

Appendix A

In this appendix, we review a subset of EPA’s species list for atrazine, including species removed from the consultation, “no effect” determinations, and “not likely to adversely affect” determinations. For some listed and proposed species and designated and proposed critical habitats below, we concur with EPA’s “not likely to adversely affect” analyses and determinations included in their Biological Evaluation (USEPA, 2021).

SPECIES AND CRITICAL HABITATS REMOVED FROM THE CONSULTATION, CONFERENCE, AND CONCURRENCE

We removed species entities outside of U.S. Fish and Wildlife jurisdiction, specifically those under the purview and opinion of the National Marine Fisheries Service. We did not include species under National Marine Fisheries Service’s jurisdiction in the species entity counts below.

EPA reached a “likely to adversely affect” determination for the eastern DPS of the gopher tortoise (formerly, a candidate species, entity ID 3532), but it was “not warranted for listing” in 2022 (USFWS, 2022). EPA also reached “likely to adversely affect” determinations for proposed or designated critical habitats for the gray wolf (44-State entity; entity ID 11), Santa Catalina Island fox (entity ID 1237), Karner blue butterfly (entity ID 420), Kern primrose sphinx moth (entity ID 433), Bartram’s stonecrop (entity ID 5797), shrubby reed mustard (entity ID 607), and Spalding’s catchfly (entity ID 613), and “not likely to adversely affect” determinations for proposed critical habitats for the Cahaba shiner (Entity ID 277), Chihuahua chub (Entity ID 254), goldline darter (Entity ID 298), Grotto sculpin (entity ID 4248), and pygmy sculpin (Entity ID 241), but these critical habitats were not designated for various reasons (e.g., they were withdrawn or excluded, found not prudent to designate or not determinable, not actually proposed for the species in the proposed rule) and are not currently proposed. Therefore, we did not consider the eastern gopher tortoise DPS or the aforementioned critical habitats in our consultation or concurrence.

EPA included in their consultation request 51 species entities that have since been delisted or whose listing decisions were vacated since EPA’s biological evaluation was submitted (Table 1). We removed delisted species from our concurrence appendix and consultation.

Table 1. Species that were delisted since EPA’s biological evaluation was submitted; delisted species were not included in the Service’s concurrence or consultation.

Taxa	Entity ID	Common Name	Scientific Name
Birds	93	Bachman’s warbler	<i>Vermivora bachmanii</i>
Birds	122	Bridled white-eye	<i>Zosterops conspicillatus conspicillatus</i>
Birds	64	Kauai akialoa (honeycreeper)	<i>Akialoa stejnegeri</i>
Birds	100	Kauai nukupuu	<i>Hemignathus hanapepe</i>
Birds	77	Kauai ‘o‘o (honeyeater)	<i>Moho braccatus</i>

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa	Entity ID	Common Name	Scientific Name
Birds	105	Large Kauai (=kamao) thrush	<i>Myadestes myadestinus</i>
Birds	134	Least tern	<i>Sterna antillarum</i>
Birds	11674	Lesser prairie-chicken (N DPS)	<i>Tympanuchus pallidicinctus</i>
Birds	11675	Lesser prairie-chicken (S DPS)	<i>Tympanuchus pallidicinctus</i>
Birds	98	Maui akepa	<i>Loxops ochraceus</i>
Birds	11333	Maui nukupuu	<i>Hemignathus affinis</i>
Birds	109	Molokai creeper	<i>Paroreomyza flammea</i>
Birds	113	Po'ouli (honeycreeper)	<i>Melamprosops phaeosoma</i>
Birds	116	San Clemente Bell's [sage] sparrow	<i>Amphispiza belli clementeae</i>
Bivalves	349	Flat pigtoe	<i>Pleurobema marshalli</i>
Bivalves	319	Green blossom (pearlymussel)	<i>Epioblasma torulosa gubernaculum</i>
Bivalves	365	Southern acornshell	<i>Epioblasma othcaloogensis</i>
Bivalves	362	Stirrupshell	<i>Quadrula stapes</i>
Bivalves	320	Tubercled blossom (pearlymussel)	<i>Epioblasma torulosa torulosa</i>
Bivalves	6223	Tubercled blossom (pearlymussel)	<i>Epioblasma torulosa torulosa</i>
Bivalves	321	Turgid blossom (pearlymussel)	<i>Epioblasma turgidula</i>
Bivalves	5856	Turgid blossom (pearlymussel)	<i>Epioblasma turgidula</i>
Bivalves	367	Upland combshell	<i>Epioblasma metastriata</i>
Bivalves	322	Yellow blossom (pearlymussel)	<i>Epioblasma florentina florentina</i>
Fish	220	Apache trout	<i>Oncorhynchus apache</i>
Fish	253	Borax Lake chub	<i>Gila boraxobius</i>
Fish	224	Okaloosa darter	<i>Etheostoma okaloosae</i>
Fish	240	Roanoke logperch	<i>Percina rex</i>
Fish	250	San Marcos gambusia	<i>Gambusia georgei</i>
Fish	245	Scioto madtom	<i>Noturus trautmani</i>
Fish	235	Snail darter	<i>Percina tanasi</i>
Mammals	26	Little Mariana fruit bat	<i>Pteropus tokudae</i>
Plants	1225	Bradshaw's desert-parsley	<i>Lomatium bradshawii</i>
Plants	824	Colorado hookless cactus	<i>Sclerocactus glaucus</i>
Plants	880	Cumberland sandwort	<i>Arenaria cumberlandensis</i>
Plants	734	Dwarf-flowered heartleaf	<i>Hexastylis naniflora</i>

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa	Entity ID	Common Name	Scientific Name
Plants	904	Florida golden aster	<i>Chrysopsis floridana</i>
Plants	899	Golden paintbrush	<i>Castilleja levisecta</i>
Plants	552	Island bedstraw	<i>Galium buxifolium</i>
Plants	956	No common name	<i>Lepanthes eltoroensis</i>
Plants	1210	No common name	<i>Adiantum vivesii</i>
Plants	1041	Running buffalo clover	<i>Trifolium stoloniferum</i>
Plants	897	San Benito evening-primrose	<i>Camissonia benitensis</i>
Plants	762	San Clemente Island bush-mallow	<i>Malacothamnus clementinus</i>
Plants	694	San Clemente Island larkspur	<i>Delphinium variegatum ssp. kinkiense</i>
Plants	760	San Clemente Island lotus (=broom)	<i>Acmispon dendroideus var. traskiae</i>
Plants	657	San Clemente Island Paintbrush	<i>Castilleja grisea</i>
Plants	543	Santa Cruz Island dudleya	<i>Dudleya nesiotica</i>
Plants	1047	Water howellia	<i>Howellia aquatilis</i>
Terrestrial Invertebrates	474	Braken Bat Cave meshweaver	<i>Cicurina venii</i>
Terrestrial Invertebrates	400	Kanab ambersnail	<i>Oxyloma haydeni kanabensis</i>

NO EFFECT DETERMINATIONS

In their biological evaluation (BE) and subsequent correspondence for atrazine, the EPA provided determinations of “no effect” for 843 listed and proposed species entities (Table 2) and 529 designated and proposed critical habitats (Table 3) under U.S. Fish and Wildlife Service jurisdiction. During consultation, EPA changed some of their “may affect, likely to adversely affect” and “may affect, not likely to adversely affect” determinations to “no effect”, including for geographic areas where atrazine is no longer labeled for use (e.g., Hawai‘i and California, other than Imperial County). EPA reached a determination of “no effect” if a listed species’ range or critical habitat is outside the action area (i.e., labeled agricultural and non-agricultural atrazine use areas) and will not be exposed to atrazine. Seven of the critical habitats (designated with asterisks after the entity IDs below) were proposed, but were not designated for various reasons (e.g., they were withdrawn or found not prudent to designate) and are not currently proposed. Therefore, we did not include them in the tally above.

Table 2. Listed and proposed species with “no effect” determinations.

Taxa Group	Entity ID	Common Name	Scientific Name	Species Status
Amphibians	204	Arroyo toad	<i>Anaxyrus californicus</i>	Endangered

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa Group	Entity ID	Common Name	Scientific Name	Species Status
Amphibians	205	California red-legged frog	<i>Rana draytonii</i>	Threatened
Amphibians	4773	California tiger Salamander (Central CA DPS)	<i>Ambystoma californiense</i>	Threatened
Amphibians	8395	California tiger Salamander (Santa Barbara Co. DPS)	<i>Ambystoma californiense</i>	Endangered
Amphibians	203	California tiger salamander (Sonoma Co. DPS)	<i>Ambystoma californiense</i>	Endangered
Amphibians	191	Desert slender salamander	<i>Batrachoseps aridus</i>	Endangered
Amphibians	11683	Foothill yellow-legged frog (Central Coast Range DPS)	<i>Rana boylei</i>	Threatened
Amphibians	11684	Foothill yellow-legged frog (Coast Range DPS)	<i>Rana boylei</i>	Endangered
Amphibians	11686	Foothill yellow-legged frog (North Feather River DPS)	<i>Rana boylei</i>	Threatened
Amphibians	11685	Foothill yellow-legged frog (Sierra Nevada DPS)	<i>Rana boylei</i>	Endangered
Amphibians	193	Golden coqui	<i>Eleutherodactylus jasperii</i>	Threatened
Amphibians	196	Guajón	<i>Eleutherodactylus cooki</i>	Threatened
Amphibians	8302	Kern Canyon slender salamander	<i>Batrachoseps simatus</i>	Proposed Threatened
Amphibians	9378	Llanero coqui	<i>Eleutherodactylus juanariveroi</i>	Endangered
Amphibians	1740	Mountain yellow-legged frog (northern DPS)	<i>Rana muscosa</i>	Endangered
Amphibians	207	Mountain yellow-legged frog (southern DPS)	<i>Rana muscosa</i>	Endangered
Amphibians	195	Puerto Rican crested toad	<i>Peltophryne lemur</i>	Threatened
Amphibians	5688	Relictual slender salamander	<i>Batrachoseps relictus</i>	Proposed Endangered
Amphibians	188	Santa Cruz long-toed salamander	<i>Ambystoma macrodactylum croceum</i>	Endangered
Amphibians	12393	Western spadefoot (Northern DPS)	<i>Spea hammondi</i>	Proposed Threatened
Amphibians	1707	Yosemite toad	<i>Anaxyrus canorus</i>	Threatened
Arachnids	463	Kauai cave wolf or pe'e pe'e maka 'ole spider	<i>Adelocosa anops</i>	Endangered
Birds	6522	Akekee	<i>Loxops caeruleirostris</i>	Endangered

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa Group	Entity ID	Common Name	Scientific Name	Species Status
Birds	65	Akiapolaau	<i>Hemignathus wilsoni</i>	Endangered
Birds	4136	Akikiki	<i>Oreomystis bairdi</i>	Endangered
Birds	74	‘Akohekohe (crested honeycreeper)	<i>Palmeria dolei</i>	Endangered
Birds	2859	Band-rumped storm-petrel	<i>Hydrobates castro</i>	Endangered
Birds	90	Bermuda petrel	<i>Pterodroma cahow</i>	Endangered
Birds	66	California condor	<i>Gymnogyps californianus</i>	Endangered
Birds	1737	California condor	<i>Gymnogyps californianus</i>	EXP ^N ¹
Birds	17570	California condor	<i>Gymnogyps californianus</i>	EXP ^N
Birds	102	California Ridgway’s rail	<i>Rallus obsoletus obsoletus</i>	Endangered
Birds		California spotted owl	<i>Strix occidentalis occidentalis</i>	Proposed Endangered
Birds	145	Coastal California gnatcatcher	<i>Polioptila californica californica</i>	Threatened
Birds	4237	Elfin-woods warbler	<i>Setophaga angelae</i>	Threatened
Birds	5170	Friendly ground-dove	<i>Gallicolumba stairi</i>	Endangered
Birds	119	Guam kingfisher	<i>Todiramphus cinnamominus</i>	Endangered
Birds	121	Guam rail	<i>Gallirallus owstoni</i>	Endangered
Birds	97	Hawaii akepa	<i>Loxops coccineus</i>	Endangered
Birds	112	Hawaii creeper	<i>Loxops mana</i>	Endangered
Birds	76	Hawaiian common gallinule	<i>Gallinula galeata sandvicensis</i>	Endangered
Birds	108	Hawaiian coot (alae ke‘oke‘o)	<i>Fulica alai</i>	Endangered
Birds	68	Hawaiian crow	<i>Corvus hawaiiensis</i>	Endangered
Birds	69	Hawaiian duck	<i>Anas wyvilliana</i>	Endangered
Birds	73	Hawaiian goose	<i>Branta (=Nesochen) sandvicensis</i>	Threatened
Birds	104	Hawaiian stilt	<i>Himantopus mexicanus knudseni</i>	Endangered
Birds	10073	‘I‘iwi	<i>Drepanis coccinea</i>	Threatened

¹ EXP^N = non-essential experimental population

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

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Birds	137	Inyo California towhee	<i>Melospiza crissalis eremophilus</i>	Threatened
Birds	70	Laysan duck	<i>Anas laysanensis</i>	Endangered
Birds	71	Laysan finch	<i>Telespiza cantans</i>	Endangered
Birds	103	Light-footed Ridgway's rail	<i>Rallus obsoletus levipes</i>	Endangered
Birds	10582	Mao (= maomao) (honeyeater)	<i>Gymnomyza samoensis</i>	Endangered
Birds	118	Mariana (=aga) crow	<i>Corvus kubaryi</i>	Endangered
Birds	120	Mariana common moorhen (pulattat)	<i>Gallinula chloropus guami</i>	Endangered
Birds	148	Mariana swiftlet	<i>Aerodramus bartschi</i>	Endangered
Birds	81	Maui parrotbill (Kiwikiu)	<i>Pseudonestor xanthophrys</i>	Endangered
Birds	87	Micronesian megapode	<i>Megapodius laperouse</i>	Endangered
Birds	106	Molokai 'oloma'o	<i>Myadestes lanaiensis rutha</i>	Endangered
Birds	114	Newell's shearwater	<i>Puffinus newelli</i>	Threatened
Birds	1222	Nightingale reed warbler (old world warbler)	<i>Acrocephalus luscini</i>	Endangered
Birds	72	Nihoa finch	<i>Telespiza ultima</i>	Endangered
Birds	75	Nihoa millerbird (old world warbler)	<i>Acrocephalus familiaris kingi</i>	Endangered
Birds	99	O'ahu 'alauahio	<i>Paroreomyza maculata</i>	Endangered
Birds	150	Oahu elepaio	<i>Chasiempis ibidis</i>	Endangered
Birds	78	'O'u (honeycreeper)	<i>Psittirostra psittacea</i>	Endangered
Birds	79	Palila (honeycreeper)	<i>Loxioides bailleui</i>	Endangered
Birds	86	Puaiohi	<i>Myadestes palmeri</i>	Endangered
Birds	127	Puerto Rican broad-winged hawk	<i>Buteo platypterus brunescens</i>	Endangered
Birds	111	Puerto Rican nightjar	<i>Antrostomus noctitherus</i>	Endangered
Birds	80	Puerto Rican parrot	<i>Amazona vittata</i>	Endangered
Birds	101	Puerto Rican plain pigeon	<i>Patagioenas inornata wetmorei</i>	Endangered
Birds	128	Puerto Rican sharp-shinned hawk	<i>Accipiter striatus venator</i>	Endangered
Birds	1241	Rota bridled white-eye	<i>Zosterops rotensis</i>	Endangered
Birds	115	San Clemente loggerhead shrike	<i>Lanius ludovicianus mearnsi</i>	Endangered
Birds	146	Spectacled eider	<i>Somateria fischeri</i>	Threatened

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

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Birds	147	Steller's eider	<i>Polysticta stelleri</i>	Threatened
Birds	141	White-necked crow	<i>Corvus leucognaphalus</i>	Endangered
Birds	117	Yellow-shouldered blackbird	<i>Agelaius xanthomus</i>	Endangered
Crustaceans	2929	Anchialine pool shrimp	<i>Procaris hawaiiiana</i>	Endangered
Crustaceans	5449	Anchialine pool shrimp	<i>Vetericaris chaceorum</i>	Endangered
Crustaceans	481	California freshwater shrimp	<i>Syncaris pacifica</i>	Endangered
Crustaceans	490	Conservancy fairy shrimp	<i>Branchinecta conservatio</i>	Endangered
Crustaceans	485	Kauai cave amphipod	<i>Spelaeorchestia koloana</i>	Endangered
Crustaceans	491	Longhorn fairy shrimp	<i>Branchinecta longiantenna</i>	Endangered
Crustaceans	492	Riverside fairy shrimp	<i>Streptocephalus woottoni</i>	Endangered
Crustaceans	495	San Diego fairy shrimp	<i>Branchinecta sandiegonensis</i>	Endangered
Crustaceans	479	Shasta crayfish	<i>Pacifastacus fortis</i>	Endangered
Fishes	10303	Clear Lake hitch	<i>Lavinia exilicauda chi</i>	Proposed Threatened
Fishes	305	Delta smelt	<i>Hypomesus transpacificus</i>	Threatened
Fishes	248	Little Kern golden trout	<i>Oncorhynchus aguabonita whitei</i>	Threatened
Fishes	10012	Longfin smelt	<i>Spirinchus thaleichthys</i>	Endangered
Fishes	225	Mohave tui chub	<i>Gila bicolor ssp. mohavensis</i>	Endangered
Fishes	2659	Santa Ana speckled dace	<i>Rhinichthys gabrielino</i>	Proposed Threatened
Fishes	312	Santa Ana sucker	<i>Catostomus santaanae</i>	Threatened
Fishes	232	Unarmored threespine stickleback	<i>Gasterosteus aculeatus williamsoni</i>	Endangered
Insects	5580	Anthricinan yellow-faced bee	<i>Hylaeus anthracinus</i>	Endangered
Insects	4413	Assimulans yellow-faced bee	<i>Hylaeus assimulans</i>	Endangered
Insects	446	Blackburn's sphinx moth	<i>Manduca blackburni</i>	Endangered
Insects	1361	Blackline Hawaiian damselfly	<i>Megalagrion nigrohamatum nigrolineatum</i>	Endangered

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

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Insects	4326	Crimson Hawaiian damselfly	<i>Megalagrion leptodemas</i>	Endangered
Insects	435	Delta green ground beetle	<i>Elaphrus viridis</i>	Threatened
Insects	6747	Easy yellow-faced bee	<i>Hylaeus facilis</i>	Endangered
Insects	2144	Flying earwig Hawaiian damselfly	<i>Megalagrion nesiotes</i>	Endangered
Insects	1248	Hawaiian picture-wing fly	<i>Drosophila aglaia</i>	Endangered
Insects	1259	Hawaiian picture-wing fly	<i>Drosophila differens</i>	Endangered
Insects	4000	Hawaiian picture-wing fly	<i>Drosophila digressa</i>	Endangered
Insects	1257	Hawaiian picture-wing fly	<i>Drosophila hemipeza</i>	Endangered
Insects	1249	Hawaiian picture-wing fly	<i>Drosophila heteroneura</i>	Endangered
Insects	1250	Hawaiian picture-wing fly	<i>Drosophila montgomeryi</i>	Endangered
Insects	1251	Hawaiian picture-wing fly	<i>Drosophila mulli</i>	Threatened
Insects	1252	Hawaiian picture-wing fly	<i>Drosophila musaphilia</i>	Endangered
Insects	1253	Hawaiian picture-wing fly	<i>Drosophila neoclavisetae</i>	Endangered
Insects	1254	Hawaiian picture-wing fly	<i>Drosophila obatai</i>	Endangered
Insects	1258	Hawaiian picture-wing fly	<i>Drosophila ochrobasis</i>	Endangered
Insects	7261	Hawaiian picture-wing fly	<i>Drosophila sharpi</i>	Endangered
Insects	1255	Hawaiian picture-wing fly	<i>Drosophila substenoptera</i>	Endangered
Insects	1256	Hawaiian picture-wing fly	<i>Drosophila tarphytrichia</i>	Endangered
Insects	10009	Hawaiian yellow-faced bee	<i>Hylaeus kuakea</i>	Endangered
Insects	5333	Hawaiian yellow-faced bee	<i>Hylaeus longiceps</i>	Endangered
Insects	10008	Hawaiian yellow-faced bee	<i>Hylaeus mana</i>	Endangered
Insects	7955	Hilaris yellow-faced bee	<i>Hylaeus hilaris</i>	Endangered
Insects	4308	Mariana eight-spot butterfly	<i>Hypolimnys octocula marianensis</i>	Endangered
Insects	5168	Mariana wandering butterfly	<i>Vagrans egistina</i>	Endangered
Insects	6231	Oceanic Hawaiian damselfly	<i>Megalagrion oceanicum</i>	Endangered
Insects	6867	Orangeblack Hawaiian damselfly	<i>Megalagrion xanthomelas</i>	Endangered
Insects	1953	Pacific Hawaiian damselfly	<i>Megalagrion pacificum</i>	Endangered
Insects	10007	Puerto Rican harlequin butterfly	<i>Atlantea tulita</i>	Threatened
Insects	9282	Rota blue damselfly	<i>Ischnura luta</i>	Endangered

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

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Mammals	28	Amargosa vole	<i>Microtus californicus scirpensis</i>	Endangered
Mammals	58	Buena Vista Lake ornate Shrew	<i>Sorex ornatus relictus</i>	Endangered
Mammals	11653	Fisher	<i>Pekania pennanti</i>	Endangered
Mammals	37	Fresno kangaroo rat	<i>Dipodomys nitratoide exilis</i>	Endangered
Mammals	38	Giant kangaroo rat	<i>Dipodomys ingens</i>	Endangered
Mammals	15	Hawaiian hoary bat	<i>Lasiurus cinereus semotus</i>	Endangered
Mammals	8962	Mariana fruit bat (=Mariana flying fox)	<i>Pteropus mariannus mariannus</i>	Threatened
Mammals	16	Morro Bay kangaroo rat	<i>Dipodomys heermanni morroensis</i>	Endangered
Mammals	5232	Northern sea otter	<i>Enhydra lutris kenyon</i>	Threatened
Mammals	51	Pacific pocket mouse	<i>Perognathus longimembris pacificus</i>	Endangered
Mammals	8166	Pacific sheath-tailed bat	<i>Emballonura semicaudata rotensis</i>	Endangered
Mammals	4564	Pacific sheath-tailed bat	<i>Emballonura semicaudata semicaudata</i>	Endangered
Mammals	49	Point Arena mountain beaver	<i>Aplodontia rufa nigra</i>	Endangered
Mammals	8861	Polar bear	<i>Ursus maritimus</i>	Threatened
Mammals	55	Riparian brush rabbit	<i>Sylvilagus bachmani riparius</i>	Endangered
Mammals	62	Riparian woodrat (=San Joaquin Valley)	<i>Neotoma fuscipes riparia</i>	Endangered
Mammals	17	Salt marsh harvest mouse	<i>Reithrodontomys raviventris</i>	Endangered
Mammals	63	San Bernardino Merriam's kangaroo rat	<i>Dipodomys merriami parvus</i>	Endangered
Mammals	6	San Joaquin kit fox	<i>Vulpes macrotis mutica</i>	Endangered
Mammals	1237	Santa Catalina Island fox	<i>Urocyon littoralis catalinae</i>	Threatened
Mammals	57	Sierra Nevada bighorn sheep	<i>Ovis canadensis sierrae</i>	Endangered
Mammals	45	Southern sea otter	<i>Enhydra lutris nereis</i>	Threatened
Mammals	39	Stephens' kangaroo rat	<i>Dipodomys stephensi</i> (incl. <i>D. cascus</i>)	Threatened
Mammals	40	Tipton kangaroo rat	<i>Dipodomys nitratoide nitratoide</i>	Endangered

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

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Mammals	6654	Wood bison	<i>Bison bison athabasca</i>	Threatened
Other Plant	1192	Gowen cypress	<i>Cupressus goveniana</i> <i>ssp. goveniana</i>	Threatened
Plant-Dicot	736	(=Native yellow hibiscus) Ma‘o hau hele	<i>Hibiscus brackenridgei</i>	Endangered
Plant-Dicot	1159	A‘e	<i>Zanthoxylum dipetalum</i> var. <i>tomentosum</i>	Endangered
Plant-Dicot	869	A‘e	<i>Zanthoxylum hawaiiense</i>	Endangered
Plant-Dicot	7979	A‘e	<i>Zanthoxylum oahuense</i>	Endangered
Plant-Dicot	635	‘Ahinahina	<i>Argyroxiphium sandwicense</i> ssp. <i>macrocephalum</i>	Threatened
Plant-Dicot	882	‘Ahinahina	<i>Argyroxiphium sandwicense</i> ssp. <i>sandwicense</i>	Endangered
Plant-Dicot	833	‘Aiakeakua, popolo	<i>Solanum sandwicense</i>	Endangered
Plant-Dicot	780	‘Aiea	<i>Nothocestrum breviflorum</i>	Endangered
Plant-Dicot	1760	‘Aiea	<i>Nothocestrum latifolium</i>	Endangered
Plant-Dicot	781	‘Aiea	<i>Nothocestrum peltatum</i>	Endangered
Plant-Dicot	664	Akoko	<i>Euphorbia halemanui</i>	Endangered
Plant-Dicot	662	‘Akoko	<i>Euphorbia celastroides</i> var. <i>kaenana</i>	Endangered
Plant-Dicot	1223	‘Akoko	<i>Euphorbia deppeana</i>	Endangered
Plant-Dicot	1502	‘Akoko	<i>Euphorbia eleanoriae</i>	Endangered
Plant-Dicot	549	‘Akoko	<i>Euphorbia haeleeleana</i>	Endangered
Plant-Dicot	1179	‘Akoko	<i>Euphorbia herbstii</i>	Endangered
Plant-Dicot	1094	‘Akoko	<i>Euphorbia kuwaleana</i>	Endangered
Plant-Dicot	3871	‘Akoko	<i>Euphorbia remyi</i> var. <i>kauaiensis</i>	Endangered
Plant-Dicot	1607	‘Akoko	<i>Euphorbia remyi</i> var. <i>remyi</i>	Endangered
Plant-Dicot	1180	‘Akoko	<i>Euphorbia rockii</i>	Endangered
Plant-Dicot	665	‘Akoko	<i>Euphorbia skottsbergii</i> var. <i>skottsbergii</i>	Endangered
Plant-Dicot	7280	‘Aku	<i>Cyanea tritomantha</i>	Endangered
Plant-Dicot	916	‘Aku‘aku	<i>Cyanea platyphylla</i>	Endangered
Plant-Dicot	2683	‘Ala ‘ala wai nui	<i>Peperomia subpetiolata</i>	Endangered
Plant-Dicot	1132	Alani	<i>Melicope adscendens</i>	Endangered
Plant-Dicot	765	Alani	<i>Melicope balloui</i>	Endangered

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa Group	Entity ID	Common Name	Scientific Name	Species Status
Plant-Dicot	3472	Alani	<i>Melicope christophersenii</i>	Endangered
Plant-Dicot	1609	Alani	<i>Melicope degeneri</i>	Endangered
Plant-Dicot	766	Alani	<i>Melicope haupuensis</i>	Endangered
Plant-Dicot	4377	Alani	<i>Melicope hiiakae</i>	Endangered
Plant-Dicot	767	Alani	<i>Melicope knudsenii</i>	Endangered
Plant-Dicot	768	Alani	<i>Melicope lydgatei</i>	Endangered
Plant-Dicot	3728	Alani	<i>Melicope makahae</i>	Endangered
Plant-Dicot	769	Alani	<i>Melicope mucronulata</i>	Endangered
Plant-Dicot	770	Alani	<i>Melicope munroi</i>	Endangered
Plant-Dicot	771	Alani	<i>Melicope ovalis</i>	Endangered
Plant-Dicot	772	Alani	<i>Melicope pallida</i>	Endangered
Plant-Dicot	8357	Alani	<i>Melicope paniculata</i>	Endangered
Plant-Dicot	3753	Alani	<i>Melicope puberula</i>	Endangered
Plant-Dicot	773	Alani	<i>Melicope quadrangularis</i>	Endangered
Plant-Dicot	774	Alani	<i>Melicope reflexa</i>	Endangered
Plant-Dicot	575	Alani	<i>Melicope saint-johnii</i>	Endangered
Plant-Dicot	775	Alani	<i>Melicope zahlbruckneri</i>	Endangered
Plant-Dicot	567	‘Anaunau	<i>Lepidium arbuscula</i>	Endangered
Plant-Dicot	784	Antioch Dunes evening-primrose	<i>Oenothera deltoides</i> ssp. <i>howellii</i>	Endangered
Plant-Dicot	1151	‘Anunu	<i>Sicyos albus</i>	Endangered
Plant-Dicot	1623	‘Anunu	<i>Sicyos macrophyllus</i>	Endangered
Plant-Dicot	10726	Aplokating-palaoan	<i>Psychotria malaspinae</i>	Endangered
Plant-Dicot	523	Ash-grey paintbrush	<i>Castilleja cinerea</i>	Threatened
Plant-Dicot	952	Aupaka	<i>Isodendron hosakae</i>	Endangered
Plant-Dicot	563	Aupaka	<i>Isodendron laurifolium</i>	Endangered
Plant-Dicot	564	Aupaka	<i>Isodendron longifolium</i>	Threatened
Plant-Dicot	654	‘Awikiwiki	<i>Canavalia molokaiensis</i>	Endangered
Plant-Dicot	2118	‘Awikiwiki	<i>Canavalia napaliensis</i>	Endangered
Plant-Dicot	7805	‘Awikiwiki	<i>Canavalia pubescens</i>	Endangered
Plant-Dicot	724	Awiwi	<i>Kadua cookiana</i>	Endangered
Plant-Dicot	1093	Awiwi	<i>Schenkia sebaeoides</i>	Endangered
Plant-Dicot	539	Baker's larkspur	<i>Delphinium bakeri</i>	Endangered
Plant-Dicot	1082	Bakersfield cactus	<i>Opuntia treleasei</i>	Endangered
Plant-Dicot	1012	Bariaco	<i>Trichilia triacantha</i>	Endangered
Plant-Dicot	1122	Beach layia	<i>Layia carnosa</i>	Threatened
Plant-Dicot	506	Bear Valley sandwort	<i>Arenaria ursina</i>	Threatened

