ANIMAL WELFARE INSTITUTE ● CENTER FOR BIOLOGICAL DIVERSITY ● ENVIRONMENTAL PROTECTION INFORMATION CENTER ● ENDANGERED SPECIES COALITION ● KLAMATH FOREST ALLIANCE ● TURTLE ISLAND RESTORATION NETWORK ● WILDEARTH GUARDIANS ● WOLF CONSERVATION CENTER

February 16, 2016

Public Comments Processing
Attn: Docket No. FWS–HQ–ES–2015–0169
U.S. Fish and Wildlife Service MS: BPHC
5275 Leesburg Pike
Falls Church, VA 22041–3803

Re: Comments on Draft Methodology for Prioritizing Status Reviews and Accompanying 12-Month Findings (Docket #: FWS–HQ–ES–2015–0169)

Please accept the following comments from our organizations in response to the U.S. Fish and Wildlife Service's ("Service") proposed *Draft Methodology for Prioritizing Status Reviews and Accompanying 12-Month Findings* (hereafter "Draft Methodology").[1] We strongly support prioritizing the protection of our nation's most critically endangered species, and moving as quickly as possible to fully protect those species under the Endangered Species Act ("ESA"). Many of our organizations have worked for years to identify species at grave risk of immediate extinction — such as the Lassics lupine, Mohave shoulderband snail, Miami tiger-beetle, Peñasco least chipmunk, Amu Darya sturgeon and pygmy three-toed sloth — as well as highlighting major geographic areas where endangered species have consistently been overlooked by the Service, like the freshwater environments of the Southeast United States. We are deeply concerned that the Draft Methodology is too vague and will not result in the most imperiled species being protected first. Instead, it is more likely that the Draft Methodology will only encourage the Service to fall back into its bad habits of letting politics and industry special interests dictate which species are and are not protected.

We are concerned that an overly-elaborate, cumbersome prioritization system will divert the Service's "limited resources"[2] away from the core activities of the listing program. Rather than protecting imperiled species, scarce dollars will be spent rearranging deck chairs assessing and ranking these species. We are also concerned that States will undertake half-hearted measures to conserve species in the hopes of deferring listing while trying to game the system by avoiding the tough choice and required conservation measures to *actually* recover those imperiled species. The Draft Methodology, as currently framed, will undermine the integrity of the listing program, lead to less credible listing determinations, and more litigation. We offer several specific comments on the Draft Methodology, as well as the Service's listing workplan for FY 2017 and beyond.

---

[1] *Draft Methodology for Prioritizing Status Reviews and Accompanying 12-Month Findings on Petitions for Listing Under the Endangered Species Act*, 81 Fed. Reg. 2,229 (Jan. 15, 2016) (hereafter "DRAFT METHODOLOGY").
[2] *Id*. at 2231.

I. **The Draft Methodology Does Not Explain How Critically Imperiled Species Will be Identified.**

The Service offers no explanation at all of *how* it will identify "critically imperiled" species in the Draft Methodology for "Bin 1."[3] The Methodology asserts that species are critically imperiled if they "need immediate listing action in order to prevent extinction" and are facing "severe" threat levels across a "majority" of their range. These species will be given highest priority.[4] None of these terms are defined or explained at all, and there is no indication of how the Service will decide if threats are "severe" or not. Given the Service's narrow and illegal interpretation of "range," it will also be impossible to determine when a species faces threats across a majority of its range versus the species being considered "extinct" in the Service's opinion. With over 500 species having overdue 12-month findings, ranking all of them could become a very expensive and resource intensive process. It appears that the Service has two basic options (1) collect additional data and information to identify critically imperiled species or (2) rely on existing information on the species to identify critically imperiled species.

We believe that the second option is better. It is not a good use of the Service's limited resources to collect data and conduct detailed analyses to identify critically imperiled species that have received positive 90-day determinations. Instead, we recommend that the Service develop a simple, transparent, and cost-effective rapid assessment that can quickly identify which species are critically imperiled. The Service has several choices. First, each species could be ranked based on the magnitude and imminence of threats using a scheme similar to the Listing Priority Number,[5] and include all species that receive a score of 1-4 in Bin 1. However, this option is not completely transparent, prone to abuse, and could lead to more litigation.

Second, the Service could use the same methodology included in past Candidate Notice of Reviews ("CNOR"). For example, between 2007 and 2011, the Service identified: "species with the highest IUCN rank (critically endangered), the highest Heritage rank (G1), the highest Heritage threat rank (substantial, imminent threats), and currently with fewer than 50 individuals, or fewer than 4 populations" to prioritize first for listing. Using a similar approach, these species should be placed in Bin 1 and listed first.[6] We recommend this, or a similar approach, as it is transparent, science-based, and cost-effective. There are certainly other methodologies that could be used to prioritize species, but the Service should not waste resources reinventing the wheel here, nor should the Service simply make this determination in an entirely non-transparent way. We request that the Service specifically provide the public an actual explanation of how it will identify "critically imperiled" species in the Final Methodology.

Next, the Service also offers no explanation of *how* it will evaluate information leading into placement of a species in Bin 2 — species with "strong" data available — versus Bin 5 — species with "limited" data.[7] These vague criteria appear to be self-fulfilling prophecies, rather than a clear, transparent standard that dictates a course action. Under the current proposal, if a species is

---

[3] *Id*. at 2230.
[4] *Id*.
[5] *See*, *Listing and Recovery Priority Guidelines*, 48 Fed. Reg. 43098 (Sept. 21, 1983).
[6] *See, e.g.*, *Review of Native Species That Are Candidates for Listing as Endangered or Threatened; Annual Notice of Findings on Resubmitted Petitions; Annual Description of Progress on Listing Actions*, 76 Fed. Reg. 66370, 66380 (Oct. 26, 2011).
[7] DRAFT METHODOLOGY at 2230-2231.

politically sensitive, the Services can assert that it has "limited" data available, and deprioritize it completely, with little hope of moving it forward in the listing process. If a State fish and game agency provides data that suggests listing is not warranted, that species could be classified as possessing "strong" data, such that the Service can make a "not-warranted" finding to appease that State. Rather than setting forth clear standards for what types of scientific data qualify – e.g. peer reviewed, quantitative, data collected within the last 5 years, etc. — the Service only suggests two amorphous classifications — "strong" versus "limited."

Third, the proposed Bins and decision pathways are unclear and not mutually exclusive. For example, the discussion for Bin 3 states that this "bin is appropriate when the emerging science or study is already underway, or a report is expected soon, or the data exist, but they need to be complied and analyzed."[8] The discussion of the lowest priority Bin 5 states that species would be suitable for this bin if there was a need to conduct "further analysis."[9] The Service does not define "soon." It is very conceivable that different people will place similar species in vastly different Bins. We recommend that the Service provide additional detail to the public on how data availability will be assessed, and recommend that these two Bins be substantially revised as discussed in the next section.

II. <u>The Draft Methodology Allows Political Concerns to Improperly Drive Listing Decisions.</u>

At its most basic, the Draft Methodology could quickly become a shell game that leaves species in the same unprotected status that many candidate species faced for decades. Even if the Service had set out clear standards for which species would go in the five Bins, it then sets forth a set of exemptions and loopholes that make the prioritization scheme virtually meaningless. We are deeply troubled that the Service may, down the road in a future administration, revert to its illegal behaviors during the worst days of the Bush administration when Gail Norton and Julie MacDonald were running the agency.

First, the Draft Methodology does not make clear whether a species that is placed in Bin 1 can be de-prioritized based on other factors. We request clarification from the Service on this question. If a species is critically imperiled, will it remain in Bin 1 regardless of any other consideration? If a critically imperiled species can end up in Bin 4 or Bin 5, then litigation will be almost inevitable.

Beyond this question, we are very concerned that species could move from Bin 2 or Bin 3 into Bins 4 and 5 for vague, arbitrary and unscientific reasons. The Service has proposed the following list of additional factors that could result in a species moving down the priority list — again, potentially even out of Bin 1 — with little regard for current extinction risk:

- Degree of controversy
- Wide-ranging species
- Whether the protections of the ESA "would be able to improve conditions"
- Balancing workloads between regions
- The level of complexity of the status review

[8] *Id*. at 2231.
[9] *Id*.

Deciding to move a species out of Bin 1 due to "degree of controversy" is flatly illegal. Congress has made it unambiguously clear that listing determinations are to be made solely on the basis of the best available scientific and commercial data available.[10] By the same logic, decisions about when to list a species must also be based solely on the basis of the best available scientific data available. The legislative history of the Act is replete with clear instructions to the Service to not allow politics or economics to impact listing decisions.[11] It is incredible that in 2016, the Service would still think that would be permissible to defer listing based on political controversy. This criteria must be eliminated in the Final Methodology. Peer reviewed science has shown that the Service has chronically shied away from listing politically controversial species, and citizen engagement has been the only recourse to protect those species.[12] Indications that the Service is prioritizing species based on degree of controversy will lead to litigation.

The remaining factors listed above are only slightly less objectionable. A wide-ranging species can be just as at risk of extinction compared to a narrowly restricted species based on the threats it faces. For example, under this factor, the Service could deprioritize a migratory bird species facing serious threats in its nesting grounds based on the fact that the bird is wide ranging. This of course ignores the importance of the safeguarding the nesting grounds and could lead to extinction. Deferring listing of a wide-ranging species will only lead to one thing: significant range contraction. When combined with the Service's invalid *Significant Portion of Its Range* policy,[13] a prioritization scheme that defers protection of wider-ranging species undermines the fundamental purpose of the ESA.

Deciding how to prioritize the listing of a species based on the purported "ability," or lack thereof, of the ESA to improve conditions merely represents a cynical, self-fulfilling prophecy. The ESA remains the most effective conservation law ever passed to address the extinction crisis, with a 99% success rate at preventing extinction. The ESA is more effective at addressing pervasive, challenging threats than any other law available. Thus, to say that the ESA cannot address climate change, and then defer listing species because climate change is the primary threat, is simply defeatist and disheartening, and fundamentally undermines the very purpose of the law.

The level of "complexity" in a status review represents nothing more than another reason to not address politically sensitive species. Case law is clear that the Service is not obligated to conduct additional research beyond what is currently available when it makes a listing determination.[14] The Service cannot constantly claim that it has over forty years of expertise in administering the ESA and then proffer an excuse that "complex" status reviews are just too difficult to complete in a timely manner. If the Service believes that this is a legitimate rationale for deferring a review, it should provide the public with clear examples such that stakeholders can assist the Service in completion of those reviews.

---

[10] 16 U.S.C. § 1533(b)(1)(A).

[11] *See*, H.R. Conf. Rep. 97-835 (1982), 1982 U.S.C.C.A.N. 2860, 2860. ("The principal purpose of these amendments is to ensure that decisions in *every phase* of the process pertaining to the listing or delisting of species are based solely upon biological criteria and *to prevent non-biological considerations from affecting such decisions*…) (emphasis added).

[12] Brosi, B. J., and E. Biber, 2012. *Citizen Involvement in the U.S. Endangered Species Act*, SCIENCE 337:802-803.

[13] *Final Policy on Interpretation of the Phrase "Significant Portion of Its Range" in the Endangered Species Act's Definitions of "Endangered Species" and "Threatened Species,"* 79 Fed. Reg. 37,578 (July 1, 2014).

[14] *Sw. Ctr. for Biological Diversity v. Babbitt*, 215 F. 3d 58 (D.C. Cir. 2000).

With respect to workloads in different regions, we recognize that Region 2 and Region 4 will have the majority of listing workload in coming years.[15] We believe that the best way to address this workload is through multi-species and ecosystem based listing, in accordance with longstanding Service policy.[16] We would like to offer our assistance to the Service in identifying where batched listings would offer additional efficiencies in the listing process and result in greater conservation benefits to more imperiled species. However, workload imbalances should not be used as an excuse to do nothing on species that are "controversial." Instead, the Service should shift resources and staff to regions where there is a greater conservation need. The Service can easily look at the overdue findings and implement a staffing plan that addresses the workload issue without undermining the chances of preventing extinction for imperiled species.

Finally, Bin 2 must be revised significantly. Under the Service's framework, a species with "strong" information indicating that listing is not warranted will be prioritized. From a conservation perspective, it does not make sense why the Service would allocate resources to make a not-warranted finding for a species when there remains other species that have overdue 12-month findings that have "strong" information that listing is clearly warranted. Prioritizing resources toward making decisions not to protect species undermines the Service's purpose and responsibilities under the ESA. The Service may believe that such actions will help it accrue political favor with hostile State fish and game agencies, but that is a cynical, and impropoer rationale for delaying protections for imperiled species that truly need it as soon as possible.

