ENDANGERED AND THREATENED SPECIES SOUTHEAST REGION

RECOVERY			LEAD	LEAD	LISTING	RECOVERY	5-YEAR REVIEW	RECOVERY LEAD FOR SPP
PRIORITY (RPN)	STATUS	SPECIES	FO	REG	DATE	PLAN DATE		FORSE
Daphne, AL								
3c	ECH	Alabama beach mouse	AL	4	6/6/85	8/12/87	11/23/09	Bill Lynn
5	Е	Alabama cave shrimp	AL	4	9/7/88	9/4/97	1/11/16	Evan Collins
8	T	Alabama (=Inflated) heelsplitter	AL	4	9/28/90	4/13/93	9/5/18	Jennifer Grunewald
5	E(XN)	Alabama lampmussel	AL	4	6/14/76	7/2/85	8/28/12	Evan Collins
8	TCH	Alabama moccasinshell	AL	4	3/17/93	11/17/00	4/7/08	Anthony Ford
5	ECH	Alabama pearlshell	AL	4	10/10/12			Anthony Ford
9	T	Alabama streak-sorus fem (Thelypteris pilosa var alabamensis)	AL	4	7/8/92	10/25/96	3/31/14	Shannon Holbrook
5	ECH	Alabama sturgeon	AL	4	5/5/00	7/18/13	11/9/10	Jennifer Grunewald
5	Е	Armored snail	AL	4	2/25/00		9/22/10	Evan Collins
2	ECH	Black Warrior waterdog	AL	4	1/3/18			Matthias Laschet
5	ECH	Coosa moccasinshell	AL	4	3/17/93	11/17/00	4/7/08	Anthony Ford
8	E	Cylindrical lioplax	AL	4	10/28/98	12/2/05	7/8/16	Anthony Ford
5	ECH	Dark pigtoe	AL	4	3/17/93	11/17/00	4/7/08	Anthony Ford
8	TCH	Fine-lined pocketbook	AL	4	3/17/93	11/17/00	4/7/08	Anthony Ford
5	E	Flat pebblesnail	AL	4	10/28/98	12/2/05	7/8/16	Anthony Ford
2	ECH	Fleshy fruit gladecress (Leavenworthia crassa)	AL	4	8/1/14			Shannon Holbrook
5	ECH	Georgia pigtoe	AL	4	11/2/10	10/30/14		Jennifer Grunewald
5c	Е	Heavy pigtoe (=Judge Tait's mussel)	AL	4	4/7/87	11/14/89	9/8/15	Jennifer Grunewald
2	ECH	Interrupted rocksnail	AL	4	11/2/10	10/30/14		Jennifer Grunewald
5*	T	Kral's water-plantain (Sagittaria secundifolia)	AL	4	4/13/90	8/12/91	4/29/14	Shannon Holbrook
8	T	Lacy elimia	AL	4	10/28/98	12/2/05	7/8/16	Anthony Ford
8	T	Lyrate bladderpod (Lesquerella lyrata)	AL	4	9/28/90	10/17/96	4/8/09	Shannon Holbrook
8	TCH	Orange-nacre mucket	AL	4	3/17/93	11/17/00	4/7/08	Anthony Ford
5	ECH	Ovate clubshell	AL	4	3/17/93	11/17/00	4/7/08	Anthony Ford
5	E	Pale lilliput pearlymussel	AL	4	6/14/76	8/22/84	8/31/11	Evan Collins
8	T	Painted rocksnail	AL	4	10/28/98	12/2/05	7/8/16	Anthony Ford
5c	Е	Plicate rocksnail	AL	4	10/28/98	12/2/05	7/8/16	Anthony Ford
7	T	Red Hills salamander	AL	4	12/3/76	11/23/83	5/6/13	Matthias Laschet
2	ECH	Rough hornsnail	AL	4	11/2/10	10/30/14		Jennifer Grunewald
8	T	Round rocksnail	AL	4	10/28/98	12/2/05	7/8/16	Anthony Ford
5	Е	Slender campeloma	AL	4	2/25/00		8/7/12	Evan Collins
	PT	Slenderclaw crayfish	AL	4				Jennifer Grunewald
5	ECH	Southern acornshell	AL	4	3/17/93	11/17/00	10/15/18	Anthony Ford
5	ECH	Southern clubshell	AL	4	3/17/93	11/17/00	4/7/08	Anthony Ford
5	ECH	Southern pigtoe	AL	4	3/17/93	11/17/00	4/7/08	Anthony Ford
8	TCH	Spring pygmy sunfish	AL	4	12/2/13			Evan Collins
8	E	Tennessee yellow-eyed grass (Xyris tennesseensis)	AL	4	7/26/91	6/24/94	3/12/14	Shannon Holbrook
5	ECH	Triangular kidneyshell	AL	4	3/17/93	11/17/00	4/7/08	Anthony Ford
8c	T	Trispot darter	AL	4	12/28/18			Jennifer Grunewald
8	T	Tulotoma snail	AL	4	1/9/91	11/17/00	2/29/08	Jennifer Grunewald
5	ECH	Upland combshell	AL	4	3/17/93	11/17/00	10/15/18	Anthony Ford
5	E(XN)	White wartyback	AL	4	6/14/76	9/19/84	9/9/16	Evan Collins

A-34;P-5 1 proposed

RECOVERY			LEAD	LEAD	LISTING	RECOVERY	5-YEAR REVIEW	RECOVERY LEAD	ĺ
PRIORITY (RPN)	STATUS	SPECIES	FO	REG	DATE	PLAN DATE		FOR SPP	
Conway, AR						I	I.	<u>.L</u>	_
5c	E(XN)	American burying beetle	AR	2	7/13/89	9/27/91	6/16/08	Melissa Lombardi	1
5	T	Arkansas fatmucket	AR	4	4/5/90	2/10/92	12/12/13	Chris Davidson	
5C	T (extirp)	Arkansas River shiner	AR	2	11/23/98			likely extirpated in AR	
5	E	Cambarus aculabrum (Benton County cave crayfish)	AR	4	4/27/93	10/30/96	5/10/13	Pedro Ardapple	
5	Е	Hell Creek Cave crayfish (C. zophonastes)	AR	4	4/7/87	9/26/88	8/5/12	Pedro Ardapple	1
6	Е	Curtis pearlymussel	AR	3	6/14/76	2/4/86	3/2/10	Chris Davidson	
13	T	Geocarpon minimum (ncn)	AR	4	6/16/87	7/26/93	7/20/16	Jason Phillips	
11c	TCH	Leopard darter	AR	2	1/27/98	draft	9/30/12	Alyssa Bangs	
8	T	Missouri bladderpod (Physaria filiformis)	AR	3	1/8/87	4/7/88	9/23/15	Rebecca Peak	
5	ECH	Neosho mucket	AR	4	9/17/13	draft		Chris Davidson	
4c	Е	Ouachita rock-pocketbook	AR	2	10/23/91	3/30/04	8/31/18	Chris Davidson	
3	Е	Ozark big-eared bat	AR	2	11/30/79	3/28/95	5/22/08	Pedro Ardapple	
8	T	Ozark cavefish	AR	4	11/1/84	11/14/89	9/19/11	Pedro Ardapple	
3	Е	Ozark hellbender	AR	3	11/7/11			Alyssa Bangs	
12	TCH	Rabbitsfoot	AR	4	9/17/13			Chris Davidson	Other
2	Е	Scaleshell mussel	AR	3	10/9/01	2/6/10	12/10/11	Chris Davidson	A-9; l
8	Е	Speckled pocketbook	AR	4	2/28/89	1/2/92	3/17/15	Chris Davidson	R4
2c	E(XN)	Winged mapleleaf mussel	AR	3	6/20/91	6/25/97	5/6/15	Chris Davidson	A-8; l
2c	ECH	Yellowcheek darter	AR	4	8/9/11	6/15/18	initiated	Pedro Ardapple	ļ
RECOVERY			LEAD	LEAD	LISTING	RECOVERY	5-YEAR REVIEW	RECOVERY LEAD FOR SPP	
PRIORITY (RPN)	STATUS	SPECIES	FO	REG	DATE	PLAN DATE		FORSE	
Asheville, NC						l	1		1
5c	ECH	Appalachian elktoe	ASNC	4	11/23/94	8/26/96	8/28/17	Jason Mays	1
8	T	Blue Ridge goldenrod (Solidago spithamaea)	ASNC	4	3/28/85	10/28/87	3/29/12	Rebekah Reid	
5c	Е	Bunched arrowhead (Sagittaria fasciculata)	ASNC	4	7/25/79	9/8/83	3/24/14	Rebekah Reid	
6с	Е	Carolina northern flying squirrel	ASNC	4	7/1/85	9/24/90	6/28/13	Sue Cameron	
5c	E(XN)	Cumberland monkeyface pearlymussel	ASNC	4	6/14/76	7/9/84	7/28/11	Andrew Henderson	1
14	T	Dwarf-flowered heartleaf (Hexastylis naniflora)	ASNC	4	4/14/89		5/2/11	Rebekah Reid	
5	E(XN)	Fine-rayed pigtoe	ASNC	4	6/14/76	9/19/84	10/23/13	Andrew Henderson	1
	()	7 13							
8	T	Heller's blazingstar (<i>Liatris helleri</i>)	ASNC	4	11/19/87	1/28/00	8/3/13	Rebekah Reid	
5	Е	James spinymussel	ASNC	5	7/22/88	9/4/90		Jason Mays	
8	TCH	Mountain golden heather (<i>Hudsonia montana</i>)	ASNC	4	10/20/80	9/14/83	1/14/13	Rebekah Reid	
5c	Е	Mountain sweet pitcher plant (Sarracenia rubra ssp jonesii)	ASNC	4	9/30/88	8/13/90	5/21/13	Rebekah Reid	
9	T	Noonday snail	ASNC	4	7/3/78	9/7/84	10/28/13	Jason Mays	
5	Е	Pink mucket pearlymussel	ASNC	4	6/14/76	1/24/85		Andrew Henderson	1
5	ЕСН	Purple bean	ASNC	5	1/10/97	5/24/04	11/1/13	Andrew Henderson	1
8	E	Roan Mountain bluet (<i>Hedyotis purpurea var montana</i>)	ASNC	4	4/5/90	5/13/96	9/1/17	Rebekah Reid	1
5	E	Rock gnome lichen (Gymnoderma lineare)	ASNC	4	1/18/95	9/30/97	3/28/13	Rebekah Reid	ł
6	ECH	Rough rabbitsfoot	ASNC	5	1/10/97	5/24/04	3/20/13	Andrew Henderson	1
2	E	Rusty patched bumblebee (historic to R4)	ASNC	3	3/21/17			Bryan Tompkins	1
2c	E	Schweinitz's sunflower (Helianthus schweinitzii)	ASNC	4	5/7/91	4/22/94	8/24/10	Rebekah Reid	t