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa Group	Entity ID	Common Name	Scientific Name	Species Status
Plant-Dicot	1231	Beautiful goetzea	<i>Goetzea elegans</i>	Endangered
Plant-Dicot	1095	Ben Lomond spineflower	<i>Chorizanthe pungens</i> var. <i>hartwegiana</i>	Endangered
Plant-Dicot	934	Ben Lomond wallflower	<i>Erysimum teretifolium</i>	Endangered
Plant-Dicot	10727	Berenghenas halomtano	<i>Solanum guamense</i>	Endangered
Plant-Dicot	1173	Big-leaved crownbeard	<i>Verbesina dissita</i>	Threatened
Plant-Dicot	507	Braunton's milk-vetch	<i>Astragalus brauntonii</i>	Endangered
Plant-Dicot	748	Burke's goldfields	<i>Lasthenia burkei</i>	Endangered
Plant-Dicot	1081	Butte County meadowfoam	<i>Limnanthes floccosa</i> ssp. <i>californica</i>	Endangered
Plant-Dicot	1078	California jewelflower	<i>Caulanthus californicus</i>	Endangered
Plant-Dicot	1164	California seablite	<i>Suaeda californica</i>	Endangered
Plant-Dicot	614	California taraxacum	<i>Taraxacum californicum</i>	Endangered
Plant-Dicot	593	Calistoga allocarya	<i>Plagiobothrys strictus</i>	Endangered
Plant-Dicot	894	Capa rosa	<i>Callicarpa ampla</i>	Endangered
Plant-Dicot	526	Catalina Island mountain-mahogany	<i>Cercocarpus traskiae</i>	Endangered
Plant-Dicot	667	Chorro Creek bog thistle	<i>Cirsium fontinale</i> var. <i>obispoense</i>	Endangered
Plant-Dicot	508	Clara Hunt's milk-vetch	<i>Astragalus clarianus</i>	Endangered
Plant-Dicot	737	Clay's hibiscus	<i>Hibiscus clayi</i>	Endangered
Plant-Dicot	966	Clover (Tidestrom's) lupine	<i>Lupinus tidestromii</i>	Endangered
Plant-Dicot	886	Coachella Valley milk-vetch	<i>Astragalus lentiginosus</i> var. <i>coachellae</i>	Endangered
Plant-Dicot	512	Coastal dunes milk-vetch	<i>Astragalus tener</i> var. <i>titi</i>	Endangered
Plant-Dicot	1005	Cobana negra	<i>Stahlia monosperma</i>	Threatened
Plant-Dicot	541	Conejo dudleya	<i>Dudleya abramsii</i> ssp. <i>parva</i>	Threatened
Plant-Dicot	566	Contra Costa goldfields	<i>Lasthenia conjugens</i>	Endangered
Plant-Dicot	712	Contra Costa wallflower	<i>Erysimum capitatum</i> var. <i>angustatum</i>	Endangered
Plant-Dicot	745	Cooke's koki'o	<i>Kokia cookei</i>	Endangered
Plant-Dicot	948	Cook's holly	<i>Ilex cookii</i>	Endangered
Plant-Dicot	658	Coyote ceanothus	<i>Ceanothus ferrisae</i>	Endangered
Plant-Dicot	710	Cushenbury buckwheat	<i>Eriogonum ovalifolium</i> var. <i>vineum</i>	Endangered
Plant-Dicot	1086	Cushenbury milk-vetch	<i>Astragalus albens</i>	Endangered

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa Group	Entity ID	Common Name	Scientific Name	Species Status
Plant-Dicot	1134	Cushenbury oxytheca	<i>Oxytheca parishii</i> var. <i>goodmaniana</i>	Endangered
Plant-Dicot	502	Del Mar manzanita	<i>Arctostaphylos glandulosa</i> ssp. <i>crassifolia</i>	Endangered
Plant-Dicot	821	Diamond Head schiedea	<i>Schiedea adamantis</i>	Endangered
Plant-Dicot	868	Dwarf iliau	<i>Wilkesia hobdyi</i>	Endangered
Plant-Dicot	820	Dwarf naupaka	<i>Scaevola coriacea</i>	Endangered
Plant-Dicot	553	El Dorado bedstraw	<i>Galium californicum</i> ssp. <i>sierrae</i>	Endangered
Plant-Dicot	5334	'Ena'ena	<i>Pseudognaphalium sandwicense</i> var. <i>molokaiense</i>	Endangered
Plant-Dicot	889	Encinitas baccharis	<i>Baccharis vanessae</i>	Threatened
Plant-Dicot	1002	Erubia	<i>Solanum drymophilum</i>	Endangered
Plant-Dicot	578	Few-flowered navarretia	<i>Navarretia leucocephala</i> ssp. <i>pauciflora</i> (=N. <i>pauciflora</i>)	Endangered
Plant-Dicot	887	Fish Slough milk-vetch	<i>Astragalus lentiginosus</i> var. <i>piscinensis</i>	Threatened
Plant-Dicot	522	Fleshy owl's-clover	<i>Castilleja campestris</i> ssp. <i>succulenta</i>	Threatened
Plant-Dicot	668	Fountain thistle	<i>Cirsium fontinale</i> var. <i>fontinale</i>	Endangered
Plant-Dicot	2823	Franciscan manzanita	<i>Arctostaphylos franciscana</i>	Endangered
Plant-Dicot	1145	Gambel's watercress	<i>Rorippa gambellii</i>	Endangered
Plant-Dicot	1119	Gaviota Tarplant	<i>Deinandra increscens</i> ssp. <i>villosa</i>	Endangered
Plant-Dicot	1175	Haha	<i>Cyanea acuminata</i>	Endangered
Plant-Dicot	1099	Haha	<i>Cyanea asarifolia</i>	Endangered
Plant-Dicot	7892	Haha	<i>Cyanea asplenifolia</i>	Endangered
Plant-Dicot	3540	Haha	<i>Cyanea calycina</i>	Endangered
Plant-Dicot	1100	Haha	<i>Cyanea copelandii</i> ssp. <i>copelandii</i>	Endangered
Plant-Dicot	1185	Haha	<i>Cyanea copelandii</i> ssp. <i>haleakalaensis</i>	Endangered
Plant-Dicot	1224	Haha	<i>Cyanea crispa</i>	Endangered
Plant-Dicot	9951	Haha	<i>Cyanea dolichopoda</i>	Endangered

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa Group	Entity ID	Common Name	Scientific Name	Species Status
Plant-Dicot	1101	Haha	<i>Cyanea dunbariae</i>	Endangered
Plant-Dicot	10222	Haha	<i>Cyanea duvalliorum</i>	Endangered
Plant-Dicot	1278	Haha	<i>Cyanea eleeleensis</i>	Endangered
Plant-Dicot	1052	Haha	<i>Cyanea gibsonii</i>	Endangered
Plant-Dicot	1102	Haha	<i>Cyanea glabra</i>	Endangered
Plant-Dicot	684	Haha	<i>Cyanea grimesiana</i> ssp. <i>grimesiana</i>	Endangered
Plant-Dicot	1049	Haha	<i>Cyanea grimesiana</i> ssp. <i>obatae</i>	Endangered
Plant-Dicot	1050	Haha	<i>Cyanea hamatiflora</i> ssp. <i>carlsonii</i>	Endangered
Plant-Dicot	1186	Haha	<i>Cyanea hamatiflora</i> ssp. <i>hamatiflora</i>	Endangered
Plant-Dicot	535	Haha	<i>Cyanea humboldtiana</i>	Endangered
Plant-Dicot	9952	Haha	<i>Cyanea kolekoleensis</i>	Endangered
Plant-Dicot	1181	Haha	<i>Cyanea koolauensis</i>	Endangered
Plant-Dicot	4961	Haha	<i>Cyanea kuhihewa</i>	Endangered
Plant-Dicot	1968	Haha	<i>Cyanea kunthiana</i>	Endangered
Plant-Dicot	6019	Haha	<i>Cyanea lanceolata</i>	Endangered
Plant-Dicot	1051	Haha	<i>Cyanea lobata</i>	Endangered
Plant-Dicot	1182	Haha	<i>Cyanea longiflora</i>	Endangered
Plant-Dicot	10224	Haha	<i>Cyanea magnicalyx</i>	Endangered
Plant-Dicot	1103	Haha	<i>Cyanea mannii</i>	Endangered
Plant-Dicot	10225	Haha	<i>Cyanea maritae</i>	Endangered
Plant-Dicot	6969	Haha	<i>Cyanea marksii</i>	Endangered
Plant-Dicot	10226	Haha	<i>Cyanea mauiensis</i>	Endangered
Plant-Dicot	685	Haha	<i>Cyanea mceldowneyi</i>	Endangered
Plant-Dicot	10227	Haha	<i>Cyanea munroi</i>	Endangered
Plant-Dicot	2860	Haha	<i>Cyanea obtusa</i>	Endangered
Plant-Dicot	915	Haha	<i>Cyanea pinnatifida</i>	Endangered
Plant-Dicot	1104	Haha	<i>Cyanea procera</i>	Endangered
Plant-Dicot	6303	Haha	<i>Cyanea profuga</i>	Endangered
Plant-Dicot	1636	Haha	<i>Cyanea purpurellifolia</i>	Endangered
Plant-Dicot	1105	Haha	<i>Cyanea recta</i>	Threatened
Plant-Dicot	1176	Haha	<i>Cyanea remyi</i>	Endangered
Plant-Dicot	537	Haha	<i>Cyanea rivularis</i>	Endangered
Plant-Dicot	686	Haha	<i>Cyanea shipmanii</i>	Endangered
Plant-Dicot	687	Haha	<i>Cyanea st.-johnii</i>	Endangered
Plant-Dicot	917	Haha	<i>Cyanea stictophylla</i>	Endangered
Plant-Dicot	688	Haha	<i>Cyanea superba</i>	Endangered

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa Group	Entity ID	Common Name	Scientific Name	Species Status
Plant-Dicot	1106	Haha	<i>Cyanea truncata</i>	Endangered
Plant-Dicot	1107	Haha	<i>Cyanea undulata</i>	Endangered
Plant-Dicot	10223	Haha nui	<i>Cyanea horrida</i>	Endangered
Plant-Dicot	10228	Haiwale	<i>Cyrtandra ferripilosa</i>	Endangered
Plant-Dicot	8347	Haiwale	<i>Cyrtandra gracilis</i>	Endangered
Plant-Dicot	10480	Haiwale	<i>Cyrtandra nanawaleensis</i>	Endangered
Plant-Dicot	9953	Haiwale	<i>Cyrtandra paliku</i>	Endangered
Plant-Dicot	10481	Haiwale	<i>Cyrtandra wagneri</i>	Endangered
Plant-Dicot	5991	Haiwale	<i>Cyrtandra waiolani</i>	Endangered
Plant-Dicot	918	Ha'iwale	<i>Cyrtandra crenata</i>	Endangered
Plant-Dicot	536	Ha'iwale	<i>Cyrtandra dentata</i>	Endangered
Plant-Dicot	2085	Ha'iwale	<i>Cyrtandra filipes</i>	Endangered
Plant-Dicot	919	Ha'iwale	<i>Cyrtandra giffardii</i>	Endangered
Plant-Dicot	3020	Ha'iwale	<i>Cyrtandra hematos</i>	Endangered
Plant-Dicot	4201	Ha'iwale	<i>Cyrtandra kaulantha</i>	Endangered
Plant-Dicot	1110	Ha'iwale	<i>Cyrtandra limahuliensis</i>	Threatened
Plant-Dicot	1230	Ha'iwale	<i>Cyrtandra munroi</i>	Endangered
Plant-Dicot	6679	Ha'iwale	<i>Cyrtandra oenobarba</i>	Endangered
Plant-Dicot	1349	Ha'iwale	<i>Cyrtandra oxybapha</i>	Endangered
Plant-Dicot	690	Ha'iwale	<i>Cyrtandra polyantha</i>	Endangered
Plant-Dicot	2273	Ha'iwale	<i>Cyrtandra sessilis</i>	Endangered
Plant-Dicot	691	Ha'iwale	<i>Cyrtandra subumbellata</i>	Endangered
Plant-Dicot	1111	Ha'iwale	<i>Cyrtandra tintinnabula</i>	Endangered
Plant-Dicot	1112	Ha'iwale	<i>Cyrtandra viridiflora</i>	Endangered
Plant-Dicot	599	Hartweg's golden sunburst	<i>Pseudobahia bahiifolia</i>	Endangered
Plant-Dicot	560	Hau kuahiwi	<i>Hibiscadelphus giffardianus</i>	Endangered
Plant-Dicot	561	Hau kuahiwi	<i>Hibiscadelphus hualalaiensis</i>	Endangered
Plant-Dicot	1177	Hau kuahiwi	<i>Hibiscadelphus woodii</i>	Endangered
Plant-Dicot	715	Hawaiian gardenia	<i>Gardenia brighamii</i>	Endangered
Plant-Dicot	861	Hawaiian vetch	<i>Vicia menziesii</i>	Endangered
Plant-Dicot	1038	Hayun Iagu (=Guam), Tronkon guafi (Rota))	<i>Serianthes nelsonii</i>	Endangered
Plant-Dicot	938	Heau	<i>Exocarpos luteolus</i>	Endangered
Plant-Dicot	10583	Heau	<i>Exocarpos menziesii</i>	Endangered
Plant-Dicot	596	Hickman's potentilla	<i>Potentilla hickmanii</i>	Endangered
Plant-Dicot	942	Higo chumbo	<i>Harrisia portoricensis</i>	Threatened

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa Group	Entity ID	Common Name	Scientific Name	Species Status
Plant-Dicot	912	Higuero de sierra	<i>Crescentia portoricensis</i>	Endangered
Plant-Dicot	4740	Hoawa	<i>Pittosporum halophilum</i>	Endangered
Plant-Dicot	4007	Hoawa	<i>Pittosporum hawaiiense</i>	Endangered
Plant-Dicot	3154	Hoawa	<i>Pittosporum napaliense</i>	Endangered
Plant-Dicot	501	Hoffmann's rock-cress	<i>Arabis hoffmannii</i>	Endangered
Plant-Dicot	555	Hoffmann's slender-flowered gilia	<i>Gilia tenuiflora ssp. hoffmannii</i>	Endangered
Plant-Dicot	7067	Holei	<i>Ochrosia haleakalae</i>	Endangered
Plant-Dicot	1060	Holei	<i>Ochrosia kilaueaensis</i>	Endangered
Plant-Dicot	722	Honohono	<i>Haplostachys haplostachya</i>	Endangered
Plant-Dicot	527	Hoover's spurge	<i>Chamaesyce hooveri</i>	Threatened
Plant-Dicot	902	Howell's spineflower	<i>Chorizanthe howellii</i>	Endangered
Plant-Dicot	1693	Hulumoa	<i>Korthalsella degeneri</i>	Endangered
Plant-Dicot	3116	Ihi	<i>Portulaca villosa</i>	Endangered
Plant-Dicot	708	Indian Knob mountainbalm	<i>Eriodictyon altissimum</i>	Endangered
Plant-Dicot	547	Ione (incl. Irish Hill) buckwheat	<i>Eriogonum apricum (incl. var. prostratum)</i>	Endangered
Plant-Dicot	504	Ione manzanita	<i>Arctostaphylos myrtifolia</i>	Threatened
Plant-Dicot	515	Island barberry	<i>Berberis pinnata ssp. insularis</i>	Endangered
Plant-Dicot	1170	Island malacothrix	<i>Malacothrix squalida</i>	Endangered
Plant-Dicot	587	Island phacelia	<i>Phacelia insularis ssp. insularis</i>	Endangered
Plant-Dicot	557	Island rush-rose	<i>Helianthemum greenei</i>	Threatened
Plant-Dicot	954	Kamakahala	<i>Labordia cyrtandrae</i>	Endangered
Plant-Dicot	2778	Kamakahala	<i>Labordia helleri</i>	Endangered
Plant-Dicot	955	Kamakahala	<i>Labordia lydgatei</i>	Endangered
Plant-Dicot	3832	Kamakahala	<i>Labordia pumila</i>	Endangered
Plant-Dicot	1232	Kamakahala	<i>Labordia tinifolia var. lanaiensis</i>	Endangered
Plant-Dicot	1178	Kamakahala	<i>Labordia tinifolia var. wahiawaensis</i>	Endangered
Plant-Dicot	565	Kamakahala	<i>Labordia triflora</i>	Endangered
Plant-Dicot	1645	Kamapua'a	<i>Kadua fluviatilis</i>	Endangered
Plant-Dicot	735	Kauai hau kuahiwi	<i>Hibiscadelphus distans</i>	Endangered
Plant-Dicot	674	Kauila	<i>Colubrina oppositifolia</i>	Endangered

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa Group	Entity ID	Common Name	Scientific Name	Species Status
Plant-Dicot	810	Kaulu	<i>Pteralyxia kauaiensis</i>	Endangered
Plant-Dicot	2265	Kaulu	<i>Pteralyxia macrocarpa</i>	Endangered
Plant-Dicot	610	Keck's Checker-mallow	<i>Sidalcea keckii</i>	Endangered
Plant-Dicot	612	Kenwood Marsh checker-mallow	<i>Sidalcea oregana ssp. valida</i>	Endangered
Plant-Dicot	1055	Kern mallow	<i>Eremalche kernensis</i>	Endangered
Plant-Dicot	725	Kio'ele	<i>Kadua coriacea</i>	Endangered
Plant-Dicot	1136	Kiponapona	<i>Phyllostegia racemosa</i>	Endangered
Plant-Dicot	1010	Kneeland Prairie penny-cress	<i>Thlaspi californicum</i>	Endangered
Plant-Dicot	1187	Kohe malama malama o Kanaloa	<i>Kanaloa kahoolawensis</i>	Endangered
Plant-Dicot	697	Koholapehu	<i>Dubautia latifolia</i>	Endangered
Plant-Dicot	746	Koki'o	<i>Kokia drynarioides</i>	Endangered
Plant-Dicot	747	Koki'o	<i>Kokia kauaiensis</i>	Endangered
Plant-Dicot	947	Koki'o ke'oke'o	<i>Hibiscus arnottianus ssp. immaculatus</i>	Endangered
Plant-Dicot	738	Koki'o ke'oke'o	<i>Hibiscus waimeae ssp. hanneriae</i>	Endangered
Plant-Dicot	5763	Kolea	<i>Myrsine fosbergii</i>	Endangered
Plant-Dicot	1133	Kolea	<i>Myrsine juddii</i>	Endangered
Plant-Dicot	9959	Kolea	<i>Myrsine knudsenii</i>	Endangered
Plant-Dicot	577	Kolea	<i>Myrsine linearifolia</i>	Threatened
Plant-Dicot	1521	Kolea	<i>Myrsine mezii</i>	Endangered
Plant-Dicot	2970	Kolea	<i>Myrsine vaccinioides</i>	Endangered
Plant-Dicot	10479	Kookoolau	<i>Bidens hillebrandiana ssp. hillebrandiana</i>	Endangered
Plant-Dicot	2278	Ko'oko'olau	<i>Bidens amplexans</i>	Endangered
Plant-Dicot	7617	Ko'oko'olau	<i>Bidens campylotheca ssp. pentamera</i>	Endangered
Plant-Dicot	8277	Ko'oko'olau	<i>Bidens campylotheca ssp. waihoiensis</i>	Endangered
Plant-Dicot	8338	Ko'oko'olau	<i>Bidens conjuncta</i>	Endangered
Plant-Dicot	4589	Ko'oko'olau	<i>Bidens micrantha ssp. ctenophylla</i>	Endangered
Plant-Dicot	645	Ko'oko'olau	<i>Bidens micrantha ssp. kalealaha</i>	Endangered
Plant-Dicot	646	Ko'oko'olau	<i>Bidens wiebkei</i>	Endangered
Plant-Dicot	617	Ko'oloa'ula	<i>Abutilon menziesii</i>	Endangered
Plant-Dicot	1118	Kopa	<i>Kadua cordata remyi</i>	Endangered
Plant-Dicot	2619	Kopiko	<i>Psychotria grandiflora</i>	Endangered

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa Group	Entity ID	Common Name	Scientific Name	Species Status
Plant-Dicot	3084	Kopiko	<i>Psychotria hexandra</i> var. <i>oahuensis</i>	Endangered
Plant-Dicot	6536	Kopiko	<i>Psychotria hobbdi</i>	Endangered
Plant-Dicot	1140	Kuahiwi laukahi	<i>Plantago hawaiiensis</i>	Endangered
Plant-Dicot	800	Kuahiwi laukahi	<i>Plantago princeps</i>	Endangered
Plant-Dicot	1084	Kuawawaenohu	<i>Schiedea lychnoides</i>	Endangered
Plant-Dicot	741	Kula wahine noho	<i>Isodendrion pyrifolium</i>	Endangered
Plant-Dicot	782	Kulu'i	<i>Nototrichium humile</i>	Endangered
Plant-Dicot	531	La Graciosa thistle	<i>Cirsium loncholepis</i>	Endangered
Plant-Dicot	544	Laguna Beach liveforever	<i>Dudleya stolonifera</i>	Threatened
Plant-Dicot	585	Lake County stonecrop	<i>Parvisedum leiocarpum</i>	Endangered
Plant-Dicot	993	Lanai sandalwood (=‘iliahi)	<i>Santalum haleakalae</i> var. <i>lanaiense</i>	Endangered
Plant-Dicot	510	Lane Mountain milk-vetch	<i>Astragalus jaegerianus</i>	Endangered
Plant-Dicot	626	Large-flowered fiddleneck	<i>Amsinckia grandiflora</i>	Endangered
Plant-Dicot	3295	Lassics lupine	<i>Lupinus constancei</i>	Endangered
Plant-Dicot	1071	Laulihilihi	<i>Schiedea stellarioides</i>	Endangered
Plant-Dicot	608	Layne's butterweed	<i>Senecio layneae</i>	Threatened
Plant-Dicot	7170	Lehua makanoe	<i>Lysimachia daphnoides</i>	Endangered
Plant-Dicot	619	Liliwai	<i>Acaena exigua</i>	Endangered
Plant-Dicot	931	Loch Lomond coyote thistle	<i>Eryngium constancei</i>	Endangered
Plant-Dicot	546	Lompoc yerba santa	<i>Eriodictyon capitatum</i>	Endangered
Plant-Dicot	2727	Loulu	<i>Pritchardia hardyi</i>	Endangered
Plant-Dicot	586	Lyon's pentachaeta	<i>Pentachaeta lyonii</i>	Endangered
Plant-Dicot	621	Mahoe	<i>Alectryon macrococcus</i>	Endangered
Plant-Dicot	795	Makou	<i>Peucedanum sandwicense</i>	Threatened
Plant-Dicot	2682	Makou	<i>Ranunculus hawaiiensis</i>	Endangered
Plant-Dicot	3292	Makou	<i>Ranunculus mauiensis</i>	Endangered
Plant-Dicot	579	Many-flowered navarretia	<i>Navarretia leucocephala</i> ssp. <i>plieantha</i>	Endangered
Plant-Dicot	1065	Ma'oli'oli	<i>Schiedea apokremnos</i>	Endangered
Plant-Dicot	3175	Ma'oli'oli	<i>Schiedea hawaiiensis</i>	Endangered
Plant-Dicot	603	Ma'oli'oli	<i>Schiedea kealiae</i>	Endangered
Plant-Dicot	2036	Ma'oli'oli	<i>Schiedea pubescens</i>	Endangered
Plant-Dicot	1109	Mapele	<i>Cyrtandra cyaneoides</i>	Endangered
Plant-Dicot	542	Marcrescent dudleya	<i>Dudleya cymosa</i> ssp. <i>marcescens</i>	Threatened

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa Group	Entity ID	Common Name	Scientific Name	Species Status
Plant-Dicot	730	Marin dwarf-flax	<i>Hesperolinon congestum</i>	Threatened
Plant-Dicot	519	Mariposa pussypaws	<i>Calyptridium pulchellum</i>	Threatened
Plant-Dicot	4551	Marron bacora	<i>Solanum conocarpum</i>	Endangered
Plant-Dicot	881	Marsh Sandwort	<i>Arenaria paludicola</i>	Endangered
Plant-Dicot	815	Maui remya	<i>Remya mauiensis</i>	Endangered
Plant-Dicot	634	Mauna Loa (=Ka'u) silversword	<i>Argyroxiphium kauense</i>	Endangered
Plant-Dicot	1117	Mehamehame	<i>Flueggea neowawraea</i>	Endangered
Plant-Dicot	933	Menzies' wallflower	<i>Erysimum menziesii</i>	Endangered
Plant-Dicot	841	Metcalf Canyon jewelflower	<i>Streptanthus albidus</i> ssp. <i>albidus</i>	Endangered
Plant-Dicot	1027	Mexican flannelbush	<i>Fremontodendron mexicanum</i>	Endangered
Plant-Dicot	856	Monterey clover	<i>Trifolium trichocalyx</i>	Endangered
Plant-Dicot	940	Monterey gilia	<i>Gilia tenuiflora</i> ssp. <i>arenaria</i>	Endangered
Plant-Dicot	903	Monterey spineflower	<i>Chorizanthe pungens</i> var. <i>pungens</i>	Threatened
Plant-Dicot	879	Morro manzanita	<i>Arctostaphylos morroensis</i>	Threatened
Plant-Dicot	9954	Naenae	<i>Dubautia kalalauensis</i>	Endangered
Plant-Dicot	9955	Naenae	<i>Dubautia kenwoodii</i>	Endangered
Plant-Dicot	1054	Na'ena'e	<i>Dubautia herbstobatae</i>	Endangered
Plant-Dicot	4858	Na'ena'e	<i>Dubautia imbricata</i> ssp. <i>imbricata</i>	Endangered
Plant-Dicot	1113	Na'ena'e	<i>Dubautia pauciflorula</i>	Endangered
Plant-Dicot	1114	Na'ena'e	<i>Dubautia plantaginea</i> ssp. <i>humilis</i>	Endangered
Plant-Dicot	3049	Na'ena'e	<i>Dubautia plantaginea</i> ssp. <i>magnifolia</i>	Endangered
Plant-Dicot	2154	Na'ena'e	<i>Dubautia waialealae</i>	Endangered
Plant-Dicot	865	Nani wai'ale'ale	<i>Viola kauaiensis</i> var. <i>wahiawaensis</i>	Endangered
Plant-Dicot	1183	Nanu	<i>Gardenia mannii</i>	Endangered
Plant-Dicot	5186	Nanu	<i>Gardenia remyi</i>	Endangered
Plant-Dicot	755	Nehe	<i>Lipochaeta fauriei</i>	Endangered
Plant-Dicot	756	Nehe	<i>Lipochaeta lobata</i> var. <i>leptophylla</i>	Endangered
Plant-Dicot	962	Nehe	<i>Lipochaeta micrantha</i>	Endangered

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa Group	Entity ID	Common Name	Scientific Name	Species Status
Plant-Dicot	757	Nehe	<i>Lipochaeta venosa</i>	Endangered
Plant-Dicot	964	Nehe	<i>Lipochaeta waimeaensis</i>	Endangered
Plant-Dicot	961	Nehe	<i>Melanthera kamolensis</i>	Endangered
Plant-Dicot	963	Nehe	<i>Melanthera tenuifolia</i>	Endangered
Plant-Dicot	514	Nevin's barberry	<i>Berberis nevinii</i>	Endangered
Plant-Dicot	1116	Nioi	<i>Eugenia koolauensis</i>	Endangered
Plant-Dicot	573	Nipomo Mesa lupine	<i>Lupinus nipomensis</i>	Endangered
Plant-Dicot	616	No common name	<i>Abutilon eremitopetalum</i>	Endangered
Plant-Dicot	618	No common name	<i>Abutilon sandwicense</i>	Endangered
Plant-Dicot	497	No common name	<i>Achyranthes mutica</i>	Endangered
Plant-Dicot	499	No common name	<i>Amaranthus brownii</i>	Endangered
Plant-Dicot	1091	No common name	<i>Auerodendron pauciflorum</i>	Endangered
Plant-Dicot	648	No common name	<i>Bonamia menziesii</i>	Endangered
Plant-Dicot	895	No common name	<i>Calyptanthus thomasiana</i>	Endangered
Plant-Dicot	1092	No common name	<i>Catesbaea melanocarpa</i>	Endangered
Plant-Dicot	900	No common name	<i>Chamaecrista glandulosa</i> var. <i>mirabilis</i>	Endangered
Plant-Dicot	908	No common name	<i>Cordia bellonis</i>	Endangered
Plant-Dicot	10588	No common name	<i>Cyanea kauaulaensis</i>	Endangered
Plant-Dicot	921	No common name	<i>Daphnopsis helleriana</i>	Endangered
Plant-Dicot	692	No common name	<i>Delissea rhytidosperma</i>	Endangered
Plant-Dicot	538	No common name	<i>Delissea undulata</i>	Endangered
Plant-Dicot	10721	No common name	<i>Eugenia bryanii</i>	Endangered
Plant-Dicot	1169	No common name	<i>Eugenia woodburyana</i>	Threatened
Plant-Dicot	1057	No common name	<i>Gesneria pauciflora</i>	Threatened
Plant-Dicot	3990	No common name	<i>Gonocalyx concolor</i>	Endangered
Plant-Dicot	719	No common name	<i>Gouania hillebrandii</i>	Endangered
Plant-Dicot	720	No common name	<i>Gouania meyenii</i>	Endangered
Plant-Dicot	721	No common name	<i>Gouania vitifolia</i>	Endangered
Plant-Dicot	731	No common name	<i>Hesperomannia arborescens</i>	Endangered
Plant-Dicot	732	No common name	<i>Hesperomannia arbuscula</i>	Endangered
Plant-Dicot	733	No common name	<i>Hesperomannia lydgatei</i>	Endangered
Plant-Dicot	1162	No common name	<i>Ilex sintenisii</i>	Endangered