We recommend that the Service instead include a Bin 6 for those species where "strong" information indicates that listing is not warranted. This will give assurance to States that those species are not likely to be listed, and allows the general public, scientists and other stakeholders to provide additional information to the Service if they disagree with that determination. As resources allow, we recommend that the Service complete batched not-warranted determinations for species in Bin 6 to gain additional efficiencies and cost savings.

III. <u>Deferring Listing When State Conservation Efforts are Ongoing is Extremely Problematic.</u>

The Endangered Species Act has always recognized the important role that States can play in the protection of both listed species and species that may warrant protection under the Act. It is clear that the possibility of listing under the ESA often galvanizes conservation efforts by State governments that would otherwise not occur. Nevertheless, deferring listing of an imperiled species to Bin 4 —especially where a species would belong in Bin 1 because it is critically endangered or Bin 2 because data are strong that listing is warranted immediately — based on vague promises and barely-initiated conservation actions, is not a valid rationale under the ESA. We recommend that the Service clarify the criteria by which it will determine that State efforts are adequate to justify deferring listing. We recommend that the Service use a streamlined PECE policy approach to assessing state efforts based on the likelihood that State conservation actions will be implemented and the likelihood that the conservation efforts will be effective.[17] Where a State is willing to enact

[15] *See* Appendix A.
[16] *Interagency Policy for the Ecosystem Approach to the Endangered Species Act*, 59 Fed. Reg. 34274 (Jul. 1, 1994).
[17] *See, Policy for Evaluation of Conservation Efforts When Making Listing Decisions*, 68 Fed. Reg. 15100 (Mar. 28, 2003).

permanent changes in management, acquire land in some type of permanent conservation status (easement or purchase), or dedicate consistent funding, then there may be justification for deferring a listing decision. Where a State's efforts are based only on voluntary unenforceable actions, temporary changes in management or do not provide funding or assurances that habitat will be conserved, deferring listing will not be justified. We recommend that the Service provide additional detail regarding the criteria by which species will be placed into Bin 4.

IV. The Service Should Provide for Online Feedback on Ranking of Species.

Because a species' conservation status can degrade quickly and unexpectedly (or improve based on conservation efforts), the listing workplan should not be a static document that remains fixed for the length of the workplan. Nor should the initial prioritization assessment and subsequent reviews be cumbersome and expensive. Thus, we recommend that the Service establish an online portal where members of the public, State agencies, and other stakeholders can submit information regarding species covered by the workplan. Establishing, or reopening, a docket on regulations.gov for each species covered by the plan and assigning a primary point-of-contact biologist for each species will allow for data to be submitted in an efficient and informal manner. To ensure that the workplan is available for some amount of formal feedback, we recommend that the Service open a period of public comment every three years on revisions to the workplan.

We recommends that the Service make available to the public a comprehensive list of the species that may be included in the workplan and placed into one of the priority listing bins, as well as a list of species that are *not* included in the workplan. Currently, information on the entire universe of overdue listing actions that the Service must take is being shared selectively with industry groups and State agencies to the disadvantage of the public and the environmental community. The Center for Biological Diversity is attaching the most current list, which it received as part of a FOIA request in Appendix A.

V. Conclusion.

The Service has a unique opportunity to move past the dysfunction and political manipulation of the listing process that has occurred periodically over the last 30 years, and set forth a rationale, science-based priority system that will ensure that the most imperiled species receive protection first. We have attempted to assist the Service in identifying those species most at risk of extinction, and offer our continued assistance in further identifying species for FY 2017 and beyond.

Sincerely,

Brett Hartl
Endangered Species Policy Director
Center for Biological Diversity
Washington, D.C. 20008

APPENDIX A

All Overdue Required Findings Under Section 4 of the ESA.

Common name	*Scientific name*	States or Territories within the Historical Range	LPN	Lead USFWS Region	Package names	Required Action	90 Day Substantial	90 Day Not Substantial	12 Month Warranted	12 Month Not Warranted	Proposed (Prior to 1/2013 - PLPCH; Post 1/2013 PL Only	PCH	Final L	Final CH	Notes:	Action in Progress
Cascade Torrent Salamander	*Rhyacotriton cascadae*	WA, OR		R1	53 Reptiles and Amphibians	90D										
Cascades Frog	*Rana cascadae*	CA, OR, WA		R1	53 Reptiles and Amphibians	90D										
Columbia Torrent Salamander	*Rhyacotriton kezeri*	WA, OR		R1	53 Reptiles and Amphibians	90D										
Limestone Salamander	*Hydromantes brunus*	CA		R1	53 Reptiles and Amphibians	90D										
Olympic Torrent Salamander	*Rhyacotriton olympicus*	WA		R1	53 Reptiles and Amphibians	90D										
Oregon Slender Salamander	*Batrachoseps wrighti*	OR		R1	53 Reptiles and Amphibians	90D										
Western Pond Turtle	*Actinemys marmorata*	CA, OR, WA		R1	53 Reptiles and Amphibians	90D										
butterfly, Island marble	Euchloe ausonides insulanus			R1		90D										
Monarch, Tinian	Monarcha takatsukasae			R1		90D										
Sand Verbena Moth	*Copablepharon fuscum*	WA		R1	Sand Verbena Moth	12M	2/17/2011									F
Franklin's Bumble Bee	*Bombus franklini*	CA,OR		R1	Franklin's Bumblebee	12M	9/13/2011									F
Arizona Night Lizard	*Xantusia arizonae*	AZ		R2	53 Reptiles and Amphibians	90D										
Arizona Toad	*Anaxyrus microscaphus*	CA, NV, UT, NM, AZ		R2	53 Reptiles and Amphibians	90D										
Bezy's Night Lizard	*Xantusia bezyi*	AZ		R2	53 Reptiles and Amphibians	90D										
Cascade Caverns Salamander	*Eurycea latitans*	TX		R2	53 Reptiles and Amphibians	90D										
Reticulate Collared Lizard	*Crotaphytus reticulatus*	TX		R2	53 Reptiles and Amphibians	90D										
Rio Grande Cooter	*Pseudemys gorzugi*	NM, TX		R2	53 Reptiles and Amphibians	90D										
Yuman Desert Fringe-toed Lizard	*Uma rufopunctata*	AZ, CA		R2	53 Reptiles and Amphibians	90D										
Leoncita False Foxglove	*Agalinis calycina* Pennell	NM		R2		90D										
Chub, Rio Grande	Gila pandora			R2		90D										
Texas Screwstem	*Bartonia texana*	TX		R2	404 Species	12M	9/27/2011									F
Texas Kangaroo Rat	*Dipodomys elator*	OK, TX		R2	Texas Kangaroo Rat	12M	3/8/2011									F
Prairie Chub	*Macrhybopsis australis*	OK, TX		R2	Prairie Chub	12M	4/14/2011									g
Spot-tailed earless Lizard	*Holbrookia Lacerata*	TX		R2	Spot-tailed earless lizard	12M	5/24/2011									F
Sonoran Tallussnail	*Sonorella magdalenensis*			R2	Sonoran Talussnail	12M	7/24/2012									Y
Arizona Striped Whiptail	*Aspidoscelis arizonae*	AZ		R2	475 Species; 192 of 475 Package	12M	12/6/2009									F
Arkansas River Speckled Chub	*Macrhybopsis tetranema*	CO, KA, NM, OK, TX		R2	475 Species; 192 of 475 Package	12M	12/6/2009									F
Big Red Sage	*Salvia pentstemonoides*	TX		R2	475 Species; 192 of 475 Package, 3 texas pla	12M	12/6/2009									F
Black-spotted Newt	*Notophthalmus meridionalis*	TX, MX		R2	475 Species; 192 of 475 Package	12M	12/6/2009									F
Blanco Blind Salamander	*Eurycea robusta*	TX		R2	475 Species; 9 EDWARDS AQUIFER SPECIES,	12M	12/6/2009									F
Brush-pea	*Genistidium dumosum*	TX, MX		R2	475 Species; 192 of 475 Package, 3 texas pla	12M	12/6/2009									F
Bushy Whitlow-wort	*Paronychia congesta*	TX		R2	475 Species; 192 of 475 Package	12M	12/6/2009									F
Bylas Springsnail	*Pyrgulopsis arizonae*	AZ		R2	475 Species; 192 of 475 Package, 3 AZ invert	12M	12/6/2009									Y
Chihuahua Catfish	*Ictalurus sp. 1*	TX		R2	475 Species; 192 of 475 Package	12M	12/6/2009									F
Chihuahua Scurfpea	*Pediomelum pentaphyllum*	AZ, NM, TX, MX		R2	475 Species; 192 of 475 Package	12M	12/6/2009									F
Chisos Coralroot	*Hexalectris revolute*	AZ, TX, MX		R2	475 Species; 192 of 475 Package, 3 texas pla	12M	12/6/2009									F
Colorado Tiger Beetle	*Cicindela theatina*	CO		R2	475 Species; 192 of 475 Package	12M	12/6/2009									F
Comal Blind Salamander	*Eurycea tridentifera*	TX		R2	475 Species; 9 EDWARDS AQUIFER SPECIES,	12M	12/6/2009									F
Comal Springs Salamander	*Eurycea sp. 8*	TX		R2	475 Species; 9 EDWARDS AQUIFER SPECIES,	12M	12/6/2009									F
Cook's Peak Woodlandsnail	*Ashmunella macromphala*	NM		R2	475 Species; 192 of 475 Package, 3 south nm	12M	12/6/2009									F
Delaware County Cave Crayfish	*Cambarus subterraneus*	OK		R2	475 Species; 192 of 475 Package, 3 Oklahom	12M	12/6/2009									F
Dona Ana Talussnail	*Sonorella todseni*	NM		R2	475 Species; 192 of 475 Package, 3 south nm	12M	12/6/2009									F
Edwards Aquifer Diving Beetle	*Haideoporus texanus*	TX		R2	475 Species; 9 EDWARDS AQUIFER SPECIES,	12M	12/6/2009									F
Ferris's Copper	*Lycaena ferrisi*	AZ		R2	475 Species; 192 of 475 Package	12M	12/6/2009									F
Fish Creek Fleabane	*Erigeron piscaticus*	AZ		R2	475 Species; 192 of 475 Package	12M	12/6/2009									F
Gila Tryonia	*Tryonia gilae*	AZ		R2	475 Species; 192 of 475 Package, 3 AZ invert	12M	12/6/2009									Y
Glowing Indian-paintbrush	*Castilleja ornata*	NM, MX		R2	475 Species; 192 of 475 Package	12M	12/6/2009									F
Grand Canyon Cave Scorpion	*Archeolarca cavicola*	AZ		R2	475 Species; 192 of 475 Package	12M	12/6/2009									F
Grand Wash Springsnail	*Pyrgulopsis bacchus*	AZ		R2	475 Species; 192 of 475 Package	12M	12/6/2009									F
Huachuca Milk-vetch	*Astragalus hypoxylus*	AZ, MX		R2	475 Species; 192 of 475 Package	12M	12/6/2009									F
Huachuca Woodlandsnail	*Ashmunella levettei*	AZ, NM		R2	475 Species; 192 of 475 Package	12M	12/6/2009									F
Kaibab Bladderpod	*Lesquerella kaibabensis*	AZ		R2	475 Species; 192 of 475 Package, 4 North Ari	12M	12/6/2009									F
Kiamichi Crayfish	*Orconectes saxatilis*	OK		R2	475 Species; 192 of 475 Package, 3 Oklahom	12M	12/6/2009									F
Kingman Springsnail	*Pyrgulopsis conica*	AZ		R2	475 Species; 192 of 475 Package	12M	12/6/2009									F

Common name	*Scientific name*	States or Territories within the Historical Range	LPN	Lead USFWS Region	Package names	Required Action	90 Day Substantial	90 Day Not Substantial	12 Month Warranted	12 Month Not Warranted	Proposed (Prior to 1/2013 - PLPCH; Post 1/2013 PL Only	PCH	Final L	Final CH	Notes:	Action in Progress
Louisiana Pigtoe	*Pleurobema riddellii*	LA, TX		R2	475 Species; 192 of 475 Package, 3 EAST TEX	12M	12/6/2009									F
Mimic Cavesnail	*Phreatodrobia imitata*	TX		R2	475 Species; 9 EDWARDS AQUIFER SPECIES,	12M	12/6/2009									F
Mineral Creek Mountainsnail	*Oreohelix pilsbryi*	NM		R2	475 Species; 192 of 475 Package, 3 south nm	12M	12/6/2009									F
Morton's Wild Buckwheat	*Eriogonum mortonianum*	AZ		R2	475 Species; 192 of 475 Package, 4 North Ari	12M	12/6/2009									F
Moss (no common name)	*Donrichardsonia macroneuron*	TX		R2	475 Species; 192 of 475 Package	12M	12/6/2009									F
Navasota False Foxglove	*Agalinis navasotensis*	TX		R2	475 Species; 192 of 475 Package	12M	12/6/2009									F
Notodontid Moth (no common name)	*Astylis sp. 1*	AZ		R2	475 Species; 192 of 475 Package	12M	12/6/2009									F
Notodontid Moth (no common name)	*Heterocampa sp. 1 nr. amanda*	AZ		R2	475 Species; 192 of 475 Package	12M	12/6/2009									F
Notodontid Moth (no common name)	*Litodonta sp. 1 nr. alpina*	AZ		R2	475 Species; 192 of 475 Package	12M	12/6/2009									F
Notodontid Moth (no common name)	*Ursia furtiva*	TX		R2	475 Species; 192 of 475 Package	12M	12/6/2009									F
Nueces Shiner	*Cyprinella sp. 2*	TX		R2	475 Species; 192 of 475 Package	12M	12/6/2009									F
Oklahoma Cave Crayfish	*Cambarus tartarus*	OK		R2	475 Species; 192 of 475 Package, 3 Oklahoma	12M	12/6/2009									F
Pecos pupfish	*Cyprinodon pecosensis*	NM, TX		R2	475 Species; 192 of 475 Package	12M	12/6/2009									F
Pecos Springsnail	*Pyrgulopsis pecosensis*	NM		R2	475 Species; 192 of 475 Package	12M	12/6/2009									F
Pinaleno Talussnail	*Sonorella grahamensis*	AZ		R2	475 Species; 192 of 475 Package	12M	12/6/2009									F
Plateau Shiner	*Cyprinella lepida*	TX		R2	475 Species; 192 of 475 Package	12M	12/6/2009									F
Prostrate Milkweed	*Asclepias prostrata*	TX, MX		R2	475 Species; 192 of 475 Package	12M	12/6/2009									F
Quitobaquito Tryonia	*Tryonia quitobaquitae*	AZ		R2	475 Species; 192 of 475 Package	12M	12/6/2009									F
Sabino Dancer	*Argia sabino*	AZ		R2	475 Species; 192 of 475 Package	12M	12/6/2009									F
San Felipe Gambusia	*Gambusia clarkhubbsi*	TX		R2	475 Species; 192 of 475 Package	12M	12/6/2009									F
San Xavier Talussnail	*Sonorella eremite*	AZ		R2	475 Species; 192 of 475 Package	12M	12/6/2009									F
Sangre de Cristo Peaclam	*Pisidium sanguinichristi*	NM		R2	475 Species; 192 of 475 Package	12M	12/6/2009									F
Santa Rita Yellowshow	*Amoreuxia gonzalezii*	AZ, MX		R2	475 Species; 192 of 475 Package	12M	12/6/2009									F
Southern Purple Lilliput	*Toxolasma corvunculus*	AL, FL, GA, OK		R2	475 Species; 192 of 475 Package	12M	12/6/2009									F
Squaw Park Talussnail	*Maricopella allynsmithi*	AZ		R2	475 Species; 192 of 475 Package	12M	12/6/2009									F
Stonefly (no common name)	*Anacroneuria wipukupa*	AZ, MX		R2	475 Species; 192 of 475 Package	12M	12/6/2009									F
Texas Salamander	*Eurycea neotenes*	TX		R2	475 Species; 9 EDWARDS AQUIFER SPECIES,	12M	12/6/2009									F
Texas Troglobitic Water Slater	*Lirceolus smithii*	TX		R2	475 Species; 9 EDWARDS AQUIFER SPECIES,	12M	12/6/2009									F
Tharp's Blue-star	*Amsonia tharpii*	NM, TX		R2	475 Species; 192 of 475 Package	12M	12/6/2009									F
Toothless Blindcat	*Trogloglanis pattersoni*	TX		R2	475 Species; 9 EDWARDS AQUIFER SPECIES,	12M	12/6/2009									F
Triangle Pigtoe	*Fusconaia lananensis*	TX		R2	475 Species; 192 of 475 Package, 3 EAST TEX	12M	12/6/2009									F
Verde Rim Springsnail	*Pyrgulopsis glandulosa*	AZ		R2	475 Species; 192 of 475 Package, 3 AZ invert	12M	12/6/2009									Y
Wet Canyon Talussnail	*Sonorella macrophallus*	AZ		R2	475 Species; 192 of 475 Package	12M	12/6/2009									F
White Sands Pupfish	*Cyprinodon tularosa*	NM		R2	475 Species; 192 of 475 Package	12M	12/6/2009									F
Widemouth Blindcat	*Satan eurystomus*	TX		R2	475 Species; 9 EDWARDS AQUIFER SPECIES,	12M	12/6/2009									F
Mayfly, Gila	*Lachlania dencyannae*	NM		R2	475 Species; 192 of 475 Package, Gila Mayfly	12M	7/26/2012	12/16/2009								N
False Spike	*Quincuncina mitchelli*	TX		R2	3 Rio Grande Mussels, 9 Texas Mussels	12M	12/15/2009									F
Mexican Fawnsfoot	*Truncilla cognata*	TX		R2	3 Rio Grande Mussels, 9 Texas Mussels	12M	12/15/2009									F
Salina Mucket	*Potamilus metnecktayi (also Disconlulus*	TX		R2	475 Species; 3 Rio Grande Mussels, 9 Texas M	12M	12/15/2009									F
Texas Heelsplitter	*Potamilus amphichaenus*	LA, TX		R2	475 Species; 3 East Texas Mussels, 9 Texas M	12M	12/15/2009									F
Golden Orb	*Quadrula aurea*	TX	8	R2	475 Species; 5 Central Texas Mussels, 9 Texa	PLPCH	12/15/2009		10/6/2011							F
Smooth Pimpleback	*Quadrula houstonensis*	TX	8	R2	5 Central Texas Mussels, 9 Texas Mussels	PLPCH	12/15/2009		10/6/2011							F
Texas Fatmucket	*Lampsilis bracteata*	TX	2	R2	475 Species; 5 Central Texas Mussels, 9 Texa	PLPCH	12/15/2009		10/6/2011							F
Texas Fawnsfoot	*Truncilla macrodon*	TX	2	R2	5 Central Texas Mussels, 9 Texas Mussels	PLPCH	12/15/2009		10/6/2011							F
Texas Pimpleback	*Quadrula petrina*	TX	2	R2	5 Central Texas Mussels, 9 Texas Mussels	PLPCH	12/15/2009		10/6/2011							F
twistflower, bracted	*Streptanthus bracteatus*	TX	8	R2		PLPCH										
chipmunk, Penasco least	*Tamias minimus atristriatus*	NM	6	R2		PLPCH										

Common name	*Scientific name*	States or Territories within the Historical Range	LPN	Lead USFWS Region	Package names	Required Action	90 Day Substantial	90 Day Not Substantial	12 Month Warranted	12 Month Not Warranted	Proposed (Prior to 1/2013 - PLPCH; Post 1/2013 PL Only	PCH	Final L	Final CH	Notes:	Action in Progress
Blanding's Turtle	*Emydoidea blandingii*	NE, MN, IL, MI, NY,IL, ME, SD, MO		R3	53 Reptiles and Amphibians	90D										
Illinois Chorus Frog	*Pseudacris illinoensis*	IL, MO, AR, OK, TX		R3	53 Reptiles and Amphibians	90D										
bumble bee, rusty patched	Bombus affinis			R3		90D										
Golden-winged Warbler	*Vermivora chrysoptera*	AL, AR, CT, DE, DC, FL, GA, IL, IN, IA, KY, MD, MA, MI, MN, MS, MO, NH		R3	Golden-winged Warbler	12M	6/2/2011									F
Rattlesnake-master Borer Moth	*Papaipema eryngii*	AR, IL, IN, IA, KY, MO, NC, OK		R3	475 Species; 192 of 475 Package; Rattlesnake	PLPCH	12/6/2009		8/14/2013							F
Alligator Snapping Turtle	*Macrochelys temminckii*	GA, FL, AL, MS, LA, TX, KA, IA, KY		R4	53 Reptiles and Amphibians	90D										
Apalachicola Kingsnake	*Lampropeltis getula meansi*	FL		R4	53 Reptiles and Amphibians	90D										
Blue Ridge Gray-cheeked Salamander	*Plethodon amplus*	NC		R4	53 Reptiles and Amphibians	90D										
Caddo Mountain Salamander	*Plethodon caddoensis*	AR		R4	53 Reptiles and Amphibians	90D										
Cedar Key Mole Skink	*Plestiodon egregius insularis*	FL		R4	53 Reptiles and Amphibians	90D										
Cheoah Bald Salamander	*Plethodon cheoah*	TN		R4	53 Reptiles and Amphibians	90D										
Florida Pine Snake	*Pituophis melanoleucus mugitus*	FL, GA, SC, AL		R4	53 Reptiles and Amphibians	90D										
Florida Scrub Lizard	*Sceloporus woodi*	FL		R4	53 Reptiles and Amphibians	90D										
Fourche Mountain Salamander	*Plethodon fourchensis*	AR		R4	53 Reptiles and Amphibians	90D										
Gopher Frog	*Lithobates capito*	AL, FL, TN, GA, SC, NC		R4	53 Reptiles and Amphibians	90D										
Green Salamander	*Aneides aeneus*	GA, SC, TN, AL, WV, NC, KY, PA,		R4	53 Reptiles and Amphibians	90D										
Key Ring-necked Snake	*Diadophis punctatus acricus*	FL		R4	53 Reptiles and Amphibians	90D										
Pigeon Mountain Salamander	*Plethodon petraeus*	GA		R4	53 Reptiles and Amphibians	90D										
Rim Rock Crowned Snake	*Tantilla oolitica*	FL		R4	53 Reptiles and Amphibians	90D										
Short-tailed Snake	*Lampropeltis extenuata*	FL		R4	53 Reptiles and Amphibians	90D										
South Mountain Gray-cheeked Salamander	*Plethodon meridianus*	NC		R4	53 Reptiles and Amphibians	90D										
Southern Hog-nosed Snake	*Heterodon simus*	NC, SC, GA, FL		R4	53 Reptiles and Amphibians	90D										
Weller's Salamander	*Plethodon welleri*	TN, NC, maybe VA		R4	53 Reptiles and Amphibians	90D										
Crayfish, Wingtail	Procambarus latipleurum			R4		90D										
A Thoroughwort	*Eupatorium paludicola*			R4	404 Species	12M	9/27/2011									F
Acute Elimia	*Elimia acuta*	AL, TN		R4	404 Species	12M	9/27/2011									F
Alabama Cave Crayfish	*Cambarus jonesi*			R4	404 Species	12M	9/27/2011									F
Alabama Hickorynut	*Obovaria unicolor*			R4	404 Species	12M	9/27/2011									F
Alabama Map Turtle	*Graptemys pulchra*			R4	404 Species; 13 Amphibian and X Reptiles fro	12M	9/27/2011									F
Alabama Rainbow	*Villosa nebulosa*			R4	404 Species	12M	9/27/2011									F
Alabama Spike	*Elliptio arca*			R4	404 Species	12M	9/27/2011									F
Alachua Light Fleeing Cave Crayfish	*Procambarus lucifugus alachua*			R4	404 Species	12M	9/27/2011									F
Altamaha Arcmussel	*Alasmidonta arcula*	GA		R4	404 Species	12M	9/27/2011									F
Altamaha Shiner	*Cyprinella xaenura*	GA		R4	404 Species	12M	9/27/2011									F
Ample Elimia	*Elimia ampla*	AL		R4	404 Species	12M	9/27/2011									F
Apalachicola Floater	*Anodonta heardi*			R4	404 Species	12M	9/27/2011									F
Apalachicola Wild Indigo	*Baptisia megacarpa*	AL, FL, GA		R4	404 Species	12M	9/27/2011									F
Appalachian Cave Crayfish	*Orconectes packardi*			R4	404 Species	12M	9/27/2011									F
Appalachian Fissidens Moss	*Fissidens appalachensis*			R4	404 Species	12M	9/27/2011									F
Appalachian Snaketail	*Ophiogomphus incurvatus*			R4	404 Species	12M	9/27/2011									F
Arkansas Mudalia	*Leptoxis arkansasensis*			R4	404 Species	12M	9/27/2011									F
Ashy Darter	*Etheostoma cinereum*	AL, GA, KY, TN, VA		R4	404 Species	12M	9/27/2011									F
Atlantic Pigtoe	*Fusconaia masoni*	GA, NC, SC, VA		R4	404 Species	12M	9/27/2011									F
Avernus Cave Beetle	*Pseudanophthalmus avernus*	VA		R4	404 Species	12M	9/27/2011									F
Bankhead Darter	*Percina sipsi*			R4	404 Species	12M	9/27/2011									F
Barbour's Map Turtle	*Graptemys barbouri*	AL, FL, GA		R4	Barbour's map turtle; 404 Species; 13 Amphi	12M	9/27/2011									F
Barrens Darter	*Etheostoma forbesi*	TN		R4	404 Species	12M	9/27/2011									F
Barrens Topminnow	*Fundulus julisia*	TN		R4	404 Species	12M	9/27/2011									F
Bear Tupelo or Dwarf Blackgum	*Nyssa ursina*	FL		R4	404 Species	12M	9/27/2011									F
Bearded Red Crayfish	*Procambarus pogum*	MS		R4	404 Species	12M	9/27/2011									F
Beautiful Crayfish	*Cambarus speciosus*			R4	404 Species	12M	9/27/2011									F
Beaverpond Marstonia	*Marstonia castor*	GA		R4	404 Species	12M	9/27/2011									F
Big Blue Springs Cave Crayfish	*Procambarus horsti*			R4	Big Blue Springs cav crayfish; 404 Species	12M	9/27/2011									F
Big Cypress Epidendrum	*Epidendrum strobiliferum*			R4	404 Species	12M	9/27/2011									F
Bigcheek Cave Crayfish	*Procambarus delicatus*			R4	404 Species	12M	9/27/2011									F
Black Creek Crayfish	*Procambarus pictus*	FL		R4	404 Species	12M	9/27/2011									F
Black Rail	*Laterallus jamaicensis*	AK, CA, CT, DE, FL, GA, IL, IN, IA, KS, KY, LA, MD, MA, MI, MS, MO, NJ, NY, NC, OH, OK, PA, RI, SC, TN, TX, VA		R4	Black rail, 404 Species	12M	9/27/2011									F
Blackbarred Crayfish	*Cambarus unestami*			R4	404 Species	12M	9/27/2011									F

Common name	*Scientific name*	States or Territories within the Historical Range	LPN	Lead USFWS Region	Package names	Required Action	90 Day Substantial	90 Day Not Substantial	12 Month Warranted	12 Month Not Warranted	Proposed (Prior to 1/2013 - PLPCH; Post 1/2013 PL Only	PCH	Final L	Final CH	Notes:	Action in Progress
Black-bracked Pipewort	*Eriocaulon nigrobracteatum*	FL		R4	404 Species	12M	9/27/2011									F
Blackfin Sucker	*Thoburnia atripinnis*			R4	404 Species	12M	9/27/2011									F
Black-knobbed Map Turtle	*Graptemys nigrinoda*			R4	404 Species; 13 Amphibian and X Reptiles fro	12M	9/27/2011									F
Blue Spring Hydrobe Snail	*Aphaostracon asthenes*	FL		R4	404 Species	12M	9/27/2011									F
Bluehead Shiner	*Pteronotropis hubbsi*			R4	404 Species	12M	9/27/2011									F
Blueridge Springfly	*Remenus kirchneri*			R4	404 Species	12M	9/27/2011									F
Bluestripe Darter	*Percina cymatotaenia*			R4	404 Species	12M	9/27/2011									F
Bluestripe shiner	*Cyprinella callitaenia*	AL, FL, GA		R4	404 Species	12M	9/27/2011									F
Bog Spicebush	*Lindera subcoriacea*	AL, FL, GA, LA, MS, NJ, NC, SC, VA		R4	404 Species	12M	9/27/2011									F
Boykin's Lobelia	*Lobelia boykinii*	AL, DE, FL, GA, NJ, NC, SC		R4	404 Species	12M	9/27/2011									F
Brawleys Fork Crayfish	*Cambarus williami*			R4	404 Species	12M	9/27/2011									F
Bridled Darter	*Percina kusha*			R4	Bridled Darter; 404 Species	12M	9/27/2011									F
Broad River Burrowing Crayfish	*Distocambarus devexus*			R4	404 Species	12M	9/27/2011									F
Broad River Spiny Crayfish	*Cambarus spicatus*	SC		R4	404 Species	12M	9/27/2011									F
Broadstripe Shiner	*Pteronotropis euryzonus*	AL, GA		R4	404 Species	12M	9/27/2011									F
Brook Floater	*Alasmidonta varicosa*	CT, GA, ME, MD, MA, NH, NJ, NY, NC, PA, SC, VT, VA, WV		R4	404 Species	12M	9/27/2011									F
Brother Spike	*Elliptio fraterna*			R4	404 Species	12M	9/27/2011									F
Bryson's Sedge	*Carex brysonii*			R4	404 Species	12M	9/27/2011									F
Burrowing Bog Crayfish	*Fallicambarus burrisi*	AL, SC		R4	404 Species	12M	9/27/2011									F
Caddo Madtom	*Noturus taylori*	AK		R4	404 Species	12M	9/27/2011									F
Calcasieu Crayfish	*Orconectes blacki*			R4	404 Species	12M	9/27/2011									F
Calvert's Emerald	*Somatochlora calverti*			R4	404 Species	12M	9/27/2011									F
Candy Darter	*Etheostoma osburni*			R4	404 Species	12M	9/27/2011									F
Canoe Creek Pigtoe	*Pleurobema athearni*			R4	404 Species	12M	9/27/2011									F
Cape Fear Spatterdock or Yellow Pond Lily	*Nuphar lutea ssp. sagittifolia*			R4	404 Species	12M	9/27/2011									F
Cape Sable Orchid	*Oncidium undulatum*			R4	404 Species	12M	9/27/2011									F
Caper Elimia	*Elimia olivula*	AL		R4	404 Species	12M	9/27/2011									F
Carolina Birds-in-a-nest	*Macbridea caroliniana*	AL, FL, GA, NC, SC		R4	404 Species	12M	9/27/2011									F
Carolina Bishopweed	*Ptilimnium ahlesii*			R4	404 Species	12M	9/27/2011									F
Carolina Hemlock	*Tsuga caroliniana*			R4	404 Species	12M	9/27/2011									F
Carolina Madtom	*Noturus furiosus*	NC		R4	404 Species	12M	9/27/2011									F
Carolina Pygmy Sunfish	*Elassoma boehlkei*	NC, SC		R4	404 Species	12M	9/27/2011									F
Chamberlain's Dwarf Salamander	*Eurycea chamberlaini*			R4	404 Species; 13 Amphibian and X Reptiles fro	12M	9/27/2011									F
Chattooga River Crayfish	*Cambarus scotti*			R4	404 Species	12M	9/27/2011									F
Cherokee Clubtail	*Gomphus consanguis*	AL, GA, NC, SC, TN, VA		R4	404 Species	12M	9/27/2011									F
Chesapeake Logperch	*Percina bimaculata*			R4	404 Species	12M	9/27/2011									F
Chowanoke Crayfish	*Orconectes virginiensis*			R4	404 Species	12M	9/27/2011									F
Ciliate-leaf Tickseed	*Coreopsis integrifolia*			R4	404 Species	12M	9/27/2011									F
Clam-shell Orchid	*Encyclia cochleata var. triandra*			R4	404 Species	12M	9/27/2011									F
Clifton Spring Hydrobe Snail	*Aphaostracon theiocrenetum*			R4	404 Species	12M	9/27/2011									F
Coal Darter	*Percina brevicauda*			R4	404 Species	12M	9/27/2011									F
Coastal Flatwoods Crayfish	*Procambarus apalachicolae*			R4	404 Species	12M	9/27/2011									F
Coastal Lowland Cave Crayfish	*Procambarus leitheuseri*			R4	404 Species	12M	9/27/2011									F
Cobble Elimia	*Elimia vanuxemiana*	AL		R4	404 Species	12M	9/27/2011									F
Cobblestone Tiger Beetle	*Cicindela marginipennis*	AL, IN, MS, NH, NJ, NY, OH, PA, VT, WV		R4	404 Species	12M	9/27/2011									F
Cockle Elimia	*Elimia cochliaris*			R4	404 Species	12M	9/27/2011									F
Coldwater Crayfish	*Orconectes eupunctus*			R4	404 Species	12M	9/27/2011									F
Compact Elimia	*Elimia showalteri*	AL		R4	404 Species	12M	9/27/2011									F
Cooper's Cave Amphipod	*Stygobromus cooperi*	WV		R4	404 Species	12M	9/27/2011									F

Common name	*Scientific name*	States or Territories within the Historical Range	LPN	Lead USFWS Region	Package names	Required Action	90 Day Substantial	90 Day Not Substantial	12 Month Warranted	12 Month Not Warranted	Proposed (Prior to 1/2013 - PLPCH; Post 1/2013 PL Only	PCH	Final L	Final CH	Notes:	Action in Progress
Coosa Creekshell	*Villosa umbrans*			R4	404 Species	12M	9/27/2011									F
Corpulent Hornsnail	*Pleurocera corpulenta*	AL, TN		R4	404 Species	12M	9/27/2011									F
Correll's False Dragonhead	*Physostegia correllii*	LA, TX		R4	404 Species	12M	9/27/2011									F
Crested Riverlet Crayfish	*Hobbseus cristatus*			R4	404 Species	12M	9/27/2011									F
Crossroad's Cave Beetle	*Pseudanophthalmus intersectus*	VA		R4	404 Species	12M	9/27/2011									F
Cudjo's Cave Beetle	*Pseudanophthalmus hirsutus*	VA, TN		R4	404 Species	12M	9/27/2011									F
Cumberland Dusky Salamander	*Desmognathus abditus*			R4	404 Species; 13 Amphibian and X Reptiles fro	12M	9/27/2011									F
Cumberland Moccasinshell	*Medionidus conradicus*			R4	404 Species	12M	9/27/2011									F
Curtis's Loosestrife	*Lythrum curtissii*	FL, GA		R4	404 Species	12M	9/27/2011									F
Cylinder Elimia	*Elimia cylindracea*			R4	404 Species	12M	9/27/2011									F
Delicate Spike	*Elliptio arctata*			R4	404 Species	12M	9/27/2011									F
Dense Hydrobe Snail	*Aphaostracon pycnus*	FL		R4	404 Species	12M	9/27/2011									F
Doll's-Daisy	*Boltonia montana*	FL		R4	404 Species	12M	9/27/2011									F
Domed Ancylid	*Rhodacme elatior*	AL		R4	404 Species	12M	9/27/2011									F
Dry Fork Valley Cave Beetle	*Pseudanophthalmus montanus*	WV		R4	404 Species	12M	9/27/2011									F
Eared Coneflower	*Rudbeckia auriculata*	AL		R4	404 Species	12M	9/27/2011									F
Eastern Ribbonsnake - Lower FL Keys	*Thamnophis sauritus pop.1*			R4	404 Species; 13 Amphibian and X Reptiles fro	12M	9/27/2011									F
Edison's Ascyrum	*Hypericum edisonianum*	FL		R4	404 Species	12M	9/27/2011									F
Edmund's Snaketail	*Ophiogomphus edmundo*	NC		R4	404 Species	12M	9/27/2011									F
Egg-mimic Darter	*Etheostoma pseudovulatum*	TN		R4	404 Species	12M	9/27/2011									F
Elegant Elimia	*Elimia teres*	AL		R4	404 Species	12M	9/27/2011									F
Elliott's Croton	*Croton elliottii*	AL, FL, GA, SC		R4	404 Species	12M	9/27/2011									F
Engraved Elimia	*Elimia perstriata*	AL		R4	404 Species	12M	9/27/2011									F
Enterprise Siltsnail	*Floridobia monroensis*	FL		R4	404 Species	12M	9/27/2011									F
Escambia Map Turtle	*Graptemys ernsti*			R4	404 Species; 13 Amphibian and X Reptiles fro	12M	9/27/2011									F
Florida Cave Amphipod	*Crangonyx grandimanus*	FL		R4	404 Species	12M	9/27/2011									F
Florida Cave Crayfish	*Procambarus lucifugus*			R4	404 Species	12M	9/27/2011									F
Florida Cave Crayfish	*Procambarus lucifugus lucifugus*			R4	404 Species	12M	9/27/2011									F
Florida Keys Mole Skink	*Eumeces egregius egregius*	FL		R4	Florida Keys Mole Skink; 404 Species; 13 Am	12M	9/27/2011									F
Florida Pondweed	*Potamogeton floridanus*	FL		R4	404 Species	12M	9/27/2011									F
Florida Red-bellied Turtle - FL Panhandle	*Pseudemys nelsoni pop. 1*			R4	404 Species; 13 Amphibian and X Reptiles fro	12M	9/27/2011									F
Florida Sandhill Crane	*Grus canadensis pratensis*	AZ		R4	404 Species	12M	9/27/2011									F
Florida Willow	*Salix floridana*	FL, GA		R4	404 Species	12M	9/27/2011									F
Frecklebelly Madtom	*Noturus munitus*	AL, GA, LA, MI, TN		R4	404 Species	12M	9/27/2011									F
Freemouth Hydrobe Snail	*Aphaostracon chalarogyrus*			R4	404 Species	12M	9/27/2011									F
Georgia Blind Salamander	*Eurycea wallacei*	GA, FL		R4	404 Species; 13 Amphibian and X Reptiles fro	12M	9/27/2011									F
Georgia Leadplant (GA Indigo Bush)	*Amorpha georgiana var. georgiana*	GA, NC, SC		R4	404 Species	12M	9/27/2011									F
Godfry's Privet	*Forestiera godfreyi*			R4	404 Species	12M	9/27/2011									F
Godfry's Stitchwort	*Minuartia godfreyi*	AL, AK, FL, NC, SC, TN		R4	404 Species	12M	9/27/2011									F
Gorge Leafy Liverwort	*Plagiochila caduciloba*			R4	404 Species	12M	9/27/2011									F
Green Floater	*Lasmigona subviridis*	KY, MD, NJ, NY, NC, PA, SC, TN, VA, WV		R4	404 Species	12M	9/27/2011									F
Greenbrier Cave Crayfish	*Cambarus nerterius*			R4	404 Species	12M	9/27/2011									F
Gulf Hammock Dwarf Siren	*Pseudobranchus striatus lustricolus*	FL		R4	404 Species; 13 Amphibian and X Reptiles fro	12M	9/27/2011									F
Gulf Sweet Pitcherplant	*Sarracenia rubra ssp. gulfensis*			R4	404 Species	12M	9/27/2011									F
Hairy-peduncled Beakbush	*Rhynochospora crinipes*	AL, FL		R4	404 Species	12M	9/27/2011									F
Halloween Darter	*Percina crypta*			R4	404 Species	12M	9/27/2011									F
Hall's Bulrush	*Schoenoplectus hallii*			R4	404 Species	12M	9/27/2011									F
Hall's Pocket Moss	*Fissidens hallii*			R4	404 Species	12M	9/27/2011									F
Hardin Crayfish	*Orconectes wrighti*			R4	404 Species	12M	9/27/2011									F
Harper's Fimbristylis	*Fimbristylis perpusilla*	DE, GA, MD, NC, SC, TN, VA		R4	404 Species	12M	9/27/2011									F
Harper's Heartleaf	*Hexastylis speciosa*	AL		R4	404 Species	12M	9/27/2011									F
Hartwrightia	*Hartwrightia floridan*	FL, GA		R4	404 Species	12M	9/27/2011									F
Hatchie Burrowing Crayfish	*Fallicambarus hortoni*	AK		R4	404 Species	12M	9/27/2011									F
Hellbender	*Cryptobranchus alleganiensis*	AL, AK, GA, IL, IN, IA, KS, KY, MD, MN, MS, MO, NY, NC, OH, PA, SC, TN, VA, WV		R4	Eastern Hellbender; 404 Species; 13 Amphibi	12M	9/27/2011									F
Helmet Rocksnail	*Lithasia duttoniana*	TN		R4	404 Species	12M	9/27/2011									F
Henry's Spider-lily	*Hymenocallis henryae*	FL		R4	404 Species	12M	9/27/2011									F
Hiwassee Headwater Crayfish	*Cambarus parrishi*	GA, NC		R4	404 Species	12M	9/27/2011									F
Hobb's Cave Amphipod	*Crangonyx hobbsi*	FL		R4	404 Species	12M	9/27/2011									F

Common name	*Scientific name*	States or Territories within the Historical Range	LPN	Lead USFWS Region	Package names	Required Action	90 Day Substantial	90 Day Not Substantial	12 Month Warranted	12 Month Not Warranted	Proposed (Prior to 1/2013 - PLPCH; Post 1/2013 PL Only	PCH	Final L	Final CH	Notes:	Action in Progress
Holiday Darter	*Etheostoma brevirostrum*	AL, GA, TN		R4	404 Species	12M	9/27/2011									F
Hornwort	*Megaceros aenigmaticus*			R4	404 Species	12M	9/27/2011									F
Hubbard's Cave Beetle	*Pseudanophthalmus hubbardi*	VA		R4	404 Species	12M	9/27/2011									F
Hubricht's Cave Beetle	*Pseudanophthalmus hubrichti*	VA		R4	404 Species	12M	9/27/2011									F
Ichetucknee Siltsnail	*Floridobia mica*	FL		R4	404 Species	12M	9/27/2011									F
Impressed-nerved Sedge	*Carex impressinervia*			R4	404 Species	12M	9/27/2011									F
Inflated Floater	*Pyganodon gibbosa*			R4	404 Species	12M	9/27/2011									F
Inflated Spike	*Elliptio purpurella*			R4	404 Species	12M	9/27/2011									F
Insular Cotton Rat	*Sigmodon hispidus insulicola*	FL		R4	404 Species; 4 mammal species from 404 pet	12M	9/27/2011									F
Irons Fork Burrowing Crayfish	*Procambarus reimeri*			R4	404 Species	12M	9/27/2011									F
Jackson Prairie Crayfish	*Procambarus barbiger*	MS		R4	404 Species	12M	9/27/2011									F
Jefferson County Crayfish	*Fallicambarus gilpini*	AK		R4	404 Species	12M	9/27/2011									F
Karst Snowfly	*Allocapnia cunninghami*			R4	404 Species	12M	9/27/2011									F
Kentucky Creekshell	*Villosa ortmanni*	KY		R4	404 Species	12M	9/27/2011									F
Kirtland's Snake	*Clonophis kirtlandii*	IL, ID, KY, MI, OH, PA		R4	404 Species; 13 Amphibian and X Reptiles fro	12M	9/27/2011									F
Kisatchie Painted Crayfish	*Orconectes maletae*			R4	404 Species	12M	9/27/2011									F
Knobby Rocksnail	*Lithasia curta*	AL		R4	404 Species	12M	9/27/2011									F
Kral's Yellow-eyed Grass	*Xyris longisepala*	AL, FL		R4	404 Species	12M	9/27/2011									F
Lagniappe Crayfish	*Procambarus lagniappe*			R4	404 Species	12M	9/27/2011									F
Large-flowered Barbara's-buttons	*Marshallia grandiflora*	KY, MD, NC, PA, TN, WV		R4	404 Species	12M	9/27/2011									F
Lean Crayfish	*Cambarus strigosus*			R4	404 Species	12M	9/27/2011									F
Lea's Bog Lichen	*Phaeophyscia leana*			R4	404 Species	12M	9/27/2011									F
Lilyshoals Elimia	*Elimia annettae*	AL		R4	404 Species	12M	9/27/2011									F
Little Kennedy Cave Beetle	*Pseudanophthalmus cordicollis*	VA		R4	404 Species	12M	9/27/2011									F
Lobed Barren-strawberry	*Waldsteinia lobata*	GA, SC		R4	404 Species	12M	9/27/2011									F
Lobed Roachfly	*Tallaperla lobata*			R4	404 Species	12M	9/27/2011									F
Long Beach Seedbox	*Ludwigia brevipes*			R4	404 Species	12M	9/27/2011									F
Longhead Darter	*Percina macrocephala*	KY, NY, NC, OH, PA, TN, VA, WV		R4	404 Species	12M	9/27/2011									F
Longnose Darter	*Percina nasuta*	AK, MO, OK		R4	404 Species	12M	9/27/2011									F
Longsolid	*Fusconaia subrotunda*			R4	404 Species	12M	9/27/2011									F
Louisiana Eyed Silkmoth	*Automeris louisiana*			R4	404 Species	12M	9/27/2011									F
Louisiana Needlefly	*Leuctra szczytkoi*			R4	404 Species	12M	9/27/2011									F
Lowland Loosestrife	*Lythrum flagellare*	FL		R4	404 Species	12M	9/27/2011									F
MacGillivray's Seaside Sparrow	*Ammodrammus maritimus macgillivraii*	AL		R4	MacGillivray's Seaside Sparrow; 404 Species	12M	9/27/2011									F
Magnificent Ram's -horn	*Planorbella magnifica*	NC		R4	404 Species	12M	9/27/2011									F
Maiden Spring Cave Beetle	*Pseudanophthalmus virginicus*	VA		R4	404 Species	12M	9/27/2011									F
Mammoth Spring Crayfish	*Orconectes marchandi*			R4	404 Species	12M	9/27/2011									F
Manitou Cavesnail	*Antrorbis breweri*			R4	404 Species	12M	9/27/2011									F
Meadow Joint-vetch	*Aeschynomene pratensis*			R4	404 Species	12M	9/27/2011									F
Miami Cave Crayfish	*Procambarus milleri*			R4	404 Species	12M	9/27/2011									F
Mimic Crayfish	*Distocambarus carlsoni*			R4	404 Species	12M	9/27/2011									F
Minute Cave Amphipod	*Stygobromus parvus*	WV		R4	404 Species	12M	9/27/2011									F
Mississippi Flatwoods Crayfish	*Procambarus cometes*	MS		R4	404 Species	12M	9/27/2011									F
Morrison's Cave Amphipod	*Stygobromus morrisoni*	VA, WV		R4	404 Species	12M	9/27/2011									F
mountain purple pitcherplant	*Sarracenia purpurea var. montana*			R4	404 Species	12M	9/27/2011									F
Mountain River Cruiser	*Macromia margarita*	GA, NC, SC, TN, VA		R4	404 Species	12M	9/27/2011									F
Mud Elimia	*Elimia alabamensis*	AL		R4	404 Species	12M	9/27/2011									F
Narrow Cave Beetle	*Pseudanophthalmus egberti*	VA		R4	404 Species	12M	9/27/2011									F
Narrowleaf Carolina Scalystem	*Elytraria caroliniensis var. angustifolia*			R4	404 Species	12M	9/27/2011									F
Narrowleaf Naiad	*Najas filifolia*	FL, GA		R4	404 Species	12M	9/27/2011									F
Natural Bridge Cave Beetle	*Pseudanophthalmus pontis*	VA		R4	404 Species	12M	9/27/2011									F
Neuse River Waterdog (salamander)	*Necturus lewisi*	NC		R4	404 Species; 13 Amphibian and X Reptiles fro	12M	9/27/2011									F
Newberry Burrowing Crayfish	*Distocambarus youngineri*	SC		R4	404 Species	12M	9/27/2011									F
No common name	*Caecidotea cannula*			R4	404 Species	12M	9/27/2011									F
Nodulose Coosa River Snail	*Elimia lachryma*			R4	404 Species	12M	9/27/2011									F
Northern cavefish	*Amblyopsis spelaea*	ID, KY		R4	404 Species	12M	9/27/2011									F
Northern Red-bellied Cooter	*Pseudemys rubriventris*			R4	404 Species; 13 Amphibian and X Reptiles fro	12M	9/27/2011									F
Ocala Vetch	*Vicia ocalensis*	FL		R4	404 Species	12M	9/27/2011									F
Ocmulgee Marstonia	*Marstonia agarhecta*	GA		R4	404 Species	12M	9/27/2011									F
Ocmulgee Skullcap	*Scutellaria ocmulgee*	GA		R4	404 Species	12M	9/27/2011									F
Oklahoma Salamander	*Eurycea tynerensis*	MO, AK, OK		R4	404 Species; 13 Amphibian and X Reptiles fro	12M	9/27/2011									F
Oktibbeha Riverlet Crayfish	*Hobbseus orconectoides*	MS		R4	404 Species	12M	9/27/2011									F
One-Toed Amphiuma	*Amphiuma pholeter*			R4	404 Species; 13 Amphibian and X Reptiles fro	12M	9/27/2011									F
Orange Lake Cave Crayfish	*Procambarus franzi*			R4	404 Species	12M	9/27/2011									F
Orangefin Madtom	*Noturus gilberti*	NC, VA		R4	404 Species	12M	9/27/2011									F
Orlando Cave Crayfish	*Procambarus acherontis*	FL		R4	404 Species	12M	9/27/2011									F
Ouachita Burrowing Crayfish	*Fallicambarus harpi*	AK		R4	404 Species	12M	9/27/2011									F
Ouachita Madtom	*Noturus lachneri*	AK		R4	404 Species	12M	9/27/2011									F
Overlooked Cave Beetle	*Pseudanophthalmus praetermissus*	VA		R4	404 Species	12M	9/27/2011									F
Ozark chub	*Erimystax harryi*			R4	404 Species	12M	9/27/2011									F
Ozark Emerald	*Somatochlora ozarkensis*			R4	404 Species	12M	9/27/2011									F
Ozark Pyrg	*Marstonia ozarkensis*	AK		R4	404 Species	12M	9/27/2011									F
Ozark Shiner	*Notropis ozarcanus*	AK, MO		R4	404 Species	12M	9/27/2011									F
Paleback Darter	*Etheostoma pallididorsum*	AK		R4	404 Species	12M	9/27/2011									F
Pallid Cave Crayfish	*Procambarus pallidus*			R4	404 Species	12M	9/27/2011									F
Panama City Crayfish	*Procambarus econfinae*	FL		R4	Panama City Crayfish; 404 Species	12M	9/27/2011									F
Panhandle Lily	*Lilium iridollae*	AL, FL		R4	404 Species	12M	9/27/2011									F
Panhandle Meadow-beauty	*Rhexia salicifolia*	AL, FL		R4	404 Species	12M	9/27/2011									F
Pascagoula Map Turtle	*Graptemys gibbonsi*			R4	404 Species; 13 Amphibian and X Reptiles fro	12M	9/27/2011									F
Patch-nosed Salamander	*Urspelerpes brucei*	CA		R4	404 Species; 13 Amphibian and X Reptiles fro	12M	9/27/2011									F
Peppered Shiner	*Notropis perpallidus*			R4	404 Species	12M	9/27/2011									F
Piebald Madtom	*Noturus gladiator*			R4	404 Species	12M	9/27/2011									F

Common name	*Scientific name*	States or Territories within the Historical Range	LPN	Lead USFWS Region	Package names	Required Action	90 Day Substantial	90 Day Not Substantial	12 Month Warranted	12 Month Not Warranted	Proposed (Prior to 1/2013 - PLPCH; Post 1/2013 PL Only	PCH	Final L	Final CH	Notes:	Action in Progress
Pine Island Oryzomys or Marsh Rice Rat	*Oryzomys palustris pop. 1*	FL		R4	404 Species; 4 mammal species from 404 pet	12M	9/27/2011									F
Ponderosa Siltsnail	*Floridobia ponderosa*	FL		R4	404 Species	12M	9/27/2011									F
Popeye Shiner	*Notropis ariommus*			R4	404 Species	12M	9/27/2011									F
Princess Elimia	*Elimia bellacrenata*			R4	404 Species	12M	9/27/2011									F
Pristine Crayfish	*Cambarus pristinus*			R4	404 Species	12M	9/27/2011									F
Prune Elimia	*Elimia chiltonensis*			R4	404 Species	12M	9/27/2011									F
Purple Balduina (Purpledisk honeycombhead)	*Balduina atropurpurea*			R4	404 Species	12M	9/27/2011									F
Purple Lilliput	*Toxolasma lividus*	IL, IN, KY MI, MO, OH, TN		R4	404 Species	12M	9/27/2011									F
Purple Skimmer	*Libellula jesseana*			R4	404 Species	12M	9/27/2011									F
Putnam County Cave Crayfish	*Procambarus morrisi*			R4	404 Species	12M	9/27/2011									F
Pygmy Siltsnail	*Floridobia parva*	FL		R4	404 Species	12M	9/27/2011									F
Pyramid Pigtoe	*Pleurobema rubrum*			R4	404 Species	12M	9/27/2011									F
Raven's Seedbox	*Luwigia ravenii*			R4	404 Species	12M	9/27/2011									F
Rayed Creekshell	*Anodontoides radiatus*			R4	404 Species	12M	9/27/2011									F
Regal Burrowing Crayfish	*Procambarus regalis*			R4	404 Species	12M	9/27/2011									F
Reverse Pepplesnail	*Somatogyrus alcoviensis*			R4	404 Species	12M	9/27/2011									F
Rivergrass	*Calamovilfa arcuata*			R4	404 Species	12M	9/27/2011									F
Robust Redhorse	*Moxostoma robustum*	GA, NC, SC		R4	404 Species	12M	9/27/2011									F
Rockcastle Wood-Aster	*Eurybia saxicastellii*			R4	404 Species	12M	9/27/2011									F
Rocky Shiner	*Notropis suttkusi*			R4	404 Species	12M	9/27/2011									F
Rough-stemmed Aster	*Symphyotrichum puniceum var. scabricaule*	TX		R4	404 Species	12M	9/27/2011									F
Round Hickorynut	*Obovaria subrotunda*			R4	404 Species	12M	9/27/2011									F
Round-Rib Elimia	*Elimia nassula*	AL		R4	404 Species	12M	9/27/2011									F
Rye Cove Isopod	*Lirceus culveri*	VA		R4	404 Species	12M	9/27/2011									F
Saddled Madtom	*Noturus fasciatus*			R4	404 Species	12M	9/27/2011									F
Saint Paul Cave Beetle	*Pseudanophthalmus sanctipauli*	VA		R4	404 Species	12M	9/27/2011									F
Salamander Mussel	*Simpsonaias ambigua*	AK, IL, IN, IA, KY, MI, MO, NY, OH, PA, TN, WV, WI		R4	404 Species	12M	9/27/2011									F
Saline Burrowing Crayfish	*Fallicambarus strawni*			R4	404 Species	12M	9/27/2011									F
Sanibel Island Oryzomys or Marsh Rice Rat	*Oryzomys palustris pop.2*	FL		R4	404 Species; 4 mammal species from 404 pet	12M	9/27/2011									F
Santa Fe Cave Crayfish	*Procambarus erythrops*			R4	404 Species	12M	9/27/2011									F
Savannah Lilliput	*Toxolasma pullus*	GA, NC, SC		R4	404 Species	12M	9/27/2011									F
Say's Spiketail	*Cordulegaster sayi*	FL, GA		R4	404 Species	12M	9/27/2011									F
Septima's Clubtail	*Gomphus septima*	AL, NC		R4	404 Species	12M	9/27/2011									F
Sevier Snowfly	*Allocapnia brooksi*			R4	404 Species	12M	9/27/2011									F
Sharp's Leafy Liverwort	*Plagiochila sharpii ssp. sharpii*			R4	404 Species	12M	9/27/2011									F
Shawnee Darter	*Etheostoma tecumsehi*			R4	404 Species	12M	9/27/2011									F
Shelta Cave Crayfish	*Orconectes sheltae*			R4	404 Species	12M	9/27/2011									F
Shenandoah Cave Beetle	*Pseudanophthalmus limicola*	VA		R4	404 Species	12M	9/27/2011									F
Sherman's Short-tailed Shrew	*Blarina carolinensis shermani*	FL		R4	404 Species; 4 mammal species from 404 pet	12M	9/27/2011									F
Shinner's Sunflower	*Helianthus occidentalis ssp. plantagineus*			R4	404 Species	12M	9/27/2011									F
Shortspire Hornsnail	*Pleurocera curta*	AL, TN		R4	404 Species	12M	9/27/2011									F
Shutispear Crayfish	*Procambarus lylei*	MS		R4	404 Species	12M	9/27/2011									F
Sickle Darter	*Percina williamsi*			R4	404 Species	12M	9/27/2011									F
Silken Cave Beetle	*Pseudanophthalmus sericus*	VA		R4	404 Species	12M	9/27/2011									F
Silver Glen Springs Crayfish	*Procambarus attiguus*			R4	404 Species	12M	9/27/2011									F
Skirted Hornsnail	*Pleurocera pyrenella*	AL, GA		R4	404 Species	12M	9/27/2011									F
Slenderwrist Burrowing Crayfish	*Fallicambarus petilicarpus*	AK		R4	404 Species	12M	9/27/2011									F
Small-flower Meadow-beauty	*Rhexia parviflora*	AL, FL, GA		R4	404 Species	12M	9/27/2011									F
Small-headed Pipewort	*Eriocaulon koernickianum*	AK, GA, OK, TX		R4	404 Species	12M	9/27/2011									F
Smallscale Darter	*Etheostoma microlepidum*			R4	404 Species	12M	9/27/2011									F
Smokies Needlefly	*Megaleuctra williamsae*			R4	404 Species	12M	9/27/2011									F
Smokies Snowfly	*Allocapnia fumosa*			R4	404 Species	12M	9/27/2011									F
Smooth Mudalia	*Leptoxis virgata*			R4	404 Species	12M	9/27/2011									F
Smooth-barked St. John's-wort	*Hypericum lissophloeus*			R4	404 Species	12M	9/27/2011									F
Southern Elktoe	*Alasmidonta triangulata*			R4	404 Species	12M	9/27/2011									F
Southern Lance	*Elliptio ahenea*			R4	404 Species	12M	9/27/2011									F
Southern Meadowrue	*Thalictrum debile*	AL, GA, MS		R4	404 Species	12M	9/27/2011									F
Southern Racemose Goldenrod	*Solidago arenicola*			R4	404 Species	12M	9/27/2011									F
Southern Snaketail	*Ophiogomphus australis*			R4	404 Species	12M	9/27/2011									F
Spathulate Seedbox	*Ludwigia spathulata*			R4	404 Species	12M	9/27/2011									F
Speckled Burrowing Crayfish	*Fallicambarus danielae*	Al, MS		R4	404 Species	12M	9/27/2011									F
Spider Cave Crayfish	*Troglocambarus maclanei*			R4	404 Species	12M	9/27/2011									F
Spider Elimia	*Elimia arachnoidea*			R4	404 Species	12M	9/27/2011									F
Spiny Riversnail	*Io fluvialis*	TN, VA		R4	404 Species	12M	9/27/2011									F
Spinytail Crayfish	*Procambarus fitzpatricki*	MS		R4	404 Species	12M	9/27/2011									F
Spotted Rocksnail	*Leptoxis picta*	AL		R4	404 Species	12M	9/27/2011									F
St. John's Elephant Ear	*Elliptio monroensis*	FL		R4	404 Species	12M	9/27/2011									F
Streamside Salamander	*Ambystoma barbouri*			R4	404 Species; 13 Amphibian and X Reptiles fro	12M	9/27/2011									F
Striated Darter	*Etheostoma striatulum*	TN		R4	404 Species	12M	9/27/2011									F
Striped Mud Turtle - Lower FL Keys	*Kinosternon baurii pop.1*			R4	404 Species; 13 Amphibian and X Reptiles fro	12M	9/27/2011									F
Sucarnoochee River Crayfish	*Orconectes jonesi*			R4	404 Species	12M	9/27/2011									F
Sun-facing Coneflower	*Rudbeckia heliopsidis*	AL, GA, NC, SC, VA		R4	404 Species	12M	9/27/2011									F
Suwannee Moccasinshell	*Medionidus walkeri*			R4	Suwannee Moccasinshell; 404 Species	12M	9/27/2011									F
Swamp Buckhorn or GA Bully	*Sideroxylon thornei*			R4	404 Species	12M	9/27/2011									F
Tallapoosa Orb	*Quadrula asperata archeri*			R4	404 Species	12M	9/27/2011									F
Tennessee Cave Crayfish	*Orconectes incomptus*			R4	404 Species	12M	9/27/2011									F
Tennessee Cave Salamander	*Gyrinophilus palleucus*	AL, GA, TN		R4	404 Species; 13 Amphibian and X Reptiles fro	12M	9/27/2011									F
Tennessee Clubshell	*Pleurobema oviforme*	KY, TN, VA		R4	404 Species	12M	9/27/2011									F
Tennessee Clubtail	*Gomphus sandrius*	TN		R4	404 Species	12M	9/27/2011									F
Tennessee Forestfly	*Amphinemura mockfordi*			R4	404 Species	12M	9/27/2011									F

Common name	*Scientific name*	States or Territories within the Historical Range	LPN	Lead USFWS Region	Package names	Required Action	90 Day Substantial	90 Day Not Substantial	12 Month Warranted	12 Month Not Warranted	Proposed (Prior to 1/2013 - PLPCH; Post 1/2013 PL Only	PCH	Final L	Final CH	Notes:	Action in Progress
Tennessee Heelsplitter	*Lasmigona holstonia*	AL, GA, IL, IN, KY, TN, VA		R4	404 Species	12M	9/27/2011									F
Tennessee Pigtoe	*Pleuronaia barnesiana*			R4	404 Species	12M	9/27/2011									F
Tennessee Pondweed	*Potamogeton tennesseensis*			R4	404 Species	12M	9/27/2011									F
Texas Emerald	*Somatochlora margarita*	TX		R4	404 Species	12M	9/27/2011									F
Texas Trillium	*Trillium texanum*	AK, LA, TX		R4	404 Species	12M	9/27/2011									F
Thin-wall Quillwort	*Isoetes microvela*			R4	404 Species	12M	9/27/2011									F
Thomas's Cave Beetle	*Pseudanophthalmus thomasi*	VA		R4	404 Species	12M	9/27/2011									F
Thorne's Beakbush	*Rhynchospora thornei*	FL, GA, NC		R4	404 Species	12M	9/27/2011									F
Tidewater Amphipod	*Stygobromus indentatus*	MD, NC, VA		R4	404 Species	12M	9/27/2011									F
Tippecanoe Darter	*Etheostoma tippecanoe*			R4	404 Species	12M	9/27/2011									F
Tombigbee Riverlet Crayfish	*Hobbseus petilus*			R4	404 Species	12M	9/27/2011									F
Trispot Darter	*Etheostoma trisella*	AL, GA, TN		R4	404 Species	12M	9/27/2011									F
Tuscumbia Darter	*Etheostoma tuscumbia*	AL, TN		R4	404 Species	12M	9/27/2011									F
Variable-leaved Indian-Plantain	*Arnoglossum diversifolium*			R4	404 Species	12M	9/27/2011									F
Virginia Stone	*Acroneuria kosztarabi*			R4	404 Species	12M	9/27/2011									F
Waccamaw Fatmucket	*Lampsilis fullerkati*	NC		R4	404 Species	12M	9/27/2011									F
Walnut Elimia	*Elimia bellula*	AL		R4	404 Species	12M	9/27/2011									F
Warrior Darter	*Etheostoma bellator*	AL		R4	404 Species	12M	9/27/2011									F
Warrior Pigtoe	*Pleurobema rubellum*	AL		R4	404 Species	12M	9/27/2011									F
Water Stitchwort	*Stellaria fontinalis*	KY, TN, VA		R4	404 Species	12M	9/27/2011									F
Wekiwa Hydrobe Snail	*Aphaostracon monas*	FL		R4	404 Species	12M	9/27/2011									F
Wekiwa Siltsnail	*Floridobia wekiwae*	FL		R4	404 Species	12M	9/27/2011									F
West Florida Cow-lily	*Nuphar lutea ssp. ulvacea*			R4	404 Species	12M	9/27/2011									F
West Virginia Spring Salamander	*Gyrinophilus subterraneus*	WV		R4	404 Species; 13 Amphibian and X Reptiles fro	12M	9/27/2011									F
Western Chicken Turtle	*Deirochelys reticularia miaria*			R4	404 Species; 13 Amphibian and X Reptiles fro	12M	9/27/2011									F
Western Fanshell	*Cyprogenia aberti*	AK, KS, MO, OK		R4	404 Species	12M	9/27/2011									F
Westfall's Clubtail	*Gomphus westfalli*	FL		R4	404 Species	12M	9/27/2011									F
West's Flax	*Linum westii*	FL, GA		R4	404 Species	12M	9/27/2011									F
Wherry's Sweet Pitcherplant	*Sarracenia rubra ssp. wherryi*	AL, MS		R4	404 Species	12M	9/27/2011									F
Winter or Evergreen Quillwort	*Isoetes hyemalis*			R4	404 Species	12M	9/27/2011									F
Wire-leaved Dropseed	*Sporobolus teretifolius*			R4	404 Species	12M	9/27/2011									F
Woodville Karst Cave Crayfish	*Procambarus orcinus*			R4	404 Species	12M	9/27/2011									F
Yalobusha Riverlet Crayfish	*Hobbseus yalobushensis*			R4	404 Species	12M	9/27/2011									F
Yazoo Crayfish	*Orconectes hartfieldi*			R4	404 Species	12M	9/27/2011									F
Yellow Anisetree	*Illicium parviflorum*	FL		R4	404 Species	12M	9/27/2011									F
Yellow Lance	*Elliptio lanceolata*	NC, VA		R4	404 Species	12M	9/27/2011									F
Yellow-sided Clubtail	*Stylurus potulentus*			R4	404 Species	12M	9/27/2011									F
Angular Dwarf Crayfish	*Cambarellus lesliei*			R4	404 Species	12M	9/27/2011									F
Bayou Bodcau Crayfish	*Bouchardina robisoni*			R4	404 Species	12M	9/27/2011									F
Big South Fork Crayfish	*Cambarus bouchardi*	KY, TN, VA		R4	404 Species	12M	9/27/2011									F
Chauga Crayfish	*Cambarus chaugaensis*			R4	404 Species	12M	9/27/2011									F
Chickamauga Crayfish	*Cambarus extraneus*	GA, TN		R4	404 Species	12M	9/27/2011									F
Conasauga Blue Burrower	*Cambarus cymatilis*			R4	404 Species	12M	9/27/2011									F
Coosawattae Crayfish	*Cambarus coosawattae*			R4	404 Species	12M	9/27/2011									F
Cypress Crayfish	*Cambarellus blacki*			R4	404 Species	12M	9/27/2011									F

Common name	*Scientific name*	States or Territories within the Historical Range	LPN	Lead USFWS Region	Package names	Required Action	90 Day Substantial	90 Day Not Substantial	12 Month Warranted	12 Month Not Warranted	Proposed (Prior to 1/2013 - PLPCH; Post 1/2013 PL Only	PCH	Final L	Final CH	Notes:	Action in Progress
Dougherty Plain Cave Crayfish	*Cambarus cryptodytes*			R4	404 Species	12M	9/27/2011									F
Duke's Skipper	*Euphyes dukesi calhouni*			R4	404 Species	12M	9/27/2011									F
Elk River Crayfish	*Cambarus elkensis*			R4	404 Species	12M	9/27/2011									F
Etowah Crayfish	*Cambarus fasciatus*			R4	404 Species	12M	9/27/2011									F
Grandfather Mountain Crayfish	*Cambarus eeseeohensis*			R4	404 Species	12M	9/27/2011									F
Least Crayfish	*Cambarellus diminutus*			R4	404 Species	12M	9/27/2011									F
Linda's Roadside-skipper	*Amblyscirtes linda*			R4	404 Species	12M	9/27/2011									F
Little Oecetis Longhorn Caddisfly	*Oecetis parva*	FL		R4	404 Species	12M	9/27/2011									F
Little Tennessee Crayfish	*Cambarus georgiae*	GA, NC		R4	404 Species	12M	9/27/2011									F
Logan's Agarodes Caddisfly	*Agarodes logani*			R4	404 Species	12M	9/27/2011									F
Morse's Little Plain Brown Sedge	*Lepidostoma morsei*			R4	404 Species	12M	9/27/2011									F
New River Crayfish	*Cambarus chasmodactylus*	NC, VA, WV		R4	404 Species	12M	9/27/2011									F
Obey Crayfish	*Cambarus obeyensis*	TN		R4	404 Species	12M	9/27/2011									F
Palatka Skipper	*Euphyes pilatka klotsi*			R4	404 Species	12M	9/27/2011									F
Piedmont Blue Burrower	*Cambarus harti*			R4	404 Species	12M	9/27/2011									F
Rare Skipper	*Problema bulenta*	GA, MD, NC, SC, VA		R4	404 Species	12M	9/27/2011									F
Seepage Salamander	*Desmognathus aeneus*	AL, GA, NC, TN		R4	404 Species	12M	9/27/2011									F
Setose Cream and Brown Mottled Microcaddisfly	*Oxyethira setosa*			R4	404 Species	12M	9/27/2011									F
Slenderclaw Crayfish	*Cambarus cracens*			R4	404 Species	12M	9/27/2011									F
Spiny Scale Crayfish	*Cambarus jezerinaci*			R4	404 Species	12M	9/27/2011									F
Sykora's Hydroptila Caddisfly	*Hydroptila sykorae*			R4	404 Species	12M	9/27/2011									F
Three-toothed Triaenodes Caddisfly	*Triaenodes tridontus*	FL, OK		R4	404 Species	12M	9/27/2011									F
Berry Cave Salamander	*Gyrinophilus gulolineatus*	TN	8	R4	Berry Cave Salamander	PLPCH	3/18/2010		3/22/2011							F
Puerto Rico harlequin butterfly	*Atlantea tulita*	PR	2	R4	Puerto Rico harlequin butterfly	PLPCH	4/26/2010		5/31/2011							F
Striped Newt	*Notophthalmus perstriatus*	FL, GA	8	R4	Striped Newt	PLPCH	3/23/2010		6/7/2011							F
Leatherback sea turtle	*Dermochelys coriacea*	AL, AK, CA, CT, DE, FL, FA, HI, LA, ME, MD, MA, MS, NH, NJ, NY, NC, OR, PR, RI, SC, TX, VA, VI, WA		R4	leatherback ch revision	PLPCH	8/4/2011		8/4/2011							Y
Gopher Tortoise	*Gopherus polyphemus*	AL, LA, MS	8	R4	Gopher Tortoise - eastern population	PLPCH			7/27/2011							
Peaks of Otter Salamander	*Plethodon hubrichti*	VA		R5	53 Reptiles and Amphibians	90D										
Spotted Turtle	*Clemmys guttata*	FL, GA, SC, NC, VA, MD, NY, VT, ME, PA, MI, OH, WV, IL, CT, MA, NH, DE		R5	53 Reptiles and Amphibians	90D										
White-spotted Salamander	*Plethodon punctatus*	VA, MD, WV		R5	53 Reptiles and Amphibians	90D										
Wood Turtle	*Glyptemys insculpta*	PA, WI, MN, MI, VA, IA, NY, ME, VT, NH, CT, MA, DE, MD		R5	53 Reptiles and Amphibians	90D										
Seaside Alder	*Alnus maritima*	DE, MD, OK		R5	404 Species	12M	9/27/2011									F
South Branch Valley Cave Beetle	*Pseudanophthalmus potomaca*	WV, VA		R5	404 Species	12M	9/27/2011									F
Bicknell's Thrush	*Catharus bicknelli*	MA, NH, NY, VT		R5	Bicknell's Thrush	12M	8/15/2012									Y
Springtail, Heller cave	*Typhlogastrura helleri*	PA		R5	Heller cave springtail	12M	11/14/2012									F
Colorado Checkered Whiptail	*Aspidoscelis neotesselata*	CO		R6	53 Reptiles and Amphibians	90D										
spinedace, Virgin River	Lepidomeda mollispinis mollispinis			R6		90D										
Butterfly, Regal Fritillary	Speyeria idalia			R6		90D										
Butterfly, Great Basin Silverspot	Speyeria nokomis nokomis			R6		90D										
Diving Beetle, Narrow-foot Hygtotus	Hygrotus diversipes			R6		90D										
Beetle, Scott Riffle	Optioservus phaeus gilbert			R6		90D										
Fisher, Northern Rockies population	Pekania pennanti			R6		90D										
Boat-shaped bugseed	*Corispermum navicula*	CO		R6	206 Mountain-Prairie Region species; 3 Colo	12m	8/18/2009									F
Brandegee's wild buckwheat	*Eriogonum brandegeei*	CO		R6	206 Mountain-Prairie Region species; 3 Colo	12m	8/18/2009									F
Cisco milkvetch	*Astragalus sabulosus*	UT		R6	206 Mountain-Prairie Region species; 2 Utah	12m	8/18/2009									F
Isely milkvetch	*Astragalus iselyi*	UT		R6	206 Mountain-Prairie Region species; 2 Utah	12m	8/18/2009									F
No Common Name	*Lesquerella navajoensis*	AZ, NM, NN, UT		R6	206 Mountain-Prairie Region species; 475 Sp	12m	8/18/2009									F
Pale blue-eyed grass	*Sisyrinchium sarmentosum*	ND, OR, WA		R6	206 Mountain-Prairie Region species; sisyrin	12m	8/18/2009									F
Pine Springs cryptantha (aka Catseye)	*Cryptantha semiglabra*	AZ, UT		R6	206 Mountain-Prairie Region species; 475 Sp	12m	8/18/2009									F
Weber whitlowgrass	*Draba weberi*	CO		R6	206 Mountain-Prairie Region species; 3 Colo	12m	8/18/2009									F
Hamilin Valley pyrg	*pyrgulopsis hamlinesis*	UT		R6	42 springsnail species (ca, nv, ut); 3 Utah Mo	12M	8/18/2009									F
Subglobose Snake Pyrg	*pyrgulopsis saxatilis*	UT		R6	206 Mountain-Prairie Region species; 42 spri	12M	8/18/2009									F
Bifid duct Pyrg	*Pyrgulopsis peculiaris*	NV, UT		R6	4 Great Basin springsnails; 42 springsnail spe	12M	9/13/2011									F
White Tailed ptarmigan	*Lagopus leucura*			R6	White Tailed ptarmigan	12M	6/5/2012									F
Rocky Mountain Monkeyflower (aka Weber's	*Mimulus gemmiparus*	CO		R6	206 Mountain-Prairie Region species	12M	8/29/2012	2/5/2009								N
Schmoll Milkvetch	*Astragalus schmolliae*	CO	8	R6	206 Mountain-Prairie Region species; 2 CO p	PLPCH	8/18/2009		12/15/2010							F
Skiff Milkvetch	*Astragalus microcymbus*	CO	8	R6	206 Mountain-Prairie Region species; 2 CO p	PLPCH	8/18/2009		12/15/2010							F
Frisco Buckwheat	*Eriogonum soredium*	UT	8	R6	206 Mountain-Prairie Region species; 5 UT p	PLPCH	8/18/2009		2/23/2011							F
frisco clover	*Trifolium friscanum*	UT	8	R6	206 Mountain-Prairie Region species; 5 UT p	PLPCH	8/18/2009		2/23/2011							F
Ostlers peppergrass	*Lepidium ostleri*	UT	8	R6	206 Mountain-Prairie Region species; 5 UT p	PLPCH	8/18/2009		2/23/2011							F
Meltwater Lednian Stonefly	*Lednia tumana*	MT	5	R6	206 Mountain-Prairie Region species; 3 Mou	PLPCH	8/18/2009		4/5/2011							F
Fremont County Rockcress	*Boechere Arabis pusilla*	WY	8	R6	206 Mountain-Prairie Region species; 5 WY p	PLPCH	8/18/2009		6/9/2011							F
Arapahoe Snowfly (aka Xerces Snowfly)	*Capnia arapahoe*	CO	5	R6	xerces arapahoe snowfly	PLPCH	4/26/2011		5/10/2012							F
Whitebark Pine	*Pinus albicaulis*	ID, MT, OR, WY	2	R6	Whitebark Pine	PLPCH			7/19/2011							
California Giant Salamander	*Dicamptodon ensatus*	CA		R8	53 Reptiles and Amphibians	90D										
Colorado Desert Fringe-toed Lizard	*Uma notata*	CA, AZ		R8	53 Reptiles and Amphibians	90D										
Foothill Yellow-legged Frog	Rana boylii	CA		R8	53 Reptiles and Amphibians	90D										
Inyo Mountains Salamander	*Batrachoseps campi*	CA		R8	53 Reptiles and Amphibians	90D										

Common name	*Scientific name*	States or Territories within the Historical Range	LPN	Lead USFWS Region	Package names	Required Action	90 Day Substantial	90 Day Not Substantial	12 Month Warranted	12 Month Not Warranted	Proposed (Prior to 1/2013 - PLPCH; Post 1/2013 PL Only	PCH	Final L	Final CH	Notes:	Action in Progress
Kern Canyon Slender Salamander	*Batrachoseps simatus*	CA		R8	53 Reptiles and Amphibians	90D										
Kern Plateau Salamander	*Batrachoseps robustus*	CA		R8	53 Reptiles and Amphibians	90D										
Kings River Slender Salamander	*Batrachoseps regius*	CA		R8	53 Reptiles and Amphibians	90D										
Lesser Slender Salamander	*Batrachoseps minor*	CA		R8	53 Reptiles and Amphibians	90D										
Panamint Alligator Lizard	*Elgaria panamintina*	CA		R8	53 Reptiles and Amphibians	90D										
Relictual Slender Salamander	*Batrachoseps relictus*	CA		R8	53 Reptiles and Amphibians	90D										
Sandstone Night Lizard	*Xantusia gracilis*	CA		R8	53 Reptiles and Amphibians	90D										
Shasta Salamander	*Hydromantes shastae*	CA		R8	53 Reptiles and Amphibians	90D										
Southern Rubber Boa	*Charina umbratica*	CA		R8	53 Reptiles and Amphibians	90D										
Western Spadefoot	*Spea hammondii*	CA		R8	53 Reptiles and Amphibians	90D										
Hitch, Clear Lake	*Lavinia exilicauda chi*	CA		R8		90D										
Longitudinal-Gland pyrg (aka Longitudinal pyrg)	*Pyrgulopsis anguina*	NV, UT		R8	206 Mountain-Prairie Region species; 42 spri	12M	8/18/2009									F
Leona's Little Blue Butterfly	*Philotiella leona*			R8	Leona's Little Blue Butterfly	12M	8/17/2011									Y
Amargosa tryonia	*Tryonia variegata*	CA, NV		R8	42 springsnail species (ca, nv, ut); 10 Amargo	12M	9/13/2011									F
Ash Meadows Pebblesnail	*Pyrgulopsis erythropoma*	NV		R8	42 springsnail species (ca, nv, ut); 10 Amargo	12M	9/13/2011									F
Blue Point Pyrg	*Pyrgulopsis coloradensis*	NV		R8	42 springsnail species (ca, nv, ut); 14 Cave, V	12M	9/13/2011									F
Butterfield Pyrg	*Pyrgulopsis lata*	NV		R8	42 springsnail species (ca, nv, ut); 14 Cave, V	12M	9/13/2011									F
Corn Creek Pyrg	*Pyrgulopsis fausta*	NV		R8	42 springsnail species (ca, nv, ut); 14 Cave, V	12M	9/13/2011									F
Crystal Springsnail	*Pyrgulopsis crystalis*	NV		R8	42 springsnail species (ca, nv, ut); 10 Amargo	12M	9/13/2011									F
Distal-Gland Springsnail	*Pyrgulopsis nanus*	NV		R8	42 springsnail species (ca, nv, ut); 10 Amargo	12M	9/13/2011									F
Elongate-Gland Springsnail	*Pyrgulopsis isolatus*	NV		R8	42 springsnail species (ca, nv, ut); 10 Amargo	12M	9/13/2011									F
Fairbanks Springsnail	*Pyrgulopsis fairbanksensis*	NV		R8	42 springsnail species (ca, nv, ut); 10 Amargo	12M	9/13/2011									F
Flag pyrg	*Pyrgulopsis breviloba*	NV		R8	4 Great Basin springsnails; 42 springsnail spe	12M	9/13/2011									F
Flat-topped Steptoe Pyrg	*Pyrgulopsis planulata*	NV		R8	42 springsnail species (ca, nv, ut); 10 Ralston	12M	9/13/2011									F
Grated tryonia	*Tryonia clathrata*	NV		R8	42 springsnail species (ca, nv, ut); 14 Cave, V	12M	9/13/2011									F
Hardy Pyrg	*Pyrgulopsis marcida*	NV		R8	4 Great Basin springsnails; 42 springsnail spe	12M	9/13/2011									F
Hubbs Pyrg	*Pyrgulopsis hubbsi*	NV		R8	42 springsnail species (ca, nv, ut); 14 Cave, V	12M	9/13/2011									F
Lake Valley Pyrg	*Pyrgulopsis sublata*	NV		R8	4 Great Basin springsnails; 42 springsnail spe	12M	9/13/2011									F
Landyes pyrg	*Pyrgulopsis landyei*	NV		R8	42 springsnail species (ca, nv, ut); 10 Ralston	12M	9/13/2011									F
Median-Gland Nevada Springsnail	*Pyrgulopsis pisteri*	NV		R8	42 springsnail species (ca, nv, ut); 10 Amargo	12M	9/13/2011									F
Minute Tryonia	*Tryonia ericae*	NV		R8	42 springsnail species (ca, nv, ut); 10 Amargo	12M	9/13/2011									F
Moapa pebblesnail	*Pyrgulopsis avernails*	NV		R8	42 springsnail species (ca, nv, ut); 14 Cave, V	12M	9/13/2011									F
Moapa Valley Pyrg	*Pyrgulopsis carinifera*	NV		R8	42 springsnail species (ca, nv, ut); 14 Cave, V	12M	9/13/2011									F
Neritiform Steptoe Ranch Pyrg	*Pyrgulopsis neritella*	NV		R8	42 springsnail species (ca, nv, ut); 10 Ralston	12M	9/13/2011									F
Northern Steptoe Pyrg	*Pyrgulopsis serrata*	NV		R8	42 springsnail species (ca, nv, ut); 10 Ralston	12M	9/13/2011									F
Pahranagat pebblesnail	*Pyrgulopsis merriami*	NV		R8	42 springsnail species (ca, nv, ut); 14 Cave, V	12M	9/13/2011									F
Point of Rocks tryonia	*Tryonia elata*	NV		R8	42 springsnail species (ca, nv, ut); 10 Amargo	12M	9/13/2011									F
Sourthern Steptoe pyrg	*Pyrgulopsis sulcata*	NV		R8	42 springsnail species (ca, nv, ut); 10 Ralston	12M	9/13/2011									F
Southeast Nevada Pyrg	*Pyrgulopsis turbatix*	NV		R8	42 springsnail species (ca, nv, ut); 14 Cave, V	12M	9/13/2011									F
Sportinggoods tryonia	*Tryonia angulata*	NV		R8	42 springsnail species (ca, nv, ut); 10 Amargo	12M	9/13/2011									F
Spring Mountains pyrg	*Pyrgulopsis deaconi*	NV		R8	42 springsnail species (ca, nv, ut); 14 Cave, V	12M	9/13/2011									F
Sterile Basin Pyrg	*Pyrgulopsis sterilis*	NV		R8	42 springsnail species (ca, nv, ut); 10 Ralston	12M	9/13/2011									F
Sub-Globose Steptoe Ranch Pyrg	*Pyrgulopsis orbiculata*	NV		R8	42 springsnail species (ca, nv, ut); 10 Ralston	12M	9/13/2011									F
White River Vally Pyrg	*Pyrgulopsis sathos*	NV		R8	42 springsnail species (ca, nv, ut); 14 Cave, V	12M	9/13/2011									F
Big Bar hesperian	*Vespericola pressleyi*	CA		R8	29 Pacific Northwest Mollusks (Formerly 32 S	12M	10/5/2011									F
Chelan mountainsnail	*Oreohelix n. sp. 1*			R8	29 Pacific Northwest Mollusks (Formerly 32 S	12M	10/5/2011									F
Columbia Oregonian	*Cryptomastix hendersoni*	OR, WA		R8	29 Pacific Northwest Mollusks (Formerly 32 S	12M	10/5/2011									F
Dalles Sideband	*Monadenia fidelis minor*	OR		R8	29 Pacific Northwest Mollusks (Formerly 32 S	12M	10/5/2011									F
Evening Fieldslug	*Deroceras hesperium*	OR, WA		R8	29 Pacific Northwest Mollusks (Formerly 32 S	12M	10/5/2011									F
Hoko vertigo	*Vertigo n. sp. 1*	WA		R8	29 Pacific Northwest Mollusks (Formerly 32 S	12M	10/5/2011									F
Keeled jumping-slug (aka Burrington Jumping-slug)	*Hemphillia burringtoni*	WA		R8	29 Pacific Northwest Mollusks (Formerly 32 S	12M	10/5/2011									F
Puget oregonian	*Cryptomastix devia*	OR, WA		R8	29 Pacific Northwest Mollusks (Formerly 32 S	12M	10/5/2011									F
Shasta chaparral	*Trilobopsis roperi*	CA		R8	29 Pacific Northwest Mollusks (Formerly 32 S	12M	10/5/2011									F
Shasta hesperian	*Vespericola shasta*	CA		R8	29 Pacific Northwest Mollusks (Formerly 32 S	12M	10/5/2011									F
Shasta Sideband	*Monadenia troglodytes troglodytes*	CA		R8	29 Pacific Northwest Mollusks (Formerly 32 S	12M	10/5/2011									F
Wintu Sideband	*Monadenia troglodytes wintu*	CA		R8	29 Pacific Northwest Mollusks (Formerly 32 S	12M	10/5/2011									F
San Bernardino flying squirrel	*Glaucomys sabrinus californicus*	CA		R8	San Bernardino flying squirrel	12M	2/1/2012									Y
Eagle Lake rainbow trout	*Oncorhynchus mykiss aquilarum*	CA		R8	Eagle Lake Trout	12M	9/5/2012									Y
Woodpecker, Black-backed	*Picoides articus*			R8	Black-backed woodpecker	12M	4/9/2013									
Canary Duskysnail	*Colligurys convexus (aka Lyogyrus spc)*	CA		R8	29 Pacific Northwest Mollusks (Formerly 32 S	PLPCH	10/5/2011		9/18/2012							Y
Goose Valley Pebblesnail	*Fluminicola anserinus*	CA		R8	29 Pacific Northwest Mollusks (Formerly 32 S	PLPCH	10/5/2011		9/18/2012							Y
Hat Creek Peeblesnail	*Fluminicola umbilicatus*	CA		R8	29 Pacific Northwest Mollusks (Formerly 32 S	PLPCH	10/5/2011		9/18/2012							Y
Nugget pebblesnail	*Fluminicola seminalis*	CA		R8	29 Pacific Northwest Mollusks (Formerly 32 S	PLPCH	10/5/2011		9/18/2012							Y
Potem pebblesnail	*Fluminicola potemicus*	CA		R8	29 Pacific Northwest Mollusks (Formerly 32 S	PLPCH	10/5/2011		9/18/2012							Y
Shasta Springs pebblesnail	*Fluminicola multifarius*	CA		R8	29 Pacific Northwest Mollusks (Formerly 32 S	PLPCH	10/5/2011		9/18/2012							Y
Longfin Smelt (San Francisco Bay Delta population)	*Spirinchus thaleichthys*	CA	3	R8	Longfin Smelt	PLPCH			4/2/2012							
Hermes Copper Butterfly	*Lycaena hermes*	CA, MX	5	R8	Hermes Copper Butterfly	PLPCH			4/16/2011							