5	E(XN)	Shiny pigtoe	ASNC	4	6/14/76	7/9/84	10/23/13	Andrew Henderson	1
14	T	Small whorled pogonia (Isotria medeoloides)	ASNC	5	9/9/82	11/13/92	10/16/08	Rebekah Reid	ł
5	E	Small-anthered bittercress (Cardamine micranthera)	ASNC	4	9/21/89	7/10/91	11/25/16	Rebekah Reid	1
11		Spotfin chub	ASNC	4	9/9/77	11/21/83	21120/10	Jason Mays	
	E	Spreading avens (Geum radiatum)	ASNC	4	4/5/90	4/28/93	3/8/13	Rebekah Reid	ł
2	_	Spruce-fir moss spider	ASNC	4	2/6/95	9/11/98	12/2/14	Sue Cameron	otha-
2	FCH.	DPIGOC-III IIIO33 3DIGOI			9/9/88	9/30/91	12/30/14	Rebekah Reid	other A-4;
5	ECH T		ASNC						- / \ T.
	ECH T E	Swamp pink (<i>Helonias bullata</i>) Tan riffleshell	ASNC ASNC	5 4	8/23/77	10/22/84	9/26/13	Andrew Henderson	1
5 7c	T	Swamp pink (Helonias bullata)					9/26/13		

RECOVERY			LEAD	LEAD	LISTING	RECOVERY	5-YEAR REVIEW	RECOVERY LEAD	
PRIORITY (RPN)	STATUS	SPECIES	FO	REG	DATE	PLAN DATE		non onn	
Athens, GA									
5	ECH	Amber darter	GA	4	8/5/85	6/20/86	10/21/14	Robin Goodloe	
5	Е	Altamaha spinymussel	GA	4	11/10/11			Anthony Sowers	
5	Е	Black-spored quillwort (Isoetes melanospora)	GA	4	2/5/88	7/7/93	9/30/08	Carrie Straight	
2c*	T	Cherokee darter	GA	4	12/20/94	11/17/00	10/21/14	Robin Goodloe	
5	ECH	Conasauga logperch	GA	4	8/5/85	6/20/86	12/16/11	Robin Goodloe	1
11c	T	Eastern indigo snake	GA	4	1/31/78	4/22/82	4/29/08	Michele Elmore	4
2	E	Etowah darter	GA	4	12/20/94	11/17/00	10/21/14	Robin Goodloe	4
8	E	Fringed campion (Silene polypetala)	GA	4	1/18/91	draft	3/15/15	Michele Elmore	4
8	TCH	GA rockcress (Arabis georgiania)	GA	4	9/12/14		2 /4 - /2 -	Michele Elmore	4
5	ECH	Gulf moccasinshell	GA	4	3/16/98	9/19/03	9/17/07	Sandy Abbott	4
13	T	Little amphianthus (Amphianthus pusillus)	GA	4	2/5/88	7/7/93	9/30/08	Carrie Straight	4
8	Е	Mat-forming quillwort (Isoetes tegetiformans)	GA	4	2/5/88	7/7/93	9/30/08	Carrie Straight	R4
8	Е	Persistent trillium (<i>Trillium persistens</i>)	GA	4	4/26/78	3/27/84	10/16/11	David Caldwell	A-8,
8C	E	Relict trillium (Trillium reliquum)	GA	4	4/4/88 3/16/98	1/31/91	1/19/15	David Caldwell	-
5	ECH	Shinyrayed pocketbook	GA	4	3/16/98	9/19/03	9/17/07	Sandy Abbott	4
RECOVERY			LEAD	LEAD	LISTING	RECOVERY	5-YEAR REVIEW	RECOVERY LEAD	
								FOR SPP	1
PRIORITY (RPN)	STATUS	SPECIES	FO	REG	DATE	PLAN DATE			1
Jacksonville,									
FL	Г.		7 - 707		5/10/60	0.100.10=	016/0-	l pu p	1
6c	E	Anastasia Island beach mouse	JAFL	4	5/12/89	9/23/93	9/6/07	Billy Brooks	4
12	T	Atlantic salt marsh snake	JAFL	4	11/29/77	12/15/93	3/24/08	Billy Brooks	4
8	E	Britton's beargrass (Nolina brittoniana)	JAFL	4	4/27/93	6/20/96	5/10/10	Todd Mecklenborg	4
8	E	Brooksville bellflower (Campanula robinsiae)	JAFL	4	7/27/89	6/20/94	5/10/10	Todd Mecklenborg	4
2c	E	Clasping warea (=wide-leaf) (Warea amplexifolia)	JAFL	4	4/29/87	2/17/93	8/18/17	Todd Mecklenborg	4
8	E	Cooley's water-willow (Justicia cooleyi)	JAFL	4	7/27/89	6/20/94	7/14/10	Todd Mecklenborg	4
14*	E	Etonia rosemary (Conradina etonia)	JAFL	4	7/12/93	9/27/94	6/9/07	Todd Mecklenborg	-
8	Т	Florida bonamia (Bonamia grandiflora)	JAFL	4	11/2/87	6/20/96	12/21/17	Todd Mecklenborg	4
8	E E	Florida golden aster (Chrysopsis floridana)	JAFL	4	5/16/86	8/29/88	5/14/09	Todd Mecklenborg	5
6 8c	T	Florida salt marsh vole	JAFL JAFL	4	1/14/91 6/30/87	9/30/97 5/9/90	6/5/08 9/28/07	Billy Brooks Todd Mecklenborg	-
1c	E,T	Florida scrub-jay Green sea turtle (North Atlantic DPS)	JAFL	4	5/6/16	10/29/91	9/28/07	Ann Marie	•
10	E, I	Green sea turue (North Atlantic DF3)	JAFL	4	5/0/10	10/29/91		Lauritsen	
1c	ECH	Hawksbill sea turtle - Atlantic	JAFL	4	6/2/70	12/15/93	5/28/13	Ann Marie	+
10	LCII	Trawksom sea turte - Atlantic	JAIL	1	0/2/10	12/13/73	3/26/13	Lauritsen	
2c	Е	Kemp's (Atlantic) ridley sea turtle	JAFL	2	12/2/70	9/22/11	7/24/15	Ann Marie	1
20	_	Tromp's (Framino) Trains son turns	V.11 2	_	12/2/70), <u>22</u> ,11	7,2 1,13	Lauritsen	
1	ECH	Leatherback sea turtle	JAFL	4	6/2/70	4/6/92	11/15/13	Ann Marie	1
					V. , , ,			Lauritsen	
7c	E.T	Loggerhead sea turtle (Northwest Atlantic Ocean DPS)	JAFL	4	9/22/11	12/31/08		Ann Marie	†
								Lauritsen	1
2c	Е	Longspurred mint (Dicerandra cornutissima)	JAFL	4	11/1/85	7/1/87	6/5/18	Todd Mecklenborg	5
8c	E,T	Olive ridley sea turtle	JAFL	4	7/28/78	1/12/98	6/1/14	Ann Marie	1
								Lauritsen	I
2	Е	Rugel's pawpaw (Deeringothamus rugelii)	JAFL	4	9/26/86	4/5/88	1/18/18	Todd Mecklenborg	5
15	T	Scrub buckwheat (Eriogonum longifolium var gnaphalifolium)	JAFL	4	4/27/93	6/20/96	2/27/18	Todd Mecklenborg	;
2c	Е	Scrub lupine (Lupinus aridorum)	JAFL	4	4/7/87	6/20/96	11/30/16	Todd Mecklenborg	;
2	Е	Scrub plum (Prunus geniculata)	JAFL	4	1/21/87	6/20/96	12/21/17	Todd Mecklenborg	5
9c	T	Southeastern beach mouse	JAFL	4	5/12/89	9/23/93	4/7/08	Billy Brooks	Other
5c	T	Squirrel Chimney Cave shrimp	JAFL	4	6/21/90	exempt	7/28/16	Billy Brooks	A-2
5c	TCH	West Indian (Florida) manatee	JAFL	4	4/5/17	10/30/01	1/8/16	Terri Calleson	R4
2c	ECH (XN)	Whooping crane	JAFL	2	3/11/67	3/30/07	2/13/12	Billy Brooks	1
	, ,								A-14
5c	T	Wood stork	JAFL	4	2/28/84; 6/30/14	1/27/97	9/21/07	Billy Brooks	1
									1
									1
RECOVERY			LEAD	LEAD	LISTING	RECOVERY	5-YEAR REVIEW	RECOVERY LEAD	1
								FOR SPP	

11	T	Blackside dace	KY	4	6/12/87	8/17/88	9/16/15	Mike Floyd	
5	ECH	Braun's rock cress (Arabis perstellata)	KY	4	1/3/95	7/22/97	8/31/18	Mike Floyd	
5	E(XN)	Clubshell	KY	5	1/22/93	9/21/94	9/11/09	Leroy Koch	1
5c	E(XN)	Cumberland bean pearlymussel	KY	4	6/14/76	8/22/84	6/21/10	Leroy Koch	
5	Е	Cumberland darter	KY	4	9/8/11	draft	11/5/18	Mike Floyd	
5	E(XN)	Fanshell	KY	4	6/21/90	7/9/91		Leroy Koch	
8	E	Gray bat	KY	3	4/28/76	7/8/82	9/30/09	Mike Armstrong	ŀ
8	ECH	Indiana bat	KY	3	3/11/67	draft	9/29/09	Mike Armstrong	
11	TCH	Kentucky arrow darter	KY	4	10/5/16	drait	2122102	Mike Floyd	
5	ECH	•	KY	4		10/7/88	9/20/16		
		Kentucky cave shrimp Kentucky gladecress (Leavenworthia exiqua laciniata)		4	10/12/83	10///88	8/29/16	Mike Floyd	ŀ
11	ТСН		KY		6/5/14	0/00/100	11/1/12	Mike Floyd	
4	Е	Littlewing pearlymussel	KY	4	11/14/88	9/22/89	11/1/13	Leroy Koch	l
5	T	Northern long-eared bat	KY	3	5/24/15			Mike Armstrong	
6	Е	Northern riffleshell mussel	KY	5	1/22/93	9/21/94	9/1/09	Leroy Koch	
5	E(XN)	Orangefoot pimpleback	KY	4	6/14/76	9/30/84	4/4/18	Leroy Koch	
5	Е	Palezone shiner	KY	4	4/27/93	7/7/97	5/30/14	Mike Floyd	Other
6	E(XN)	Purple cat's paw mussel	KY	3	7/10/90	3/10/92	6/29/15	Leroy Koch	A-7;P-1
5	Е	Relict darter	KY	4	12/27/93	draft	8/9/13	Mike Floyd	R4
5	E(XN)	Ring pink mussel	KY	4	9/29/89	3/25/91	8/18/11	Leroy Koch	A-12;P-3
5	E(XN)	Rough pigtoe	KY	4	6/14/76	8/6/84	9/1/14	Leroy Koch	Delisted
8	Е	Running buffalo clover (Trifolium stoloniferum)	KY	3	6/5/87	6/14/07	5/6/11	Mike Floyd	P-1
8	Е	Short's goldenrod (Solidago shortii)	KY	4	9/5/85	5/25/88	8/31/17	Mike Floyd	
9c	ECH	Virginia big-eared bat	KY	5	11/30/79	5/8/84	8/20/08	Mike Armstrong	ŀ
	Delisted	White-haired goldenrod (under post delisting monitoring)	KY	4	10/11/16	57.07.0	0.20.00	Mike Floyd	ŀ
	Densted		10.1		10/11/10			Wike I loyd	
RECOVERY			LEAD	LEAD	LISTING	RECOVERY	5-YEAR REVIEW	RECOVERY LEAD	
								FOR SPP	
PRIORITY (RPN)	STATUS	SPECIES	FO	REG	DATE	PLAN DATE			
Lafayette, LA									•
	Delisted	Brown pelican (under post delisting monitoring (PDM)	LA	1	11/17/09			Monica Sikes	
5	Е	Ivory-billed woodpecker	LA	4	3/11/67	4/16/10		Amy Trahan	Other
	Delisted	Louisiana black bear (under PDM)	LA	4	3/11/16			David Soileau	A-1
8	T	Louisiana pearlshell	LA	4	2/5/88	12/3/90	9/29/17	Monica Sikes	R4
8c	T	Louisiana pinesnake	LA		1/6/10			David Castellanos	ľ .
			LA	4	4/6/18			David Castellarios	A-3
2c	ECH (XN)	•	LA	2	3/11/67	3/30/07	2/13/12	Seth Bordelon	A-3
2c	ECH (XN)	•				3/30/07	2/13/12		A-3 Delisted - A=2
2c	ECH (XN)	•				3/30/07	2/13/12	Seth Bordelon	'
2c RECOVERY	ECH (XN)	•				3/30/07 RECOVERY	2/13/12 5-YEAR REVIEW	Seth Bordelon RECOVERY LEAD	'
RECOVERY		Whooping crane (non migratory flock in LA)	LA LEAD	2 LEAD	3/11/67 LISTING	RECOVERY		Seth Bordelon	'
RECOVERY PRIORITY (RPN)		•	LA	2	3/11/67			Seth Bordelon RECOVERY LEAD	'
RECOVERY PRIORITY (RPN) Jackson, MS	STATUS	Whooping crane (non migratory flock in LA) SPECIES	LA LEAD FO	2 LEAD REG	3/11/67 LISTING DATE	RECOVERY PLAN DATE	5-YEAR REVIEW	Seth Bordelon RECOVERY LEAD FOR SPP	'
RECOVERY PRIORITY (RPN) Jackson, MS 6	STATUS E	Whooping crane (non migratory flock in LA) SPECIES Alabama canebrake pitcher-plant (Surneenia rubra sap alabamenia)	LA LEAD FO MS	LEAD REG	3/11/67 LISTING DATE 3/10/89	RECOVERY PLAN DATE 10/8/92	5-YEAR REVIEW 7/23/18	Seth Bordelon RECOVERY LEAD FOR SPP Scott Wiggers	'
RECOVERY PRIORITY (RPN) Jackson, MS 6 1	STATUS E ECH	Whooping crane (non migratory flock in LA) SPECIES Alabama canebrake pitcher-plant (Surnecnia nahra up alabamensis) Alabama cavefish	LA LEAD FO MS MS	LEAD REG	3/11/67 LISTING DATE 3/10/89 9/9/77; 9/28/88	RECOVERY PLAN DATE 10/8/92 10/25/90	5-YEAR REVIEW 7/23/18 8/21/17	Seth Bordelon RECOVERY LEAD FOR SPP Scott Wiggers Daniel Drennen	'
RECOVERY PRIORITY (RPN) Jackson, MS 6 1 2	STATUS E ECH E	Whooping crane (non migratory flock in LA) SPECIES Alabama canebrake pitcher-plant (Suracenia rubra sup alabamensis) Alabama cavefish Alabama leather flower (Clematis socialis)	LA LEAD FO MS MS MS	LEAD REG	3/11/67 LISTING DATE 3/10/89 9/9/77; 9/28/88 9/26/86	RECOVERY PLAN DATE 10/8/92 10/25/90 12/27/89	5-YEAR REVIEW 7/23/18 8/21/17 8/1/17	Seth Bordelon RECOVERY LEAD FOR SPP Scott Wiggers Daniel Drennen Scott Wiggers	'
RECOVERY PRIORITY (RPN) Jackson, MS 6 1 2 5	STATUS E ECH E	Whooping crane (non migratory flock in LA) SPECIES Alabama canebrake pitcher-plant (Surnecnia rabra sup alabamenis) Alabama cavefish Alabama leather flower (Clematis socialis) Alabama red-bellied turtle	LA LEAD FO MS MS MS MS MS	2 LEAD REG 4 4 4 4	3/11/67 LISTING DATE 3/10/89 9/9/77; 9/28/88 9/26/86 6/16/87	RECOVERY PLAN DATE 10/8/92 10/25/90 12/27/89 1/8/90	5-YEAR REVIEW 7/23/18 8/21/17 8/1/17 7/12/15	Seth Bordelon RECOVERY LEAD FOR SPP Scott Wiggers Daniel Drennen Scott Wiggers Linda LaClaire	'
RECOVERY PRIORITY (RPN) Jackson, MS 6 1 2 5 8c	STATUS E ECH E T	Whooping crane (non migratory flock in LA) SPECIES Alabama canebrake pitcher-plant (Surnecuia rabra sup alabamensis) Alabama cavefish Alabama leather flower (Clematis socialis) Alabama red-bellied turtle Bayou darter	LA LEAD FO MS MS MS MS MS MS	2 LEAD REG 4 4 4 4 4	3/11/67 LISTING DATE 3/10/89 9/9/77; 9/28/88 9/26/86 6/16/87 9/25/75	RECOVERY PLAN DATE 10/8/92 10/25/90 12/27/89 1/8/90 7/10/90	5-YEAR REVIEW 7/23/18 8/21/17 8/1/17 7/12/15 5/9/12	Seth Bordelon RECOVERY LEAD FOR SPP Scott Wiggers Daniel Drennen Scott Wiggers Linda LaClaire Daniel Drennen	'
RECOVERY PRIORITY (RPN) Jackson, MS 6 1 2 5 8c 5c	STATUS E ECH E T T	Whooping crane (non migratory flock in LA) SPECIES Alabama canebrake pitcher-plant (Surnecuia rabra sup alabamenis) Alabama cavefish Alabama leather flower (Clematis socialis) Alabama red-bellied turtle Bayou darter Black clubshell (=Curtus' mussel)	LA LEAD FO MS MS MS MS MS	2 LEAD REG 4 4 4 4 4 4 4	3/11/67 LISTING DATE 3/10/89 9/9/77; 9/28/88 9/26/86 6/16/87 9/25/75 4/7/87	RECOVERY PLAN DATE 10/8/92 10/25/90 12/27/89 1/8/90	5-YEAR REVIEW 7/23/18 8/21/17 8/1/17 7/12/15	Seth Bordelon RECOVERY LEAD FOR SPP Scott Wiggers Daniel Drennen Scott Wiggers Linda LaClaire	'
RECOVERY PRIORITY (RPN) Jackson, MS 6 1 2 5 8c	STATUS E ECH E T	Whooping crane (non migratory flock in LA) SPECIES Alabama canebrake pitcher-plant (Surnecuia rabra sup alabamensis) Alabama cavefish Alabama leather flower (Clematis socialis) Alabama red-bellied turtle Bayou darter	LA LEAD FO MS MS MS MS MS MS	2 LEAD REG 4 4 4 4 4	3/11/67 LISTING DATE 3/10/89 9/9/77; 9/28/88 9/26/86 6/16/87 9/25/75	RECOVERY PLAN DATE 10/8/92 10/25/90 12/27/89 1/8/90 7/10/90	5-YEAR REVIEW 7/23/18 8/21/17 8/1/17 7/12/15 5/9/12	Seth Bordelon RECOVERY LEAD FOR SPP Scott Wiggers Daniel Drennen Scott Wiggers Linda LaClaire Daniel Drennen Paul Hartfield Matthew	'
RECOVERY PRIORITY (RPN) Jackson, MS 6 1 2 5 8e 5e 12	STATUS E ECH E T T	Whooping crane (non migratory flock in LA) SPECIES Alabama canebrake pitcher-plant (Suracenta nubra sup alabamenti) Alabama cavefish Alabama leather flower (Clematis socialis) Alabama red-bellied turtle Bayou darter Black clubshell (=Curtus' mussel) Black pinesnake	LA LEAD FO MS MS MS MS MS MS MS MS	2 LEAD REG 4 4 4 4 4 4 4 4	3/11/67 LISTING DATE 3/10/89 9/9/77; 9/28/88 9/26/86 6/16/87 9/25/75 4/7/87 11/5/15	RECOVERY PLAN DATE 10/8/92 10/25/90 12/27/89 1/8/90 7/10/90 11/14/89	5-YEAR REVIEW 7/23/18 8/21/17 8/1/17 7/12/15 5/9/12 9/8/15	Seth Bordelon RECOVERY LEAD FOR SPP Scott Wiggers Daniel Drennen Scott Wiggers Linda LaClaire Daniel Drennen Paul Hartfield	'
RECOVERY PRIORITY (RPN) Jackson, MS 6 1 2 5 8c 5c	STATUS E ECH E T T	Whooping crane (non migratory flock in LA) SPECIES Alabama canebrake pitcher-plant (Surnecuia rabra sup alabamenis) Alabama cavefish Alabama leather flower (Clematis socialis) Alabama red-bellied turtle Bayou darter Black clubshell (=Curtus' mussel)	LA LEAD FO MS MS MS MS MS MS MS MS	2 LEAD REG 4 4 4 4 4 4 4	3/11/67 LISTING DATE 3/10/89 9/9/77; 9/28/88 9/26/86 6/16/87 9/25/75 4/7/87	RECOVERY PLAN DATE 10/8/92 10/25/90 12/27/89 1/8/90 7/10/90	5-YEAR REVIEW 7/23/18 8/21/17 8/1/17 7/12/15 5/9/12	Seth Bordelon RECOVERY LEAD FOR SPP Scott Wiggers Daniel Drennen Scott Wiggers Linda LaClaire Daniel Drennen Paul Hartfield Matthew	'
RECOVERY PRIORITY (RPN) Jackson, MS 6 1 2 5 8e 5e 12	STATUS E ECH E E T T E TPCH	Whooping crane (non migratory flock in LA) SPECIES Alabama canebrake pitcher-plant (Suracenta nubra sup alabamenti) Alabama cavefish Alabama leather flower (Clematis socialis) Alabama red-bellied turtle Bayou darter Black clubshell (=Curtus' mussel) Black pinesnake	LA LEAD FO MS	2 LEAD REG 4 4 4 4 4 4 4 4	3/11/67 LISTING DATE 3/10/89 9/9/77; 9/28/88 9/26/86 6/16/87 9/25/75 4/7/87 11/5/15	RECOVERY PLAN DATE 10/8/92 10/25/90 12/27/89 1/8/90 7/10/90 11/14/89	5-YEAR REVIEW 7/23/18 8/21/17 8/1/17 7/12/15 5/9/12 9/8/15	Seth Bordelon RECOVERY LEAD FOR SPP Scott Wiggers Daniel Drennen Scott Wiggers Linda LaClaire Daniel Drennen Paul Hartfield Matthew Hinderliter	'
RECOVERY PRIORITY (RPN) Jackson, MS 6 11 2 5 8e 5e 12	STATUS E ECH E E T T T T T	Whooping crane (non migratory flock in LA) SPECIES Alabama canebrake pitcher-plant (Suracenia nubra sup alabamensis) Alabama cavefish Alabama leather flower (Clematis socialis) Alabama red-bellied turtle Bayou darter Black clubshell (=Curtus' mussel) Black pinesnake Blue shiner	LA LEAD FO MS	2 LEAD REG 4 4 4 4 4 4 4 4 4 4	3/11/67 LISTING DATE 3/10/89 9/9/77; 9/28/88 9/26/86 6/16/87 9/25/75 4/7/87 11/5/15 4/22/92	RECOVERY PLAN DATE 10/8/92 10/25/90 12/27/89 1/8/90 7/10/90 11/14/89 8/30/85	5-YEAR REVIEW 7/23/18 8/21/17 8/1/17 7/12/15 5/9/12 9/8/15	Seth Bordelon RECOVERY LEAD FOR SPP Scott Wiggers Daniel Drennen Scott Wiggers Linda LaClaire Daniel Drennen Paul Hartfield Matthew Hinderliter Daniel Drennen	'
RECOVERY PRIORITY (RPN) Jackson, MS 6 1 2 5 8c 5c 12	STATUS E ECH E E T T T T E	Whooping crane (non migratory flock in LA) SPECIES Alabama canebrake pitcher-plant (Suracenia nahra sap alabamensis) Alabama cavefish Alabama leather flower (Clematis socialis) Alabama red-bellied turtle Bayou darter Black clubshell (=Curtus' mussel) Black pinesnake Blue shiner Cahaba shiner	LA LEAD FO MS	2 LEAD REG 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	3/11/67 LISTING DATE 3/10/89 9/9/77; 9/28/88 9/26/86 6/16/87 9/25/75 4/7/87 11/5/15 4/22/92 10/25/90	RECOVERY PLAN DATE 10/8/92 10/25/90 12/27/89 1/8/90 7/10/90 11/14/89 8/30/85 4/23/92	5-YEAR REVIEW 7/23/18 8/21/17 8/1/17 7/12/15 5/9/12 9/8/15 10/14/14 6/29/16	Seth Bordelon RECOVERY LEAD FOR SPP Scott Wiggers Daniel Drennen Scott Wiggers Linda LaClaire Daniel Drennen Paul Hartfield Matthew Hinderliter Daniel Drennen Daniel Drennen	•
RECOVERY PRIORITY (RPN) Jackson, MS 6 1 2 5 8c 5c 12 8 8 8 5	E ECH E T T E TPCH T E E ECH	Whooping crane (non migratory flock in LA) SPECIES Alabama canebrake pitcher-plant (Surmeenia nubra sup alabamensis) Alabama cavefish Alabama leather flower (Clematis socialis) Alabama red-bellied turtle Bayou darter Black clubshell (=Curtus' mussel) Black pinesnake Blue shiner Cahaba shiner Dusky gopher frog	LA LEAD FO MS	2 LEAD REG 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	3/11/67 LISTING DATE 3/10/89 9/9/77; 9/28/88 9/26/86 6/16/87 9/25/75 4/7/87 11/5/15 4/22/92 10/25/90 12/4/01	RECOVERY PLAN DATE 10/8/92 10/25/90 12/27/89 1/8/90 7/10/90 11/14/89 8/30/85 4/23/92 7/23/15	5-YEAR REVIEW 7/23/18 8/21/17 8/1/17 7/12/15 5/9/12 9/8/15 10/14/14 6/29/16 9/9/15	Seth Bordelon RECOVERY LEAD FOR SPP Scott Wiggers Daniel Drennen Scott Wiggers Linda LaClaire Daniel Drennen Paul Hartfield Matthew Hinderliter Daniel Drennen Daniel Drennen Linda LaClaire	'
RECOVERY PRIORITY (RPN) Jackson, MS 6 1 2 5 8c 5c 12 8 8 8 5 8	STATUS E ECH E E T T E TPCH T E ECCH E	Whooping crane (non migratory flock in LA) SPECIES Alabama canebrake pitcher-plant (Surmeenia rubra sap alabamenia) Alabama cavefish Alabama leather flower (Clematis socialis) Alabama red-bellied turtle Bayou darter Black clubshell (=Curtus' mussel) Black pinesnake Blue shiner Cahaba shiner Dusky gopher frog Fat pocketbook	LA LEAD FO MS	2 LEAD REG 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	3/11/67 LISTING DATE 3/10/89 9/9/77; 9/28/88 9/26/86 6/16/87 9/25/75 4/7/87 11/5/15 4/22/92 10/25/90 12/4/01 6/14/76	RECOVERY PLAN DATE 10/8/92 10/25/90 12/27/89 1/8/90 7/10/90 11/14/89 8/30/85 4/23/92 7/23/15 11/14/89	5-YEAR REVIEW 7/23/18 8/21/17 8/1/17 7/12/15 5/9/12 9/8/15 10/14/14 6/29/16 9/9/15 3/30/12	Seth Bordelon RECOVERY LEAD FOR SPP Scott Wiggers Daniel Drennen Scott Wiggers Linda LaClaire Daniel Drennen Paul Hartfield Matthew Hinderliter Daniel Drennen Daniel Drennen Linda LaClaire Paul Hartfield	'
RECOVERY PRIORITY (RPN) Jackson, MS 6 1 2 5 8c 5c 12 8 8 8 8	E ECH E TT E ECH E ECH E ETT T E E ECH E E TT E E E E E E E E E E E E E E E E	Whooping crane (non migratory flock in LA) SPECIES Alabama canebrake pitcher-plant (Surmeenia rubra sup alabamenii) Alabama cavefish Alabama leather flower (Clematis socialis) Alabama red-bellied turtle Bayou darter Black clubshell (=Curtus' mussel) Black pinesnake Blue shiner Cahaba shiner Dusky gopher frog Fat pocketbook Flattened musk turtle	LA LEAD FO MS	2 LEAD REG 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	3/11/67 LISTING DATE 3/10/89 9/9/77; 9/28/88 9/26/86 6/16/87 9/25/75 4/7/87 11/5/15 4/22/92 10/25/90 12/4/01 6/14/76 6/11/87	RECOVERY PLAN DATE 10/8/92 10/25/90 12/27/89 1/8/90 7/10/90 11/14/89 8/30/85 4/23/92 7/23/15 11/14/89 2/26/90	5-YEAR REVIEW 7/23/18 8/21/17 8/1/17 7/12/15 5/9/12 9/8/15 10/14/14 6/29/16 9/9/15 3/30/12 7/17/14	Seth Bordelon RECOVERY LEAD FOR SPP Scott Wiggers Daniel Drennen Scott Wiggers Linda LaClaire Daniel Drennen Paul Hartfield Matthew Hinderliter Daniel Drennen Daniel Drennen Linda LaClaire Paul Hartfield Daniel Drennen	'
RECOVERY PRIORITY (RPN) 6 1 2 5 8c 5c 12 8 8 8 8 8	STATUS E ECH E T T E TPCH T E ECH E TT T	Whooping crane (non migratory flock in LA) SPECIES Alabama canebrake pitcher-plant (Surmeenia rubra sap alabamenis) Alabama cavefish Alabama leather flower (Clematis socialis) Alabama red-bellied turtle Bayou darter Black clubshell (=Curtus' mussel) Black pinesnake Blue shiner Cahaba shiner Dusky gopher frog Fat pocketbook Flattened musk turtle Goldline darter	LA LEAD FO MS	2 LEAD REG 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	3/11/67 LISTING DATE 3/10/89 9/9/77; 9/28/88 9/26/86 6/16/87 9/25/75 4/7/87 11/5/15 4/22/92 10/25/90 12/4/01 6/14/76 6/11/87 4/22/92	RECOVERY PLAN DATE 10/8/92 10/25/90 12/27/89 1/8/90 7/10/90 11/14/89 8/30/85 4/23/92 7/23/15 11/14/89 2/26/90 11/17/00	5-YEAR REVIEW 7/23/18 8/21/17 8/1/17 7/12/15 5/9/12 9/8/15 10/14/14 6/29/16 9/9/15 3/30/12 7/17/14 5/12/15	Seth Bordelon RECOVERY LEAD FOR SPP Scott Wiggers Daniel Drennen Scott Wiggers Linda LaClaire Daniel Drennen Paul Hartfield Matthew Hinderliter Daniel Drennen Daniel Drennen Linda LaClaire Paul Hartfield Daniel Drennen	'
RECOVERY PRIORITY (RPN) 6 1 2 5 8c 5c 12 8 8 8 9	STATUS E ECH E T T E TPCH T E ECH E T T T	Whooping crane (non migratory flock in LA) SPECIES Alabama canebrake pitcher-plant (Surmeenta rubra sap alabamenta) Alabama cavefish Alabama leather flower (Clematis socialis) Alabama red-bellied turtle Bayou darter Black clubshell (=Curtus' mussel) Black pinesnake Blue shiner Cahaba shiner Dusky gopher frog Fat pocketbook Flattened musk turtle Goldline darter Gopher tortoise	LA LEAD FO MS	2 LEAD REG 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	3/11/67 LISTING DATE 3/10/89 9/9/77; 9/28/88 9/26/86 6/16/87 9/25/75 4/7/87 11/5/15 4/22/92 10/25/90 12/4/01 6/14/76 6/11/87 4/22/92 7/7/87	RECOVERY PLAN DATE 10/8/92 10/25/90 12/27/89 1/8/90 7/10/90 11/14/89 8/30/85 4/23/92 7/23/15 11/14/89 2/26/90 11/17/00 12/26/90	5-YEAR REVIEW 7/23/18 8/21/17 8/1/17 7/12/15 5/9/12 9/8/15 10/14/14 6/29/16 9/9/15 3/30/12 7/17/14 5/12/15 7/27/11	Seth Bordelon RECOVERY LEAD FOR SPP Scott Wiggers Daniel Drennen Scott Wiggers Linda LaClaire Daniel Drennen Paul Hartfield Matthew Hinderliter Daniel Drennen Linda LaClaire Paul Hartfield Daniel Drennen Linda LaClaire Paul Hartfield Daniel Drennen Matthew Hinderliter	'
RECOVERY PRIORITY (RPN) 6 1 2 5 8c 5c 12 8 8 8 9	E ECH E TT E ECH E TT T T T E E E E TT T E E E E E T T E	Whooping crane (non migratory flock in LA) SPECIES Alabama canebrake pitcher-plant (Surucenia rubra up alabamenis) Alabama cavefish Alabama leather flower (Clematis socialis) Alabama red-bellied turtle Bayou darter Black clubshell (=Curtus' mussel) Black pinesnake Blue shiner Cahaba shiner Dusky gopher frog Fat pocketbook Flattened musk turtle Goldline darter Gopher tortoise Green pitcher plant (Sarracenia oreophila)	LA LEAD FO MS	2 LEAD REG 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	3/11/67 LISTING DATE 3/10/89 9/9/77; 9/28/88 9/26/86 6/16/87 9/25/75 4/7/87 11/5/15 4/22/92 10/25/90 12/4/01 6/14/76 6/11/87 4/22/92 7/7/87	RECOVERY PLAN DATE 10/8/92 10/25/90 12/27/89 1/8/90 7/10/90 11/14/89 8/30/85 4/23/92 7/23/15 11/14/89 2/26/90 11/17/00 12/26/90 12/12/94	5-YEAR REVIEW 7/23/18 8/21/17 8/1/17 7/12/15 5/9/12 9/8/15 10/14/14 6/29/16 9/9/15 3/30/12 7/17/14 5/12/15 7/27/11 4/1/14	Seth Bordelon RECOVERY LEAD FOR SPP Scott Wiggers Daniel Drennen Scott Wiggers Linda LaClaire Daniel Drennen Paul Hartfield Matthew Hinderliter Daniel Drennen Linda LaClaire Paul Hartfield Daniel Drennen Linda LaClaire Paul Hartfield Daniel Drennen Matthew Hinderliter Scott Wiggers	'
RECOVERY PRIORITY (RPN) 6 1 2 5 8c 5c 12 8 8 8 9 8 14	E E E T T E E E C T T T T T E E E E E E	Whooping crane (non migratory flock in LA) SPECIES Alabama canebrake pitche-plant (Suracenia rabra sap alabamensis) Alabama cavefish Alabama leather flower (Clematis socialis) Alabama red-bellied turtle Bayou darter Black clubshell (=Curtus' mussel) Black pinesnake Blue shiner Cahaba shiner Dusky gopher frog Fat pocketbook Flattened musk turtle Goldline darter Gopher tortoise Green pitcher plant (Sarracenia oreophila) Least tern (Interior population)	LA LEAD FO MS	2 LEAD REG 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	3/11/67 LISTING DATE 3/10/89 9/9/77; 9/28/88 9/26/86 6/16/87 9/25/75 4/7/87 11/5/15 4/22/92 10/25/90 12/4/01 6/14/76 6/11/87 4/22/92 7/7/87 9/21/79 5/28/85	RECOVERY PLAN DATE 10/8/92 10/25/90 12/27/89 1/8/90 7/10/90 11/14/89 8/30/85 4/23/92 7/23/15 11/14/89 2/26/90 11/17/00 12/26/90 12/12/94 9/19/90	5-YEAR REVIEW 7/23/18 8/21/17 8/1/17 7/12/15 5/9/12 9/8/15 10/14/14 6/29/16 9/9/15 3/30/12 7/17/14 5/12/15 7/27/11 4/1/14 10/24/13	Seth Bordelon RECOVERY LEAD FOR SPP Scott Wiggers Daniel Drennen Scott Wiggers Linda LaClaire Daniel Drennen Paul Hartfield Matthew Hinderliter Daniel Drennen Linda LaClaire Paul Hartfield Daniel Drennen Linda LaClaire Paul Hartfield Daniel Drennen Scott Wiggers Paul Hartfield	'
RECOVERY PRIORITY (RPN) 6 1 2 5 8c 5c 12 8 8 8 9 14 14*	E E E E E E E E E E E E E E E E E E E	Whooping crane (non migratory flock in LA) SPECIES Alabama canebrake pitche-plant (Suracenia rabra spr alabamenis) Alabama cavefish Alabama leather flower (Clematis socialis) Alabama red-bellied turtle Bayou darter Black clubshell (=Curtus' mussel) Black pinesnake Blue shiner Cahaba shiner Dusky gopher frog Fat pocketbook Flattened musk turtle Goldline darter Gopher tortoise Green pitcher plant (Sarracenia oreophila) Least tern (Interior population) Louisiana quillwort (Isoetes louisianensis)	LA LEAD FO MS	2 LEAD REG 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	3/11/67 LISTING DATE 3/10/89 9/9/77; 9/28/88 9/26/86 6/16/87 9/25/75 4/7/87 11/5/15 4/22/92 10/25/90 12/4/01 6/14/76 6/11/87 4/22/92 7/7/87 9/21/79 5/28/85 10/28/92	RECOVERY PLAN DATE 10/8/92 10/25/90 12/27/89 1/8/90 7/10/90 11/14/89 8/30/85 4/23/92 7/23/15 11/14/89 2/26/90 11/17/00 12/26/90 12/12/94 9/19/90 9/30/96	5-YEAR REVIEW 7/23/18 8/21/17 8/1/17 7/12/15 5/9/12 9/8/15 10/14/14 6/29/16 9/9/15 3/30/12 7/17/14 5/12/15 7/27/11 4/1/14 10/24/13 6/20/12	Seth Bordelon RECOVERY LEAD FOR SPP Scott Wiggers Daniel Drennen Scott Wiggers Linda LaClaire Daniel Drennen Paul Hartfield Matthew Hinderliter Daniel Drennen Linda LaClaire Paul Hartfield Daniel Drennen Linda LaClaire Paul Hartfield Daniel Drennen Scott Wiggers Paul Hartfield Scott Wiggers	'
RECOVERY PRIORITY (RPN) 6 1 2 5 8c 5c 12 8 8 8 9 14 14* 5	E E E E E E E E E E E E E E E E E E E	Whooping crane (non migratory flock in LA) SPECIES Alabama canchrake pitcher-plant (Surracenia rubra up alabamensis) Alabama cavefish Alabama leather flower (Clematis socialis) Alabama red-bellied turtle Bayou darter Black clubshell (=Curtus' mussel) Black pinesnake Blue shiner Cahaba shiner Dusky gopher frog Fat pocketbook Flattened musk turtle Goldline darter Gopher tortoise Green pitcher plant (Sarracenia oreophila) Least tern (Interior population) Louisiana quillwort (Isoetes louisianensis) Marshall's mussel (=Flat pigtoe)	LA LEAD FO MS	2 LEAD REG 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	3/11/67 LISTING DATE 3/10/89 9/9/77; 9/28/88 9/26/86 6/16/87 9/25/75 4/7/87 11/5/15 4/22/92 10/25/90 12/4/01 6/14/76 6/11/87 4/22/92 7/7/87 9/21/79 5/28/85 10/28/92 4/7/87	RECOVERY PLAN DATE 10/8/92 10/25/90 12/27/89 1/8/90 7/10/90 11/14/89 8/30/85 4/23/92 7/23/15 11/14/89 2/26/90 11/17/00 12/26/90 12/12/94 9/19/90 9/30/96 11/14/89	5-YEAR REVIEW 7/23/18 8/21/17 8/1/17 7/12/15 5/9/12 9/8/15 10/14/14 6/29/16 9/9/15 3/30/12 7/17/14 5/12/15 7/27/11 4/1/14 10/24/13	Seth Bordelon RECOVERY LEAD FOR SPP Scott Wiggers Daniel Drennen Scott Wiggers Linda LaClaire Daniel Drennen Paul Hartfield Matthew Hinderliter Daniel Drennen Linda LaClaire Paul Hartfield Daniel Drennen Linda LaClaire Paul Hartfield Daniel Drennen Scott Wiggers Paul Hartfield Scott Wiggers Paul Hartfield Scott Wiggers Paul Hartfield	'
RECOVERY PRIORITY (RPN) 6 1 2 5 8c 5c 12 8 8 8 9 14 14* 5 6C	STATUS E ECH E E T T E ECH E T T E ECH E E T T T E E E E E E E E E E E E E E	Whooping crane (non migratory flock in LA) SPECIES Alabama canebrake pitcher-plant (Surucenta rubra up alabamenti) Alabama cavefish Alabama leather flower (Clematis socialis) Alabama red-bellied turtle Bayou darter Black clubshell (=Curtus' mussel) Black pinesnake Blue shiner Cahaba shiner Dusky gopher frog Fat pocketbook Flattened musk turtle Goldline darter Gopher tortoise Green pitcher plant (Sarracenta oreophila) Least tern (Interior population) Louisiana quillwort (Isoetes louisianensis) Marshall's mussel (=Flat pigtoe) Mississippi sandhill crane	LA LEAD FO MS	2 LEAD REG 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	3/11/67 LISTING DATE 3/10/89 9/9/77; 9/28/88 9/26/86 6/16/87 9/25/75 4/7/87 11/5/15 4/22/92 10/25/90 12/4/01 6/14/76 6/11/87 4/22/92 7/7/87 9/21/79 5/28/85 10/28/92 4/7/87 6/4/73	RECOVERY PLAN DATE 10/8/92 10/25/90 12/27/89 1/8/90 7/10/90 11/14/89 8/30/85 4/23/92 7/23/15 11/14/89 2/26/90 11/17/00 12/26/90 12/12/94 9/19/90 9/30/96 11/14/89 9/6/91	5-YEAR REVIEW 7/23/18 8/21/17 8/1/17 7/12/15 5/9/12 9/8/15 10/14/14 6/29/16 9/9/15 3/30/12 7/17/14 5/12/15 7/27/11 4/1/14 10/24/13 6/20/12 9/8/15	Seth Bordelon RECOVERY LEAD FOR SPP Scott Wiggers Daniel Drennen Scott Wiggers Linda LaClaire Daniel Drennen Paul Hartfield Matthew Hinderliter Daniel Drennen Linda LaClaire Paul Hartfield Daniel Drennen Linda LaClaire Paul Hartfield Daniel Drennen Matthew Hinderliter Scott Wiggers Paul Hartfield Scott Wiggers Paul Hartfield Linda LaClaire	'
RECOVERY PRIORITY (RPN) 6 1 2 5 8c 5c 12 8 8 8 9 14 14* 5	E E E E E E E E E E E E E E E E E E E	Whooping crane (non migratory flock in LA) SPECIES Alabama canchrake pitcher-plant (Surracenia rubra up alabamensis) Alabama cavefish Alabama leather flower (Clematis socialis) Alabama red-bellied turtle Bayou darter Black clubshell (=Curtus' mussel) Black pinesnake Blue shiner Cahaba shiner Dusky gopher frog Fat pocketbook Flattened musk turtle Goldline darter Gopher tortoise Green pitcher plant (Sarracenia oreophila) Least tern (Interior population) Louisiana quillwort (Isoetes louisianensis) Marshall's mussel (=Flat pigtoe)	LA LEAD FO MS	2 LEAD REG 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	3/11/67 LISTING DATE 3/10/89 9/9/77; 9/28/88 9/26/86 6/16/87 9/25/75 4/7/87 11/5/15 4/22/92 10/25/90 12/4/01 6/14/76 6/11/87 4/22/92 7/7/87 9/21/79 5/28/85 10/28/92 4/7/87	RECOVERY PLAN DATE 10/8/92 10/25/90 12/27/89 1/8/90 7/10/90 11/14/89 8/30/85 4/23/92 7/23/15 11/14/89 2/26/90 11/17/00 12/26/90 12/12/94 9/19/90 9/30/96 11/14/89	5-YEAR REVIEW 7/23/18 8/21/17 8/1/17 7/12/15 5/9/12 9/8/15 10/14/14 6/29/16 9/9/15 3/30/12 7/17/14 5/12/15 7/27/11 4/1/14 10/24/13 6/20/12	Seth Bordelon RECOVERY LEAD FOR SPP Scott Wiggers Daniel Drennen Scott Wiggers Linda LaClaire Daniel Drennen Paul Hartfield Matthew Hinderliter Daniel Drennen Linda LaClaire Paul Hartfield Daniel Drennen Linda LaClaire Paul Hartfield Daniel Drennen Scott Wiggers Paul Hartfield Scott Wiggers Paul Hartfield Scott Wiggers Paul Hartfield	'
RECOVERY PRIORITY (RPN) 6 1 2 5 8c 5c 12 8 8 8 9 14 14* 5 6C 3	STATUS E ECH E E T T E ECH E T T E ECH E E T T T E E E E E E E E E E E E E E	Whooping crane (non migratory flock in LA) SPECIES Alabama canebrake pitcher-plant (Surucenta rubra up alabamenti) Alabama cavefish Alabama leather flower (Clematis socialis) Alabama red-bellied turtle Bayou darter Black clubshell (=Curtus' mussel) Black pinesnake Blue shiner Cahaba shiner Dusky gopher frog Fat pocketbook Flattened musk turtle Goldline darter Gopher tortoise Green pitcher plant (Sarracenta oreophila) Least tern (Interior population) Louisiana quillwort (Isoetes louisianensis) Marshall's mussel (=Flat pigtoe) Mississippi sandhill crane Mitchell's satyr butterfly	LA LEAD FO MS	2 LEAD REG 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	3/11/67 LISTING DATE 3/10/89 9/9/77; 9/28/88 9/26/86 6/16/87 9/25/75 4/7/87 11/5/15 4/22/92 10/25/90 12/4/01 6/14/76 6/11/87 4/22/92 7/7/87 9/21/79 5/28/85 10/28/92 4/7/87 6/4/73 6/25/91; 5/20/92	RECOVERY PLAN DATE 10/8/92 10/25/90 12/27/89 1/8/90 7/10/90 11/14/89 8/30/85 4/23/92 7/23/15 11/14/89 2/26/90 11/17/00 12/26/90 12/12/94 9/19/90 9/30/96 11/14/89 9/6/91 4/2/98	5-YEAR REVIEW 7/23/18 8/21/17 8/1/17 7/12/15 5/9/12 9/8/15 10/14/14 6/29/16 9/9/15 3/30/12 7/17/14 5/12/15 7/27/11 4/1/14 10/24/13 6/20/12 9/8/15 8/28/14	Seth Bordelon RECOVERY LEAD FOR SPP Scott Wiggers Daniel Drennen Scott Wiggers Linda LaClaire Daniel Drennen Paul Hartfield Matthew Hinderliter Daniel Drennen Linda LaClaire Paul Hartfield Daniel Drennen Matthew Hinderliter Scott Wiggers Paul Hartfield Scott Wiggers Paul Hartfield Scott Wiggers Paul Hartfield Linda LaClaire Paul Hartfield	'
RECOVERY PRIORITY (RPN) 6 1 2 5 8c 5c 12 8 8 8 9 14 14* 5 6C	STATUS E ECH E E T T E ECH E T T E ECH E E T T T E E E E E E E E E E E E E E	Whooping crane (non migratory flock in LA) SPECIES Alabama canebrake pitcher-plant (Surucenta rubra up alabamenti) Alabama cavefish Alabama leather flower (Clematis socialis) Alabama red-bellied turtle Bayou darter Black clubshell (=Curtus' mussel) Black pinesnake Blue shiner Cahaba shiner Dusky gopher frog Fat pocketbook Flattened musk turtle Goldline darter Gopher tortoise Green pitcher plant (Sarracenta oreophila) Least tern (Interior population) Louisiana quillwort (Isoetes louisianensis) Marshall's mussel (=Flat pigtoe) Mississippi sandhill crane	LA LEAD FO MS	2 LEAD REG 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	3/11/67 LISTING DATE 3/10/89 9/9/77; 9/28/88 9/26/86 6/16/87 9/25/75 4/7/87 11/5/15 4/22/92 10/25/90 12/4/01 6/14/76 6/11/87 4/22/92 7/7/87 9/21/79 5/28/85 10/28/92 4/7/87 6/4/73	RECOVERY PLAN DATE 10/8/92 10/25/90 12/27/89 1/8/90 7/10/90 11/14/89 8/30/85 4/23/92 7/23/15 11/14/89 2/26/90 11/17/00 12/26/90 12/12/94 9/19/90 9/30/96 11/14/89 9/6/91	5-YEAR REVIEW 7/23/18 8/21/17 8/1/17 7/12/15 5/9/12 9/8/15 10/14/14 6/29/16 9/9/15 3/30/12 7/17/14 5/12/15 7/27/11 4/1/14 10/24/13 6/20/12 9/8/15	Seth Bordelon RECOVERY LEAD FOR SPP Scott Wiggers Daniel Drennen Scott Wiggers Linda LaClaire Daniel Drennen Paul Hartfield Matthew Hinderliter Daniel Drennen Linda LaClaire Paul Hartfield Daniel Drennen Linda LaClaire Paul Hartfield Daniel Drennen Matthew Hinderliter Scott Wiggers Paul Hartfield Scott Wiggers Paul Hartfield Linda LaClaire	'

8	E	Morefield's leather flower (Clematis morefieldii)	MS	4	5/20/92	5/3/94	10/15/18	Scott Wiggers
2C	Е	Pallid Sturgeon	MS	6	9/6/90	1/24/14	12/4/14	Paul Hartfield
8	T	Pearl darter	MS	4	9/20/17			Daniel Drennen
8c	Е	Pondberry (Lindera melissifolia)	MS	4	7/31/86	9/23/93	3/3/14	Scott Wiggers
8	T	Price's potato-bean (Apios priceana)	MS	4	1/5/90	2/10/93	9/2/16	Scott Wiggers
8	T	Pygmy sculpin	MS	4	9/28/89	8/6/91	7/28/08	Daniel Drennen
8c	Е	Red-cockaded woodpecker	MS	4	10/13/70	1/27/03	10/5/06	Will McDearman
14	T	Ringed (sawback) map turtle	MS	4	12/23/86	4/8/88	8/17/10	Linda LaClaire
	ECH	Rush darter	MS	4	8/9/11			Daniel Drennen
8	TCH	Slackwater darter	MS	4	9/9/77	3/8/84	6/24/08	Daniel Drennen
2C	Е	Southern combshell (=Penitent mussel)	MS	4	4/7/87	11/14/89	9/8/15	Paul Hartfield
5	E	Stirrup shell	MS	4	4/7/87	11/14/89	9/8/15	Paul Hartfield
2	ECH	Vermilion darter	MS	4	11/28/01	6/20/07	8/30/11	
2	ECH	Watercress darter						
			MS	4	10/13/70	3/29/93	8/28/09	Daniel Drennen
2	ECH	Whorled sunflower (Helianthus verticillatus)	MS	4	8/1/14	2/15/02	4/05/10	Scott Wiggers
14	T	Yellow-blotched (sawback) map turtle	MS	4	1/14/91	3/15/93	4/25/18	Linda LaClaire
RECOVERY			LEAD	LEAD	LISTING	RECOVERY	5-YEAR REVIEW	RECOVERY LEAD FOR SPP
PRIORITY (RPN)	STATUS	SPECIES	FO	REG	DATE	PLAN DATE		TONST
Panama City,		•			1	•	•	
FL								
8	Е	Apalachicola rosemary (Conradina glabra)	PCFL	4	7/12/93	9/27/94	9/28/17	Vivian Negron Ortiz
12	TCH	Atlantic sturgeon (Gulf subspecies)	PCFL	4	9/30/91	9/22/95	9/22/09	Adam Kaeser
	Е	Chapman's rhododendron (Rhododendron chapmanii)	PCFL	4	4/24/79	9/8/83	4/13/10	Vivian Negron
								Ortiz
11	TCH	Chipola slabshell	PCFL	4	3/16/98	9/19/03	9/17/07	Channing St. Aubin
5	Е	Choctaw bean	PCFL	4	10/10/12			Sandy Pursiful
	ECH	Choctawhatchee beach mouse	PCFL	4	6/6/85	8/12/87	9/4/07	Kristi Yanchis
5	ECH	Fat threeridge	PCFL	4	3/16/98	9/19/03	9/17/07	Maureen Walsh
2e*	T	Florida skullcap (Scutellaria floridana)	PCFL	4	5/8/92	6/22/94	6/11/09	Vivian Negron
								Ortiz
5c	Е	Florida torreya (Torreya taxifolia)	PCFL	4	1/23/84	9/9/86	7/30/10	Vivian Negron Ortiz
5	TCH	Frosted flatwoods salamander	PCFL	4	4/1/99		2/10/09	Harold Mitchell
11	TCH	Fuzzy pigtoe	PCFL	4	10/10/12			Channing St.
		710						Aubin
2	Е	Gentian pinkroot (Spigelia gentianoides)	PCFL	4	11/26/90	1/24/12	9/21/18	Vivian Negron Ortiz
8c	T	Godfrey's butterwort (Pinguicula ionantha)	PCFL	4	7/12/93	6/22/94	4/9/18	Vivian Negron
								Ortiz
8c	Е	Harper's beauty (Harperocallis flava)	PCFL	4	10/2/79	9/14/83	2/23/16	Vivian Negron Ortiz
11	T	Miccosukee gooseberry (Ribes echinellum)		4	7/18/85	exempt	6/17/15	Vivian Negron
		(((PCFL			р.		Ortiz
11	TCH	Narrow pigtoe	PCFL	4	10/10/12			Channing St.
								Aubin
5	ECH	Ochlockonee moccasinshell	PCFL	4	3/16/98	9/19/03	9/17/07	Sandy Pursiful
8	T	Okaloosa darter	PCFL	4	4/1/11	10/26/98	7/2/07	Bill Tate
	ECH	Oval pigtoe	PCFL	4	3/16/98	9/19/03	9/17/07	Gayle Martin
	PT	Panama City crayfish	PCFL	4				Patty Kelly
3c	ECH	Perdido Key beach mouse	PCFL	4	6/6/85	8/12/87	12/5/14	Kristi Yanchis
2c	TCH	Piping plovers (wintering)	PCFL/CHSC	3,5	12/11/85	5/2/1996,	9/29/09	Patty Kelly
						9/8/2003, 3/16/2016		(Melissa Chaplin)
11	TCH	Purple bankclimber	PCFL	4	3/16/98	9/19/03	9/17/07	Gayle Martin
12c	T	Red knot	PCFL/CHSC	5	12/11/14	,,,,,,,,	2.207	Patty Kelly
120		Detimilated flaters 1 1	POET	4	2/10/00		0/5/17	(Melissa Chaplin)
	ECH	Reticulated flatwoods salamander	PCFL	4	2/10/09		8/5/15	Harold Mitchell
5	ECH		p.orr					
5	ECH	Round ebonyshell	PCFL	4	10/10/12			Sandy Pursiful
5 5 5			PCFL PCFL PCFL	4 4	10/10/12 10/10/12 10/10/12			Sandy Pursiful Sandy Pursiful Channing St.

3c	ECH	St. Andrew beach mouse	PCFL	4	12/18/98	10/25/10	4/6/09	Kristi Yanchis	I
11	T	Suwannee moccasinshell	PCFL	4	11/7/16			Sandy Pursiful	other
11	TCH	Tapered pigtoe	PCFL	4	10/10/12			Channing St. Aubin	A-2
2c*	Т	Telephus spurge (Euphorbia telephioides)	PCFL	4	5/8/92	6/22/94	1/22/15	Vivian Negron Ortiz	R4
8c	Т	White birds-in-a-nest (Macbridea alba)	PCFL	4	5/8/92	6/22/94	3/10/09	Vivian Negron Ortiz	A-20;P-10
RECOVERY			LEAD	LEAD	LISTING	RECOVERY	5-YEAR REVIEW	RECOVERY LEAD	
PRIORITY (RPN)	STATUS	SPECIES	FO	REG	DATE	PLAN DATE		FOR SPP	
Boqueron, PR		!	<u> </u>	<u>. </u>		<u> </u>		<u></u>	Î
									_
5	Е	Adiantum vivesii (ncn)	PR	4	6/9/93	1/17/95	8/22/18	Maritza Vargas	
5	Е	Agave eggersiana (ncn)	PR	4	9/9/14			Jaime Yrigoyen	
11c*	Е	Aristida chaseae (ncn)	PR	4	4/27/93	7/31/95	12/2/10	Carlos Pacheco	
5	Е	Auerodendron pauciflorum	PR	4	3/2/94	9/29/97	7/13/17	Jose G. Martinez	
11*	E E	Bariaco (Trichilia triacantha)	PR PR	4	2/5/88 4/19/85	8/20/91 4/28/87	8/10/17 8/29/13	Omar Monsegur	
3	PT	Beautiful goetzea (matabuey) (Goetzea elegans) Black capped petrel	PR	4	4/19/83	4/20/07	8/29/13	Maritza Vargas Thomas White	
11*	E	Calyptranthes thomasiana (Thomas lidflower)	PR	4	2/8/94	9/30/97	9/22/13	Jaime Yrigoyen	•
11*	E	Capá rosa (Callicarpa ampla)	PR	4	4/22/92	7/31/95	9/8/15	Jose Cruz Burgos	
5	ECH	Catesbaea melanocarpa	PR	4	3/7/99	8/18/05	4/26/11	Jaime Yrigoyen	•
5	E	Chamaecrista glandulosa var. mirabilis	PR	4	4/5/90	5/12/94	1/7/15	Jose G. Martinez	•
8	E	Chupacallos (<i>Pleodendron macranthum</i>)	PR	4	11/25/94	9/11/98	6/29/14	Marielle Peschiera	
8	T	Cobana negra (Stahlia monosperma)	PR	4	4/5/90	11/1/96	10/29/14	Jose G. Martinez	
5	E	Cook's holly	PR	4	6/16/87	1/31/91	8/6/13	Marielle Peschiera	
5	E	Cordia bellonis	PR	4	1/10/97	10/1/99	6/13/17	Omar Monsegur	
5c	ECH	Coqui llanero	PR	4	10/4/12	10/1/99	0/13/17	Jan Zegarra	
5	E	Cranichis ricartii (ncn)	PR	4	11/29/91	7/15/96	6/21/16	Jose G. Martinez	
5	ECH	Culebra Island giant anole	PR	4	7/21/77	1/28/83	1/14/14	Felix Lopez	
5	Е	Daphnopsis hellerana (ncn)	PR	4	6/23/88	8/7/92	7/19/13	Jose G. Martinez	•
5	E	Elaphoglossum serpens (ncn)	PR	4	6/9/93	1/17/95	7/27/17	Marielle Peschiera	•
	Е		PR					Marielle Peschiera	
5 14*	E E	Elfin tree fern Elfin woods warbler	PR Pr	4	6/16/87 7/22/16	1/31/91	9/1/13	Marielle Peschiera Ivan Llerandi- roman	<u> </u>
5		Elfin tree fern		4	6/16/87			Ivan Llerandi-	
5 14*	Е	Elfin tree fern Elfin woods warbler	Pr	4	6/16/87 7/22/16	1/31/91	9/1/13	Ivan Llerandi- roman	
5 14* 2c	E E	Elfin tree fern Elfin woods warbler Erubia (Solanum drymophilum)	Pr PR	4 4	6/16/87 7/22/16 8/26/88	7/9/92	9/1/13	Ivan Llerandi- roman Maritza Vargas	
5 14* 2c 8	E E E	Elfin tree fern Elfin woods warbler Erubia (Solanum drymophilum) Eugenia woodburyana	Pr PR PR	4 4 4	6/16/87 7/22/16 8/26/88 9/9/94	7/9/92 10/6/98	9/1/13 10/30/15 5/9/17	Ivan Llerandi- roman Maritza Vargas Omar Monsegur	
5 14* 2c 8 11	E E E T	Elfin tree fern Elfin woods warbler Erubia (Solanum drymophilum) Eugenia woodburyana Gesneria pauciflora (ncn)	Pr PR PR PR	4 4 4 4	6/16/87 7/22/16 8/26/88 9/9/94 3/7/95	7/9/92 10/6/98 10/6/98	9/1/13 10/30/15 5/9/17 4/24/13	Ivan Llerandi- roman Maritza Vargas Omar Monsegur Omar Monsegur	
5 14* 2e 8 11 5c	E E E T TCH	Elfin tree fern Elfin woods warbler Erubia (Solanum drymophilum) Eugenia woodburyana Gesneria pauciflora (ncn) Golden coqui	Pr PR PR PR PR	4 4 4 4 4	6/16/87 7/22/16 8/26/88 9/9/94 3/7/95 11/11/77	7/9/92 10/6/98 10/6/98	9/1/13 10/30/15 5/9/17 4/24/13	Ivan Llerandi- roman Maritza Vargas Omar Monsegur Omar Monsegur Felix Lopez	
5 14* 2c 8 11 5c 5c	E E E T TCH ECH	Elfin tree fern Elfin woods warbler Erubia (Solanum drymophilum) Eugenia woodburyana Gesneria pauciflora (ncn) Golden coqui Gonocalyx concolor (ncn)	Pr PR PR PR PR PR PR	4 4 4 4 4 4	6/16/87 7/22/16 8/26/88 9/9/94 3/7/95 11/11/77 10/9/14	7/9/92 10/6/98 10/6/98 4/19/84	9/1/13 10/30/15 5/9/17 4/24/13 9/30/13	Ivan Llerandi- roman Maritza Vargas Omar Monsegur Omar Monsegur Felix Lopez Carlos Pacheco	
5 14* 2e 8 11 5c 5c	E E T TCH ECH TCH	Elfin tree fern Elfin woods warbler Erubia (Solanum drymophilum) Eugenia woodburyana Gesneria pauciflora (ncn) Golden coqui Gonocalyx concolor (ncn) Guajón	Pr PR PR PR PR PR PR PR	4 4 4 4 4 4	6/16/87 7/22/16 8/26/88 9/9/94 3/7/95 11/11/77 10/9/14 6/11/97	7/9/92 10/6/98 10/6/98 4/19/84	9/1/13 10/30/15 5/9/17 4/24/13 9/30/13 8/1/17	Ivan Llerandi- roman Maritza Vargas Omar Monsegur Omar Monsegur Felix Lopez Carlos Pacheco Jan Zegarra	
5 14* 2e 8 11 5e 5e 11 14	E E T TCH ECH TCH TCH T	Elfin tree fern Elfin woods warbler Erubia (Solanum drymophilum) Eugenia woodburyana Gesneria pauciflora (ncn) Golden coqui Gonocalyx concolor (ncn) Guajón Higo chumbo (Harrisia portoricensis)	Pr PR PR PR PR PR PR PR PR	4 4 4 4 4 4 4	6/16/87 7/22/16 8/26/88 9/9/94 3/7/95 11/11/77 10/9/14 6/11/97 8/8/90	7/9/92 10/6/98 10/6/98 4/19/84 9/24/04 11/12/96	9/1/13 10/30/15 5/9/17 4/24/13 9/30/13 8/1/17 2/6/18	Ivan Llerandi- roman Maritza Vargas Omar Monsegur Omar Monsegur Felix Lopez Carlos Pacheco Jan Zegarra Marielle Peschiera	
5 14* 2e 8 11 5c 5c 11 14 5	E E T TCH ECH TCH TCH ECH TCH T	Elfin tree fern Elfin woods warbler Erubia (Solanum drymophilum) Eugenia woodburyana Gesneria pauciflora (ncn) Golden coqui Gonocalyx concolor (ncn) Guajón Higo chumbo (Harrisia portoricensis) Higdero de siema (Crescentia portoricensis)	Pr	4 4 4 4 4 4 4 4 4	6/16/87 7/22/16 8/26/88 9/9/94 3/7/95 11/11/77 10/9/14 6/11/97 8/8/90 12/4/87	7/9/92 10/6/98 10/6/98 4/19/84 9/24/04 11/12/96 9/23/91	9/1/13 10/30/15 5/9/17 4/24/13 9/30/13 8/1/17 2/6/18 6/16/17	Ivan Llerandi- roman Maritza Vargas Omar Monsegur Omar Monsegur Felix Lopez Carlos Pacheco Jan Zegarra Marielle Peschiera Omar Monsegur	
5 14* 2e 8 11 5e 5e 11 14 5	E E E T TCH ECH TCH T E	Elfin tree fern Elfin woods warbler Erubia (Solanum drymophilum) Eugenia woodburyana Gesneria pauciflora (ncn) Golden coqui Gonocalyx concolor (ncn) Guajón Higo chumbo (Harrisia portoricensis) Higûero de siema (Crescentia portoricensis) Ilex sintenisii (ncn)	Pr	4 4 4 4 4 4 4 4 4 4	8/26/88 9/9/94 3/7/95 11/11/77 10/9/14 6/11/97 8/8/90 12/4/87 4/22/92	7/9/92 10/6/98 10/6/98 4/19/84 9/24/04 11/12/96 9/23/91 7/31/95	9/1/13 10/30/15 5/9/17 4/24/13 9/30/13 8/1/17 2/6/18 6/16/17 9/8/15	Ivan Llerandi- roman Maritza Vargas Omar Monsegur Omar Monsegur Felix Lopez Carlos Pacheco Jan Zegarra Marielle Peschiera Omar Monsegur Jose Cruz Burgos	
5 14* 2c 8 11 5c 5c 11 14 5 11* 5 5 6	E E T TCH ECH TCH TCH E E	Elfin tree fern Elfin woods warbler Erubia (Solanum drymophilum) Eugenia woodburyana Gesneria pauciflora (ncn) Golden coqui Gonocalyx concolor (ncn) Guajón Higo chumbo (Harrisia portoricensis) Higüero de siera (Crescentia portoricensis) Ilex sintenisii (ncn) Lepanthes eltorensis (ncn) Leptocereus grantianus (ncn) Lyonia truncata var. proctorii (ncn)	Pr	4 4 4 4 4 4 4 4 4 4 4 4 4	8/26/88 9/9/94 3/7/95 11/11/77 10/9/14 6/11/97 8/8/90 12/4/87 4/22/92 11/29/91 2/26/93 4/27/93	7/9/92 10/6/98 10/6/98 4/19/84 9/24/04 11/12/96 9/23/91 7/31/95 7/15/96 7/26/95 7/31/95	9/1/13 10/30/15 5/9/17 4/24/13 9/30/13 8/1/17 2/6/18 6/16/17 9/8/15 8/24/15 1/19/15 12/2/10	Ivan Llerandiroman Maritza Vargas Omar Monsegur Omar Monsegur Felix Lopez Carlos Pacheco Jan Zegarra Marielle Peschiera Omar Monsegur Jose Cruz Burgos Jose G. Martinez	
5 14* 2c 8 11 5c 5c 11 14 5 11* 5 5 5 6 5 5	E E E T TCH ECH TCH T CH E E E E E E	Elfin tree fern Elfin woods warbler Erubia (Solanum drymophilum) Eugenia woodburyana Gesneria pauciflora (ncn) Golden coqui Gonocalyx concolor (ncn) Guajón Higo chumbo (Harrisia portoricensis) Higüero de siera (Crescentia portoricensis) Ilex sintenisii (ncn) Lepanthes eltorensis (ncn) Leptocereus grantianus (ncn) Lyonia truncata var. proctorii (ncn) Mitracarpus maxwelliae (ncn)	Pr	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8/26/88 9/9/94 3/7/95 11/11/77 10/9/14 6/11/97 8/8/90 12/4/87 4/22/92 11/29/91 2/26/93 4/27/93 9/9/94	7/9/92 10/6/98 10/6/98 4/19/84 9/24/04 11/12/96 9/23/91 7/31/95 7/15/96 7/26/95 7/31/95 10/6/98	9/1/13 10/30/15 5/9/17 4/24/13 9/30/13 8/1/17 2/6/18 6/16/17 9/8/15 8/24/15 1/19/15 12/2/10 4/4/18	Ivan Llerandiroman Maritza Vargas Omar Monsegur Omar Monsegur Felix Lopez Carlos Pacheco Jan Zegarra Marielle Peschiera Omar Monsegur Jose Cruz Burgos Jose G. Martinez Carlos Pacheco Carlos Pacheco Carlos Pacheco	
5 14* 2c 8 11 5c 5c 11 14 5 11* 5 5 5 17	E E E T TCH ECH TCH E E E E E E E E E E E	Elfin tree fern Elfin woods warbler Erubia (Solanum drymophilum) Eugenia woodburyana Gesneria pauciflora (ncn) Golden coqui Gonocalyx concolor (ncn) Guajón Higo chumbo (Harrisia portoricensis) Higdero de sierra (Crescentia portoricensis) Ilex sintenisii (ncn) Lepanthes eltorensis (ncn) Leptocereus grantianus (ncn) Lyonia truncata var. proctorii (ncn) Mitracarpus maxwelliae (ncn)	Pr	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8/26/88 9/9/94 3/7/95 11/11/77 10/9/14 6/11/97 8/8/90 12/4/87 4/22/92 11/29/91 2/26/93 4/27/93 9/9/94	7/9/92 10/6/98 10/6/98 4/19/84 9/24/04 11/12/96 9/23/91 7/31/95 7/15/96 7/26/95 7/31/95 10/6/98	9/1/13 10/30/15 5/9/17 4/24/13 9/30/13 8/1/17 2/6/18 6/16/17 9/8/15 8/24/15 1/19/15 12/2/10 4/4/18	Ivan Llerandiroman Maritza Vargas Omar Monsegur Omar Monsegur Felix Lopez Carlos Pacheco Jan Zegarra Marielle Peschiera Omar Monsegur Jose Cruz Burgos Jose G. Martinez Carlos Pacheco Carlos Pacheco Carlos Pacheco Carlos Pacheco	
5 14* 2c 8 11 5e 5e 11 14 5 11* 5 11* 7 9	E E E T TCH ECH TCH E E E E E E E E E E E E T E E E E E E	Elfin tree fern Elfin woods warbler Erubia (Solanum drymophilum) Eugenia woodburyana Gesneria pauciflora (ncn) Golden coqui Gonocalyx concolor (ncn) Guajón Higo chumbo (Harrisia portoricensis) Higdero de siera (Crescentia portoricensis) Ilex sintenisii (ncn) Lepanthes eltorensis (ncn) Leptocereus grantianus (ncn) Lyonia truncata var. proctorii (ncn) Mitracarpus maxwelliae (ncn) Mitracarpus polycladus (ncn) Mona boa	Pr	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8/26/88 9/9/94 3/7/95 11/11/77 10/9/14 6/11/97 8/8/90 12/4/87 4/22/92 11/29/91 2/26/93 4/27/93 9/9/94 9/9/94 2/3/78	7/9/92 10/6/98 10/6/98 10/6/98 4/19/84 9/24/04 11/12/96 9/23/91 7/31/95 7/15/96 7/26/95 7/31/95 10/6/98 10/6/98	9/1/13 10/30/15 5/9/17 4/24/13 9/30/13 8/1/17 2/6/18 6/16/17 9/8/15 8/24/15 1/19/15 12/2/10 4/4/18 4/4/18	Ivan Llerandiroman Maritza Vargas Omar Monsegur Omar Monsegur Felix Lopez Carlos Pacheco Jan Zegarra Marielle Peschiera Omar Monsegur Jose Cruz Burgos Jose G. Martinez Carlos Pacheco Carlos Pacheco Carlos Pacheco Carlos Pacheco Felix Lopez	
5 14* 2c 8 11 5e 5e 11 14 5 11* 5 5 11* 7 9 8	E E E T TCH ECH TCH E E E E E E E E E E T T T T T T T T T	Elfin tree fern Elfin woods warbler Erubia (Solanum drymophilum) Eugenia woodburyana Gesneria pauciflora (ncn) Golden coqui Gonocalyx concolor (ncn) Guajón Higo chumbo (Harrisia portoricensis) Higdero de siera (Crescentia portoricensis) Ilex sintenisii (ncn) Lepanthes eltorensis (ncn) Leptocereus grantianus (ncn) Lyonia truncata var. proctorii (ncn) Mitracarpus maxwelliae (ncn) Mitracarpus polycladus (ncn) Mona boa Mona ground iguana	Pr	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8/26/88 9/9/94 3/7/95 11/11/77 10/9/14 6/11/97 8/8/90 12/4/87 4/22/92 11/29/91 2/26/93 4/27/93 9/9/94 9/9/94 2/3/78 2/3/78	7/9/92 10/6/98 10/6/98 10/6/98 4/19/84 9/24/04 11/12/96 9/23/91 7/31/95 7/15/96 7/26/95 7/31/95 10/6/98 10/6/98 4/19/84	9/1/13 10/30/15 5/9/17 4/24/13 9/30/13 8/1/17 2/6/18 6/16/17 9/8/15 8/24/15 1/19/15 12/2/10 4/4/18 4/4/18 11/6/14 3/4/15	Ivan Llerandiroman Maritza Vargas Omar Monsegur Omar Monsegur Felix Lopez Carlos Pacheco Jan Zegarra Marielle Peschiera Omar Monsegur Jose Cruz Burgos Jose G. Martinez Carlos Pacheco Carlos Pacheco Carlos Pacheco Carlos Pacheco Felix Lopez Jan Zegarra	
5 14* 2c 8 11 5e 5e 11 14 5 11* 5 5 11* 7 9 8 5 5 17	E E E T TCH ECH TCH E E E E E E E E E T T T T T E E E E E	Elfin tree fern Elfin woods warbler Erubia (Solanum drymophilum) Eugenia woodburyana Gesneria pauciflora (ncn) Golden coqui Gonocalyx concolor (ncn) Guajón Higo chumbo (Harrisia portoricensis) Higdero de siera (Crescentia portoricensis) Ilex sintenisii (ncn) Lepanthes eltorensis (ncn) Leptocereus grantianus (ncn) Lyonia truncata var. proctorii (ncn) Mitracarpus maxwelliae (ncn) Mitracarpus polycladus (ncn) Mona boa Mona ground iguana Monito gecko	Pr	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8/26/88 9/9/94 3/7/95 11/11/77 10/9/14 6/11/97 8/8/90 12/4/87 4/22/92 11/29/91 2/26/93 4/27/93 9/9/94 2/3/78 2/3/78 10/15/82	7/9/92 10/6/98 10/6/98 10/6/98 4/19/84 9/24/04 11/12/96 9/23/91 7/31/95 7/15/96 7/26/95 7/31/95 10/6/98 10/6/98 4/19/84 4/19/84 3/27/86	9/1/13 10/30/15 5/9/17 4/24/13 9/30/13 8/1/17 2/6/18 6/16/17 9/8/15 8/24/15 1/19/15 12/2/10 4/4/18 4/4/18 11/6/14 3/4/15 8/8/16	Ivan Llerandiroman Maritza Vargas Omar Monsegur Omar Monsegur Felix Lopez Carlos Pacheco Jan Zegarra Marielle Peschiera Omar Monsegur Jose Cruz Burgos Jose G. Martinez Carlos Pacheco Carlos Pacheco Carlos Pacheco Carlos Pacheco Felix Lopez Jan Zegarra Jan Zegarra	
5 14* 2c 8 11 5e 5e 11 14 5 11* 5 11* 5 10 17 9 8 5 8	E E E T TCH ECH TCH E E E E E E T T T T T T T T T T T T T	Elfin tree fern Elfin woods warbler Erubia (Solanum drymophilum) Eugenia woodburyana Gesneria pauciflora (ncn) Golden coqui Gonocalyx concolor (ncn) Guajón Higo chumbo (Harrisia portoricensis) Higdero de siera (Crescentia portoricensis) Ilex sintenisii (ncn) Lepanthes eltorensis (ncn) Leptocereus grantianus (ncn) Lyonia truncata var. proctorii (ncn) Mitracarpus maxwelliae (ncn) Mitracarpus polycladus (ncn) Mona boa Mona ground iguana Monito gecko Myrcia paganii (ncn)	Pr	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8/26/88 9/9/94 3/7/95 11/11/77 10/9/14 6/11/97 8/8/90 12/4/87 4/22/92 11/29/91 2/26/93 4/27/93 9/9/94 2/3/78 2/3/78 10/15/82 2/18/94	7/9/92 10/6/98 10/6/98 10/6/98 4/19/84 9/24/04 11/12/96 9/23/91 7/31/95 7/15/96 7/26/95 7/31/95 10/6/98 10/6/98 4/19/84 4/19/84 3/27/86	9/1/13 10/30/15 5/9/17 4/24/13 9/30/13 8/1/17 2/6/18 6/16/17 9/8/15 8/24/15 1/19/15 12/2/10 4/4/18 4/4/18 11/6/14 3/4/15 8/8/16 6/16/16	Ivan Llerandiroman Maritza Vargas Omar Monsegur Omar Monsegur Felix Lopez Carlos Pacheco Jan Zegarra Marielle Peschiera Omar Monsegur Jose Cruz Burgos Jose G. Martinez Carlos Pacheco Carlos Pacheco Carlos Pacheco Carlos Pacheco Felix Lopez Jan Zegarra Jan Zegarra Jose G. Martinez	
5 14* 2c 8 11 5e 5e 11 14 5 11* 5 11* 5 17 9 8 5 8 5	E E E T TCH ECH TCH E E E E E E E T T T T E E E E E E E E	Elfin tree fern Elfin woods warbler Erubia (Solanum drymophilum) Eugenia woodburyana Gesneria pauciflora (ncn) Golden coqui Gonocalyx concolor (ncn) Guajón Higo chumbo (Harrisia portoricensis) Higüero de siera (Crescentia portoricensis) Ilex sintenisii (ncn) Lepanthes eltorensis (ncn) Leptocereus grantianus (ncn) Lyonia truncata var. proctorii (ncn) Mitracarpus maxwelliae (ncn) Mitracarpus polycladus (ncn) Mona boa Mona ground iguana Monito gecko Myrcia paganii (ncn) Negal (West Indian walnut) (Juglans jamaicensis)	Pr	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	6/16/87 7/22/16 8/26/88 9/9/94 3/7/95 11/11/77 10/9/14 6/11/97 8/8/90 12/4/87 4/22/92 11/29/91 2/26/93 4/27/93 9/9/94 2/3/78 2/3/78 10/15/82 2/18/94 1/13/97	7/9/92 10/6/98 10/6/98 10/6/98 4/19/84 9/24/04 11/12/96 9/23/91 7/31/95 7/15/96 7/26/95 7/31/95 10/6/98 10/6/98 4/19/84 4/19/84 3/27/86 9/29/97 12/9/99	9/1/13 10/30/15 5/9/17 4/24/13 9/30/13 8/1/17 2/6/18 6/16/17 9/8/15 8/24/15 1/19/15 12/2/10 4/4/18 4/4/18 11/6/14 3/4/15 8/8/16 6/16/16 3/28/13	Ivan Llerandiroman Maritza Vargas Omar Monsegur Omar Monsegur Felix Lopez Carlos Pacheco Jan Zegarra Marielle Peschiera Omar Monsegur Jose Cruz Burgos Jose G. Martinez Carlos Pacheco Carlos Pacheco Carlos Pacheco Carlos Pacheco Felix Lopez Jan Zegarra Jan Zegarra Jose G. Martinez Marielle Peschiera	
5 14* 2c 8 11 5e 5e 11 14 5 11* 5 11* 5 17 9 8 5 8 5 8	E E E T TCH ECH TCH E E E E E E T TCH E E E E E E E E T T T T E E E E E E E	Elfin tree fern Elfin woods warbler Erubia (Solanum drymophilum) Eugenia woodburyana Gesneria pauciflora (ncn) Golden coqui Gonocalyx concolor (ncn) Guajón Higo chumbo (Harrisia portoricensis) Higdero de siera (Crescentia portoricensis) Ilex sintenisii (ncn) Lepanthes eltorensis (ncn) Leptocereus grantianus (ncn) Lyonia truncata var. proctorii (ncn) Mitracarpus maxwelliae (ncn) Mitracarpus maxwelliae (ncn) Mona boa Mona ground iguana Monito gecko Myrcia paganii (ncn) Nogal (West Indian walnut) (Inglans jamaicensis) Palma de manaca (Calyptronoma rivalis)	Pr	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	6/16/87 7/22/16 8/26/88 9/9/94 3/7/95 11/11/77 10/9/14 6/11/97 8/8/90 12/4/87 4/22/92 11/29/91 2/26/93 4/27/93 9/9/94 2/3/78 2/3/78 10/15/82 2/18/94 1/13/97 2/6/90	7/9/92 10/6/98 10/6/98 10/6/98 4/19/84 9/24/04 11/12/96 9/23/91 7/31/95 7/15/96 7/26/95 7/31/95 10/6/98 10/6/98 4/19/84 4/19/84 3/27/86 9/29/97 12/9/99 6/25/92	9/1/13 10/30/15 5/9/17 4/24/13 9/30/13 8/1/17 2/6/18 6/16/17 9/8/15 8/24/15 1/19/15 12/2/10 4/4/18 4/4/18 11/6/14 3/4/15 8/8/16 6/16/16 3/28/13 5/24/16	Ivan Llerandiroman Maritza Vargas Omar Monsegur Omar Monsegur Felix Lopez Carlos Pacheco Jan Zegarra Marielle Peschiera Omar Monsegur Jose Cruz Burgos Jose G. Martinez Carlos Pacheco Carlos Pacheco Carlos Pacheco Carlos Pacheco Felix Lopez Jan Zegarra Jan Zegarra Jose G. Martinez Marielle Peschiera Marielle Peschiera Marielle Peschiera Maritza Vargas	
5 14* 2c 8 11 5c 5c 6 51 17 9 8 5 8 11*	E E E T TCH ECH TCH E E E E E E E E E E E E TCH TCH ECH TCH TCH E E TCH TCH TCH TCH TCH E E E	Elfin tree fern Elfin woods warbler Erubia (Solanum drymophilum) Eugenia woodburyana Gesneria pauciflora (ncn) Golden coqui Gonocalyx concolor (ncn) Guajón Higo chumbo (Harrisia portoricensis) Higūero de siera (Crescentia portoricensis) Ilex sintenisii (ncn) Lepanthes eltorensis (ncn) Leptocereus grantianus (ncn) Lyonia truncata var. proctorii (ncn) Mitracarpus maxwelliae (ncn) Mitracarpus maxwelliae (ncn) Mona boa Mona ground iguana Monito gecko Myrcia paganii (ncn) Nogal (West Indian walnut) (Inglans jamalcensis) Palma de manaca (Calyptronoma rivalis) Palo colorado (Ternstroemia luquillensis)	Pr	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	6/16/87 7/22/16 8/26/88 9/9/94 3/7/95 11/11/77 10/9/14 6/11/97 8/8/90 12/4/87 4/22/92 11/29/91 2/26/93 4/27/93 9/9/94 2/3/78 2/3/78 10/15/82 2/18/94 1/13/97 2/6/90 4/22/92	7/9/92 10/6/98 10/6/98 10/6/98 4/19/84 9/24/04 11/12/96 9/23/91 7/31/95 7/15/96 7/26/95 7/31/95 10/6/98 4/19/84 4/19/84 4/19/84 3/27/86 9/29/97 12/9/99 6/25/92 7/31/95	9/1/13 10/30/15 5/9/17 4/24/13 9/30/13 8/1/17 2/6/18 6/16/17 9/8/15 8/24/15 1/19/15 12/2/10 4/4/18 4/4/18 11/6/14 3/4/15 8/8/16 6/16/16 3/28/13 5/24/16 9/8/15	Ivan Llerandiroman Maritza Vargas Omar Monsegur Omar Monsegur Felix Lopez Carlos Pacheco Jan Zegarra Marielle Peschiera Omar Monsegur Jose Cruz Burgos Jose G. Martinez Carlos Pacheco Carlos Pacheco Carlos Pacheco Carlos Pacheco Felix Lopez Jan Zegarra Jan Zegarra Jose G. Martinez Marielle Peschiera Marielle Peschiera Marielle Peschiera Maritza Vargas Jose Cruz Burgos	
5 14* 2c 8 11 5c 5c 6 51 17 9 8 5 8 11* 5 8 5 8 11* 5	E E E T TCH ECH TCH E E E E E E E E E E TCH TCH TCH E E E TCH	Elfin tree fern Elfin woods warbler Erubia (Solanum drymophilum) Eugenia woodburyana Gesneria pauciflora (ncn) Golden coqui Gonocalyx concolor (ncn) Guajón Higo chumbo (Harrisia portoricensis) Higūero de siera (Crescentia portoricensis) Ilex sintenisii (ncn) Lepanthes eltorensis (ncn) Leptocereus grantianus (ncn) Lyonia truncata var. proctorii (ncn) Mitracarpus maxwelliae (ncn) Mitracarpus polycladus (ncn) Mona boa Mona ground iguana Monito gecko Myrcia paganii (ncn) Nogal (West Indian walnut) (Inglans jamalcensis) Palma de manaca (Calyptronoma rivalis) Palo colorado (Ternstroemia luquillensis)	Pr	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	6/16/87 7/22/16 8/26/88 9/9/94 3/7/95 11/11/77 10/9/14 6/11/97 8/8/90 12/4/87 4/22/92 11/29/91 2/26/93 4/27/93 9/9/94 2/3/78 2/3/78 10/15/82 2/18/94 1/13/97 2/6/90 4/22/92	7/9/92 10/6/98 10/6/98 10/6/98 4/19/84 9/24/04 11/12/96 9/23/91 7/31/95 7/15/96 7/26/95 7/31/95 10/6/98 4/19/84 4/19/84 4/19/84 3/27/86 9/29/97 12/9/99 6/25/92 7/31/95	9/1/13 10/30/15 5/9/17 4/24/13 9/30/13 8/1/17 2/6/18 6/16/17 9/8/15 8/24/15 1/19/15 12/2/10 4/4/18 4/4/18 11/6/14 3/4/15 8/8/16 6/16/16 3/28/13 5/24/16 9/8/15	Ivan Llerandiroman Maritza Vargas Omar Monsegur Omar Monsegur Felix Lopez Carlos Pacheco Jan Zegarra Marielle Peschiera Omar Monsegur Jose Cruz Burgos Jose G. Martinez Carlos Pacheco Carlos Pacheco Carlos Pacheco Carlos Pacheco Felix Lopez Jan Zegarra Jan Zegarra Jan Zegarra Jose G. Martinez Marielle Peschiera Marielle Peschiera Marielle Peschiera Maritza Vargas Jose Cruz Burgos Jose Cruz Burgos	
5 14* 2c 8 11 5c 5c 6 51 17 9 8 5 8 11* 5 8 5 5 8 11* 5 5 5 8 5 5 8 5 6 6 5 7 7 9 8 5 6 5 7 7 9 8 5 6 5 7 8 5 8 6 6 5 7 8 6 6 6 7 8 7 8 7 8 8 7 8 8 7 8 8 8 8	E E E T TCH ECH TCH E E E E E E E E E TCH TCH TCH E E E E E TCH TCH TCH TCH TCH TCH E E E E E E E E E TCH TCH TCH E E E E E E TCH TCH E E E E E E E E E E E E E E E E E E E	Elfin tree fern Elfin woods warbler Erubia (Solanum drymophilum) Eugenia woodburyana Gesneria pauciflora (ncn) Golden coqui Gonocalyx concolor (ncn) Guajón Higo chumbo (Harrisia portoricensis) Higūero de siera (Crescentia portoricensis) Ilex sintenisii (ncn) Lepanthes eltorensis (ncn) Leptocereus grantianus (ncn) Lyonia truncata var. proctorii (ncn) Mitracarpus maxwelliae (ncn) Mitracarpus polycladus (ncn) Mona boa Mona ground iguana Monito gecko Myrcia paganii (ncn) Nogal (West Indian walnut) (Inglans jamalcensis) Palma de manaca (Calyptronoma rivalis) Palo colorado (Ternstroemia luquillensis) Palo de nigua (Cornutia obovata)	Pr	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	6/16/87 7/22/16 8/26/88 9/9/94 3/7/95 11/11/77 10/9/14 6/11/97 8/8/90 12/4/87 4/22/92 11/29/91 2/26/93 4/27/93 9/9/94 2/3/78 2/3/78 10/15/82 2/18/94 1/13/97 2/6/90 4/22/92 4/7/88	1/31/91 7/9/92 10/6/98 10/6/98 4/19/84 9/24/04 11/12/96 9/23/91 7/31/95 7/15/96 7/26/95 7/31/95 10/6/98 4/19/84 4/19/84 4/19/84 3/27/86 9/29/97 12/9/99 6/25/92 7/31/95 8/7/92	9/1/13 10/30/15 5/9/17 4/24/13 9/30/13 8/1/17 2/6/18 6/16/17 9/8/15 8/24/15 1/19/15 12/2/10 4/4/18 4/4/18 11/6/14 3/4/15 8/8/16 6/16/16 3/28/13 5/24/16 9/8/15 9/8/15 7/15/14	Ivan Llerandiroman Maritza Vargas Omar Monsegur Omar Monsegur Felix Lopez Carlos Pacheco Jan Zegarra Marielle Peschiera Omar Monsegur Jose Cruz Burgos Jose G. Martinez Carlos Pacheco Carlos Pacheco Carlos Pacheco Carlos Pacheco Carlos Pacheco Felix Lopez Jan Zegarra Jan Zegarra Jose G. Martinez Marielle Peschiera Marielle Peschiera Maritza Vargas Jose Cruz Burgos Marielle Peschiera	
5 14* 2c 8 11 5c 5c 5c 11 14 5 11* 5 5 6 5 17 9 8 5 8 11* 5 5 8 11* 5 5 5 5 5 5 5 5	E E E T TCH ECH TCH E E E E E E E T TCH TCH E E E E E E E T T T T T E E E E E E E	Elfin tree fern Elfin woods warbler Erubia (Solanum drymophilum) Eugenia woodburyana Gesneria pauciflora (ncn) Golden coqui Gonocalyx concolor (ncn) Guajón Higo chumbo (Harrisia portoricensis) Higūero de siera (Crescentia portoricensis) Ilex sintenisii (ncn) Lepanthes eltorensis (ncn) Leptocereus grantianus (ncn) Lyonia truncata var. proctorii (ncn) Mitracarpus maxwelliae (ncn) Mitracarpus polycladus (ncn) Mona boa Mona ground iguana Monito gecko Myrcia paganii (ncn) Nogal (West Indian walnut) (Inglans jamalcensis) Palma de manaca (Calyptronoma rivalis) Palo colorado (Ternstroemia luquillensis) Palo de jazmín (Styrax portoricensis) Palo de Ramón (Banara vanderbiltii)	Pr	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	6/16/87 7/22/16 8/26/88 9/9/94 3/7/95 11/11/77 10/9/14 6/11/97 8/8/90 12/4/87 4/22/92 11/29/91 2/26/93 4/27/93 9/9/94 2/3/78 2/3/78 10/15/82 2/18/94 1/13/97 2/6/90 4/22/92 4/7/88 1/14/87	7/9/92 10/6/98 10/6/98 10/6/98 4/19/84 9/24/04 11/12/96 9/23/91 7/31/95 7/15/96 7/26/95 7/31/95 10/6/98 4/19/84 4/19/84 4/19/84 3/27/86 9/29/97 12/9/99 6/25/92 7/31/95 7/31/95 8/7/92 3/15/91	9/1/13 10/30/15 5/9/17 4/24/13 9/30/13 8/1/17 2/6/18 6/16/17 9/8/15 8/24/15 1/19/15 12/2/10 4/4/18 4/4/18 11/6/14 3/4/15 8/8/16 6/16/16 3/28/13 5/24/16 9/8/15 9/8/15 7/15/14	Ivan Llerandiroman Maritza Vargas Omar Monsegur Omar Monsegur Felix Lopez Carlos Pacheco Jan Zegarra Marielle Peschiera Omar Monsegur Jose Cruz Burgos Jose G. Martinez Carlos Pacheco Carlos Pacheco Carlos Pacheco Carlos Pacheco Carlos Pacheco Felix Lopez Jan Zegarra Jan Zegarra Jose G. Martinez Marielle Peschiera Marielle Peschiera Maritza Vargas Jose Cruz Burgos Jose Cruz Burgos Marielle Peschiera Carlos Pacheco	
5 14* 2c 8 11 5c 5c 5c 11 14 5 11* 5 5 6 5 17 9 8 5 8 11* 5 8 5 8 11* 5 8 8 11*	E E E T TCH ECH TCH E E E E E E E E TCH TCH TCH E E E E E E TCH TCH TCH ECH E E E E E E E E E E E E E E E E E	Elfin tree fern Elfin woods warbler Erubia (Solanum drymophilum) Eugenia woodburyana Gesneria pauciflora (ncn) Golden coqui Gonocalyx concolor (ncn) Guajón Higo chumbo (Harrisia portoricensis) Higūero de siera (Crescentia portoricensis) Ilex sintenisii (ncn) Lepanthes eltorensis (ncn) Leptocereus grantianus (ncn) Lyonia truncata var. proctorii (ncn) Mitracarpus maxwelliae (ncn) Mitracarpus polycladus (ncn) Mona boa Mona ground iguana Monito gecko Myrcia paganii (ncn) Nogal (West Indian walnut) (Juglans jamalcensis) Palma de manaca (Calyptronoma rivalis) Palo colorado (Ternstroemia luquillensis) Palo de jazmín (Styrax portoricensis) Palo de Ramón (Banara vanderbiltii) Palo de rosa (Ottoschulzia rhodoxylon)	Pr	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	6/16/87 7/22/16 8/26/88 9/9/94 3/7/95 11/11/77 10/9/14 6/11/97 8/8/90 12/4/87 4/22/92 11/29/91 2/26/93 4/27/93 9/9/94 2/3/78 2/3/78 10/15/82 2/18/94 1/13/97 2/6/90 4/22/92 4/7/88 1/14/87 4/10/90	1/31/91 7/9/92 10/6/98 10/6/98 4/19/84 9/24/04 11/12/96 9/23/91 7/31/95 7/15/96 7/26/95 7/31/95 10/6/98 4/19/84 4/19/84 4/19/84 3/27/86 9/29/97 12/9/99 6/25/92 7/31/95 7/31/95 8/7/92 3/15/91 9/20/94	9/1/13 10/30/15 5/9/17 4/24/13 9/30/13 8/1/17 2/6/18 6/16/17 9/8/15 8/24/15 1/19/15 12/2/10 4/4/18 4/4/18 11/6/14 3/4/15 8/8/16 6/16/16 3/28/13 5/24/16 9/8/15 9/8/15 7/15/14 1/10/14	Ivan Llerandiroman Maritza Vargas Omar Monsegur Omar Monsegur Felix Lopez Carlos Pacheco Jan Zegarra Marielle Peschiera Omar Monsegur Jose Cruz Burgos Jose G. Martinez Carlos Pacheco Carlos Pacheco Carlos Pacheco Carlos Pacheco Carlos Pacheco Felix Lopez Jan Zegarra Jan Zegarra Jose G. Martinez Marielle Peschiera Marielle Peschiera Marielle Peschiera Marielle Peschiera Carlos Pacheco Omar Monsegur	
5 14* 2c 8 11 5c 5c 5c 11 14 5 11* 5 5 6 6 5 17 9 8 5 8 11* 5 8 11* 5 5 8 5 8 5 8 5 8 5 6 6 6 7 7 9 8 7 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8	E E E T TCH ECH TCH E E E E E E E E E TCH TCH TCH E E E E E E E E E E E E E E E E E E E	Elfin tree fern Elfin woods warbler Erubia (Solanum drymophilum) Eugenia woodburyana Gesneria pauciflora (ncn) Golden coqui Gonocalyx concolor (ncn) Guajón Higo chumbo (Harrisia portoricensis) Higūero de siera (Crescentia portoricensis) Ilex sintenisii (ncn) Lepanthes eltorensis (ncn) Leponthes eltorensis (ncn) Lyonia truncata var. proctorii (ncn) