  | T_MAMMAL | feline    | G4      | 200412 |
| 15  | Opossum                   | Didelphis marsupialis               | T_MAMMAL | sm_mammal |         | 0      |
| 24  | Opossum                   | Didelphis virginiana                | T_MAMMAL | sm_mammal | G5      | 200412 |
| 146 | Opossum                   | Chironectes argyrodites             | T_MAMMAL | sm_mammal |         | 0      |
| 175 | Oranged-throated bat      | Micronycteris brachyotis            | T_MAMMAL | bat       |         | 0      |
| 4   | Ornate shrew              | Sorex ornatus                       | T_MAMMAL | sm_mammal | G5      | 200412 |
| 258 | Pacific jumping mouse     | Zapus trinotatus                    | T_MAMMAL | sm_mammal | G5      | 200509 |
| 182 | Pale-faced bat            | Phylloderma stenops                 | T_MAMMAL | bat       |         | 0      |
| 6   | Pallid bat                | Antrozous pallidus                  | T_MAMMAL | bat       | G5      | 200412 |
| 75  | Perdido Key beach mouse   | Peromyscus polionotus trissyllepsis | T_MAMMAL | sm_mammal |         | 0      |
| 261 | Point Reyes jumping mouse | Zapus trinotatus orarius            | T_MAMMAL | sm_mammal | G5T1T3Q | 200509 |
| 133 | Pribilof Island shrew     | Sorex hydrodromus                   | T_MAMMAL | sm_mammal |         | 0      |
| 155 | Pygmy fruit-eating bat    | Artibeus phaeotis                   | T_MAMMAL | bat       |         | 0      |
| 192 | Pygmy round-eared bat     | Tonatia brasiliense                 | T_MAMMAL | bat       |         | 0      |
| 191 | Rabbit                    | Sylvilagus sp.                      | T_MAMMAL | sm_mammal |         | 0      |
| 139 | Rare bat                  |                                     | T_MAMMAL | bat       |         | 0      |
| 106 | Rare rodent               |                                     | T_MAMMAL | sm_mammal |         | 0      |
| 140 | Rare small mammal         |                                     | T_MAMMAL | sm_mammal |         | 0      |
| 174 | Red brocket               | Mazama americana                    | T_MAMMAL | ungulate  |         | 0      |
| 57  | Red fox                   | Vulpes vulpes                       | T_MAMMAL | canine    | G5      | 200412 |
| 9   | Red fruit bat             | Stenoderma rufum                    | T_MAMMAL | bat       |         | 0      |
| 67  | Red wolf                  | Canis rufus                         | T_MAMMAL | canine    | G1      | 200412 |
| 132 | Reindeer                  | Rangifer sp.                        | T_MAMMAL | ungulate  |         | 0      |
| 148 | Roatan Island agouti      | Dasyprocta ruatanica                | T_MAMMAL | sm_mammal |         | 0      |
| 144 | Robinson's mouse opossum  | Marmosa robinsoni ruatanica         | T_MAMMAL | sm_mammal |         | 0      |
| 35  | Roosevelt elk             | Cervus elaphus roosevelti           | T_MAMMAL | ungulate  |         | 0      |
| 29  | Rothschild's porcupine    | Coendou rothschildi                 | T_MAMMAL | sm_mammal |         | 0      |



|      |                                  |                                       |          |           |      |        |
|------|----------------------------------|---------------------------------------|----------|-----------|------|--------|
| 105  | Round-tailed muskrat             | Neofiber alleni                       | T_MAMMAL | sm_mammal | G3   | 200412 |
| 179  | Rusty rice rat                   | Oryzomys rostratus                    | T_MAMMAL | sm_mammal |      | 0      |
| 41   | Salt-marsh harvest mouse         | Reithrodontomys raviventris           | T_MAMMAL | sm_mammal | G1G2 | 200412 |
| 2    | Saltmarsh wandering shrew        | Sorex vagrans halicoetes              | T_MAMMAL | sm_mammal |      | 0      |
| 7    | San Pablo vole                   | Microtus californicus sanpabloensis   | T_MAMMAL | sm_mammal |      | 0      |
| 12   | Sanibel Island rice rat          | Oryzomys palustris sanibeli           | T_MAMMAL | sm_mammal |      | 0      |
| 42   | Santa Cruz harvest mouse         | Reithrodontomys megalotis santacruzae | T_MAMMAL | sm_mammal |      | 0      |
| 205  | Santa Rosa beach mouse           | Peromyscus polionotus leucocephalus   | T_MAMMAL | sm_mammal |      | 0      |
| 177  | Schmidt's big-eared bat          | Micronycteris schmidtorum             | T_MAMMAL | bat       |      | 0      |
| 160  | Seba's short-tailed bat          | Carollia perspicillata                | T_MAMMAL | bat       |      | 0      |
| 230  | Sherman's fox squirrel           | Sciurus niger shermani                | T_MAMMAL | sm_mammal |      | 0      |
| 39   | Shorttail weasel                 | Mustela erminea                       | T_MAMMAL | sm_mammal | G5   | 200412 |
| 257  | Shrew-mole                       | Neurotrichus gibbsii                  | T_MAMMAL | sm_mammal |      | 0      |
| 147  | Silky anteater                   | Cyclopes didactylus                   | T_MAMMAL | sm_mammal |      | 0      |
| 159  | Silky short-tailed bat           | Carollia brevicauda                   | T_MAMMAL | bat       |      | 0      |
| 77   | Silver rice rat                  | Oryzomys argentatus                   | T_MAMMAL | sm_mammal |      | 0      |
| 248  | Silver-haired bat                | Lasionycteris noctivagans             | T_MAMMAL | bat       |      | 0      |
| 125  | Sitka black-tailed deer          | Odocoileus hemionus sitkensis         | T_MAMMAL | ungulate  |      | 0      |
| 187  | Slender harvest mouse            | Reithrodontomys gracilis              | T_MAMMAL | sm_mammal |      | 0      |
| 1002 | Small mammal                     |                                       | T_MAMMAL | sm_mammal |      | 0      |
| 245  | Snowshoe hare                    | Lepus americanus                      | T_MAMMAL | sm_mammal |      | 0      |
| 78   | Southeastern beach mouse         | Peromyscus polionotus niveiventris    | T_MAMMAL | sm_mammal |      | 0      |
| 149  | Southern anteater                | Tamandua tetradactyla                 | T_MAMMAL | sm_mammal |      | 0      |
| 238  | Southern red-backed vole         | Clethrionomys gapperi                 | T_MAMMAL | sm_mammal | G5   | 200412 |
| 110  | Spider monkey                    | Ateles geoffroyi                      | T_MAMMAL | sm_mammal |      | 0      |
| 189  | Spotted skunk                    | Spilogale putorius                    | T_MAMMAL | sm_mammal | G5   | 200412 |
| 80   | St. Andrews beach mouse          | Peromyscus polionotus peninsularis    | T_MAMMAL | sm_mammal |      | 0      |
| 52   | Striped skunk                    | Mephitis mephitis                     | T_MAMMAL | sm_mammal | G5   | 200412 |
| 3    | Suisun ornate shrew              | Sorex ornatus sinuosus                | T_MAMMAL | sm_mammal |      | 0      |
| 113  | Tamandua                         | Tamandua mexicana                     | T_MAMMAL | sm_mammal |      | 0      |
| 167  | Tayra                            | Eira barbara                          | T_MAMMAL | sm_mammal |      | 0      |
| 137  | Tent-making bat                  | Uroderma bilobatum                    | T_MAMMAL | bat       |      | 0      |
| 157  | Thomas' fruit-eating bat         | Artibeus watsoni                      | T_MAMMAL | bat       |      | 0      |
| 141  | Threatened bear                  |                                       | T_MAMMAL | bear      |      | 0      |
| 107  | Threatened rodent                |                                       | T_MAMMAL | sm_mammal |      | 0      |
| 22   | Three-toed sloth                 | Bradypus variegatus                   | T_MAMMAL | sm_mammal |      | 0      |
| 156  | Toltec fruit-eating bat          | Artibeus toltecus                     | T_MAMMAL | bat       |      | 0      |
| 235  | Townsend's chipmunk              | Tamias townsendii                     | T_MAMMAL | sm_mammal | G5   | 200412 |
| 242  | Townsend's mole                  | Scapanus townsendii                   | T_MAMMAL | sm_mammal |      | 0      |
| 240  | Townsend's vole                  | Microtus townsendii                   | T_MAMMAL | sm_mammal | G5   | 200412 |
| 5    | Townsend's Western big-eared bat | Plecotus townsendii townsendii        | T_MAMMAL | bat       |      | 0      |

|     |                              |                                |          |           |    |        |
|-----|------------------------------|--------------------------------|----------|-----------|----|--------|
| 246 | Trowbridge's shrew           | <i>Sorex trowbridgii</i>       | T_MAMMAL | sm_mammal |    | 0      |
| 171 | Underwood's long-tongued bat | <i>Hylonycteris underwoodi</i> | T_MAMMAL | bat       |    | 0      |
| 247 | Vagrant shrew                | <i>Sorex vagrans</i>           | T_MAMMAL | sm_mammal |    | 0      |
| 200 | Van Gelder's bat             | <i>Bauerus dubiaquercus</i>    | T_MAMMAL | bat       |    | 0      |
| 20  | Variegated squirrel          | <i>Sciurus variegatoides</i>   | T_MAMMAL | sm_mammal |    | 0      |
| 178 | Vesper rat                   | <i>Nyctomys sumichrasti</i>    | T_MAMMAL | sm_mammal |    | 0      |
| 163 | Water opossum                | <i>Chironectes minimus</i>     | T_MAMMAL | sm_mammal |    | 0      |
| 243 | Western gray squirrel        | <i>Sciurus griseus</i>         | T_MAMMAL | sm_mammal |    | 0      |
| 145 | White-faced capuchin         | <i>Cebus capucinus</i>         | T_MAMMAL | sm_mammal |    | 0      |
| 112 | White-nosed coati            | <i>Nasua narica</i>            | T_MAMMAL | sm_mammal | G5 | 200412 |
| 31  | White-tailed deer            | <i>Odocoileus virginianus</i>  | T_MAMMAL | ungulate  | G5 | 200412 |
| 100 | Wild hog                     | <i>Sus scrofa</i>              | T_MAMMAL | ungulate  |    | 0      |
| 127 | Wolverine                    | <i>Gulo gulo</i>               | T_MAMMAL | sm_mammal | G4 | 200412 |
| 164 | Wooly false vampire bat      | <i>Chrotopterus auritus</i>    | T_MAMMAL | bat       |    | 0      |
| 161 | Wrinkle-faced bat            | <i>Centurio senex</i>          | T_MAMMAL | bat       |    | 0      |
| 244 | Yuma myotis                  | <i>Myotis yumanensis</i>       | T_MAMMAL | bat       |    | 0      |