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa Group	Entity ID	Common Name	Scientific Name	Species Status
Plant-Dicot	726	No common name	<i>Kadua degeneri</i>	Endangered
Plant-Dicot	10592	No common name	<i>Kadua haupuensis</i>	Endangered
Plant-Dicot	728	No common name	<i>Kadua parvula</i>	Endangered
Plant-Dicot	729	No common name	<i>Kadua st.-johnii</i>	Endangered
Plant-Dicot	4487	No common name	<i>Keysseria</i> (=Lagenifera) <i>erici</i>	Endangered
Plant-Dicot	8254	No common name	<i>Keysseria</i> (=Lagenifera) <i>helenae</i>	Endangered
Plant-Dicot	10599	No common name	<i>Labordia lorenciana</i>	Endangered
Plant-Dicot	10593	No common name	<i>Lepidium orbiculare</i>	Endangered
Plant-Dicot	1124	No common name	<i>Leptocereus grantianus</i>	Endangered
Plant-Dicot	572	No common name	<i>Lobelia koolauensis</i>	Endangered
Plant-Dicot	965	No common name	<i>Lobelia monostachya</i>	Endangered
Plant-Dicot	758	No common name	<i>Lobelia niihauensis</i>	Endangered
Plant-Dicot	759	No common name	<i>Lobelia oahuensis</i>	Endangered
Plant-Dicot	1127	No common name	<i>Lyonia truncata</i> var. <i>proctorii</i>	Endangered
Plant-Dicot	968	No common name	<i>Lysimachia filifolia</i>	Endangered
Plant-Dicot	9956	No common name	<i>Lysimachia iniki</i>	Endangered
Plant-Dicot	1128	No common name	<i>Lysimachia lydgatei</i>	Endangered
Plant-Dicot	1129	No common name	<i>Lysimachia maxima</i>	Endangered
Plant-Dicot	9957	No common name	<i>Lysimachia pendens</i>	Endangered
Plant-Dicot	9958	No common name	<i>Lysimachia scopulensis</i>	Endangered
Plant-Dicot	5104	No common name	<i>Lysimachia venosa</i>	Endangered
Plant-Dicot	10723	No common name	<i>Maesa walkeri</i>	Threatened
Plant-Dicot	8303	No common name	<i>Melicope cornuta</i> var. <i>cornuta</i>	Endangered
Plant-Dicot	7046	No common name	<i>Melicope cornuta</i> var. <i>decurrens</i>	Endangered
Plant-Dicot	5709	No common name	<i>Melicope remyi</i>	Endangered
Plant-Dicot	970	No common name	<i>Mitracarpus maxwelliae</i>	Endangered
Plant-Dicot	971	No common name	<i>Mitracarpus polycladus</i>	Threatened
Plant-Dicot	1033	No common name	<i>Myrcia paganii</i>	Endangered
Plant-Dicot	1226	No common name	<i>Neraudia angulata</i>	Endangered
Plant-Dicot	581	No common name	<i>Neraudia ovata</i>	Endangered
Plant-Dicot	779	No common name	<i>Neraudia sericea</i>	Endangered
Plant-Dicot	1264	No common name	<i>Nesogenes rotensis</i>	Endangered
Plant-Dicot	1265	No common name	<i>Osmoxylon mariannense</i>	Endangered
Plant-Dicot	10725	No common name	<i>Phyllanthus saffordii</i>	Endangered

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa Group	Entity ID	Common Name	Scientific Name	Species Status
Plant-Dicot	2934	No common name	<i>Phyllostegia bracteata</i>	Endangered
Plant-Dicot	3592	No common name	<i>Phyllostegia brevidens</i>	Endangered
Plant-Dicot	4533	No common name	<i>Phyllostegia floribunda</i>	Endangered
Plant-Dicot	799	No common name	<i>Phyllostegia glabra</i> var. <i>lanaiensis</i>	Endangered
Plant-Dicot	10230	No common name	<i>Phyllostegia haliakalae</i>	Endangered
Plant-Dicot	4754	No common name	<i>Phyllostegia helleri</i>	Endangered
Plant-Dicot	589	No common name	<i>Phyllostegia hirsuta</i>	Endangered
Plant-Dicot	7229	No common name	<i>Phyllostegia hispida</i>	Endangered
Plant-Dicot	1184	No common name	<i>Phyllostegia kaalaensis</i>	Endangered
Plant-Dicot	590	No common name	<i>Phyllostegia knudsenii</i>	Endangered
Plant-Dicot	1163	No common name	<i>Phyllostegia mannii</i>	Endangered
Plant-Dicot	981	No common name	<i>Phyllostegia mollis</i>	Endangered
Plant-Dicot	591	No common name	<i>Phyllostegia parviflora</i>	Endangered
Plant-Dicot	10231	No common name	<i>Phyllostegia pilosa</i>	Endangered
Plant-Dicot	9960	No common name	<i>Phyllostegia renovans</i>	Endangered
Plant-Dicot	7254	No common name	<i>Phyllostegia stachyoides</i>	Endangered
Plant-Dicot	1137	No common name	<i>Phyllostegia velutina</i>	Endangered
Plant-Dicot	1135	No common name	<i>Phyllostegia waimeae</i>	Endangered
Plant-Dicot	1138	No common name	<i>Phyllostegia warshaueri</i>	Endangered
Plant-Dicot	1139	No common name	<i>Phyllostegia wawrana</i>	Endangered
Plant-Dicot	7886	No common name	<i>Polyscias bisattenuata</i>	Endangered
Plant-Dicot	9961	No common name	<i>Polyscias flynnii</i>	Endangered
Plant-Dicot	7367	No common name	<i>Polyscias lydgatei</i>	Endangered
Plant-Dicot	778	No common name	<i>Polyscias racemosa</i>	Endangered
Plant-Dicot	814	No common name	<i>Remya kauaiensis</i>	Endangered
Plant-Dicot	1083	No common name	<i>Remya montgomeryi</i>	Endangered
Plant-Dicot	1146	No common name	<i>Sanicula mariversa</i>	Endangered
Plant-Dicot	601	No common name	<i>Sanicula purpurea</i>	Endangered
Plant-Dicot	3784	No common name	<i>Sanicula sandwicensis</i>	Endangered
Plant-Dicot	10584	No common name	<i>Santalum involutum</i>	Endangered
Plant-Dicot	2404	No common name	<i>Schiedea attenuata</i>	Endangered
Plant-Dicot	10483	No common name	<i>Schiedea diffusa</i> ssp. <i>macraei</i>	Endangered
Plant-Dicot	10591	No common name	<i>Schiedea diffusa</i> subsp. <i>diffusa</i>	Endangered
Plant-Dicot	1066	No common name	<i>Schiedea haleakalensis</i>	Endangered
Plant-Dicot	1067	No common name	<i>Schiedea helleri</i>	Endangered
Plant-Dicot	602	No common name	<i>Schiedea hookeri</i>	Endangered

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa Group	Entity ID	Common Name	Scientific Name	Species Status
Plant-Dicot	10232	No common name	<i>Schiedea jacobii</i>	Endangered
Plant-Dicot	822	No common name	<i>Schiedea kaalae</i>	Endangered
Plant-Dicot	1147	No common name	<i>Schiedea kauaiensis</i>	Endangered
Plant-Dicot	10233	No common name	<i>Schiedea laui</i>	Endangered
Plant-Dicot	1068	No common name	<i>Schiedea lydgatei</i>	Endangered
Plant-Dicot	604	No common name	<i>Schiedea membranacea</i>	Endangered
Plant-Dicot	1148	No common name	<i>Schiedea nuttallii</i>	Endangered
Plant-Dicot	622	No common name	<i>Schiedea obovata</i>	Endangered
Plant-Dicot	4030	No common name	<i>Schiedea salicaria</i>	Endangered
Plant-Dicot	605	No common name	<i>Schiedea sarmentosa</i>	Endangered
Plant-Dicot	1069	No common name	<i>Schiedea spergulina</i> var. <i>leiopoda</i>	Endangered
Plant-Dicot	1070	No common name	<i>Schiedea spergulina</i> var. <i>spergulina</i>	Threatened
Plant-Dicot	623	No common name	<i>Schiedea trinervis</i>	Endangered
Plant-Dicot	606	No common name	<i>Schiedea verticillata</i>	Endangered
Plant-Dicot	1075	No common name	<i>Schiedea viscosa</i>	Endangered
Plant-Dicot	1072	No common name	<i>Schoepfia arenaria</i>	Threatened
Plant-Dicot	10585	No common name	<i>Sicyos lanceoloideus</i>	Endangered
Plant-Dicot	829	No common name	<i>Silene alexandri</i>	Endangered
Plant-Dicot	1001	No common name	<i>Silene hawaiiensis</i>	Threatened
Plant-Dicot	830	No common name	<i>Silene lanceolata</i>	Endangered
Plant-Dicot	1152	No common name	<i>Silene perlmanii</i>	Endangered
Plant-Dicot	1154	No common name	<i>Spermolepis</i> <i>hawaiiensis</i>	Endangered
Plant-Dicot	838	No common name	<i>Stenogyne angustifolia</i> var. <i>angustifolia</i>	Endangered
Plant-Dicot	1155	No common name	<i>Stenogyne bifida</i>	Endangered
Plant-Dicot	1156	No common name	<i>Stenogyne campanulata</i>	Endangered
Plant-Dicot	6257	No common name	<i>Stenogyne cranwelliae</i>	Endangered
Plant-Dicot	4297	No common name	<i>Stenogyne kaalae</i> ssp. <i>sherffii</i>	Endangered
Plant-Dicot	839	No common name	<i>Stenogyne kanehoana</i>	Endangered
Plant-Dicot	10234	No common name	<i>Stenogyne kauaulaensis</i>	Endangered
Plant-Dicot	2517	No common name	<i>Stenogyne kealiae</i>	Endangered
Plant-Dicot	1266	No common name	<i>Tabernaemontana</i> <i>rotensis</i>	Threatened
Plant-Dicot	1007	No common name	<i>Ternstroemia</i> <i>subsessilis</i>	Endangered
Plant-Dicot	845	No common name	<i>Tetramolopium</i> <i>arenarium</i>	Endangered

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa Group	Entity ID	Common Name	Scientific Name	Species Status
Plant-Dicot	847	No common name	<i>Tetramolopium filiforme</i>	Endangered
Plant-Dicot	848	No common name	<i>Tetramolopium lepidotum</i> ssp. <i>lepidotum</i>	Endangered
Plant-Dicot	849	No common name	<i>Tetramolopium remyi</i>	Endangered
Plant-Dicot	850	No common name	<i>Tetramolopium rockii</i>	Threatened
Plant-Dicot	11340	No common name	<i>Tinospora homosepala</i>	Endangered
Plant-Dicot	1157	No common name	<i>Trematolobelia singularis</i>	Endangered
Plant-Dicot	3267	No common name	<i>Varronia rupicola</i>	Threatened
Plant-Dicot	1158	No common name	<i>Vernonia proctorii</i>	Endangered
Plant-Dicot	862	No common name	<i>Vigna o-wahuensis</i>	Endangered
Plant-Dicot	864	No common name	<i>Viola helenae</i>	Endangered
Plant-Dicot	866	No common name	<i>Viola lanaiensis</i>	Endangered
Plant-Dicot	867	No common name	<i>Viola oahuensis</i>	Endangered
Plant-Dicot	7840	No common name	<i>Wikstroemia skottsbergiana</i>	Endangered
Plant-Dicot	4238	No common name	<i>Wikstroemia villosa</i>	Endangered
Plant-Dicot	1016	No common name	<i>Xylosma crenatum</i>	Endangered
Plant-Dicot	717	Nohoanu	<i>Geranium arboreum</i>	Endangered
Plant-Dicot	2758	Nohoanu	<i>Geranium hanaense</i>	Endangered
Plant-Dicot	3653	Nohoanu	<i>Geranium hillebrandii</i>	Endangered
Plant-Dicot	4630	Nohoanu	<i>Geranium kauaiense</i>	Endangered
Plant-Dicot	939	Nohoanu	<i>Geranium multiflorum</i>	Endangered
Plant-Dicot	693	Oha	<i>Delissea subcordata</i>	Endangered
Plant-Dicot	533	‘Oha wai	<i>Clermontia drepanomorpha</i>	Endangered
Plant-Dicot	671	‘Oha wai	<i>Clermontia lindseyana</i>	Endangered
Plant-Dicot	1097	‘Oha wai	<i>Clermontia oblongifolia</i> ssp. <i>brevipes</i>	Endangered
Plant-Dicot	1098	‘Oha wai	<i>Clermontia oblongifolia</i> ssp. <i>mauiensis</i>	Endangered
Plant-Dicot	672	‘Oha wai	<i>Clermontia peleana</i>	Endangered
Plant-Dicot	673	‘Oha wai	<i>Clermontia pyrularia</i>	Endangered
Plant-Dicot	1188	‘Oha wai	<i>Clermontia samuelii</i>	Endangered
Plant-Dicot	999	Ohai	<i>Sesbania tomentosa</i>	Endangered
Plant-Dicot	851	‘Ohe‘ohe	<i>Polyscias gymnocarpa</i>	Endangered
Plant-Dicot	649	Olulu	<i>Brighamia insignis</i>	Endangered
Plant-Dicot	860	Opuhe	<i>Urera kaalae</i>	Endangered

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa Group	Entity ID	Common Name	Scientific Name	Species Status
Plant-Dicot	529	Orcutt's spineflower	<i>Chorizanthe orcuttiana</i>	Endangered
Plant-Dicot	988	Otay mesa-mint	<i>Pogogyne nudiuscula</i>	Endangered
Plant-Dicot	559	Otay tarplant	<i>Deinandra</i> (= <i>Hemizonia</i>) <i>conjugens</i>	Threatened
Plant-Dicot	505	Pallid manzanita	<i>Arctostaphylos pallida</i>	Threatened
Plant-Dicot	505	Pallid manzanita	<i>Arctostaphylos pallida</i>	Threatened
Plant-Dicot	679	Palmate-bracted bird's beak	<i>Cordylanthus palmatus</i>	Endangered
Plant-Dicot	1006	Palo colorado	<i>Ternstroemia</i> <i>luquillensis</i>	Endangered
Plant-Dicot	1040	Palo de jazmin	<i>Styrax portoricensis</i>	Endangered
Plant-Dicot	909	Palo de nigua	<i>Cornutia obovata</i>	Endangered
Plant-Dicot	890	Palo de ramon	<i>Banara vanderbiltii</i>	Endangered
Plant-Dicot	975	Palo de rosa	<i>Ottoschulzia</i> <i>rhodoxylon</i>	Threatened
Plant-Dicot	846	Pamakani	<i>Tetramolopium</i> <i>capillare</i>	Endangered
Plant-Dicot	863	Pamakani	<i>Viola chamissoniana</i> ssp. <i>chamissoniana</i>	Endangered
Plant-Dicot	3388	Papala	<i>Charpentiera densiflora</i>	Endangered
Plant-Dicot	928	Parish's daisy	<i>Erigeron parishii</i>	Threatened
Plant-Dicot	10722	Paudedo	<i>Hedyotis megalantha</i>	Endangered
Plant-Dicot	1000	Pedate checker-mallow	<i>Sidalcea pedata</i>	Endangered
Plant-Dicot	1023	Pennell's bird's-beak	<i>Cordylanthus tenuis</i> ssp. <i>capillaris</i>	Endangered
Plant-Dicot	727	Pilo	<i>Kadua laxiflora</i>	Endangered
Plant-Dicot	3387	Pilo kea lau li'i	<i>Melicope rostrata</i>	Endangered
Plant-Dicot	525	Pine Hill ceanothus	<i>Ceanothus roderickii</i>	Endangered
Plant-Dicot	550	Pine Hill flannelbush	<i>Fremontodendron</i> <i>californicum</i> ssp. <i>decumbens</i>	Endangered
Plant-Dicot	670	Pismo clarkia	<i>Clarkia speciosa</i> ssp. <i>immaculata</i>	Endangered
Plant-Dicot	806	Po'e	<i>Portulaca sclerocarpa</i>	Endangered
Plant-Dicot	5956	Popolo	<i>Cyanea solanacea</i>	Endangered
Plant-Dicot	6870	Popolo	<i>Solanum nelsonii</i>	Endangered
Plant-Dicot	832	Popolo ku mai	<i>Solanum incompletum</i>	Endangered
Plant-Dicot	669	Presidio clarkia	<i>Clarkia franciscana</i>	Endangered

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa Group	Entity ID	Common Name	Scientific Name	Species Status
Plant-Dicot	632	Presidio manzanita	<i>Arctostaphylos hookeri</i> var. <i>ravenii</i>	Endangered
Plant-Dicot	650	Pua 'ala	<i>Brighamia rockii</i>	Endangered
Plant-Dicot	1013	Red Hills vervain	<i>Verbena californica</i>	Threatened
Plant-Dicot	10290	Robust spineflower	<i>Chorizanthe robusta</i> var. <i>robusta</i>	Endangered
Plant-Dicot	874	Round-leaved chaff-flower	<i>Achyranthes splendens</i> var. <i>rotundata</i>	Endangered
Plant-Dicot	678	Salt marsh bird's-beak	<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>	Endangered
Plant-Dicot	958	San Bernardino Mountains bladderpod	<i>Lesquerella kingii</i> ssp. <i>bernardina</i>	Endangered
Plant-Dicot	571	San Clemente Island woodland-star	<i>Lithophragma maximum</i>	Endangered
Plant-Dicot	500	San Diego ambrosia	<i>Ambrosia pumila</i>	Endangered
Plant-Dicot	711	San Diego button-celery	<i>Eryngium aristulatum</i> var. <i>parishii</i>	Endangered
Plant-Dicot	802	San Diego mesa-mint	<i>Pogogyne abramsii</i>	Endangered
Plant-Dicot	496	San Diego thornmint	<i>Acanthomintha ilicifolia</i>	Threatened
Plant-Dicot	1167	San Francisco lessingia	<i>Lessingia germanorum</i> (=L.g. var. <i>germanorum</i>)	Endangered
Plant-Dicot	1090	San Jacinto Valley crownscale	<i>Atriplex coronata</i> var. <i>notatior</i>	Endangered
Plant-Dicot	600	San Joaquin adobe sunburst	<i>Pseudobahia peirsonii</i>	Threatened
Plant-Dicot	1123	San Joaquin wooly-threads	<i>Monolopia</i> (=Lembertia) <i>congdonii</i>	Endangered
Plant-Dicot	873	San Mateo thornmint	<i>Acanthomintha obovata</i> ssp. <i>duttonii</i>	Endangered
Plant-Dicot	1056	San Mateo woolly sunflower	<i>Eriophyllum latilobum</i>	Endangered
Plant-Dicot	927	Santa Ana River woolly-star	<i>Eriastrum densifolium</i> ssp. <i>sanctorum</i>	Endangered
Plant-Dicot	698	Santa Barbara Island liveforever	<i>Dudleya traskiae</i>	Endangered
Plant-Dicot	1115	Santa Clara Valley dudleya	<i>Dudleya setchellii</i>	Endangered
Plant-Dicot	574	Santa Cruz Island bush-mallow	<i>Malacothamnus fasciculatus</i> var. <i>nesioticus</i>	Endangered

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa Group	Entity ID	Common Name	Scientific Name	Species Status
Plant-Dicot	1011	Santa Cruz Island fringepod	<i>Thysanocarpus conchuliferus</i>	Endangered
Plant-Dicot	1130	Santa Cruz Island malacothrix	<i>Malacothrix indecora</i>	Endangered
Plant-Dicot	609	Santa Cruz Island rockcress	<i>Sibara filifolia</i>	Endangered
Plant-Dicot	562	Santa Cruz tarplant	<i>Holocarpha macradenia</i>	Threatened
Plant-Dicot	1168	Santa Monica Mountains dudleyea	<i>Dudleya cymosa ssp. ovatifolia</i>	Threatened
Plant-Dicot	503	Santa Rosa Island manzanita	<i>Arctostaphylos confertiflora</i>	Endangered
Plant-Dicot	1267	Scotts Valley polygonum	<i>Polygonum hickmanii</i>	Endangered
Plant-Dicot	1378	Scotts Valley spineflower	<i>Chorizanthe robusta var. hartwegii</i>	Endangered
Plant-Dicot	10229	Sea bean	<i>Mucuna persericea</i>	Endangered
Plant-Dicot	754	Sebastopol meadowfoam	<i>Limnanthes vinculans</i>	Endangered
Plant-Dicot	855	Showy Indian clover	<i>Trifolium amoenum</i>	Endangered
Plant-Dicot	1053	Slender-horned spineflower	<i>Dodecahema leptoceras</i>	Endangered
Plant-Dicot	1009	Slender-petaled mustard	<i>Thelypodium stenopetalum</i>	Endangered
Plant-Dicot	534	Soft bird's-beak	<i>Cordylanthus mollis ssp. mollis</i>	Endangered
Plant-Dicot	524	Soft-leaved paintbrush	<i>Castilleja mollis</i>	Endangered
Plant-Dicot	666	Sonoma spineflower	<i>Chorizanthe valida</i>	Endangered
Plant-Dicot	647	Sonoma sunshine	<i>Blennosperma bakeri</i>	Endangered
Plant-Dicot	548	Southern mountain wild-buckwheat	<i>Eriogonum kennedyi var. austromontanum</i>	Threatened
Plant-Dicot	972	Spreading navarretia	<i>Navarretia fossalis</i>	Threatened
Plant-Dicot	1022	Springville clarkia	<i>Clarkia springvillensis</i>	Threatened
Plant-Dicot	1018	St. Thomas prickly-ash	<i>Zanthoxylum thomasianum</i>	Endangered
Plant-Dicot	520	Stebbins' morning-glory	<i>Calystegia stebbinsii</i>	Endangered
Plant-Dicot	530	Suisun thistle	<i>Cirsium hydrophilum var. hydrophilum</i>	Endangered
Plant-Dicot	842	Tiburon jewelflower	<i>Streptanthus niger</i>	Endangered
Plant-Dicot	652	Tiburon mariposa lily	<i>Calochortus tiburonensis</i>	Threatened

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa Group	Entity ID	Common Name	Scientific Name	Species Status
Plant-Dicot	898	Tiburon paintbrush	<i>Castilleja affinis</i> ssp. <i>neglecta</i>	Endangered
Plant-Dicot	1089	Triple-ribbed milk-vetch	<i>Astragalus tricarinatus</i>	Endangered
Plant-Dicot	3999	Ufa-halomtano	<i>Heritiera longipetiolata</i>	Endangered
Plant-Dicot	518	Uhiuhi	<i>Mezoneuron kavaense</i>	Endangered
Plant-Dicot	936	Uvillo	<i>Eugenia haematocarpa</i>	Endangered
Plant-Dicot	893	Vahl's boxwood	<i>Buxus vahlia</i>	Endangered
Plant-Dicot	1166	Vail Lake ceanothus	<i>Ceanothus ophioides</i>	Threatened
Plant-Dicot	10076	Vandenberg monkeyflower	<i>Diplacus vandenbergensis</i>	Endangered
Plant-Dicot	511	Ventura Marsh Milk-vetch	<i>Astragalus pycnostachyus</i> var. <i>lanosissimus</i>	Endangered
Plant-Dicot	1025	Verity's dudleya	<i>Dudleya verityi</i>	Threatened
Plant-Dicot	532	Vine Hill clarkia	<i>Clarkia imbricata</i>	Endangered
Plant-Dicot	1121	West Indian walnut (=Nogal)	<i>Juglans jamaicensis</i>	Endangered
Plant-Dicot	980	Wheeler's peperomia	<i>Peperomia wheeleri</i>	Endangered
Plant-Dicot	979	White-rayed pentachaeta	<i>Pentachaeta bellidiflora</i>	Endangered
Plant-Dicot	576	Willow monardella	<i>Monardella viminea</i>	Endangered
Plant-Dicot	540	Yellow larkspur	<i>Delphinium luteum</i>	Endangered
Plant-Dicot	588	Yreka phlox	<i>Phlox hirsuta</i>	Endangered
Plant-Monocot	785	California Orcutt grass	<i>Orcuttia californica</i>	Endangered
Plant-Monocot	788	Carter's panicgrass	<i>Panicum fauriei</i> var. <i>carteri</i>	Endangered
Plant-Monocot	10719	Cebello halumtano	<i>Bulbophyllum guamense</i>	Threatened
Plant-Monocot	517	Chinese Camp brodiaea	<i>Brodiaea pallida</i>	Threatened
Plant-Monocot	985	Chupacallos	<i>Pleodendron macranthum</i>	Endangered
Plant-Monocot	580	Colusa grass	<i>Neostapfia colusana</i>	Threatened
Plant-Monocot	545	Fosberg's love grass	<i>Eragrostis fosbergii</i>	Endangered
Plant-Monocot	858	Greene's tuctoria	<i>Tuctoria greenei</i>	Endangered
Plant-Monocot	582	Hairy Orcutt grass	<i>Orcuttia pilosa</i>	Endangered
Plant-Monocot	1497	Hala pepe	<i>Dracaena fernaldii</i>	Endangered
Plant-Monocot	3737	Hala pepe	<i>Dracaena forbesii</i>	Endangered
Plant-Monocot	1141	Hala pepe	<i>Dracaena konaensis</i>	Endangered
Plant-Monocot	801	Hawaiian bluegrass	<i>Poa sandwicensis</i>	Endangered
Plant-Monocot	6632	Hillebrand's reedgrass	<i>Calamagrostis hillebrandii</i>	Endangered

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa Group	Entity ID	Common Name	Scientific Name	Species Status
Plant-Monocot	951	Hilo ischaemum	<i>Ischaemum byrone</i>	Endangered
Plant-Monocot	659	Kamanomano	<i>Cenchrus agrimonioides</i>	Endangered
Plant-Monocot	584	Lau ‘ehu	<i>Panicum niihauense</i>	Endangered
Plant-Monocot	597	Lo‘ulu	<i>Pritchardia aylmer-robinsonii</i>	Endangered
Plant-Monocot	10590	Lo‘ulu	<i>Pritchardia bakeri</i>	Endangered
Plant-Monocot	1062	Lo‘ulu	<i>Pritchardia kaalae</i>	Endangered
Plant-Monocot	3054	Lo‘ulu	<i>Pritchardia lanigera</i>	Endangered
Plant-Monocot	1142	Lo‘ulu	<i>Pritchardia maideniana</i>	Endangered
Plant-Monocot	808	Lo‘ulu	<i>Pritchardia munroi</i>	Endangered
Plant-Monocot	1143	Lo‘ulu	<i>Pritchardia napaliensis</i>	Endangered
Plant-Monocot	598	Lo‘ulu	<i>Pritchardia remota</i>	Endangered
Plant-Monocot	1063	Lo‘ulu	<i>Pritchardia schattaueri</i>	Endangered
Plant-Monocot	1144	Lo‘ulu	<i>Pritchardia viscosa</i>	Endangered
Plant-Monocot	986	Mann’s bluegrass	<i>Poa mannii</i>	Endangered
Plant-Monocot	7116	Maui reedgrass	<i>Calamagrostis expansa</i>	Endangered
Plant-Monocot	1074	Munz's onion	<i>Allium munzii</i>	Endangered
Plant-Monocot	595	Napa bluegrass	<i>Poa napensis</i>	Endangered
Plant-Monocot	3671	No common name	<i>Agave eggersiana</i>	Endangered
Plant-Monocot	1085	No common name	<i>Aristida chaseae</i>	Endangered
Plant-Monocot	1160	No common name	<i>Cranichis ricartii</i>	Endangered
Plant-Monocot	1131	No common name	<i>Cyperus fauriei</i>	Endangered
Plant-Monocot	1407	No common name	<i>Cyperus neokunthianus</i>	Endangered
Plant-Monocot	1032	No common name	<i>Cyperus pennatifolius</i>	Endangered
Plant-Monocot	10720	No common name	<i>Dendrobium guamense</i>	Threatened
Plant-Monocot	6176	No common name	<i>Festuca hawaiiensis</i>	Endangered
Plant-Monocot	10235	No common name	<i>Festuca molokaiensis</i>	Endangered
Plant-Monocot	10724	No common name	<i>Nervilia jacksoniae</i>	Threatened
Plant-Monocot	983	No common name	<i>Platanthera holochila</i>	Endangered
Plant-Monocot	987	No common name	<i>Poa siphonoglossa</i>	Endangered
Plant-Monocot	10728	No common name	<i>Tuberolabium guamense</i>	Threatened
Plant-Monocot	1709	‘Ohe	<i>Joinvillea ascendens ascendens</i>	Endangered
Plant-Monocot	6845	Pa‘iniu	<i>Astelia waialealae</i>	Endangered
Plant-Monocot	896	Palma de manaca	<i>Calyptronomia rivalis</i>	Threatened
Plant-Monocot	883	Pelos del diablo	<i>Aristida portoricensis</i>	Endangered
Plant-Monocot	570	Pitkin Marsh lily	<i>Lilium pardalinum ssp. pitkinense</i>	Endangered

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa Group	Entity ID	Common Name	Scientific Name	Species Status
Plant-Monocot	528	Purple amole	<i>Chlorogalum purpureum</i>	Threatened
Plant-Monocot	1108	Pu'uka'a	<i>Cyperus trachysanthos</i>	Endangered
Plant-Monocot	787	Sacramento Orcutt grass	<i>Orcuttia viscida</i>	Endangered
Plant-Monocot	594	San Bernardino bluegrass	<i>Poa atropurpurea</i>	Endangered
Plant-Monocot	786	San Joaquin Valley Orcutt grass	<i>Orcuttia inaequalis</i>	Threatened
Plant-Monocot	859	Solano grass	<i>Tuctoria mucronata</i>	Endangered
Plant-Monocot	498	Sonoma alopecurus	<i>Alopecurus aequalis</i> var. <i>sonomensis</i>	Endangered
Plant-Monocot	516	Thread-leaved brodiaea	<i>Brodiaea filifolia</i>	Threatened
Plant-Monocot	521	White sedge	<i>Carex albida</i>	Endangered
Plant-Monocot	1171	Yadon's piperia	<i>Piperia yadonii</i>	Endangered
Plant-Other	1201	Aleutian shield fern	<i>Polystichum aleuticum</i>	Endangered
Plant-Other	1196	Asplenium-leaved diellia	<i>Asplenium dielerectum</i>	Endangered
Plant-Other	1206	Elfin tree fern	<i>Cyathea dryopteroides</i>	Endangered
Plant-Other	10729	Fadang	<i>Cycas micronesica</i>	Threatened
Plant-Other	2782	Hohiu	<i>Dryopteris glabra</i> var. <i>pusilla</i>	Endangered
Plant-Other	1200	Ihi'ihii	<i>Marsilea villosa</i>	Endangered
Plant-Other	1311	Kupukupu makali'i	<i>Menisciopsis boydiae</i>	Endangered
Plant-Other	1197	No common name	<i>Asplenium</i> (=Diellia) <i>dielfalcatum</i> (=falcata)	Endangered
Plant-Other	10586	No common name	<i>Asplenium diellaciniatum</i>	Endangered
Plant-Other	7529	No common name	<i>Asplenium dielmannii</i>	Endangered
Plant-Other	1218	No common name	<i>Asplenium dielpallidum</i>	Endangered
Plant-Other	1194	No common name	<i>Asplenium peruvianum</i> var. <i>insulare</i>	Endangered
Plant-Other	1211	No common name	<i>Asplenium unisorum</i>	Endangered
Plant-Other	10587	No common name	<i>Deparia kaalaana</i>	Endangered
Plant-Other	1198	No common name	<i>Diplazium molokaiense</i>	Endangered
Plant-Other	9962	No common name	<i>Doryopteris angelica</i>	Endangered
Plant-Other	2268	No common name	<i>Doryopteris takeuchii</i>	Endangered
Plant-Other	1212	No common name	<i>Elaphoglossum serpens</i>	Endangered
Plant-Other	1840	No common name	<i>Microlepia strigosa</i> var. <i>mauiensis</i>	Endangered
Plant-Other	4680	No common name	<i>Phlegmariurus stemmermanniae</i>	Endangered
Plant-Other	1213	No common name	<i>Polystichum calderonense</i>	Endangered

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa Group	Entity ID	Common Name	Scientific Name	Species Status
Plant-Other	1202	No common name	<i>Pteris lidgatei</i>	Endangered
Plant-Other	1214	No common name	<i>Tectaria estremarana</i>	Endangered
Plant-Other	1215	No common name	<i>Thelypteris inabonensis</i>	Endangered
Plant-Other	1216	No common name	<i>Thelypteris verecunda</i>	Endangered
Plant-Other	1217	No common name	<i>Thelypteris yaucoensis</i>	Endangered
Plant-Other	10594	Olua	<i>Hypolepis hawaiiensis</i> var. <i>mauiensis</i>	Endangered
Plant-Other	1193	Palai la'au	<i>Adenophorus periens</i>	Endangered
Plant-Other	9963	Palapalai aumakua	<i>Dryopteris crinalis</i> var. <i>podosorus</i>	Endangered
Plant-Other	1205	Pauoa	<i>Ctenitis squamigera</i>	Endangered
Plant-Other	1190	Santa Cruz cypress	<i>Cupressus abramsiana</i>	Threatened
Plant-Other	1207	Wawae'iole	<i>Phlegmariurus mannii</i>	Endangered
Plant-Other	1208	Wawae'iole	<i>Phlegmariurus nutans</i>	Endangered
Reptiles	183	Alameda whipsnake (=striped racer)	<i>Masticophis lateralis euryxanthus</i>	Threatened
Reptiles	151	Blunt-nosed leopard lizard	<i>Gambelia silus</i>	Endangered
Reptiles	175	Coachella Valley fringe-toed lizard	<i>Uma inornata</i>	Threatened
Reptiles	162	Culebra Island giant anole	<i>Anolis roosevelti</i>	Endangered
Reptiles	187	Giant garter snake	<i>Thamnophis gigas</i>	Threatened
Reptiles	10485	Green sea turtle	<i>Chelonia mydas</i>	Threatened
Reptiles	11175	Green sea turtle	<i>Chelonia mydas</i>	Endangered
Reptiles	11176	Green sea turtle	<i>Chelonia mydas</i>	Endangered
Reptiles	11193	Green sea turtle	<i>Chelonia mydas</i>	Threatened
Reptiles	164	Mona boa	<i>Epicrates monensis monensis</i>	Threatened
Reptiles	165	Mona ground iguana	<i>Cyclura stejnegeri</i>	Threatened
Reptiles	160	Olive Ridley sea turtle	<i>Lepidochelys olivacea</i>	Threatened
Reptiles	5989	Olive Ridley sea turtle	<i>Lepidochelys olivacea</i>	Endangered
Reptiles	156	Puerto Rican boa	<i>Chilabothrus inornatus</i>	Endangered
Reptiles	152	San Francisco gartersnake	<i>Thamnophis sirtalis tetrataenia</i>	Endangered
Reptiles	10732	Slevin's skink	<i>Emoia slevini</i>	Endangered
Reptiles	5248	Southwestern pond turtle	<i>Actinemys pallida</i>	Proposed Threatened
Reptiles	163	St. Croix ground lizard	<i>Ameiva polops</i>	Endangered
Reptiles	174	Virgin Islands tree boa	<i>Chilabothrus granti</i>	Endangered
Snails	1862	Fragile tree snail	<i>Samoana fragilis</i>	Endangered
Snails	7907	Guam tree snail	<i>Partula radiolata</i>	Endangered

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa Group	Entity ID	Common Name	Scientific Name	Species Status
Snails	2364	Humped tree snail	<i>Partula gibba</i>	Endangered
Snails	1989	Lanai tree snail	<i>Partulina semicarinata</i>	Endangered
Snails	3385	Lanai tree snail	<i>Partulina variabilis</i>	Endangered
Snails	7731	Langford's tree snail	<i>Partula langfordi</i>	Endangered
Snails	418	Newcomb's snail	<i>Erinna newcombi</i>	Threatened
Snails	3876	Newcomb's tree snail	<i>Newcombia cumingi</i>	Endangered
Snails	397	Oahu tree snails	<i>Achatinella</i> spp.	Endangered
Snails	7918	Snail [no common name]	<i>Eua zebrina</i>	Endangered
Snails	3224	Snail [no common name]	<i>Ostodes strigatus</i>	Endangered

Table 3. Designated and proposed critical habitats with “no effect” determinations.

Taxa	Entity ID	Common Name	Scientific Name	Critical Habitat Status
Amphibians	204	Arroyo toad	<i>Anaxyrus californicus</i>	Final
Amphibians	205	California red-legged frog	<i>Rana draytonii</i>	Final
Amphibians	4773	California tiger salamander (Central CA DPS)	<i>Ambystoma californiense</i>	Final
Amphibians	8395	California tiger salamander (Santa Barbara Co. DPS)	<i>Ambystoma californiense</i>	Final
Amphibians	203	California tiger salamander (Sonoma Co. DPS)	<i>Ambystoma californiense</i>	Final
Amphibians	193	Golden coqui	<i>Eleutherodactylus jasperii</i>	Final
Amphibians	196	Guajón	<i>Eleutherodactylus cookii</i>	Final
Amphibians	8302	Kern Canyon slender salamander	<i>Batrachoseps simatus</i>	Proposed
Amphibians	9378	Llanero coqui	<i>Eleutherodactylus juanariveroi</i>	Final
Amphibians	1740	Mountain yellow-legged frog (Northern DPS)	<i>Rana muscosa</i>	Final
Amphibians	207	Mountain yellow-legged frog (Southern DPS)	<i>Rana muscosa</i>	Final
Amphibians	5688	Relictual slender salamander	<i>Batrachoseps relictus</i>	Proposed
Amphibians	188	Santa Cruz long-toed salamander	<i>Ambystoma macrodactylum croceum</i>	Proposed
Amphibians	1707	Yosemite toad	<i>Anaxyrus canorus</i>	Final
Arachnids	473	Government Canyon Bat Cave meshweaver	<i>Cicurina vespera</i>	Final
Arachnids	470	Government Canyon Bat Cave spider	<i>Tayshaneta microps</i>	Final
Arachnids	463	Kauai cave wolf or pe‘e pe‘e maka ‘ole spider	<i>Adelocosa anops</i>	Final
Birds	6522	Akekee	<i>Loxops caeruleirostris</i>	Final
Birds	4136	Akikiki	<i>Oreomystis bairdi</i>	Final
Birds	74	‘Akohekohe (crested honeycreeper)	<i>Palmeria dolei</i>	Final
Birds	66	California condor	<i>Gymnogyps californianus</i>	Final
Birds	145	Coastal California gnatcatcher	<i>Polioptila californica californica</i>	Final
Birds	4237	Elfin-woods warbler	<i>Setophaga angelae</i>	Final

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa	Entity ID	Common Name	Scientific Name	Critical Habitat Status
Birds	119	Guam kingfisher	<i>Todiramphus cinnamominus</i>	Final
Birds	10073	‘I‘iwi	<i>Drepanis coccinea</i>	Proposed
Birds			<i>Melospiza crissalis eremophilus</i>	Final
	137	Inyo California towhee		
Birds	118	Mariana (=aga) crow	<i>Corvus kubaryi</i>	Final
			<i>Pseudonestor xanthophrys</i>	
Birds	81	Maui parrotbill (Kiwikiu)		Final
Birds	150	Oahu elepaio	<i>Chasiempis ibidis</i>	Final
Birds	79	Palila (honeycreeper)	<i>Loxioides bailleui</i>	Final
Birds	1241	Rota bridled white-eye	<i>Zosterops rotensis</i>	Final
Birds	146	Spectacled eider	<i>Somateria fischeri</i>	Final
Birds	147	Steller's eider	<i>Polysticta stelleri</i>	Final
		Yellow-shouldered blackbird	<i>Agelaius xanthomus</i>	
Birds	117			Final
Crustaceans			<i>Branchinecta conservatio</i>	Final
	490	Conservancy fairy shrimp		
Crustaceans	485	Kauai cave amphipod	<i>Spelaeorchestia koloana</i>	Final
Crustaceans			<i>Branchinecta longiantenna</i>	Final
	491	Longhorn fairy shrimp		
Crustaceans			<i>Streptocephalus woottoni</i>	Final
	492	Riverside fairy shrimp		
Crustaceans			<i>Branchinecta sandiegonensis</i>	Final
	495	San Diego fairy shrimp		
Fishes			<i>Hypomesus transpacificus</i>	Final
	305	Delta smelt		
Fishes			<i>Oncorhynchus aguabonita whitei</i>	Final
	248	Little Kern golden trout		
Fishes	312	Santa Ana sucker	<i>Catostomus santaanae</i>	Final
Insects			<i>Euphydryas editha bayensis</i>	Final
	438	Bay checkerspot butterfly		
Insects	446	Blackburn's sphinx moth	<i>Manduca blackburni</i>	Final
			<i>Megalagrion nigrohamatum nigrolineatum</i>	
Insects	1361	Blackline Hawaiian damselfly		Final
			<i>Speyeria callippe callippe</i>	
Insects	430*	Callippe silverspot butterfly		Proposed
			<i>Dinacoma caseyi</i>	
Insects	8503	Casey's June beetle		Final
			<i>Megalagrion leptodemas</i>	
Insects	4326	Crimson Hawaiian damselfly		Final

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa	Entity ID	Common Name	Scientific Name	Critical Habitat Status
Insects	435	Delta green ground beetle	<i>Elaphrus viridis</i>	Final
Insects	419*	El Segundo blue butterfly	<i>Euphilotes battoides allyni</i>	Proposed
Insects	1248	Hawaiian picture-wing fly	<i>Drosophila aglaia</i>	Final
Insects	1259	Hawaiian picture-wing fly	<i>Drosophila differens</i>	Final
Insects	4000	Hawaiian picture-wing fly	<i>Drosophila digresa</i>	Final
Insects	1257	Hawaiian picture-wing fly	<i>Drosophila hemipeza</i>	Final
Insects	1249	Hawaiian picture-wing fly	<i>Drosophila heteroneura</i>	Final
Insects	1250	Hawaiian picture-wing fly	<i>Drosophila montgomeryi</i>	Final
Insects	1251	Hawaiian picture-wing fly	<i>Drosophila mulli</i>	Final
Insects	1252	Hawaiian picture-wing fly	<i>Drosophila musaphilia</i>	Final
Insects	1253	Hawaiian picture-wing fly	<i>Drosophila neoclavisetae</i>	Final
Insects	1254	Hawaiian picture-wing fly	<i>Drosophila obatai</i>	Final
Insects	1258	Hawaiian picture-wing fly	<i>Drosophila ochrobasis</i>	Final
Insects	7261	Hawaiian picture-wing fly	<i>Drosophila sharpi</i>	Final
Insects	1255	Hawaiian picture-wing fly	<i>Drosophila substenoptera</i>	Final
Insects	1256	Hawaiian picture-wing fly	<i>Drosophila tarphytrichia</i>	Final
Insects	451	Laguna Mountains skipper	<i>Pyrgus ruralis lagunae</i>	Final
Insects	421*	Lange's metalmark butterfly	<i>Apodemia mormo langei</i>	Proposed
Insects	422*	Lotis blue butterfly	<i>Lycaeides argyrognomon lotis</i>	Proposed
Insects	423*	Mission blue butterfly	<i>Icaricia icarioides missionensis</i>	Proposed
Insects	6231	Oceanic Hawaiian damselfly	<i>Megalagrion oceanicum</i>	Final
Insects	432	Palos Verdes blue butterfly	<i>Glaucopsyche lygdamus palosverdesensis</i>	Final
Insects	10007	Puerto Rican harlequin butterfly	<i>Atlantea tulita</i>	Final
Insects	427*	San Bruno elfin butterfly	<i>Callophrys mossii bayensis</i>	Proposed
Insects	428*	Smith's blue butterfly	<i>Euphilotes enoptes smithi</i>	Proposed
Insects	436	Valley elderberry longhorn beetle	<i>Desmocerus californicus dimorphus</i>	Final
Insects	458	Zayante band-winged grasshopper	<i>Trimerotropis infantilis</i>	Final
Mammals	28	Amargosa vole	<i>Microtus californicus scirpensis</i>	Final

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa	Entity ID	Common Name	Scientific Name	Critical Habitat Status
Mammals	58	Buena Vista Lake ornate Shrew	<i>Sorex ornatus relictus</i>	Final
Mammals	11653	Fisher	<i>Pekania pennanti</i>	Proposed
Mammals	37	Fresno kangaroo rat	<i>Dipodomys nitratoide exilis</i>	Final
Mammals	8962	Mariana fruit bat (=Mariana flying fox)	<i>Pteropus mariannus mariannus</i>	Final
Mammals	16	Morro Bay kangaroo rat	<i>Dipodomys heermanni morroensis</i>	Final
Mammals	5232	Northern sea otter	<i>Enhydra lutris kenyon</i>	Final
Mammals	8861	Polar bear	<i>Ursus maritimus</i>	Final
Mammals	63	San Bernardino Merriam's kangaroo rat	<i>Dipodomys merriami parvus</i>	Final
Mammals	57	Sierra Nevada bighorn sheep	<i>Ovis canadensis sierrae</i>	Final
Plant-Dicot	736	(=Native yellow hibiscus) Ma'o hau hele	<i>Hibiscus brackenridgei</i>	Final
Plant-Dicot	1159	A'e	<i>Zanthoxylum dipetalum</i> var. <i>tomentosum</i>	Final
Plant-Dicot	869	A'e	<i>Zanthoxylum hawaiiense</i>	Final
Plant-Dicot	7979	A'e	<i>Zanthoxylum oahuense</i>	Final
Plant-Dicot	635	'Ahinahina	<i>Argyroxiphium sandwicense</i> ssp. <i>macrocephalum</i>	Final
Plant-Dicot	833	'Aiakeakua, popolo	<i>Solanum sandwicense</i>	Final
Plant-Dicot	780	'Aiea	<i>Nothocestrum breviflorum</i>	Final
Plant-Dicot	781	'Aiea	<i>Nothocestrum peltatum</i>	Final
Plant-Dicot	664	Akoko	<i>Euphorbia halemanui</i>	Final
Plant-Dicot	662	'Akoko	<i>Euphorbia celastroides</i> var. <i>kaenana</i>	Final
Plant-Dicot	1223	'Akoko	<i>Euphorbia deppeana</i>	Final
Plant-Dicot	1502	'Akoko	<i>Euphorbia eleanoriae</i>	Final
Plant-Dicot	549	'Akoko	<i>Euphorbia haeleeleana</i>	Final
Plant-Dicot	1179	'Akoko	<i>Euphorbia herbstii</i>	Final
Plant-Dicot	1094	'Akoko	<i>Euphorbia kuwaleana</i>	Final
Plant-Dicot	3871	'Akoko	<i>Euphorbia remyi</i> var. <i>kauaiensis</i>	Final
Plant-Dicot	1607	'Akoko	<i>Euphorbia remyi</i> var. <i>remyi</i>	Final
Plant-Dicot	1180	'Akoko	<i>Euphorbia rockii</i>	Final

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa	Entity ID	Common Name	Scientific Name	Critical Habitat Status
Plant-Dicot	665	‘Akoko	<i>Euphorbia skottsbergii</i> var. <i>skottsbergii</i>	Final
Plant-Dicot	7280	‘Aku	<i>Cyanea tritomantha</i>	Final
Plant-Dicot	916	‘Aku’aku	<i>Cyanea platyphylla</i>	Final
Plant-Dicot	2683	‘Ala ‘ala wai nui	<i>Peperomia subpetiolata</i>	Final
Plant-Dicot	1132	Alani	<i>Melicope adscendens</i>	Final
Plant-Dicot	765	Alani	<i>Melicope balloui</i>	Final
Plant-Dicot	3472	Alani	<i>Melicope christophersenii</i>	Final
Plant-Dicot	1609	Alani	<i>Melicope degeneri</i>	Final
Plant-Dicot	766	Alani	<i>Melicope haupuensis</i>	Final
Plant-Dicot	4377	Alani	<i>Melicope hiiakae</i>	Final
Plant-Dicot	767	Alani	<i>Melicope knudsenii</i>	Final
Plant-Dicot	768	Alani	<i>Melicope lydgatei</i>	Final
Plant-Dicot	3728	Alani	<i>Melicope makahae</i>	Final
Plant-Dicot	769	Alani	<i>Melicope mucronulata</i>	Final
Plant-Dicot	770	Alani	<i>Melicope munroi</i>	Final
Plant-Dicot	771	Alani	<i>Melicope ovalis</i>	Final
Plant-Dicot	772	Alani	<i>Melicope pallida</i>	Final
Plant-Dicot	8357	Alani	<i>Melicope paniculata</i>	Final
Plant-Dicot	3753	Alani	<i>Melicope puberula</i>	Final
Plant-Dicot	774	Alani	<i>Melicope reflexa</i>	Final
Plant-Dicot	575	Alani	<i>Melicope saint-johnii</i>	Final
Plant-Dicot	775	Alani	<i>Melicope zahlbruckneri</i>	Final
Plant-Dicot	567	‘Anaunau	<i>Lepidium arbuscula</i>	Final
Plant-Dicot	784	Antioch Dunes evening-primrose	<i>Oenothera deltoides</i> ssp. <i>howellii</i>	Final
Plant-Dicot	1151	‘Anunu	<i>Sicyos albus</i>	Final
Plant-Dicot	523	Ash-grey paintbrush	<i>Castilleja cinerea</i>	Final
Plant-Dicot	952	Aupaka	<i>Isodendrion hosakae</i>	Final
Plant-Dicot	563	Aupaka	<i>Isodendrion laurifolium</i>	Final
Plant-Dicot	564	Aupaka	<i>Isodendrion longifolium</i>	Final
Plant-Dicot	654	‘Awikiwiki	<i>Canavalia molokaiensis</i>	Final
Plant-Dicot	2118	‘Awikiwiki	<i>Canavalia napaliensis</i>	Final
Plant-Dicot	7805	‘Awikiwiki	<i>Canavalia pubescens</i>	Final
Plant-Dicot	724	Awiwi	<i>Kadua cookiana</i>	Final
Plant-Dicot	1093	Awiwi	<i>Schenkia sebaeoides</i>	Final
Plant-Dicot	539	Baker's larkspur	<i>Delphinium bakeri</i>	Final
Plant-Dicot	506	Bear Valley sandwort	<i>Arenaria ursina</i>	Final

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa	Entity ID	Common Name	Scientific Name	Critical Habitat Status
Plant-Dicot	507	Braunton's milk-vetch	<i>Astragalus brauntonii</i>	Final
Plant-Dicot	1081	Butte County meadowfoam	<i>Limnanthes floccosa ssp. californica</i>	Final
Plant-Dicot	614	California taraxacum	<i>Taraxacum californicum</i>	Final
Plant-Dicot	737	Clay's hibiscus	<i>Hibiscus clayi</i>	Final
Plant-Dicot	886	Coachella Valley milk-vetch	<i>Astragalus lentiginosus var. coachellae</i>	Final
Plant-Dicot	566	Contra Costa goldfields	<i>Lasthenia conjugens</i>	Final
Plant-Dicot	712	Contra Costa wallflower	<i>Erysimum capitatum var. angustatum</i>	Final
Plant-Dicot	745	Cooke's koki'o	<i>Kokia cookei</i>	Final
Plant-Dicot	710	Cushenbury buckwheat	<i>Eriogonum ovalifolium var. vineum</i>	Final
Plant-Dicot	1086	Cushenbury milk-vetch	<i>Astragalus albens</i>	Final
Plant-Dicot	1134	Cushenbury oxytheca	<i>Oxytheca parishii var. goodmaniana</i>	Final
Plant-Dicot	868	Dwarf iliau	<i>Wilkesia hobydi</i>	Final
Plant-Dicot	887	Fish Slough milk-vetch	<i>Astragalus lentiginosus var. piscinensis</i>	Final
Plant-Dicot	522	Fleshy owl's-clover	<i>Castilleja campestris ssp. succulenta</i>	Final
Plant-Dicot	2823	Franciscan manzanita	<i>Arctostaphylos franciscana</i>	Final
Plant-Dicot	1119	Gaviota Tarplant	<i>Deinandra increscens ssp. villosa</i>	Final
Plant-Dicot	1175	Haha	<i>Cyanea acuminata</i>	Final
Plant-Dicot	1099	Haha	<i>Cyanea asarifolia</i>	Final
Plant-Dicot	7892	Haha	<i>Cyanea asplenifolia</i>	Final
Plant-Dicot	3540	Haha	<i>Cyanea calycina</i>	Final
Plant-Dicot	1185	Haha	<i>Cyanea copelandii ssp. haleakalaensis</i>	Final
Plant-Dicot	1224	Haha	<i>Cyanea crispa</i>	Final
Plant-Dicot	9951	Haha	<i>Cyanea dolichopoda</i>	Final
Plant-Dicot	1101	Haha	<i>Cyanea dunbariae</i>	Final
Plant-Dicot	10222	Haha	<i>Cyanea duvalliorum</i>	Final
Plant-Dicot	1278	Haha	<i>Cyanea eleleensis</i>	Final
Plant-Dicot	1052	Haha	<i>Cyanea gibsonii</i>	Final
Plant-Dicot	1102	Haha	<i>Cyanea glabra</i>	Final
Plant-Dicot	684	Haha	<i>Cyanea grimesiana ssp. grimesiana</i>	Final

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa	Entity ID	Common Name	Scientific Name	Critical Habitat Status
Plant-Dicot	1049	Haha	<i>Cyanea grimesiana</i> ssp. <i>obatae</i>	Final
Plant-Dicot	1050	Haha	<i>Cyanea hamatiflora</i> ssp. <i>carlsonii</i>	Final
Plant-Dicot	1186	Haha	<i>Cyanea hamatiflora</i> ssp. <i>hamatiflora</i>	Final
Plant-Dicot	535	Haha	<i>Cyanea humboldtiana</i>	Final
Plant-Dicot	9952	Haha	<i>Cyanea kolekoleensis</i>	Final
Plant-Dicot	1181	Haha	<i>Cyanea koolauensis</i>	Final
Plant-Dicot	4961	Haha	<i>Cyanea kuhihewa</i>	Final
Plant-Dicot	1968	Haha	<i>Cyanea kunthiana</i>	Final
Plant-Dicot	6019	Haha	<i>Cyanea lanceolata</i>	Final
Plant-Dicot	1051	Haha	<i>Cyanea lobata</i>	Final
Plant-Dicot	1182	Haha	<i>Cyanea longiflora</i>	Final
Plant-Dicot	10224	Haha	<i>Cyanea magnicalyx</i>	Final
Plant-Dicot	1103	Haha	<i>Cyanea mannii</i>	Final
Plant-Dicot	10225	Haha	<i>Cyanea maritae</i>	Final
Plant-Dicot	6969	Haha	<i>Cyanea marksii</i>	Final
Plant-Dicot	10226	Haha	<i>Cyanea mauiensis</i>	Final
Plant-Dicot	685	Haha	<i>Cyanea mceldowneyi</i>	Final
Plant-Dicot	10227	Haha	<i>Cyanea munroi</i>	Final
Plant-Dicot	2860	Haha	<i>Cyanea obtusa</i>	Final
Plant-Dicot	915	Haha	<i>Cyanea pinnatifida</i>	Final
Plant-Dicot	1104	Haha	<i>Cyanea procera</i>	Final
Plant-Dicot	6303	Haha	<i>Cyanea profuga</i>	Final
Plant-Dicot	1636	Haha	<i>Cyanea purpurellifolia</i>	Final
Plant-Dicot	1105	Haha	<i>Cyanea recta</i>	Final
Plant-Dicot	1176	Haha	<i>Cyanea remyi</i>	Final
Plant-Dicot	537	Haha	<i>Cyanea rivularis</i>	Final
Plant-Dicot	686	Haha	<i>Cyanea shipmanii</i>	Final
Plant-Dicot	687	Haha	<i>Cyanea st.-johnii</i>	Final
Plant-Dicot	917	Haha	<i>Cyanea stictophylla</i>	Final
Plant-Dicot	688	Haha	<i>Cyanea superba</i>	Final
Plant-Dicot	1106	Haha	<i>Cyanea truncata</i>	Final
Plant-Dicot	1107	Haha	<i>Cyanea undulata</i>	Final
Plant-Dicot	10223	Haha nui	<i>Cyanea horrida</i>	Final
Plant-Dicot	10228	Haiwale	<i>Cyrtandra ferripilosa</i>	Final
Plant-Dicot	8347	Haiwale	<i>Cyrtandra gracilis</i>	Final

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa	Entity ID	Common Name	Scientific Name	Critical Habitat Status
Plant-Dicot	10480	Haiwale	<i>Cyrtandra nanawaleensis</i>	Final
Plant-Dicot	9953	Haiwale	<i>Cyrtandra paliku</i>	Final
Plant-Dicot	10481	Haiwale	<i>Cyrtandra wagneri</i>	Final
Plant-Dicot	5991	Haiwale	<i>Cyrtandra waiolani</i>	Final
Plant-Dicot	536	Ha'iwale	<i>Cyrtandra dentata</i>	Final
Plant-Dicot	2085	Ha'iwale	<i>Cyrtandra filipes</i>	Final
Plant-Dicot	919	Ha'iwale	<i>Cyrtandra giffardii</i>	Final
Plant-Dicot	4201	Ha'iwale	<i>Cyrtandra kaulantha</i>	Final
Plant-Dicot	1110	Ha'iwale	<i>Cyrtandra limahuliensis</i>	Final
Plant-Dicot	1230	Ha'iwale	<i>Cyrtandra munroi</i>	Final
Plant-Dicot	6679	Ha'iwale	<i>Cyrtandra oenobarba</i>	Final
Plant-Dicot	1349	Ha'iwale	<i>Cyrtandra oxybapha</i>	Final
Plant-Dicot	690	Ha'iwale	<i>Cyrtandra polyantha</i>	Final
Plant-Dicot	2273	Ha'iwale	<i>Cyrtandra sessilis</i>	Final
Plant-Dicot	691	Ha'iwale	<i>Cyrtandra subumbellata</i>	Final
Plant-Dicot	1111	Ha'iwale	<i>Cyrtandra tintinnabula</i>	Final
Plant-Dicot	1112	Ha'iwale	<i>Cyrtandra viridiflora</i>	Final
Plant-Dicot	560	Hau kuahiwi	<i>Hibiscadelphus giffardianus</i>	Final
Plant-Dicot	561	Hau kuahiwi	<i>Hibiscadelphus hualalaiensis</i>	Final
Plant-Dicot	1177	Hau kuahiwi	<i>Hibiscadelphus woodii</i>	Final
Plant-Dicot	938	Heau	<i>Exocarpos luteolus</i>	Final
Plant-Dicot	888	Heliotrope milk-vetch	<i>Astragalus montii</i>	Final
Plant-Dicot	4740	Hoawa	<i>Pittosporum halophilum</i>	Final
Plant-Dicot	4007	Hoawa	<i>Pittosporum hawaiiense</i>	Final
Plant-Dicot	3154	Ho'awa	<i>Pittosporum napaliense</i>	Final
Plant-Dicot	527	Hoover's spurge	<i>Chamaesyce hooveri</i>	Final
Plant-Dicot	1693	Hulumoa	<i>Korthalsella degeneri</i>	Final
Plant-Dicot	954	Kamakahala	<i>Labordia cyrtandrae</i>	Final
Plant-Dicot	2778	Kamakahala	<i>Labordia helleri</i>	Final
Plant-Dicot	955	Kamakahala	<i>Labordia lydgatei</i>	Final
Plant-Dicot	3832	Kamakahala	<i>Labordia pumila</i>	Final
Plant-Dicot	1232	Kamakahala	<i>Labordia tinifolia</i> var. <i>lanaiensis</i>	Final
Plant-Dicot	1178	Kamakahala	<i>Labordia tinifolia</i> var. <i>wahiawaensis</i>	Final
Plant-Dicot	565	Kamakahala	<i>Labordia triflora</i>	Final

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa	Entity ID	Common Name	Scientific Name	Critical Habitat Status
Plant-Dicot	674	Kauila	<i>Colubrina oppositifolia</i>	Final
Plant-Dicot	810	Kaulu	<i>Pteralyxia kauaiensis</i>	Final
Plant-Dicot	2265	Kaulu	<i>Pteralyxia macrocarpa</i>	Final
Plant-Dicot	610	Keck's Checker-mallow	<i>Sidalcea keckii</i>	Final
Plant-Dicot	725	Kio'ele	<i>Kadua coriacea</i>	Final
Plant-Dicot	1136	Kiponapona	<i>Phyllostegia racemosa</i>	Final
Plant-Dicot	1010	Kneeland Prairie penny-cress	<i>Thlaspi californicum</i>	Final
Plant-Dicot	1187	Kohe malama malama o Kanaloa	<i>Kanaloa kahoolawensis</i>	Final
Plant-Dicot	697	Koholapehu	<i>Dubautia latifolia</i>	Final
Plant-Dicot	746	Koki'o	<i>Kokia drynarioides</i>	Final
Plant-Dicot	747	Koki'o	<i>Kokia kauaiensis</i>	Final
Plant-Dicot	947	Koki'o ke'oke'o	<i>Hibiscus arnottianus</i> ssp. <i>immaculatus</i>	Final
Plant-Dicot	738	Koki'o ke'oke'o	<i>Hibiscus waimeae</i> ssp. <i>hannerae</i>	Final
Plant-Dicot	1133	Kolea	<i>Myrsine juddii</i>	Final
Plant-Dicot	9959	Kolea	<i>Myrsine knudsenii</i>	Final
Plant-Dicot	577	Kolea	<i>Myrsine linearifolia</i>	Final
Plant-Dicot	1521	Kolea	<i>Myrsine mezii</i>	Final
Plant-Dicot	2970	Kolea	<i>Myrsine vaccinioides</i>	Final
Plant-Dicot	10479	Kookoolau	<i>Bidens hillebrandiana</i> ssp. <i>hillebrandiana</i>	Final
Plant-Dicot	2278	Ko'oko'olau	<i>Bidens amplexans</i>	Final
Plant-Dicot	7617	Ko'oko'olau	<i>Bidens campylotheca</i> ssp. <i>pentamera</i>	Final
Plant-Dicot	8277	Ko'oko'olau	<i>Bidens campylotheca</i> ssp. <i>waihoiensis</i>	Final
Plant-Dicot	8338	Ko'oko'olau	<i>Bidens conjuncta</i>	Final
Plant-Dicot	4589	Ko'oko'olau	<i>Bidens micrantha</i> ssp. <i>ctenophylla</i>	Final
Plant-Dicot	645	Ko'oko'olau	<i>Bidens micrantha</i> ssp. <i>kalealaha</i>	Final
Plant-Dicot	646	Ko'oko'olau	<i>Bidens wiebkei</i>	Final
Plant-Dicot	1118	Kopa	<i>Kadua cordata remyi</i>	Final
Plant-Dicot	2619	Kopiko	<i>Psychotria grandiflora</i>	Final
Plant-Dicot	3084	Kopiko	<i>Psychotria hexandra</i> var. <i>oahuensis</i>	Final
Plant-Dicot	6536	Kopiko	<i>Psychotria hobdyi</i>	Final

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa	Entity ID	Common Name	Scientific Name	Critical Habitat Status
Plant-Dicot	1140	Kuahiwi laukahi	<i>Plantago hawaiiensis</i>	Final
Plant-Dicot	800	Kuahiwi laukahi	<i>Plantago princeps</i>	Final
Plant-Dicot	1084	Kuawawaenohu	<i>Schiedea lychnoides</i>	Final
Plant-Dicot	741	Kula wahine noho	<i>Isodendrion pyrifolium</i>	Final
Plant-Dicot	782	Kulu'i	<i>Nototrichium humile</i>	Final
Plant-Dicot	531	La Graciosa thistle	<i>Cirsium loncholepis</i>	Final
Plant-Dicot	993	Lanai sandalwood (=‘iliahi)	<i>Santalum haleakalae</i> var. <i>lanaiense</i>	Final
Plant-Dicot	510	Lane Mountain milk-vetch	<i>Astragalus jaegerianus</i>	Final
Plant-Dicot	626	Large-flowered fiddleneck	<i>Amsinckia grandiflora</i>	Final
Plant-Dicot	3295	Lassics lupine	<i>Lupinus constancei</i>	Final
Plant-Dicot	1071	Laulihilihi	<i>Schiedea stellarioides</i>	Final
Plant-Dicot	7170	Lehua makanoe	<i>Lysimachia daphnoides</i>	Final
Plant-Dicot	619	Liliwai	<i>Acaena exigua</i>	Final
Plant-Dicot	546	Lompoc yerba santa	<i>Eriodictyon capitatum</i>	Final
Plant-Dicot	586	Lyon's pentachaeta	<i>Pentachaeta lyonii</i>	Final
Plant-Dicot	621	Mahoe	<i>Alectryon macrococcus</i>	Final
Plant-Dicot	795	Makou	<i>Peucedanum sandwicense</i>	Final
Plant-Dicot	1065	Ma‘oli‘oli	<i>Schiedea apokremnos</i>	Final
Plant-Dicot	3175	Ma‘oli‘oli	<i>Schiedea hawaiiensis</i>	Final
Plant-Dicot	603	Ma‘oli‘oli	<i>Schiedea kealiae</i>	Final
Plant-Dicot	1109	Mapele	<i>Cyrtandra cyaneoides</i>	Final
Plant-Dicot	4551	Marron bacora	<i>Solanum conocarpum</i>	Final
Plant-Dicot	815	Maui remya	<i>Remya mauiensis</i>	Final
Plant-Dicot	634	Mauna Loa (=Ka‘u) silversword	<i>Argyroxiphium kauense</i>	Final
Plant-Dicot	1117	Mehamehame	<i>Flueggea neowawraea</i>	Final
Plant-Dicot	1027	Mexican flannelbush	<i>Fremontodendron mexicanum</i>	Final
Plant-Dicot	903	Monterey spineflower	<i>Chorizanthe pungens</i> var. <i>pungens</i>	Final
Plant-Dicot	9954	Naenae	<i>Dubautia kalalauensis</i>	Final
Plant-Dicot	9955	Naenae	<i>Dubautia kenwoodii</i>	Final
Plant-Dicot	1054	Na‘ena‘e	<i>Dubautia herbstobatae</i>	Final
Plant-Dicot	4858	Na‘ena‘e	<i>Dubautia imbricata</i> ssp. <i>imbricata</i>	Final
Plant-Dicot	1113	Na‘ena‘e	<i>Dubautia pauciflora</i>	Final
Plant-Dicot	1114	Na‘ena‘e	<i>Dubautia plantaginea</i> ssp. <i>humilis</i>	Final

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa	Entity ID	Common Name	Scientific Name	Critical Habitat Status
Plant-Dicot	3049	Na'ena'e	<i>Dubautia plantaginea</i> ssp. <i>magnifolia</i>	Final
Plant-Dicot	2154	Na'ena'e	<i>Dubautia waialealae</i>	Final
Plant-Dicot	865	Nani wai'ale'ale	<i>Viola kauaiensis</i> var. <i>wahiawaensis</i>	Final
Plant-Dicot	1183	Nanu	<i>Gardenia mannii</i>	Final
Plant-Dicot	755	Nehe	<i>Lipochaeta fauriei</i>	Final
Plant-Dicot	756	Nehe	<i>Lipochaeta lobata</i> var. <i>leptophylla</i>	Final
Plant-Dicot	962	Nehe	<i>Lipochaeta micrantha</i>	Final
Plant-Dicot	964	Nehe	<i>Lipochaeta waimeae</i>	Final
Plant-Dicot	961	Nehe	<i>Melanthera kamolensis</i>	Final
Plant-Dicot	963	Nehe	<i>Melanthera tenuifolia</i>	Final
Plant-Dicot	514	Nevin's barberry	<i>Berberis nevinii</i>	Final
Plant-Dicot	1116	Nioi	<i>Eugenia koolauensis</i>	Final
Plant-Dicot	616	No common name	<i>Abutilon eremitopetalum</i>	Final
Plant-Dicot	618	No common name	<i>Abutilon sandwicense</i>	Final
Plant-Dicot	497	No common name	<i>Achyranthes mutica</i>	Final
Plant-Dicot	499	No common name	<i>Amaranthus brownii</i>	Final
Plant-Dicot	648	No common name	<i>Bonamia menziesii</i>	Final
Plant-Dicot	1092	No common name	<i>Catesbaea melanocarpa</i>	Final
Plant-Dicot	692	No common name	<i>Delissea rhytidosperra</i>	Final
Plant-Dicot	538	No common name	<i>Delissea undulata</i>	Final
Plant-Dicot	3990	No common name	<i>Gonocalyx concolor</i>	Final
Plant-Dicot	719	No common name	<i>Gouania hillebrandii</i>	Final
Plant-Dicot	720	No common name	<i>Gouania meyenii</i>	Final
Plant-Dicot	721	No common name	<i>Gouania vitifolia</i>	Final
Plant-Dicot	731	No common name	<i>Hesperomannia arborescens</i>	Final
Plant-Dicot	732	No common name	<i>Hesperomannia arbuscula</i>	Final
Plant-Dicot	733	No common name	<i>Hesperomannia lydgatei</i>	Final
Plant-Dicot	726	No common name	<i>Kadua degeneri</i>	Final
Plant-Dicot	728	No common name	<i>Kadua parvula</i>	Final
Plant-Dicot	729	No common name	<i>Kadua st.-johnii</i>	Final
Plant-Dicot	4487	No common name	<i>Keysseria (=Lagenifera) erici</i>	Final
Plant-Dicot	8254	No common name	<i>Keysseria (=Lagenifera) helenae</i>	Final
Plant-Dicot	572	No common name	<i>Lobelia koolauensis</i>	Final

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa	Entity ID	Common Name	Scientific Name	Critical Habitat Status
Plant-Dicot	965	No common name	<i>Lobelia monostachya</i>	Final
Plant-Dicot	758	No common name	<i>Lobelia niihauensis</i>	Final
Plant-Dicot	759	No common name	<i>Lobelia oahuensis</i>	Final
Plant-Dicot	968	No common name	<i>Lysimachia filifolia</i>	Final
Plant-Dicot	9956	No common name	<i>Lysimachia iniki</i>	Final
Plant-Dicot	1128	No common name	<i>Lysimachia lydgatei</i>	Final
Plant-Dicot	1129	No common name	<i>Lysimachia maxima</i>	Final
Plant-Dicot	9957	No common name	<i>Lysimachia pendens</i>	Final
Plant-Dicot	9958	No common name	<i>Lysimachia scopulensis</i>	Final
Plant-Dicot	5104	No common name	<i>Lysimachia venosa</i>	Final
Plant-Dicot	8303	No common name	<i>Melicope cornuta</i> var. <i>cornuta</i>	Final
Plant-Dicot	7046	No common name	<i>Melicope cornuta</i> var. <i>decurrens</i>	Final
Plant-Dicot	5709	No common name	<i>Melicope remyi</i>	Final
Plant-Dicot	1226	No common name	<i>Neraudia angulata</i>	Final
Plant-Dicot	581	No common name	<i>Neraudia ovata</i>	Final
Plant-Dicot	779	No common name	<i>Neraudia sericea</i>	Final
Plant-Dicot	2934	No common name	<i>Phyllostegia bracteata</i>	Final
Plant-Dicot	4533	No common name	<i>Phyllostegia floribunda</i>	Final
Plant-Dicot	10230	No common name	<i>Phyllostegia haliakalae</i>	Final
Plant-Dicot	589	No common name	<i>Phyllostegia hirsuta</i>	Final
Plant-Dicot	7229	No common name	<i>Phyllostegia hispida</i>	Final
Plant-Dicot	1184	No common name	<i>Phyllostegia kaalaensis</i>	Final
Plant-Dicot	590	No common name	<i>Phyllostegia knudsenii</i>	Final
Plant-Dicot	1163	No common name	<i>Phyllostegia mannii</i>	Final
Plant-Dicot	981	No common name	<i>Phyllostegia mollis</i>	Final
Plant-Dicot	591	No common name	<i>Phyllostegia parviflora</i>	Final
Plant-Dicot	10231	No common name	<i>Phyllostegia pilosa</i>	Final
Plant-Dicot	9960	No common name	<i>Phyllostegia renovans</i>	Final
Plant-Dicot	1137	No common name	<i>Phyllostegia velutina</i>	Final
Plant-Dicot	1135	No common name	<i>Phyllostegia waimeae</i>	Final
Plant-Dicot	1138	No common name	<i>Phyllostegia warshaueri</i>	Final
Plant-Dicot	1139	No common name	<i>Phyllostegia wawrana</i>	Final
Plant-Dicot	7886	No common name	<i>Polyscias bisattenuata</i>	Final
Plant-Dicot	9961	No common name	<i>Polyscias flynnii</i>	Final
Plant-Dicot	7367	No common name	<i>Polyscias lydgatei</i>	Final
Plant-Dicot	778	No common name	<i>Polyscias racemosa</i>	Final
Plant-Dicot	814	No common name	<i>Remya kauaiensis</i>	Final

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa	Entity ID	Common Name	Scientific Name	Critical Habitat Status
Plant-Dicot	1083	No common name	<i>Remya montgomeryi</i>	Final
Plant-Dicot	1146	No common name	<i>Sanicula mariversa</i>	Final
Plant-Dicot	601	No common name	<i>Sanicula purpurea</i>	Final
Plant-Dicot	2404	No common name	<i>Schiedea attenuata</i>	Final
Plant-Dicot	10483	No common name	<i>Schiedea diffusa</i> ssp. <i>macraei</i>	Final
Plant-Dicot	1066	No common name	<i>Schiedea haleakalensis</i>	Final
Plant-Dicot	1067	No common name	<i>Schiedea helleri</i>	Final
Plant-Dicot	602	No common name	<i>Schiedea hookeri</i>	Final
Plant-Dicot	10232	No common name	<i>Schiedea jacobii</i>	Final
Plant-Dicot	822	No common name	<i>Schiedea kaalae</i>	Final
Plant-Dicot	1147	No common name	<i>Schiedea kauaiensis</i>	Final
Plant-Dicot	10233	No common name	<i>Schiedea laui</i>	Final
Plant-Dicot	1068	No common name	<i>Schiedea lydgatei</i>	Final
Plant-Dicot	604	No common name	<i>Schiedea membranacea</i>	Final
Plant-Dicot	1148	No common name	<i>Schiedea nuttallii</i>	Final
Plant-Dicot	622	No common name	<i>Schiedea obovata</i>	Final
Plant-Dicot	4030	No common name	<i>Schiedea salicaria</i>	Final
Plant-Dicot	605	No common name	<i>Schiedea sarmentosa</i>	Final
Plant-Dicot	1069	No common name	<i>Schiedea spergulina</i> var. <i>leiopoda</i>	Final
Plant-Dicot	1070	No common name	<i>Schiedea spergulina</i> var. <i>spergulina</i>	Final
Plant-Dicot	623	No common name	<i>Schiedea trinervis</i>	Final
Plant-Dicot	606	No common name	<i>Schiedea verticillata</i>	Final
Plant-Dicot	1075	No common name	<i>Schiedea viscosa</i>	Final
Plant-Dicot	829	No common name	<i>Silene alexandri</i>	Final
Plant-Dicot	1001	No common name	<i>Silene hawaiiensis</i>	Final
Plant-Dicot	830	No common name	<i>Silene lanceolata</i>	Final
Plant-Dicot	1152	No common name	<i>Silene perlmanni</i>	Final
Plant-Dicot	1154	No common name	<i>Spermolepis hawaiiensis</i>	Final
Plant-Dicot	1155	No common name	<i>Stenogyne bifida</i>	Final
Plant-Dicot	1156	No common name	<i>Stenogyne campanulata</i>	Final
Plant-Dicot	6257	No common name	<i>Stenogyne cranwelliae</i>	Final
Plant-Dicot	839	No common name	<i>Stenogyne kanehoana</i>	Final
Plant-Dicot	10234	No common name	<i>Stenogyne kauaulaensis</i>	Final
Plant-Dicot	2517	No common name	<i>Stenogyne kealiae</i>	Final
Plant-Dicot	845	No common name	<i>Tetramolopium arenarium</i>	Proposed

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa	Entity ID	Common Name	Scientific Name	Critical Habitat Status
Plant-Dicot	847	No common name	<i>Tetramolopium filiforme</i>	Final
Plant-Dicot	848	No common name	<i>Tetramolopium lepidotum</i> ssp. <i>lepidotum</i>	Final
Plant-Dicot	849	No common name	<i>Tetramolopium remyi</i>	Final
Plant-Dicot	850	No common name	<i>Tetramolopium rockii</i>	Final
Plant-Dicot	1157	No common name	<i>Trematolobelia singularis</i>	Final
Plant-Dicot	3267	No common name	<i>Varronia rupicola</i>	Final
Plant-Dicot	862	No common name	<i>Vigna o-wahuensis</i>	Final
Plant-Dicot	864	No common name	<i>Viola helenae</i>	Final
Plant-Dicot	866	No common name	<i>Viola lanaiensis</i>	Final
Plant-Dicot	867	No common name	<i>Viola oahuensis</i>	Final
Plant-Dicot	4238	No common name	<i>Wikstroemia villosa</i>	Final
Plant-Dicot	1016	No common name	<i>Xylosma crenatum</i>	Final
Plant-Dicot	717	Nohoanu	<i>Geranium arboreum</i>	Final
Plant-Dicot	2758	Nohoanu	<i>Geranium hanaense</i>	Final
Plant-Dicot	3653	Nohoanu	<i>Geranium hillebrandii</i>	Final
Plant-Dicot	4630	Nohoanu	<i>Geranium kauaiense</i>	Final
Plant-Dicot	939	Nohoanu	<i>Geranium multiflorum</i>	Final
Plant-Dicot	693	Oha	<i>Delissea subcordata</i>	Final
Plant-Dicot	533	‘Oha wai	<i>Clermontia drepanomorpha</i>	Final
Plant-Dicot	671	‘Oha wai	<i>Clermontia lindseyana</i>	Final
Plant-Dicot	1097	‘Oha wai	<i>Clermontia oblongifolia</i> ssp. <i>brevipes</i>	Final
Plant-Dicot	1098	‘Oha wai	<i>Clermontia oblongifolia</i> ssp. <i>mauiensis</i>	Final
Plant-Dicot	672	‘Oha wai	<i>Clermontia peleana</i>	Final
Plant-Dicot	673	‘Oha wai	<i>Clermontia pyrularia</i>	Final
Plant-Dicot	1188	‘Oha wai	<i>Clermontia samuelii</i>	Final
Plant-Dicot	999	Ohai	<i>Sesbania tomentosa</i>	Final
Plant-Dicot	851	‘Ohe‘ohe	<i>Polyscias gymnocarpa</i>	Final
Plant-Dicot	649	Olulu	<i>Brighamia insignis</i>	Final
Plant-Dicot	860	Opuhe	<i>Urera kaalae</i>	Final
Plant-Dicot	559	Otay tarplant	<i>Deinandra</i> (= <i>Hemizonia</i>) <i>conjugens</i>	Final
Plant-Dicot	846	Pamakani	<i>Tetramolopium capillare</i>	Final
Plant-Dicot	863	Pamakani	<i>Viola chamissoniana</i> ssp. <i>chamissoniana</i>	Final
Plant-Dicot	3388	Papala	<i>Charpentiera densiflora</i>	Final

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa	Entity ID	Common Name	Scientific Name	Critical Habitat Status
Plant-Dicot	928	Parish's daisy	<i>Erigeron parishii</i>	Final
Plant-Dicot	1021	Peirson's milk-vetch	<i>Astragalus magdalenae</i> var. <i>peirsonii</i>	Final
Plant-Dicot	727	Pilo	<i>Kadua laxiflora</i>	Final
Plant-Dicot	3387	Pilo kea lau li'i	<i>Melicope rostrata</i>	Final
Plant-Dicot	806	Po'e	<i>Portulaca sclerocarpa</i>	Final
Plant-Dicot	5956	Popolo	<i>Cyanea solanacea</i>	Final
Plant-Dicot	832	Popolo ku mai	<i>Solanum incompletum</i>	Final
Plant-Dicot	650	Pua 'ala	<i>Brighamia rockii</i>	Final
Plant-Dicot	10290	Robust spineflower	<i>Chorizanthe robusta</i> var. <i>robusta</i>	Final
Plant-Dicot	874	Round-leaved chaff-flower	<i>Achyranthes splendens</i> var. <i>rotundata</i>	Final
Plant-Dicot	958	San Bernardino Mountains bladderpod	<i>Lesquerella kingii</i> ssp. <i>bernardina</i>	Final
Plant-Dicot	500	San Diego ambrosia	<i>Ambrosia pumila</i>	Final
Plant-Dicot	496	San Diego thornmint	<i>Acanthomintha ilicifolia</i>	Final
Plant-Dicot	562	Santa Cruz tarplant	<i>Holocarpha macradenia</i>	Final
Plant-Dicot	1267	Scotts Valley Polygonum	<i>Polygonum hickmanii</i>	Final
Plant-Dicot	1378	Scotts Valley spineflower	<i>Chorizanthe robusta</i> var. <i>hartwegii</i>	Final
Plant-Dicot	10229	Sea bean	<i>Mucuna persericea</i>	Final
Plant-Dicot	534	Soft bird's-beak	<i>Cordylanthus mollis</i> ssp. <i>mollis</i>	Final
Plant-Dicot	548	Southern mountain wild-buckwheat	<i>Eriogonum kennedyi</i> var. <i>austromontanum</i>	Final
Plant-Dicot	972	Spreading navarretia	<i>Navarretia fossalis</i>	Final
Plant-Dicot	530	Suisun thistle	<i>Cirsium hydrophilum</i> var. <i>hydrophilum</i>	Final
Plant-Dicot	5358	Tiehm's buckwheat	<i>Eriogonum tiehmii</i>	Proposed
Plant-Dicot	518	Uhiuhi	<i>Mezoneuron kawaiense</i>	Final
Plant-Dicot	1166	Vail Lake ceanothus	<i>Ceanothus ophiochilus</i>	Final
Plant-Dicot	10076	Vandenberg monkeyflower	<i>Diplacus vandenbergensis</i>	Final
Plant-Dicot	511	Ventura Marsh Milk-vetch	<i>Astragalus pycnostachyus</i> var. <i>lanosissimus</i>	Final
Plant-Dicot	576	Willowy monardella	<i>Monardella viminea</i>	Final
Plant-Dicot	540	Yellow larkspur	<i>Delphinium luteum</i>	Final

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa	Entity ID	Common Name	Scientific Name	Critical Habitat Status
Plant-Monocot	788	Carter's panicgrass	<i>Panicum fauriei</i> var. <i>carteri</i>	Final
Plant-Monocot	580	Colusa grass	<i>Neostapfia colusana</i>	Final
Plant-Monocot	545	Fosberg's love grass	<i>Eragrostis fosbergii</i>	Final
Plant-Monocot	858	Greene's tuctoria	<i>Tuctoria greenei</i>	Final
Plant-Monocot	582	Hairy Orcutt grass	<i>Orcuttia pilosa</i>	Final
Plant-Monocot	1497	Hala pepe	<i>Dracaena fernaldii</i>	Final
Plant-Monocot	3737	Hala pepe	<i>Dracaena forbesii</i>	Final
Plant-Monocot	1141	Hala pepe	<i>Dracaena konaensis</i>	Final
Plant-Monocot	801	Hawaiian bluegrass	<i>Poa sandvicensis</i>	Final
Plant-Monocot	6632	Hillebrand's reedgrass	<i>Calamagrostis hillebrandii</i>	Final
Plant-Monocot	951	Hilo ischaemum	<i>Ischaemum byrone</i>	Final
Plant-Monocot	659	Kamanomano	<i>Cenchrus agrimonioides</i>	Final
Plant-Monocot	584	Lau 'ehu	<i>Panicum niuhauense</i>	Final
Plant-Monocot	3054	Lo'ulu	<i>Pritchardia lanigera</i>	Final
Plant-Monocot	1143	Lo'ulu	<i>Pritchardia napaliensis</i>	Final
Plant-Monocot	598	Lo'ulu	<i>Pritchardia remota</i>	Final
Plant-Monocot	1144	Lo'ulu	<i>Pritchardia viscosa</i>	Final
Plant-Monocot	986	Mann's bluegrass	<i>Poa mannii</i>	Final
Plant-Monocot	1074	Munz's onion	<i>Allium munzii</i>	Final
Plant-Monocot	656	Navajo sedge	<i>Carex specuicola</i>	Final
Plant-Monocot	3671	No common name	<i>Agave eggersiana</i>	Final
Plant-Monocot	1131	No common name	<i>Cyperus fauriei</i>	Final
Plant-Monocot	1032	No common name	<i>Cyperus pennatifolius</i>	Final
Plant-Monocot	10235	No common name	<i>Festuca molokaiensis</i>	Final
Plant-Monocot	983	No common name	<i>Platanthera holochila</i>	Final
Plant-Monocot	987	No common name	<i>Poa siphonoglossa</i>	Final
Plant-Monocot	6845	Pa'iniu	<i>Astelia waialealae</i>	Final
Plant-Monocot	528	Purple amole	<i>Chlorogalum purpureum</i>	Final
Plant-Monocot	1108	Pu'uka'a	<i>Cyperus trachysanthos</i>	Final
Plant-Monocot	787	Sacramento Orcutt grass	<i>Orcuttia viscida</i>	Final
Plant-Monocot	594	San Bernardino bluegrass	<i>Poa atropurpurea</i>	Final
Plant-Monocot	786	San Joaquin Valley Orcutt grass	<i>Orcuttia inaequalis</i>	Final
Plant-Monocot	859	Solano grass	<i>Tuctoria mucronata</i>	Final
Plant-Monocot	516	Thread-leaved brodiaea	<i>Brodiaea filifolia</i>	Final
Plant-Monocot	1171	Yadon's piperia	<i>Piperia yadonii</i>	Final
Plant-Other	1196	Asplenium-leaved diellia	<i>Asplenium dielarectum</i>	Final

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa	Entity ID	Common Name	Scientific Name	Critical Habitat Status
Plant-Other	1200	Ihi‘ihi	<i>Marsilea villosa</i>	Final
Plant-Other	1197	No common name	<i>Asplenium</i> (=Diellia) <i>dielfalcatum</i> (=falcata)	Final
Plant-Other	7529	No common name	<i>Asplenium dielmannii</i>	Final
Plant-Other	1218	No common name	<i>Asplenium dielpallidum</i>	Final
Plant-Other	1194	No common name	<i>Asplenium peruvianum</i> var. <i>insulare</i>	Final
Plant-Other	1211	No common name	<i>Asplenium unisorum</i>	Final
Plant-Other	1198	No common name	<i>Diplazium molokaiense</i>	Final
Plant-Other	9962	No common name	<i>Doryopteris angelica</i>	Final
Plant-Other	2268	No common name	<i>Doryopteris takeuchii</i>	Final
Plant-Other	1202	No common name	<i>Pteris lidgatei</i>	Final
Plant-Other	1193	Palai la‘au	<i>Adenophorus periens</i>	Final
Plant-Other	9963	Palapalai aumakua	<i>Dryopteris crinalis</i> var. <i>podosorus</i>	Final
Plant-Other	1205	Pauoa	<i>Ctenitis squamigera</i>	Final
Plant-Other	1207	Wawae‘iole	<i>Phlegmariurus mannii</i>	Final
Plant-Other	1208	Wawae‘iole	<i>Phlegmariurus nutans</i>	Final
Reptiles	183	Alameda whipsnake (=striped racer)	<i>Masticophis lateralis euryxanthus</i>	Final
Reptiles	175	Coachella Valley fringe-toed lizard	<i>Uma inornata</i>	Final
Reptiles	162	Culebra Island giant anole	<i>Anolis roosevelti</i>	Final
Reptiles	10485	Green sea turtle	<i>Chelonia mydas</i>	Final
Reptiles	11175	Green sea turtle	<i>Chelonia mydas</i>	Final
Reptiles	11176	Green sea turtle	<i>Chelonia mydas</i>	Final
Reptiles	11193	Green sea turtle	<i>Chelonia mydas</i>	Final
Reptiles	153	Hawksbill sea turtle	<i>Eretmochelys imbricata</i>	Final
Reptiles	164	Mona boa	<i>Epicrates monensis monensis</i>	Final
Reptiles	165	Mona ground iguana	<i>Cyclura stejnegeri</i>	Final
Reptiles	160	Olive ridley sea turtle	<i>Lepidochelys olivacea</i>	Final
Reptiles	5989	Olive ridley sea turtle	<i>Lepidochelys olivacea</i>	Final
Reptiles	163	St. Croix ground lizard	<i>Ameiva polops</i>	Final
Snails	1989	Lanai tree snail	<i>Partulina semicarinata</i>	Final
Snails	3385	Lanai tree snail	<i>Partulina variabilis</i>	Final
Snails	387	Morro shoulderband (=Banded dune) snail	<i>Helminthoglypta walkeriana</i>	Final
Snails	418	Newcomb’s snail	<i>Erinna newcombi</i>	Final
Snails	3876	Newcomb’s tree snail	<i>Newcombia cumingi</i>	Final

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa	Entity ID	Common Name	Scientific Name	Critical Habitat Status
Snails	2722	Quitobaquito tryonia	<i>Tryonia quitobaquiae</i>	Proposed

DRAFT

CONCURRENCE

The EPA also made “may affect, not likely to adversely affect” determinations for 305 threatened, endangered, and proposed species entities and 171 designated and proposed critical habitats under U.S. Fish and Wildlife Service jurisdiction for atrazine.

“Not likely to adversely affect” determinations were based on conclusions of discountable or insignificant effects. Insignificant effects relate to the size of the impact and should never reach the scale where take of a listed species is expected or critical habitat (including physical and biological features (PBFs)) are likely to be adversely affected. For some species and critical habitat elements, atrazine pesticide exposure is expected to be so small in magnitude that the effects will not be noticeable or measurable. For example, some species do not have measurable adverse reactions to direct or indirect herbicide exposure, nor will such an exposure cause a significant reduction in those species’ food resources, shelter availability, or other species on which they depend (e.g., host species, pollinators). Discountable effects apply when exposure to listed species and critical habitat PBFs is extremely unlikely to occur. For example, exposure to atrazine for some species within the action area is extremely unlikely based on their specific habitat requirements. Some habitats will preclude exposure to species based on proximity to application areas or other considerations (e.g., species that only occur on mountain peaks, species that only grow on vertical cliff surfaces, or species with specific microhabitat conditions that do not occur near spray drift or runoff areas). All species in this section (i.e., for which EPA determined the registration of atrazine was not likely to adversely affect) benefit from general label conservation measures that reduce exposure from off-site transport, including three runoff mitigation points and spray drift buffers. Some species in this section also benefit from six-point Pesticide Use Limitation Areas (PULAs) for atrazine, determined through implementation of EPA’s Herbicide Strategy. They are denoted below with a footnote where applicable.

For species considered extinct or extirpated from the United States, in most cases, exposure was either not expected (if presumed extinct) or extremely unlikely to occur (if presumed extirpated).

We concur with most of EPA’s “not likely to adversely affect” determinations as listed in Appendix 4-1 in their biological evaluation (USEPA, 2021) and subsequent coordination. We describe our rationale for concurrence and need for further effects analysis, when applicable, in the sections below. For species that we felt needed additional assessment, we analyzed them further in our Opinion.

Amphibians

The EPA made “not likely to adversely affect” determinations for nine listed and proposed amphibian species and eight designated and proposed amphibian critical habitats (Table 4). We concur with some of these determinations.

Table 4. Listed and proposed amphibian species and designated and proposed amphibian critical habitats for which EPA made “not likely to adversely affect” determinations. For

two species entities and five critical habitats (designated with asterisks below), we do not concur with EPA’s “not likely to adversely affect” determinations and analyzed them further in our Opinion.

Entity ID	Common Name	Scientific Name	Species or Critical Habitat (CH) Status
11468	Dixie Valley toad	<i>Anaxyrus williamsi</i>	Endangered
199*	Frosted flatwoods salamander	<i>Ambystoma cingulatum</i>	Threatened
3849	Jemez Mountains salamander	<i>Plethodon neomexicanus</i>	Endangered
7847	Ozark hellbender	<i>Cryptobranchus alleganiensis bishop</i>	Endangered
192	Red Hills salamander	<i>Phaeognathus hubrichti</i>	Threatened
200	Shenandoah salamander	<i>Plethodon shenandoah</i>	Endangered
1313	West Virginia spring salamander	<i>Gyrinophilus subterraneus</i>	Proposed Endangered
6096* ²	Western spadefoot	<i>Spea hammondi</i>	Proposed Threatened
202	Wyoming toad	<i>Anaxyrus baxteri</i>	Endangered
6346*	Austin blind salamander	<i>Eurycea waterlooensis</i>	Final CH
5065	Black warrior (=Sipsey Fork) waterdog	<i>Necturus alabamensis</i>	Final CH
11468	Dixie Valley toad	<i>Anaxyrus williamsi</i>	Proposed CH
5434*	Georgetown salamander	<i>Eurycea naufragia</i>	Final CH
8231*	Jollyville Plateau salamander	<i>Eurycea tonkawae</i>	Final CH
2932*	Neuse River waterdog	<i>Necturus lewisi</i>	Final CH
7610*	Salado salamander	<i>Eurycea chisholmensis</i>	Final CH
1313	West Virginia spring salamander	<i>Gyrinophilus subterraneus</i>	Proposed CH

For many species or designated critical habitats in Table 4, effects are expected to be discountable as exposure to atrazine is extremely unlikely to occur based on land uses within the range, habitat preference of the species, and/or occurrence in protected areas or other sites where atrazine usage is not anticipated.

- Wyoming toads are found in herbaceous wetlands, riparian grasslands, ponds, and small seepage lakes in shortgrass communities of Laramie Basin in Albany County, Wyoming. Adult Wyoming toads eat insects, predominantly ants, and tadpoles eat algae (USFWS, 2012). As of 2024, they are only found on two National Wildlife Refuges (i.e., Mortenson Lake and Wyoming Toad Conservation Area) and two release sites protected

² EPA provided a determination for western spadefoot entity ID 6096, which is now an unlisted entity. The species was proposed as two Distinct Population Segments (DPS) with entity IDs 12393 (northern DPS) and 12394 (southern DPS). We addressed the southern DPS in Opinion because part of its range occurs in Imperial County, California where atrazine may be used. The northern DPS does not occur in Imperial County.

by Safe Harbor Agreements (USFWS, 2024a). We do not expect Wyoming toads to use agricultural lands or non-agricultural atrazine use sites, and they do not move far from their habitats. Atrazine has not been reported for use on these refuges since at least 2013.

- Shenandoah salamanders are found in remote areas where we do not expect atrazine use or runoff exposure; its range does not overlap with the U.S. Department of Agriculture's Crop Sequence Boundary data 2017-2024 (USDA, 2025), referred to as "CSB data" throughout, meaning agricultural land was not present in its species' range in this time frame. In addition, we do not expect non-agricultural atrazine use will lead to exposure, given that their preferred habitat is located outside of use areas.
- The Jemez Mountain salamander and Red Hills salamander are terrestrial amphibians, and we do not expect them to occur on agricultural or non-agricultural atrazine use sites. Jemez Mountain salamanders are found at high elevations primarily on federal lands where we do not expect atrazine use. Similarly, Red Hills salamanders occur in forests on slopes and moist ravines in several counties in Alabama.
- The West Virginia spring salamander and its critical habitat are found in caves in Greenbrier County, West Virginia. As of 2023, habitat within this cave system was not degraded, and there was no evidence that nearby land use activities over the past 50 years affected water quality in the cave (USFWS, 2023).
- The Dixie Valley toad, mountain yellow-legged frog, and Yosemite toad are found on federal lands (e.g., Department of Defense, Bureau of Land Management, National Forests, National Parks) where we expect atrazine will not be used. We do not expect agricultural croplands to be grown where these species occur. The Dixie Valley toad, mountain yellow-legged frog, and Yosemite toad critical habitats do not overlap with agriculture (i.e., CSB=0).

Therefore, we concur with EPA's "not likely to adversely affect" determinations for these amphibians and their critical habitats.

For the Ozark hellbender and critical habitat for black warrior waterdog, we expect estimated environmental concentrations (EECs) of atrazine, after accounting for conservation measures, including those developed using EPA's Herbicide Strategy, will be below the threshold for which we anticipate adverse effects to the species or PBFs to occur. Therefore, we expect effects of atrazine to be insignificant, as they are not anticipated to be meaningfully measured, detected, or evaluated. We concur with EPA's "not likely to adversely affect" determinations for the Ozark hellbender and critical habitat for black warrior waterdog.

For several species or designated critical habitats in Table 4, we could not conclude that the effects of atrazine exposure are likely to be insignificant or discountable. Even after accounting for conservation measures, including those developed using EPA's Herbicide Strategy, we expect atrazine exposure and EECs to exceed sublethal endpoints for the frosted flatwoods salamander and western spadefoot (southern DPS) from agricultural or non-agricultural atrazine uses. In addition, the Austin blind salamander, Georgetown salamander, Jollyville Plateau salamander, Neuse River waterdog, and Salado salamander critical habitats overlap with

registered atrazine use sites and atrazine EECs are above levels where we anticipate adverse effects to affect at least one critical habitat PBF (e.g., vegetation or water quality). Therefore, we do not concur with EPA's "not likely to adversely affect" determinations for these species and critical habitats and addressed them further in our Opinion.

Aquatic Invertebrates (Bivalves, Crustaceans, Aquatic Insects, and Snails)

The EPA made "not likely to adversely affect" determinations for 25 listed and proposed aquatic invertebrate species and 55 designated and proposed aquatic invertebrate critical habitats under Fish and Wildlife Service jurisdiction (Table 5). We concur with some of these determinations.

Table 5. Listed and proposed aquatic invertebrate species and designated and proposed aquatic invertebrate critical habitats for which EPA made "not likely to adversely affect" determinations. For four species entities and five critical habitats (designated with asterisks below), we do not concur with EPA's "not likely to adversely affect" determinations and analyzed them further in our Opinion.

Taxa	Entity ID	Common Name	Scientific Name	Species or Critical Habitat (CH) Status
Bivalves	10840	Alabama hickorynut	<i>Obovaria unicolor</i>	Proposed Endangered
Bivalves	11676*	Balcones spike	<i>Fusconaia iheringi</i>	Endangered
Bivalves	12388	No common name	<i>Obovaria cf. unicolor</i>	Proposed Threatened
Bivalves	11656	Ouachita fanshell	<i>Cyprogenia sp. cf. aberti</i>	Threatened
Bivalves	9802	Salina mucket	<i>Potamilus metnecktayi</i>	Proposed Endangered
Crustaceans	2977*	Black Creek crayfish	<i>Procambarus pictus</i>	Proposed Endangered
Crustaceans	8172	Diminutive amphipod	<i>Gammarus hyalleloides</i>	Endangered
Crustaceans	10794*	Miami Cave crayfish	<i>Procambarus milleri</i>	Proposed Threatened
Crustaceans	6596	Pecos amphipod	<i>Gammarus pecos</i>	Endangered
Crustaceans	483	Socorro isopod	<i>Thermosphaeroma thermophilus</i>	Endangered
Crustaceans	487*	Squirrel Chimney Cave shrimp	<i>Palaemonetes cummingi</i>	Threatened
Insects	439	Ash Meadows naucorid	<i>Ambrysus amargosus</i>	Threatened
Insects	1849	Meltwater lednian stonefly	<i>Lednia tumana</i>	Threatened
Insects	10123	Western glacier stonefly	<i>Zapada glacier</i>	Threatened
Snails	403	Alamosa springsnail	<i>Tryonia alamosae</i>	Endangered

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa	Entity ID	Common Name	Scientific Name	Species or Critical Habitat (CH) Status
Snails	404	Bruneau Hot springsnail	<i>Pyrgulopsis bruneauensis</i>	Endangered
Snails	4162	Chupadera springsnail	<i>Pyrgulopsis chupaderae</i>	Endangered
Snails	4437	Diamond tryonia	<i>Pseudotryonia adamantina</i>	Endangered
Snails	5362	Gonzales tryonia	<i>Tryonia circumstriata</i> (=stocktonensis)	Endangered
Snails	6240	Oblong rocksnail	<i>Leptoxis compacta</i>	Proposed Endangered
Snails	4479	Phantom springsnail	<i>Pyrgulopsis texana</i>	Endangered
Snails	6138	Phantom tryonia	<i>Tryonia cheatumi</i>	Endangered
Snails	1380	San Bernardino springsnail	<i>Pyrgulopsis bernardina</i>	Threatened
Snails	408	Socorro springsnail	<i>Pyrgulopsis neomexicana</i>	Endangered
Snails	4766	Three Forks springsnail	<i>Pyrgulopsis trivialis</i>	Endangered
Bivalves	380	Alabama moccasinshell	<i>Medionidus acutissimus</i>	Final CH
Bivalves	4411	Alabama pearlshell	<i>Margaritifera marrianae</i>	Final CH
Bivalves	4210	Altamaha spinymussel	<i>Elliptio spinosa</i>	Final CH
Bivalves	354	Appalachian elktoe	<i>Alasmidonta raveneliana</i>	Final CH
Bivalves	7048	Atlantic pigtoe	<i>Fusconaia masoni</i>	Final CH
Bivalves	9222	Canoe Creek clubshell	<i>Pleurobema athearni</i>	Final CH
Bivalves	370	Carolina heelsplitter	<i>Lasmigona decorata</i>	Final CH
Bivalves	386	Chipola slabshell	<i>Elliptio chipolaensis</i>	Final CH
Bivalves	381	Coosa moccasinshell	<i>Medionidus parvulus</i>	Final CH
Bivalves	355	Cumberland elktoe	<i>Alasmidonta atropurpurea</i>	Final CH
Bivalves	353	Cumberlandian combshell	<i>Epioblasma brevidens</i>	Final CH
Bivalves	382	Dark pigtoe	<i>Pleurobema furvum</i>	Final CH
Bivalves	5380*	False spike	<i>Fusconaia mitchelli</i>	Final CH
Bivalves	375	Fat threeridge (mussel)	<i>Amblema neislerii</i>	Final CH
Bivalves	372	Finelined pocketbook	<i>Hamiota altilis</i>	Final CH
Bivalves	1559	Fluted kidneyshell	<i>Ptychobranchus subtentus</i>	Final CH
Bivalves	1369	Fuzzy pigtoe	<i>Pleurobema strodeanum</i>	Final CH
Bivalves	11577*	Guadalupe orb	<i>Cyclonaias necki</i>	Final CH
Bivalves	384	Gulf moccasinshell	<i>Medionidus penicillatus</i>	Final CH
Bivalves	6827	Kentucky creekshell	<i>Villosa ortmanni</i>	Proposed CH
Bivalves	10838	Longsolid	<i>Fusconaia subrotunda</i>	Final CH
Bivalves	4086	Neosho mucket	<i>Lampsilis rafinesqueana</i>	Final CH

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa	Entity ID	Common Name	Scientific Name	Species or Critical Habitat (CH) Status
Bivalves	385	Ochlockonee moccasinshell	<i>Medionidus simpsonianus</i>	Final CH
Bivalves	357	Orangenacre mucket	<i>Hamiota perovalis</i>	Final CH
Bivalves	371	Oval pigtoe	<i>Pleurobema pyriforme</i>	Final CH
Bivalves	377	Ovate clubshell	<i>Pleurobema perovatum</i>	Final CH
Bivalves	358	Oyster mussel	<i>Epioblasma capsaeformis</i>	Final CH
Bivalves	366	Purple bankclimber (mussel)	<i>Elliptoideus sloatianus</i>	Final CH
Bivalves	7363	Round ebonyshell	<i>Reginaia rotulata</i>	Final CH
Bivalves	10837	Round hickorynut	<i>Obovaria subrotunda</i>	Final CH
Bivalves	9802	Salina mucket	<i>Potamilus metnecktayi</i>	Proposed CH
Bivalves	373	Shinyrayed pocketbook	<i>Hamiota subangulata</i>	Final CH
Bivalves	6841	Slabside pearlymussel	<i>Pleurobema dolabelloides</i>	Final CH
Bivalves	378	Southern clubshell	<i>Pleurobema decisum</i>	Final CH
Bivalves	7949	Southern kidneyshell	<i>Ptychobranhus jonesi</i>	Final CH
Bivalves	383	Southern pigtoe	<i>Pleurobema georgianum</i>	Final CH
Bivalves	7349	Southern sandshell	<i>Hamiota australis</i>	Final CH
Bivalves	7372	Suwannee moccasinshell	<i>Medionidus walkeri</i>	Final CH
Bivalves	6534	Tapered pigtoe	<i>Fusconaia burkei</i>	Final CH
Bivalves	9967*	Texas fawnsfoot	<i>Truncilla macrodon</i>	Final CH
Bivalves	9968*	Texas pimpleback	<i>Cyclonaias petrina</i>	Final CH
Bivalves	379	Triangular kidneyshell	<i>Ptychobranhus greenii</i>	Final CH
Bivalves	4074	Yellow lance	<i>Elliptio lanceolata</i>	Final CH
Crustaceans	2977*	Black Creek crayfish	<i>Procambarus pictus</i>	Proposed CH
Crustaceans	8172	Diminutive amphipod	<i>Gammarus hyalleloides</i>	Final CH
Crustaceans	6596	Pecos amphipod	<i>Gammarus pecos</i>	Final CH
Insects	439	Ash Meadows naucorid	<i>Ambrysus amargosus</i>	Final CH
Snails	4437	Diamond tryonia	<i>Pseudotryonia adamantina</i>	Final CH
Snails	5362	Gonzales tryonia	<i>Tryonia circumstriata</i> (=stocktonensis)	Final CH
Snails	2561	Interrupted (=Georgia) rocksnail	<i>Leptoxis foremani</i>	Final CH
Snails	4479	Phantom springsnail	<i>Pyrgulopsis texana</i>	Final CH
Snails	6138	Phantom tryonia	<i>Tryonia cheatumi</i>	Final CH
Snails	3364	Rough hornsnail	<i>Pleurocera foremani</i>	Final CH
Snails	1380	San Bernardino springsnail	<i>Pyrgulopsis bernardina</i>	Final CH
Snails	4766	Three Forks springsnail	<i>Pyrgulopsis trivialis</i>	Final CH

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

We do not expect aquatic invertebrates to occur on atrazine use sites. Thus, we do not expect any individuals or their habitats to be exposed by direct spray and consider only the effects of runoff or spray drift.

For many species or designated critical habitats in Table 5, effects are expected to be discountable as exposure to atrazine is extremely unlikely to occur based on land uses within the range, habitat preference of the species, and/or occurrence in protected areas or other sites where atrazine usage is not anticipated.

- The Socorro isopod is found in three areas in New Mexico; two populations are captively managed, and one is native to an ephemeral spring in the city of Socorro. We do not expect the Socorro isopod to be exposed to atrazine because the occupied spring is at a higher elevation than any nearby agricultural lands where atrazine may be used. We do not expect atrazine to runoff into the isopod's occupied areas (pers. comm., New Mexico Field Office, 2025).
- The Ash Meadows naucorid and its critical habitat are found primarily in Ash Meadows National Wildlife Refuge, and meltwater lednian stonefly and western glacier stonefly are found primarily in Glacier National Park. Atrazine has not been reported for use on this refuge since at least 2013. The Glacier National Park stoneflies are found in high elevation glacier-fed springs where we expect runoff from agricultural and non-agricultural pesticide use is extremely unlikely.
- The San Bernardino and Three Forks springsnails are found at high elevations where we do not expect the species to be exposed to atrazine runoff. The diminutive amphipod, Pecos amphipod, diamond tryonia, Gonzales tryonia, phantom springsnail, and phantom tryonia occur in springs that are upland of areas where atrazine may be used (USFWS, 2013b), so we expect runoff of atrazine into their habitats will not occur. In addition, critical habitats for these six species occur primarily on state, federal, or protected lands (e.g., The Nature Conservancy) in Texas (USFWS, 2013c) where we do not expect atrazine use will occur. The Socorro springsnail occurs in a privately owned spring where there is little water on the landscape and low likelihood of runoff (USFWS, 2020). The Chupadera springsnail occurs in a single spring in the Rio Grande Valley of New Mexico that is believed to be fed by waters from the Magdalena Mountains (USFWS, 2024b) where we do not expect atrazine to be used. In addition, the Alamosa springsnail and Three Forks springsnail do not overlap with agricultural (i.e., CSB=0) or non-agricultural atrazine use sites; we also do not expect atrazine exposure from agricultural (i.e., CSB=0) or non-agricultural use near their critical habitats.

The Bruneau Hot springsnail occurs in geothermal springs in Idaho that are primarily administered by Bureau of Land Management (USFWS, 2002), and the oblong rocksnail occurs in the Cahaba River in Alabama. Based on atrazine toxicity data for aquatic mollusks, concentrations at which we expect mortality (12,200 µg a.i./L) and sublethal effects (330 µg a.i./L) will not occur based on their habitat preferences and because aquatic mollusks are not sensitive to atrazine. Therefore, we expect that the effects of atrazine exposure on these species

are not expected to reach a scale where they can be meaningfully measured, detected, or evaluated, and are thus considered insignificant.

For the following critical habitats, we expect insignificant effects from atrazine exposure based on EECs for agricultural and non-agricultural atrazine use, after incorporating conservation measures, including those developed using EPA's Herbicide Strategy, : Alabama moccasinshell, Alabama pearlshell, Altamaha spiny mussel, Appalachian elktoe, Atlantic pigtoe, Canoe Creek clubshell, Carolina heelsplitter, Chipola slabshell, Coosa moccasinshell, Cumberland elktoe, Comberlandian combshell, dark pigtoe, fat threeridge (mussel), finelined pocketbook, fluted kidneyshell, fuzzy pigtoe, Gulf moccasinshell, Kentucky creekshell, longsolid, Neosho mucket, Ochlockonee moccasinshell, orangenacre mucket, oval pigtoe, ovate clubshell, oyster mussel, purple bankclimber (mussel), round ebonyshell, round hickorynut, salina mucket, shinyrayed pocketbook, slabside pearly mussel, southern clubshell, southern kidneyshell, southern pigtoe, southern sandshell, Suwannee moccasinshell, tapered pigtoe, triangular kidneyshell, yellow lance, interrupted rocksnail, and rough hornsnail. While these critical habitats include water quality PBFs, we expect the atrazine concentration in their waterbodies to be below levels where any adverse effects to these PBFs are anticipated.

We concur with EPA's "not likely to adversely affect" determinations for these aquatic invertebrates and their critical habitats.

For the following aquatic invertebrates, occupied areas occur near atrazine use sites, we expect atrazine may run off into waterways, and we expect atrazine exposure and EECs to exceed sublethal endpoints, therefore, we did not concur with EPA's "not likely to adversely affect determinations" and analyzed them further in our Opinion: Black Creek crayfish, Miami Cave crayfish, Squirrel Chimney Cave shrimp, and Balcones spike. Similarly, we addressed the following critical habitats in our Opinion: Black Creek crayfish, false spike, Guadalupe orb, Texas fawnsfoot, and Texas pimpleback.

Birds

The EPA made "not likely to adversely affect" determinations for 31 proposed and listed bird species entities and 9 designated and proposed bird critical habitats (Table 6). We concur with most of these determinations.

Table 6. Listed and proposed bird species and designated and proposed bird critical habitats for which EPA made "not likely to adversely affect" determinations. For nine species entities (designated with asterisks below), we did not concur with EPA's "not likely to adversely affect" determinations and we analyzed them further in our Opinion.

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Entity ID	Common Name	Scientific Name	Species or Critical Habitat (CH) Status
3492	Black-capped petrel	<i>Pterodroma hasitata</i>	Endangered
11730	California spotted owl	<i>Strix occidentalis occidentalis</i>	Proposed Threatened
85	Cape Sable seaside sparrow ³	<i>Ammodramus maritima mirabilis</i>	Endangered
11319	Eastern black rail	<i>Laterallus jamaicensis</i> ssp. <i>jamaicensis</i>	Threatened
1221	Everglade snail kite	<i>Rostrhamus sociabilis plumbeus</i>	Endangered
133	Florida grasshopper sparrow ³	<i>Ammodramus savannarum floridanus</i>	Endangered
140*	Florida scrub-jay	<i>Aphelocoma coerulescens</i>	Threatened
139	Golden-cheeked warbler	<i>Setophaga chrysoparia</i>	Endangered
4064*	Gunnison sage-grouse	<i>Centrocercus minimus</i>	Threatened
82	Hawaiian petrel	<i>Pterodroma sandwichensis</i>	Endangered
95	Ivory-billed woodpecker	<i>Campephilus principalis</i>	Endangered
123*	Least Bell's vireo	<i>Vireo bellii pusillus</i>	Endangered
143	Marbled murrelet	<i>Brachyramphus marmoratus</i>	Threatened
89	Masked bobwhite (quail)	<i>Colinus virginianus ridgwayi</i>	Endangered
129	Mexican spotted owl	<i>Strix occidentalis lucida</i>	Threatened
10220	Mt. Rainier white-tailed ptarmigan	<i>Lagopus leucura rainierensis</i>	Threatened
126*	Northern Aplomado falcon	<i>Falco femoralis septentrionalis</i>	Endangered
142	Northern spotted owl	<i>Strix occidentalis caurina</i>	Threatened
130*	Piping plover	<i>Charadrius melodus</i>	Endangered
131*	Piping plover	<i>Charadrius melodus</i>	Threatened
107*	Red-cockaded woodpecker	<i>Picoides borealis</i>	Endangered
135	Roseate tern	<i>Sterna dougallii dougallii</i>	Endangered
136	Roseate tern	<i>Sterna dougallii dougallii</i>	Threatened
8621	Rufa red knot	<i>Calidris canutus rufa</i>	Threatened

³ Species is included in a six-point Pesticide Use Limitation Area (PULA) for sugarcane, guava, and macadamia nuts

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Entity ID	Common Name	Scientific Name	Species or Critical Habitat (CH) Status
88	Short-tailed albatross	<i>Phoebastria (=Diomedea) albatrus</i>	Endangered
149	Southwestern willow flycatcher ³	<i>Empidonax traillii extimus</i>	Endangered
6345	Thick-billed parrot	<i>Rhynchopsitta pachyrhyncha</i>	Endangered
132	Western snowy plover	<i>Charadrius nivosus nivosus</i>	Threatened
124*	Wood stork	<i>Mycteria americana</i>	Threatened
6901*	Yellow-billed cuckoo	<i>Coccyzus americanus</i>	Threatened
84	Yuma Ridgway's rail	<i>Rallus obsoletus yumanensis</i>	Endangered
85	Cape Sable seaside sparrow ⁴	<i>Ammospiza maritima mirabilis</i>	Final CH
1221	Everglade snail kite	<i>Rostrhamus sociabilis plumbeus</i>	Final CH
4064	Gunnison sage-grouse	<i>Centrocercus minimus</i>	Final CH
143	Marbled murrelet	<i>Brachyramphus marmoratus</i>	Final CH
129	Mexican spotted owl	<i>Strix occidentalis lucida</i>	Final CH
142	Northern spotted owl	<i>Strix occidentalis caurina</i>	Final CH
8621	Rufa red knot	<i>Calidris canutus rufa</i>	Proposed CH
149	Southwestern willow flycatcher ^{Error! Bookmark not defined.}	<i>Empidonax traillii extimus</i>	Final CH
132	Western snowy plover	<i>Charadrius nivosus nivosus</i>	Final CH

We expect adverse effects to birds that forage on contaminated prey items on atrazine use sites. We do not expect impacts to birds that consume prey items off-site. Given we do not expect effects to terrestrial animals off-site, we do not expect reductions in prey availability from atrazine exposure.

For many species or designated critical habitats in Table 6, effects are expected to be discountable as exposure to atrazine is extremely unlikely to occur based on land uses within the range, habitat preference of the species, and/or occurrence in protected areas or other sites where atrazine usage is not anticipated.

⁴ Critical habitat is included in a six-point Pesticide Use Limitation Area (PULA) for sugarcane, guava, and macadamia nuts

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

- We proposed to delist the ivory-billed woodpecker with reopened comment period on January 11, 2022, but we have not finalized delisting (USFWS, 2021a). We no longer believe the species is extant in the wild and there are no captive individuals.
- The black-capped petrel, California spotted owl, Cape Sable seaside sparrow, eastern black rail, Everglade snail kite, golden-cheeked warbler (wood), Hawaiian petrel, marbled murrelet, masked bobwhite (quail), Mexican spotted owl, Mt. Rainier white-tailed ptarmigan, northern spotted owl, roseate terns, rufa red knot, short-tailed albatross, southwestern willow flycatcher, thick-billed parrot, and western snowy plover occur in habitats where we expect agricultural and non-agricultural atrazine use will not occur (e.g., forests, sandy beaches, marine areas, canyons, alpine areas).

For several species or designated critical habitats in Table 6, we expect concentrations of atrazine to be below the level for which we expect adverse effects to listed species or their habitats. As such, any effects are expected to be insignificant because they are not anticipated to be meaningfully measured, detected, or evaluated.

- Florida grasshopper sparrows and Yuma Ridgway's rail may fly over or near agricultural fields, but we do not expect them to forage on atrazine use sites.
- For rufa red knot critical habitat, none of the PBFs are relevant to the types that we anticipate will be affected by pesticides (i.e., vegetation composition or structure, arthropod prey, non-arthropod prey, water quality, pollinators, host fish, and habitat function). For the Cape Sable seaside sparrow, Gunnison sage-grouse, marbled murrelet, Mexican spotted owl, and the northern spotted owl, vegetation composition (e.g., sage scrub, chaparral, grassland, riparian, forests) and structure (e.g., dense riparian vegetation, mature forests) are PBFs that may be affected by exposure to atrazine. However, because atrazine use is not expected to occur in the habitats designated as critical habitats for these species, we expect exposure will be discountable. PBFs mentioned for the southwestern willow flycatcher and western snowy plover include “insect prey populations” and “small invertebrates,” which could be impacted by atrazine exposure. While areas of critical habitat for these species may experience offsite runoff, spray drift exposure, and some level of adverse effects to resources that provide food and habitat to birds, we expect, at most, insignificant effects to relevant PBFs will occur because the critical habitats for these species occur in areas where we do not expect atrazine will be used (e.g., dense riparian vegetation, sandy beaches/mud flats).
- The critical habitat designation for the Everglade snail kite was published in the mid-1970s before the Service began using PBFs to describe the essential elements of a species' critical habitat. Based on the habitat requirements discussed in the species' recovery plan and five-year reviews, we glean that the likely essential elements of Everglade snail kite critical habitat—sufficient water bodies for access to Florida apple snails—would not be impacted by exposure to atrazine.

Because they may forage on agricultural or non-agricultural atrazine use sites where we expect EECs to exceed levels where adverse effects occur, we do not concur with EPA's “not likely to

adversely affect” determinations for Florida scrub-jay, Gunnison sage-grouse, Least Bell’s vireo, northern Aplomado falcon, piping plover, red-cockaded woodpecker, wood stork, and yellow-billed cuckoo. We analyzed effects to these species further in our Opinion.

Fishes

EPA made “not likely to adversely affect” determinations for 26 listed and proposed fish species entities and 27 designated fish critical habitats that are under Fish and Wildlife Service jurisdiction (Table 7). We concur with some of these determinations.

Table 7. Listed and proposed fish species and designated and proposed fish critical habitats for which EPA made “not likely to adversely affect” determinations. For 13 species entities and 12 critical habitats (designated with asterisks below), we did not concur with EPA’s “not likely to adversely affect” determinations and we analyzed them further in our Opinion.

Entity ID	Common Name	Scientific Name	Species and Critical Habitat (CH) Status
274	Ash Meadows Amargosa pupfish	<i>Cyprinodon nevadensis mionectes</i>	Endangered
264	Ash Meadows speckled dace	<i>Rhinichthys osculus nevadensis</i>	Endangered
213	Big Bend gambusia	<i>Gambusia gaigei</i>	Endangered
280*	Big Spring spinedace	<i>Lepidomeda mollispinis pratensis</i>	Threatened
265*	Clover Valley speckled dace	<i>Rhinichthys osculus oligoporus</i>	Endangered
266*	Desert dace	<i>Eremichthys acros</i>	Threatened
217	Devil’s Hole pupfish	<i>Cyprinodon diabolis</i>	Endangered
283*	Hiko White River springfish	<i>Crenichthys baileyi grandis</i>	Endangered
209*	Humpback chub	<i>Gila cypha</i>	Threatened
261	Hutton tui chub	<i>Gila bicolor ssp.</i>	Threatened
268*	Independence Valley speckled dace	<i>Rhinichthys osculus lethoporus</i>	Endangered
227	Kendall Warm Springs dace	<i>Rhinichthys osculus thermalis</i>	Endangered
273*	Loach minnow	<i>Tiaroga cobitis</i>	Endangered
2392	Long Valley speckled dace	<i>Rhinichthys nevadensis caldera</i>	Proposed Endangered
218*	Owens pupfish	<i>Cyprinodon radiosus</i>	Endangered
226*	Pahrnagat roundtail chub	<i>Gila robusta jordani</i>	Endangered
223	Paiute cutthroat trout	<i>Oncorhynchus clarkii seleniris</i>	Threatened
271	Pygmy madtom	<i>Noturus stanauli</i>	Endangered

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Entity ID	Common Name	Scientific Name	Species and Critical Habitat (CH) Status
9503	Pygmy madtom	<i>Noturus stanauli</i>	EXPN ⁵
284*	Railroad Valley springfish	<i>Crenichthys nevadae</i>	Threatened
296*	Spikedace	<i>Meda fulgida</i>	Endangered
231	Warm Springs pupfish	<i>Cyprinodon nevadensis pectoralis</i>	Endangered
292	Warner sucker	<i>Catostomus warnerensis</i>	Threatened
282	White River spinedace	<i>Lepidomeda albivallis</i>	Endangered
285*	White River springfish	<i>Crenichthys baileyi baileyi</i>	Endangered
3280*	Zuni bluehead sucker	<i>Catostomus discobolus yarrowi</i>	Endangered
252*	Alabama sturgeon	<i>Scaphirhynchus suttkusi</i>	Final CH
299*	Arkansas River shiner	<i>Notropis girardi</i>	Final CH
274	Ash Meadows Amargosa pupfish	<i>Cyprinodon nevadensis mionectes</i>	Final CH
264	Ash Meadows speckled dace	<i>Rhinichthys osculus nevadensis</i>	Final CH
276	Beautiful shiner	<i>Cyprinella formosa</i>	Final CH
5288	Carolina madtom	<i>Noturus furiosus</i>	Final CH
7150*	Chucky madtom	<i>Noturus crypticus</i>	Final CH
215*	Colorado pikeminnow	<i>Ptychocheilus lucius</i>	Final CH
294*	Conasauga logperch	<i>Percina jenkinsi</i>	Final CH
266	Desert dace	<i>Eremichthys acros</i>	Final CH
275	Desert pupfish	<i>Cyprinodon macularius</i>	Final CH
6557*	Diamond darter	<i>Crystallaria cincotta</i>	Final CH
286*	Atlantic sturgeon (Gulf subspecies)	<i>Acipenser oxyrinchus (=oxyrhynchus) desotoi</i>	Final CH
209*	Humpback chub	<i>Gila cypha</i>	Final CH
287*	June sucker	<i>Chasmistes liorus</i>	Final CH
281	Little Colorado spinedace	<i>Lepidomeda vittata</i>	Final CH
257*	Niangua darter	<i>Etheostoma nianguae</i>	Final CH
279	Pecos bluntnose shiner	<i>Notropis simus pecosensis</i>	Final CH
284	Railroad Valley springfish	<i>Crenichthys nevadae</i>	Final CH
290*	Razorback sucker	<i>Xyrauchen texanus</i>	Final CH
258	Smoky madtom	<i>Noturus baileyi</i>	Final CH
243	Waccamaw silverside	<i>Menidia extensa</i>	Final CH
285	White River springfish	<i>Crenichthys baileyi baileyi</i>	Final CH
314*	White sturgeon	<i>Acipenser transmontanus</i>	Final CH
259	Yaqui catfish	<i>Ictalurus pricei</i>	Final CH

⁵ EXPN = non-essential experimental population

Entity ID	Common Name	Scientific Name	Species and Critical Habitat (CH) Status
263	Yaqui chub	<i>Gila purpurea</i>	Final CH
3280	Zuni bluehead sucker	<i>Catostomus discobolus yarrowi</i>	Final CH

Given the aquatic habitat requirements for fish, none of these species will occur on application sites, which suggests there is no risk of consequences resulting from on-field exposure, though exposure to fish may occur off-field through runoff.

For many species or designated critical habitats in Table 7, effects are expected to be discountable as exposure to atrazine is extremely unlikely to occur based on land uses within the range, habitat preference of the species, and/or occurrence in protected areas or other sites where atrazine usage is not anticipated.

- The Ash Meadows Amargosa pupfish and its critical habitat, Ash Meadows speckled dace and its critical habitat, and Warm Springs pupfish solely occur on Ash Meadows National Wildlife Refuge. The Devils Hole pupfish is endemic to Devils Hole, which is a geographically disjunct unit of Death Valley National Park that is surrounded by Ash Meadows National Wildlife Refuge. Atrazine has not been reported for use on this refuge since at least 2013.
- White River spinedace are only found on protected lands (i.e., Nevada Department of Wildlife). Neither agricultural nor non-agricultural atrazine uses are considered threats to the species.
- Big Bend gambusia is only known from Big Bend National Park lands, where herbicides are rarely used (USFWS, 2023b). Similarly, Kendall Warm Springs dace and Paiute cutthroat trout are only found on property administered by the U.S. Forest Service, and atrazine is not labeled for use for forestry. Herbicides are noted as a low threat to the Kendall Warm Springs dace because the Forest avoids using herbicides when possible and conducts specific consultations when herbicides or other habitat management is needed (USFWS, 2007; USFS, 2022). For the Paiute cutthroat trout, we do not expect agricultural or non-agricultural atrazine use sites occur near the species habitat (USFWS, 2020b).
- The species' range for Hutton tui chub does not occur near agricultural (i.e., CSB=0) or non-agricultural atrazine use sites.
- The Warner sucker is found in a closed basin system fed primarily by snowmelt from surrounding mountains and rainfall.
- Critical habitats for beautiful shiner, Carolina madtom, desert dace, desert pupfish, Little Colorado spinedace, smoky madtom, Waccamaw silverside, White River springfish, Yaqui catfish, Yaqui chub, and zuni bluehead sucker do not occur near agricultural (CSB=0) or non-agricultural atrazine use sites.

For several species or designated critical habitats in Table 7, we expect concentrations of atrazine to be below the level for which we expect adverse effects to listed species or their habitats. As such, any effects are expected to be insignificant because they are not anticipated to be meaningfully measured, detected, or evaluated.

- Based on habitat preferences for the Long Valley speckled dace and pygmy madtom, we expect EECs for agricultural and non-agricultural atrazine use, after incorporating conservation measures, including those developed using EPA’s Herbicide Strategy, are below thresholds where we expect adverse effects.
- For Pecos bluntnose shiner critical habitat, EECs for agricultural and non-agricultural atrazine use, after incorporating conservation measures, including those developed using EPA’s Herbicide Strategy, are below thresholds where we expect adverse effects. While its critical habitat includes a water quality PBF, we expect the atrazine concentration in its waterbodies will be below levels where we would anticipate any adverse effects to occur to this PBF.

Because occupied areas occur near atrazine use sites, we expect atrazine may run off into waterways and atrazine EECs will exceed sublethal endpoints, we did not concur with EPA’s “not likely to adversely affect determinations” and analyzed the following fish further in our Opinion: Big Spring spinedace, Clover Valley speckled dace, desert dace, Hiko White River springfish, humpback chub, Independence Valley speckled dace, loach minnow, Owens pupfish, Pahrangat roundtail chub, Railroad Valley springfish, spikedace, White River springfish, and Zuni bluehead sucker. Similarly, we addressed the following fish critical habitats in our Opinion: Alabama sturgeon, Arkansas River shiner, chunky madtom, Colorado pikeminnow, Conasauga logperch, diamond darter, humpback chub, June sucker, Niangua darter, razorback sucker, and white sturgeon.

Mammals

The EPA made “not likely to adversely affect” determinations for 37 listed and proposed mammal species and 14 designated and proposed mammal critical habitats under Fish and Wildlife Service jurisdiction (Table 8). We concur with most of EPA’s mammal determinations.

Table 8. Listed and proposed mammal species and designated and proposed mammal critical habitats for which EPA made “not likely to adversely affect” determinations. For three species and one critical habitat (designated with asterisks below), we did not concur with EPA’s “not likely to adversely affect” determinations, so we analyzed them further in our Opinion.

Entity ID	Common Name	Scientific Name	Species or Critical Habitat (CH) Status
41	Alabama beach mouse	<i>Peromyscus polionotus ammobates</i>	Endangered

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Entity ID	Common Name	Scientific Name	Species or Critical Habitat (CH) Status
5	Black-footed ferret	<i>Mustela nigripes</i>	Endangered
7572	Black-footed ferret	<i>Mustela nigripes</i>	EXP ⁶
24	Canada lynx	<i>Lynx canadensis</i>	Threatened
34	Choctawhatchee beach mouse	<i>Peromyscus polionotus alloparys</i>	Endangered
8	Florida panther	<i>Puma (=Felis) concolor coryi</i>	Endangered
60	Florida salt marsh vole	<i>Microtus pennsylvanicus dukecampbelli</i>	Endangered
21	Gray bat	<i>Myotis grisescens</i>	Endangered
2	Grizzly bear	<i>Ursus arctos horribilis</i>	Threatened
12372	Grizzly bear	<i>Ursus arctos horribilis</i>	EXP
22	Gulf Coast jaguarundi ⁷	<i>Puma yagouaroundi cacomitli</i>	Endangered
18	Jaguar	<i>Panthera onca</i>	Endangered
31	Key Largo cotton mouse	<i>Peromyscus gossypinus allapaticola</i>	Endangered
32	Key Largo woodrat	<i>Neotoma floridana smalli</i>	Endangered
46	Lower Keys marsh rabbit	<i>Sylvilagus palustris hefneri</i>	Endangered
13	Mexican wolf	<i>Canis lupus baileyi</i>	Endangered
10484	Mexican wolf	<i>Canis lupus baileyi</i>	EXP
43	Mount Graham red squirrel	<i>Tamiasciurus fremonti grahamensis</i>	Endangered
5210	New Mexico meadow jumping mouse	<i>Zapus hudsonius luteus</i>	Endangered
4016	North American wolverine	<i>Gulo gulo luscus</i>	Threatened
10043*	Northern long-eared bat	<i>Myotis septentrionalis</i>	Endangered
30	Ocelot ⁷	<i>Leopardus (=Felis) pardalis</i>	Endangered
25	Ozark big-eared bat	<i>Corynorhinus (=Plecotus) townsendii ingens</i>	Endangered
10078	Pacific Marten, Coastal DPS	<i>Martes caurina</i>	Threatened

⁶ EXP = non-essential experimental population

⁷ Species is included in a six-point Pesticide Use Limitation Area (PULA) for sugarcane, guava, and macadamia nuts

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Entity ID	Common Name	Scientific Name	Species or Critical Habitat (CH) Status
35	Perdido Key beach mouse	<i>Peromyscus polionotus trissyllepsis</i>	Endangered
52	Preble's meadow jumping mouse	<i>Zapus hudsonius preblei</i>	Threatened
1240	Pygmy rabbit	<i>Brachylagus idahoensis</i>	Endangered
14*	Red wolf	<i>Canis rufus</i>	Endangered
11260	Sierra Nevada red fox	<i>Vulpes vulpes necator</i>	Endangered
29	Silver rice rat	<i>Oryzomys palustris natator</i>	Endangered
9	Sonoran pronghorn	<i>Antilocapra americana sonoriensis</i>	Endangered
10141	Sonoran pronghorn	<i>Antilocapra americana sonoriensis</i>	EXPN
53	Southeastern beach mouse ⁷	<i>Peromyscus polionotus niveiventris</i>	Threatened
33	Southern mountain caribou	<i>Rangifer tarandus</i> ssp. <i>caribou</i>	Endangered
54	St. Andrew beach mouse	<i>Peromyscus polionotus peninsularis</i>	Endangered
20	Utah prairie dog	<i>Cynomys parvidens</i>	Threatened
27*	Virginia big-eared bat	<i>Corynorhinus</i> (=Plecotus) <i>townsendii virginianus</i>	Endangered
41	Alabama beach mouse	<i>Peromyscus polionotus ammobates</i>	Final CH
24	Canada lynx	<i>Lynx canadensis</i>	Final CH
34	Choctawhatchee beach mouse	<i>Peromyscus polionotus allophrys</i>	Final CH
2	Grizzly bear	<i>Ursus arctos horribilis</i>	Proposed CH
18	Jaguar	<i>Panthera onca</i>	Final CH
31	Key Largo cotton mouse	<i>Peromyscus gossypinus allapaticola</i>	Proposed CH
43	Mount Graham red squirrel	<i>Tamiasciurus fremonti grahamensis</i>	Final CH
5210*	New Mexico meadow jumping mouse	<i>Zapus hudsonius luteus</i>	Final CH

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Entity ID	Common Name	Scientific Name	Species or Critical Habitat (CH) Status
10078	Pacific marten, Coastal DPS	<i>Martes caurina</i>	Final CH
56	Peninsular bighorn sheep ⁸	<i>Ovis canadensis nelsoni</i>	Final CH
35	Perdido Key beach mouse	<i>Peromyscus polionotus trissyllepsis</i>	Final CH
29	Silver rice rat	<i>Oryzomys palustris natator</i>	Final CH
33	Southern mountain caribou	<i>Ovis canadensis sierrae</i>	Final CH
54	St. Andrew beach mouse	<i>Peromyscus polionotus peninsularis</i>	Final CH

We expect adverse effects to mammals that forage on contaminated prey items on atrazine use sites. We do not expect impacts to mammals that consume prey items off-site. Given we do not expect effects to terrestrial animals off-site, we do not expect reductions in prey availability from atrazine exposure.

For many species or designated critical habitats in Table 8, effects are expected to be discountable as exposure to atrazine is extremely unlikely to occur based on land uses within the range, habitat preference of the species, and/or occurrence in protected areas or other sites where atrazine usage is not anticipated.

- For the Canada lynx, Choctawhatchee beach mouse, Florida panther, Florida salt marsh vole, Key Largo cotton mouse, Key Largo woodrat, lower Keys marsh rabbit, Mexican wolf, Mount Graham red squirrel, North American wolverine, Ozark big-eared bat, Pacific marten, Perdido Key beach mouse, Sierra Nevada red fox, silver rice rat, southern mountain caribou, and St. Andrew beach mouse, we do not expect atrazine will be used on or near their preferred habitats (e.g., sandy beaches, forests, remote or mountainous areas).
- For the Alabama beach mouse, black-footed ferret, gray bat, grizzly bear, Gulf Coast jaguarundi, jaguar, New Mexico meadow jumping mouse, ocelot, Preble's meadow jumping mouse, pygmy rabbit, Sonoran pronghorn, southeastern beach mouse, and Utah prairie dog, we do not expect them to occur on non-agricultural use sites or forage on agricultural fields where atrazine may be used. Though the Utah prairie dog forages and

⁸ Critical habitat is included in a six-point Pesticide Use Limitation Area (PULA) for sugarcane, guava, and macadamia nuts

burrows on alfalfa fields and Preble’s meadow jumping mouse may occur on alfalfa hayfields, atrazine is not labeled for use on alfalfa.

- The remaining mammal critical habitats in Table 8 occur where we expect atrazine will not be used, and the critical habitat PBFs focus on features that would not be affected by atrazine exposure (e.g., forest characteristics for Canada lynx, grizzly bear, Key Largo cotton mouse, Pacific marten, and southern mountain caribou; coastal and dune vegetation for beach mice).

The northern long-eared bat, red wolf, and Virginia big-eared bat occur on agricultural or non-agricultural atrazine use sites, so we do not concur with EPA’s “not likely to adversely affect” determinations. In addition, for the New Mexico meadow jumping mouse critical habitat, aquatic vegetation, including forbs and herbs, is included as a PBF, and we expect effects could occur to this critical habitat from atrazine use. Therefore, we included these species and critical habitat in our Opinion.

Reptiles

The EPA made “not likely to adversely affect” determinations for 37 listed and proposed reptile species entities and 16 proposed and designated reptile critical habitats (Table 9). We concur with most of EPA’s reptile determinations.

Table 9. Listed and proposed reptile species and designated and proposed reptile critical habitats for which EPA made “not likely to adversely affect” determinations. For four species and three critical habitats (designated with asterisks below), we did not concur with EPA’s “not likely to adversely affect” determinations, so we analyzed them further in our Opinion.

Entity ID	Common Name	Scientific Name	Species or Critical Habitat (CH) Status
168	Alabama red-bellied turtle	<i>Pseudemys alabamensis</i>	Endangered
4936	Alligator snapping turtle	<i>Macrochelys temminckii</i>	Proposed Threatened
176	American crocodile	<i>Crocodylus acutus</i>	Threatened
167	Atlantic salt marsh snake	<i>Nerodia clarkii taeniata</i>	Threatened
6097	Black pinesnake	<i>Pituophis melanoleucus lodingi</i>	Threatened

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Entity ID	Common Name	Scientific Name	Species or Critical Habitat (CH) Status
178	Blue-tailed mole skink ⁹	<i>Eumeces egregius lividus</i>	Threatened
182	Bog turtle ¹⁰	<i>Glyptemys muhlenbergii</i>	Threatened
12358	Bolson tortoise	<i>Gopherus flavomarginatus</i>	Endangered
180	Copperbelly water snake	<i>Nerodia erythrogaster neglecta</i>	Threatened
185*	Desert tortoise	<i>Gopherus agassizii</i>	Threatened
3064	Dunes sagebrush lizard	<i>Sceloporus arenicolus</i>	Endangered
7800	Eastern massasauga (=rattlesnake)	<i>Sistrurus catenatus</i>	Threatened
169	Flattened musk turtle	<i>Sternotherus depressus</i>	Threatened
11191	Green sea turtle	<i>Chelonia mydas</i>	Threatened
11192	Green sea turtle	<i>Chelonia mydas</i>	Threatened
153	Hawksbill sea turtle	<i>Eretmochelys imbricata</i>	Endangered
155	Kemp's ridley sea turtle	<i>Lepidochelys kempii</i>	Endangered
2084	Key ring-necked snake	<i>Diadophis punctatus acricus</i>	Proposed Endangered
154	Leatherback sea turtle	<i>Dermochelys coriacea</i>	Endangered
9707	Loggerhead sea turtle	<i>Caretta caretta</i>	Threatened
9941	Loggerhead sea turtle	<i>Caretta caretta</i>	Endangered
3722	Louisiana pinesnake	<i>Pituophis ruthveni</i>	Threatened
3271	Narrow-headed gartersnake	<i>Thamnophis rufipunctatus</i>	Threatened
166	New Mexican ridge-nosed rattlesnake	<i>Crotalus willardi obscurus</i>	Threatened

⁹ Species is included in a six-point Pesticide Use Limitation Area (PULA) for sugarcane, guava, and macadamia nuts

¹⁰ Species is included in a six-point Pesticide Use Limitation Area (PULA) for all agricultural uses

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Entity ID	Common Name	Scientific Name	Species or Critical Habitat (CH) Status
1783	Northern Mexican gartersnake	<i>Thamnophis eques megalops</i>	Threatened
1686	Northwestern pond turtle	<i>Actinemys marmorata</i>	Proposed Threatened
5989	Olive ridley sea turtle	<i>Lepidochelys olivacea</i>	Endangered
11660	Pearl River map turtle	<i>Graptemys pearlensis</i>	Threatened
170*	Plymouth redbelly turtle (=Plymouth redbelly cooter)	<i>Pseudemys rubriventris bangsi</i>	Endangered
5944	Rim rock crowned snake ⁹	<i>Tantilla oolitica</i>	Proposed Endangered
171	Ringed map turtle	<i>Graptemys oculifera</i>	Threatened
179*	Sand skink	<i>Neoseps reynoldsi</i>	Threatened
10253*	Short-tailed snake	<i>Stilosoma extenuatum</i>	Proposed Threatened
6620	Sonoyta mud turtle	<i>Kinosternon sonoriense longifemorale</i>	Endangered
5248	Southwestern pond turtle	<i>Actinemys pallida</i>	Proposed Threatened
11657	Suwannee alligator snapping turtle	<i>Macrochelys suwanniensis</i>	Threatened
172	Yellow-blotched map turtle	<i>Graptemys flavimaculata</i>	Threatened
6097	Black pinesnake	<i>Pituophis melanoleucus lodingi</i>	Final CH
1583	Cedar Key mole skink	<i>Plestiodon egregius insularis</i>	Proposed CH
185	Desert tortoise	<i>Gopherus agassizii</i>	Final CH
11191	Green sea turtle	<i>Chelonia mydas</i>	Final CH
11192	Green sea turtle	<i>Chelonia mydas</i>	Final CH
155	Kemp's ridley sea turtle	<i>Lepidochelys kempii</i>	Proposed CH

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Entity ID	Common Name	Scientific Name	Species or Critical Habitat (CH) Status
2084	Key ring-necked snake	<i>Diadophis punctatus acricus</i>	Proposed CH
154	Leatherback sea turtle	<i>Dermochelys coriacea</i>	Final CH
9707	Loggerhead sea turtle	<i>Caretta caretta</i>	Final CH
3722	Louisiana pinesnake	<i>Pituophis ruthveni</i>	Proposed CH
3271*	Narrow-headed gartersnake	<i>Thamnophis rufipunctatus</i>	Final CH
166	New Mexican ridge-nosed rattlesnake	<i>Crotalus willardi obscurus</i>	Final CH
1783*	Northern Mexican gartersnake	<i>Thamnophis eques megalops</i>	Final CH
170*	Plymouth redbelly turtle (Plymouth redbelly cooter)	<i>Pseudemys rubriventris bangsi</i>	Final CH
5944	Rim rock crowned snake ¹¹	<i>Tantilla oolitica</i>	Proposed CH
6620	Sonoyta mud turtle	<i>Kinosternon sonoriense longifemorale</i>	Final CH

We expect adverse effects to reptiles that forage on contaminated prey items on atrazine use sites. We do not expect impacts to reptiles that consume prey items off-site. Given we do not expect effects to terrestrial animals off-site, we do not expect reductions in prey availability from atrazine exposure.

For many species or designated critical habitats in Table 9, effects are expected to be discountable as exposure to atrazine is extremely unlikely to occur based on land uses within the range, habitat preference of the species, and/or occurrence in protected areas or other sites where atrazine usage is not anticipated.

- The Bolson tortoise was reintroduced on a private property with a Safe Harbor Agreement and at Sevilleta National Wildlife Refuge, and both populations are managed for conservation (pers. comm., New Mexico Field Office, 2025). Therefore, we do not expect atrazine will be used near the Bolson tortoise or its habitat.

¹¹ Critical habitat is included in a six-point Pesticide Use Limitation Area (PULA) for sugarcane, guava, and macadamia nuts

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

- The Sonoyta mud turtle occurs in fresh water and depends on aquatic habitat and nearby terrestrial habitat. Their aquatic habitats include streams and natural and manmade ponds, and they are opportunistic carnivores that feed on aquatic invertebrates. The U.S. portions of the Sonoyta mud turtle range and critical habitat are entirely on lands managed by the National Park Service (Quitobaquito Springs, Organ Pipe Cactus National Monument) where we do not expect atrazine use sites occur.
- The Alabama red-belly turtle, alligator snapping turtle, Atlantic salt marsh snake, black pine snake, blue-tailed mole skink, dunes sagebrush lizard, eastern massasauga, flattened musk turtle, Key ring-necked snake, Louisiana pine snake, narrow-headed gartersnake, New Mexican ridge-nosed rattlesnake, northwestern pond turtle, Pearl River map turtle, rim rock crowned snake, ringed map turtle, southwestern pond turtle, Suwannee alligator snapping turtle, and yellow-blotched map turtle do not forage on agricultural or non-agricultural atrazine use sites.
- Critical habitats for the Cedar Key mole skink, desert tortoise, Key ring-necked snake, New Mexican ridge-nosed rattlesnake, northern Mexican gartersnake, and rim rock crowned snake do not overlap with agricultural (i.e., CSB=0) or non-agricultural atrazine use sites.
- The black pine snake and Louisiana pine snake critical habitat PBFs focus on forest structure, including herbaceous vegetation, but we expect discountable exposure to forest understory from atrazine exposure.

For several species or designated critical habitats in Table 9, we expect concentrations of atrazine to be below the level for which we expect adverse effects to listed species or their habitats. As such, any effects are expected to be insignificant because they are not anticipated to be meaningfully measured, detected, or evaluated.

- For the green sea turtle, hawksbill sea turtle, Kemp's ridley sea turtle, leatherback sea turtle, loggerhead sea turtle, and olive ridley sea turtle, we share federal jurisdiction with the National Marine Fisheries Service (NMFS). We have lead responsibility on nesting beaches, and NMFS has lead responsibility on the marine environment. Therefore, our conclusions apply for sea turtles while in terrestrial habitats (i.e., on beaches). All sea turtles lay eggs on beaches, and at least one species (e.g., green sea turtles in Hawai'i) uses beaches to bask. We anticipate sea turtle exposures will be through contact with spray drift or consumption of contaminated food items (i.e., invertebrates or fish) while they are near shore. We expect exposure to sea turtle eggs through spray drift from nearby agricultural fields depositing on top of nests then penetrating through sand to contact egg surfaces to result in insignificant effects. Because sea turtles do not forage while on land, we do not expect dietary exposure in terrestrial habitat. We do not expect atrazine will cause more than insignificant effects to prey availability. We also expect that atrazine will not accumulate in marine prey items, therefore, dietary exposure will cause no more than insignificant effects. Critical habitats for green, Hawksbill, Kemp's ridley, leatherback, and loggerhead sea turtles either do not include PBF definitions (e.g., Hawksbill) or we do not expect PBFs will be affected by atrazine (e.g., green). For more information, see the sea turtle qualitative effects analyses in the BE (Chapter 4).

- The American crocodile is an opportunistic feeder and may occur and rarely forage on residential or agricultural areas, but they primarily feed in water or on aquatic edges. Similarly, the copperbelly water snake typically feeds in aquatic areas and has been observed to forage on terrestrial areas, which could rarely include an atrazine use site. However, we expect feeding on atrazine use sites is rare and extremely unlikely to lead to dietary concentrations of atrazine from which an individual of either species would experience adverse effects.
- Bog turtles may hibernate in agricultural and other man-made ditches, but they are not known to forage on these sites. We expect this level of atrazine exposure to be below which adverse effects would be measurable.

We do not concur with EPA’s “not likely to adversely affect” determinations for the desert tortoise, Plymouth redbelly turtle, sand skink, short-tailed snake, or critical habitats for the narrow-headed gartersnake, northern Mexican gartersnake, or Plymouth redbelly turtle. Critical habitat PBFs for the narrow-headed gartersnake (USFWS, 2021b) and northern Mexican gartersnake (USFWS, 2021c) include “dense aquatic and wetland vegetation”, and both critical habitats overlap atrazine use sites. Plymouth redbelly turtle critical habitat overlaps with atrazine use sites, and essential features are defined in the 1980 final critical habitat rule to include aquatic vegetation (USFWS, 1980). Therefore, we analyzed these species and critical habitats further in our Opinion.

Terrestrial Invertebrates (Arachnids, Terrestrial Insects, Snails)

The EPA made “not likely to adversely affect” determinations for 46 listed and proposed terrestrial invertebrate species and 16 designated and proposed terrestrial invertebrate critical habitats (Table 10). We concur with most of these “not likely to adversely affect” determinations.

Table 10. Listed and proposed terrestrial invertebrate species and designated and proposed terrestrial invertebrate critical habitats for which EPA made “not likely to adversely affect” determinations. For four species and four critical habitats (designated with asterisks below), we did not concur with EPA’s “not likely to adversely affect” determinations and we analyzed them further in our Opinion.

Taxa	Entity ID	Common Name	Scientific Name	Species and Critical Habitat (CH) Status
Arachnids	464	Bee Creek Cave harvestman	<i>Texella reddelli</i>	Endangered
Arachnids	465	Bone Cave harvestman	<i>Texella reyesi</i>	Endangered
Arachnids	469	Cokendolpher Cave harvestman	<i>Texella cokendolpheri</i>	Endangered

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa	Entity ID	Common Name	Scientific Name	Species and Critical Habitat (CH) Status
Arachnids	473	Government Canyon Bat Cave meshweaver	<i>Cicurina vespera</i>	Endangered
Arachnids	470	Government Canyon Bat Cave spider	<i>Tayshaneta microps</i>	Endangered
Arachnids	471	Madla Cave meshweaver	<i>Cicurina madla</i>	Endangered
Arachnids	472	Robber Baron Cave meshweaver	<i>Cicurina baronia</i>	Endangered
Arachnids	468	Spruce-fir moss spider	<i>Microhexura montivaga</i>	Endangered
Arachnids	466	Tooth Cave pseudoscorpion	<i>Tartarocreagris texana</i>	Endangered
Arachnids	467	Tooth Cave spider	<i>Tayshaneta myopica</i>	Endangered
Insects	459	[no common name] beetle	<i>Rhadine infernalis</i>	Endangered
Insects	461	[no common name] beetle	<i>Rhadine exilis</i>	Endangered
Insects	440	American burying beetle	<i>Nicrophorus americanus</i>	Threatened
Insects	10161	American burying beetle	<i>Nicrophorus americanus</i>	EXP ¹²
Insects	5067	Bartram's scrub-hairstreak butterfly	<i>Strymon acis bartrami</i>	Endangered
Insects	6400	Bog buck moth ¹³	<i>Hemileuca maia menyanthevora</i> (= <i>H. iroquois</i>)	Endangered
Insects	447	Coffin Cave mold beetle	<i>Batrisodes texanus</i>	Endangered
Insects	3412	Dakota skipper	<i>Hesperia dacotae</i>	Threatened
Insects	11740	Eastern regal fritillary	<i>Argynnis idalia idalia</i>	Proposed Endangered
Insects	8083	Florida leafwing butterfly ¹⁴	<i>Anaea troglodyta floridalis</i>	Endangered
Insects	5066*	Franklin's bumble bee	<i>Bombus franklini</i>	Endangered
Insects	460	Helotes mold beetle	<i>Batrisodes ventyvi</i>	Endangered
Insects	445*	Hine's emerald dragonfly	<i>Somatochlora hineana</i>	Endangered
Insects	448	Kretschmarr Cave mold beetle	<i>Texamaurops reddelli</i>	Endangered
Insects	4508	Miami blue butterfly	<i>Cyclargus thomasi bethunebakeri</i>	Endangered
Insects	10909	Miami tiger beetle ¹⁴	<i>Cicindelidia floridana</i>	Endangered

¹² EXPN = non-essential experimental population

¹³ Species is included in a six-point Pesticide Use Limitation Area (PULA) for all agricultural uses

¹⁴ Species is included in a six-point Pesticide Use Limitation Area (PULA) for sugarcane, guava, and macadamia nuts

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa	Entity ID	Common Name	Scientific Name	Species and Critical Habitat (CH) Status
Insects	424	Mitchell's satyr butterfly ¹³	<i>Neonympha mitchellii mitchellii</i>	Endangered
Insects	9001	Mount Charleston blue butterfly	<i>Icaricia (Plebejus) shasta charlestonensis</i>	Endangered
Insects	442	Northeastern beach tiger beetle	<i>Habroscelimorpha dorsalis dorsalis</i>	Threatened
Insects	434	Pawnee montane skipper	<i>Hesperia leonardus montana</i>	Threatened
Insects	443	Puritan tiger beetle	<i>Ellipsoptera puritana</i>	Threatened
Insects	426*	Quino checkerspot butterfly	<i>Euphydryas editha quino</i> (=E. e. wrighti)	Endangered
Insects	1260	Sacramento Mountains checkerspot butterfly	<i>Euphydryas anicia cloudcrofti</i>	Endangered
Insects	455*	Saint Francis' satyr butterfly	<i>Neonympha mitchellii francisci</i>	Endangered
Insects	4910	Salt Creek Tiger beetle	<i>Cicindela nevadica lincolniana</i>	Endangered
Insects	429	Schaus swallowtail butterfly	<i>Heraclides aristodemus ponceanus</i>	Endangered
Insects	1324	Silverspot	<i>Speyeria nokomis nokomis</i>	Threatened
Insects	449	Tooth Cave ground beetle	<i>Rhadine persephone</i>	Endangered
Insects	437	Uncompahgre fritillary butterfly	<i>Boloria acrocneuma</i>	Endangered
Snails	389	Chittenango ovate amber snail	<i>Novisuccinea chittenangoensis</i>	Threatened
Snails	390	Flat-spined three-toothed snail	<i>Triodopsis platysayoides</i>	Threatened
Snails	391	Iowa Pleistocene snail	<i>Discus macclintocki</i>	Endangered
Snails	392	Noonday snail	<i>Mesodon clarki nantahala</i>	Threatened
Snails	393	Painted snake coiled forest snail	<i>Anguispira picta</i>	Threatened
Snails	394	Stock Island tree snail	<i>Orthalicus reses</i> (not incl. <i>nesodryas</i>)	Threatened
Snails	395	Virginia fringed mountain snail	<i>Polygyriscus virginianus</i>	Endangered
Arachnids	469	Cokendolpher Cave harvestman	<i>Texella cokendolpheri</i>	Final CH
Arachnids	471	Madla Cave meshweaver	<i>Cicurina madla</i>	Final CH

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa	Entity ID	Common Name	Scientific Name	Species and Critical Habitat (CH) Status
Arachnids	472	Robber Baron Cave meshweaver	<i>Cicurina baronia</i>	Final CH
Arachnids	468	Spruce-fir moss spider	<i>Microhexura montivaga</i>	Final CH
Insects	5067*	Bartram's scrub-hairstreak butterfly	<i>Strymon acis bartrami</i>	Final CH
Insects	3412*	Dakota skipper	<i>Hesperia dacotae</i>	Final CH
Insects	8083*	Florida leafwing butterfly	<i>Anaea troglodyta floridalis</i>	Final CH
Insects	460	Helotes mold beetle	<i>Batrisodes ventyivi</i>	Final CH
Insects	445*	Hine's emerald dragonfly	<i>Somatochlora hineana</i>	Final CH
Insects	10909	Miami tiger beetle ¹⁵	<i>Cicindelidia floridana</i>	Final CH
Insects	9001	Mount Charleston blue butterfly	<i>Icaricia (Plebejus) shasta charlestonensis</i>	Final CH
Insects	431	Oregon silverspot butterfly	<i>Speyeria zerene hippolyta</i>	Final CH
Insects	434	Pawnee montane skipper	<i>Hesperia leonardus montana</i>	Proposed CH
Insects	426	Quino checkerspot butterfly ¹⁵	<i>Euphydryas editha quino</i> (=E. e. wrighti)	Final CH
Insects	1260	Sacramento Mountains checkerspot butterfly	<i>Euphydryas anicia cloudcrofti</i>	Proposed CH
Insects	4910	Salt Creek tiger beetle	<i>Cicindela nevadica lincolniana</i>	Final CH

For many species or designated critical habitats in Table 10, effects are expected to be discountable as exposure to atrazine is extremely unlikely to occur based on land uses within the range, habitat preference of the species, and/or occurrence in protected areas or other sites where atrazine usage is not anticipated.

- The Mount Charleston blue butterfly, Pawnee montane skipper, spruce-fir moss spider, Sacramento Mountains checkerspot butterfly, Uncompahgre fritillary butterfly, and silverspot are found in high-elevation mountainous areas where we do not expect agricultural or non-agricultural atrazine use to occur. Thus, we expect the likelihood of any individuals being exposed is so remote as to be discountable. Critical habitats for the Mount Charleston blue butterfly, and Sacramento Mountains checkerspot butterfly do not overlap agricultural (i.e., CSB = 0) or non-agricultural atrazine use sites.

¹⁵ Critical habitat is included in a six-point Pesticide Use Limitation Area (PULA) for sugarcane, guava, and macadamia nuts

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

- We did not define PBFs for the Pawnee montane skipper's critical habitat, but we mentioned the species requires bunchgrasses. Though there is no shapefile available for the Pawnee montane skipper, its critical habitat is a portion of its range where we do not expect agricultural or non-agricultural atrazine use.
- The spruce-fir moss spider critical habitat rule mentions that the critical habitat may be affected by pesticide or herbicide use for controlling noxious species (i.e., habitat function), which we do not expect to be affected by atrazine use due to the habitat's distance from atrazine use sites. Spruce-fir moss spider critical habitats are also in mountainous areas where we expect atrazine use will not occur.
- The American burying beetle, bog buck moth, Chittanooga ovate amber snail, Dakota skipper, flat-spined three-toothed snail, Iowa Pleistocene snail, meltwater lednian stonefly, Miami blue butterfly, Mitchells satyr butterfly, noonday snail, northeastern beach tiger beetle, painted snake coiled forest snail, Schaus swallowtail butterfly, Stock Island tree snail, Virginia fringed mountain snail, and western glacier stonefly occur in habitat types (e.g., arid and sandy areas, naturally eroding cliffs, forests, native grasslands) or remote locations where we do not expect agricultural or non-agricultural atrazine use.
- The eastern regal fritillary only occurs on Fort Indiantown Gap National Guard Training Center property, and it does not occur in degraded areas like croplands or development because they require native prairie and grasslands.
- The Bartram's scrub-hairstreak butterfly, Florida leafwing butterfly, and Miami tiger beetle are found in pine rockland habitats in Florida where we expect atrazine will not be used. All but one acre of the Miami tiger beetle's designated critical habitat is managed for conservation publicly or privately.
- The Oregon silverspot butterfly's critical habitat does not overlap agricultural or non-agricultural uses of atrazine.

For several species or designated critical habitats in Table 10, we expect concentrations of atrazine to be below the level for which we expect adverse effects to listed species or their habitats. As such, any effects are expected to be insignificant because they are not anticipated to be meaningfully measured, detected, or evaluated.

- The two *Rhadine* beetles, Bee Creek Cave harvestman, Bone Cave harvestman, Coffin Cave mold beetle, Cokendolpher Cave harvestman, Government Canyon Bat Cave meshweaver, Government Canyon Bat Cave spider, Helotes mold beetle, Kretschmarr Cave mold beetle, Madla Cave meshweaver, Robber Baron Cave meshweaver, Tooth Cave ground beetle, Tooth Cave pseudoscorpion, and Tooth Cave spider occur in caves, as do any designated critical habitats for these species. Due to the aqueous half-life of atrazine, it is possible that there are still measurable levels present in the water as it enters the cave. While we expect recharge of karst cave systems, or the process of aboveground water reaching the groundwater supply, will often take weeks to months, the aqueous half-life of atrazine is long enough to be present within this time-period. However, we

expect atrazine EECs for both non-agricultural and agricultural uses, after accounting for conservation measures, including those developed using EPA's Herbicide Strategy, will be below the threshold at which we anticipate adverse effects to occur.

- The Quino checkerspot butterfly's critical habitat PBFs do not include any features (i.e., plants) that would be affected by atrazine exposure.
- The Salt Creek tiger beetle forages in saline wetlands, mud flats, and streambanks with salt deposits. We do not expect the species to forage on agricultural or non-agricultural atrazine use sites. In addition, their critical habitat PBFs include "vegetated wetlands", that are used for shelter (i.e., shade), sources of prey, and protection of core habitats. Atrazine will adversely affect sensitive plants, but we do not expect atrazine exposure to significantly change the structure of exposed vegetated wetlands in the Salt Creek tiger beetle's critical habitat.

We do not concur with EPA's "not likely to adversely affect" determinations for the Franklin's bumble bee, Hine's emerald dragonfly, Saint Francis' satyr butterfly, Quino checkerspot butterfly, or critical habitats for the Bartram's scrub-hairstreak butterfly, Dakota skipper, Florida leafwing butterfly, or Hine's emerald dragonfly. Critical habitat PBFs for these species include herbaceous vegetation that would be affected by atrazine exposure. Therefore, we analyzed these species and critical habitats further in our Opinion.

Plants

The EPA made "not likely to adversely affect" determinations for 94 listed and proposed plant species and 25 designated and proposed plant critical habitats (Table 11). We concur with these determinations.

Table 11. Listed and proposed plant species and designated and proposed plant critical habitats for which EPA made “not likely to adversely affect” determinations. We concur with EPA’s “not likely to adversely affect” determinations for these species and critical habitats.

Taxa	Entity ID	Common Name	Scientific Name	Species and Critical Habitat (CH) Status
Dicot	7054	Acuña cactus	<i>Echinomastus erectocentrus</i> var. <i>acunensis</i>	Endangered
Dicot	703	Arizona hedgehog cactus	<i>Echinocereus arizonicus</i> ssp. <i>arizonicus</i>	Endangered
Dicot	813	Autumn buttercup	<i>Ranunculus aestivalis</i> (= <i>acriiformis</i>)	Endangered
Dicot	749	Barneby ridge-cress	<i>Lepidium barnebyanum</i>	Endangered
Dicot	5797	Bartram’s stonecrop	<i>Graptopetalum bartramii</i>	Threatened
Dicot	2884	Beardless cinchweed	<i>Pectis imberbis</i>	Endangered
Dicot	7136	Big Pine partridge pea	<i>Chamaecrista lineata</i> <i>keyensis</i>	Endangered
Dicot	1004	Blue Ridge goldenrod	<i>Solidago spithamea</i>	Threatened
Dicot	791	Brady pincushion cactus	<i>Pediocactus bradyi</i>	Endangered
Dicot	630	Braun’s rock-cress	<i>Arabis perstellata</i>	Endangered
Dicot	681	Bunched cory cactus	<i>Coryphantha ramillosa</i>	Threatened
Dicot	925	Chisos Mountain hedgehog cactus	<i>Echinocereus chisoensis</i> var. <i>chisoensis</i>	Threatened
Dicot	796	Clay phacelia	<i>Phacelia argillacea</i>	Endangered
Dicot	1149	Clay reed-mustard	<i>Schoenocrambe argillacea</i>	Threatened
Dicot	744	Cooley's water-willow	<i>Justicia cooleyi</i>	Endangered
Dicot	704	Davis’ green pitaya	<i>Echinocereus viridiflorus</i> var. <i>davisii</i>	Endangered
Dicot	1174	Desert yellowhead	<i>Yermo xanthocephalus</i>	Threatened

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa	Entity ID	Common Name	Scientific Name	Species and Critical Habitat (CH) Status
Dicot	1125	Dudley Bluffs bladderpod	<i>Lesquerella congesta</i>	Threatened
Dicot	1061	Dudley Bluffs twinpod	<i>Physaria obcordata</i>	Threatened
Dicot	4179	Fickeisen plains cactus	<i>Pediocactus peeblesianus</i> ssp. <i>fickeiseniae</i>	Endangered
Dicot	1525	Florida semaphore cactus	<i>Consolea corallicola</i>	Endangered
Dicot	831	Fringed campion	<i>Silene polypetala</i>	Endangered
Dicot	9929	Gierisch mallow	<i>Sphaeralcea gierischii</i>	Endangered
Dicot	819	Green pitcher-plant	<i>Sarracenia oreophila</i>	Endangered
Dicot	888	Heliotrope milk-vetch	<i>Astragalus montii</i>	Threatened
Dicot	959	Heller's blazingstar	<i>Liatris helleri</i>	Threatened
Dicot	812	Hinckley oak	<i>Quercus hinckleyi</i>	Threatened
Dicot	1020	Holmgren milk-vetch	<i>Astragalus holmgreniorum</i>	Endangered
Dicot	1120	Holy Ghost ipomopsis	<i>Ipomopsis sancti-spiritus</i>	Endangered
Dicot	689	Jones cycladenia	<i>Cycladenia humilis</i> var. <i>jonesii</i>	Threatened
Dicot	878	Kearney's blue-star	<i>Amsonia kearneyana</i>	Endangered
Dicot	1227	Key tree cactus	<i>Pilosocereus robinii</i>	Endangered
Dicot	792	Knowlton's cactus	<i>Pediocactus knowltonii</i>	Endangered
Dicot	751	Kodachrome bladderpod	<i>Lesquerella tumulosa</i>	Endangered
Dicot	701	Kuenzler hedgehog cactus	<i>Echinocereus fendleri</i> var. <i>kuenzleri</i>	Threatened
Dicot	998	Large-flowered skullcap	<i>Scutellaria montana</i>	Threatened
Dicot	853	Last Chance townsendia	<i>Townsendia aprica</i>	Threatened
Dicot	625	Little amphianthus	<i>Amphianthus pusillus</i>	Threatened
Dicot	705	Lloyd's Mariposa cactus	<i>Sclerocactus mariposensis</i>	Threatened

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa	Entity ID	Common Name	Scientific Name	Species and Critical Habitat (CH) Status
Dicot	990	Maguire primrose	<i>Primula maguirei</i>	Threatened
Dicot	840	Malheur wire-lettuce	<i>Stephanomeria malheurensis</i>	Endangered
Dicot	639	Mancos milk-vetch	<i>Astragalus humillimus</i>	Endangered
Dicot	817	Miccosukee gooseberry	<i>Ribes echinellum</i>	Threatened
Dicot	1096	Morefield's leather flower	<i>Clematis morefieldii</i>	Endangered
Dicot	1058	Mountain golden heather	<i>Hudsonia montana</i>	Threatened
Dicot	680	Nellie's cory cactus	<i>Escobaria minima</i>	Endangered
Dicot	797	North Park phacelia	<i>Phacelia formosula</i>	Endangered
Dicot	620	Northern wild monkshood	<i>Aconitum noveboracense</i>	Threatened
Dicot	4284	Ocmulgee skullcap	<i>Scutellaria ocmulgee</i>	Proposed Threatened
Dicot	640	Osterhout milkvetch	<i>Astragalus osterhoutii</i>	Endangered
Dicot	4724	Pagosa skyrocket	<i>Ipomopsis polyantha</i>	Endangered
Dicot	1283	Parachute beardtongue	<i>Penstemon debilis</i>	Threatened
Dicot	793	Peebles Navajo cactus	<i>Pediocactus peeblesianus</i> ssp. <i>peeblesianus</i>	Endangered
Dicot	1021	Peirson's milk-vetch	<i>Astragalus magdalenae</i> var. <i>peirsonii</i>	Threatened
Dicot	713	Penland alpine fen mustard	<i>Eutrema penlandii</i>	Threatened
Dicot	1079	Penland beardtongue	<i>Penstemon penlandii</i>	Endangered
Dicot	960	Pondberry	<i>Lindera melissifolia</i>	Endangered
Dicot	943	Roan Mountain bluet	<i>Hedyotis purpurea</i> var. <i>montana</i>	Endangered
Dicot	827	San Francisco Peaks ragwort	<i>Packera franciscana</i>	Threatened

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa	Entity ID	Common Name	Scientific Name	Species and Critical Habitat (CH) Status
Dicot	638	Sentry milk-vetch	<i>Astragalus cremnophylax</i> var. <i>cremnophylax</i>	Endangered
Dicot	1831	Short's bladderpod	<i>Physaria globosa</i>	Endangered
Dicot	794	Siler pincushion cactus	<i>Pediocactus</i> (= <i>Echinocactus</i> , = <i>Utahia</i>) <i>sileri</i>	Threatened
Dicot	718	Spreading avens	<i>Geum radiatum</i>	Endangered
Dicot	660	Spring-loving centaury	<i>Centaurium namophilum</i>	Threatened
Dicot	913	Terlingua Creek cat's-eye	<i>Cryptantha crassipes</i>	Endangered
Dicot	843	Texas snowbells	<i>Styrax platanifolius</i> ssp. <i>texanus</i>	Endangered
Dicot	871	Todsen's pennyroyal	<i>Hedeoma todsenii</i>	Endangered
Dicot	2458	Webber's ivesia	<i>Ivesia webberi</i>	Threatened
Dicot	7948	Wedge spurge	<i>Chamaesyce deltoidea</i> <i>serpyllum</i>	Endangered
Dicot	884	Welsh's milkweed	<i>Asclepias welshii</i>	Threatened
Dicot	611	Wenatchee Mountains checkermallow	<i>Sidalcea oregana</i> var. <i>calva</i>	Endangered
Dicot	1035	Winkler cactus	<i>Pediocactus winkleri</i>	Threatened
Dicot	707	Zuni fleabane	<i>Erigeron rhizomatus</i>	Threatened
Monocot	1172	Canelo Hills ladies'-tresses	<i>Spiranthes delitescens</i>	Endangered
Monocot	844	Eureka dune grass	<i>Swallenia alexandrae</i>	Threatened
Monocot	551	Gentner's fritillary	<i>Fritillaria gentneri</i>	Endangered
Monocot	6782	Guadalupe fescue	<i>Festuca ligulata</i>	Endangered
Monocot	723	Harper's beauty	<i>Harperocallis flava</i>	Endangered

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa	Entity ID	Common Name	Scientific Name	Species and Critical Habitat (CH) Status
Monocot	807	Little Aguja (=Creek) pondweed	<i>Potamogeton clystocarpus</i>	Endangered
Monocot	935	Minnesota dwarf trout lily	<i>Erythronium propullans</i>	Endangered
Monocot	656	Navajo sedge	<i>Carex specuicola</i>	Threatened
Monocot	857	Persistent trillium	<i>Trillium persistens</i>	Endangered
Monocot	1042	Relict trillium	<i>Trillium reliquum</i>	Endangered
Monocot	742	Small whorled pogonia	<i>Isotria medeoloides</i>	Threatened
Monocot	1153	White irisette	<i>Sisyrinchium dichotomum</i>	Endangered
Other	1209	Alabama streak-sorus fern	<i>Thelypteris pilosa</i> var. <i>alabamensis</i>	Threatened
Other	1195	American hart's-tongue fern	<i>Asplenium scolopendrium</i> var. <i>americanum</i>	Threatened
Other	1203	Black spored quillwort	<i>Isoetes melanospora</i>	Endangered
Other	9721	Florida bristle fern	<i>Trichomanes punctatum</i> ssp. <i>floridanum</i>	Endangered
Other	1191	Florida torreyia	<i>Torreya taxifolia</i>	Endangered
Other	1199	Louisiana quillwort	<i>Isoetes louisianensis</i>	Endangered
Other	1204	Mat-forming quillwort	<i>Isoetes tegetiformans</i>	Endangered
Other	1220	Rock gnome lichen	<i>Gymnoderma lineare</i>	Endangered
Other	1935	Whitebark pine	<i>Pinus albicaulis</i>	Threatened
Dicot	776	Ash Meadows blazingstar	<i>Mentzelia leucophylla</i>	Final CH
Dicot	941	Ash Meadows gumplant	<i>Grindelia fraxinipratensis</i>	Final CH
Dicot	743	Ash Meadows ivesia	<i>Ivesia kingii</i> var. <i>eremica</i>	Final CH
Dicot	641	Ash meadows milk-vetch	<i>Astragalus phoenix</i>	Final CH
Dicot	926	Ash Meadows sunray	<i>Enceliopsis nudicaulis</i> var. <i>corrugata</i>	Final CH

Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

Taxa	Entity ID	Common Name	Scientific Name	Species and Critical Habitat (CH) Status
Dicot	630	Braun's rock-cress	<i>Arabis perstellata</i>	Final CH
Dicot	1174	Desert yellowhead	<i>Yermo xanthocephalus</i>	Final CH
Dicot	4179	Fickeisen plains cactus	<i>Pediocactus peeblesianus</i> ssp. <i>fickeiseniae</i>	Final CH
Dicot	9929	Gierisch mallow	<i>Sphaeralcea gierischii</i>	Final CH
Dicot	709	Gypsum wild-buckwheat	<i>Eriogonum gypsophilum</i>	Final CH
Dicot	1020	Holmgren milk-vetch	<i>Astragalus holmgreniorum</i>	Final CH
Dicot	1058	Mountain golden heather	<i>Hudsonia montana</i>	Final CH
Dicot	4284	Ocmulgee skullcap	<i>Scutellaria ocmulgee</i>	Proposed CH
Dicot	4724	Pagosa skyrocket	<i>Ipomopsis polyantha</i>	Final CH
Dicot	1283	Parachute beardtongue	<i>Penstemon debilis</i>	Final CH
Dicot	827	San Francisco Peaks ragwort	<i>Packera franciscana</i>	Final CH
Dicot	1831	Short's bladderpod	<i>Physaria globosa</i>	Final CH
Dicot	660	Spring-loving centaury	<i>Centaurium namophilum</i>	Final CH
Dicot	871	Todsen's pennyroyal	<i>Hedeoma todsenii</i>	Final CH
Dicot	6490	Umtanum desert buckwheat	<i>Eriogonum codium</i>	Final CH
Dicot	2458	Webber's ivesia	<i>Ivesia webberi</i>	Final CH
Dicot	884	Welsh's milkweed	<i>Asclepias welshii</i>	Final CH
Dicot	611	Wenatchee Mountains checkermallow	<i>Sidalcea oregana</i> var. <i>calva</i>	Final CH
Monocot	6782	Guadalupe fescue	<i>Festuca ligulata</i>	Final CH
Other	9721	Florida bristle fern	<i>Trichomanes punctatum</i> ssp. <i>floridanum</i>	Final CH

Of the plants that we concur are “not likely to be adversely affected” by the proposed action, 36 are found in remote locations (e.g., *Astragalus magdalenae* var. *peirsonii*, *Consolea corallicola*), forests (e.g., *Asplenium scolopendrium* var. *americanum*, *Pinus albicaulis*, *Trillium reliquum*), mountainous or high elevation areas (e.g., *Physaria obcordata*), or protected areas (e.g., *Pediocactus knowltonii*) where we do not expect agricultural or non-agricultural atrazine use to occur. The remaining 58 species’ ranges may overlap with small areas that have been treated with atrazine in the past, but the species occur in habitats where we expect atrazine will not be used (e.g., rocky outcrops, sand dunes, mountains, desert scrub, nature preserves). Therefore, we expect that the effects of atrazine exposure on these species are extremely unlikely to occur and are thus discountable.

Similarly, the plant critical habitats that we concur are “not likely to be adversely affected” by the proposed action are designated or proposed in remote locations (e.g., *Astragalus holmgreniorum*), forests (e.g., *Arabis perstellata*, *Scutellaria ocmulgee*), or high elevation areas (e.g., *Lesquerella kingii* ssp. *bernardina*, *Sidalcea oregana* var. *calva*). The Ash Meadows critical habitats occur primarily on Ash Meadows National Refuge; while much of the area was agriculture in the past, we do not expect active agriculture or non-agricultural uses of atrazine to occur near these species or their critical habitats based on visual assessments of satellite imagery. These critical habitats do not overlap with agricultural or non-agricultural atrazine use sites, therefore, we anticipate discountable effects for these plant critical habitat PBFs from atrazine exposure.

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Appendix A: Supporting Information for the Concurrence Section of Atrazine Consultation

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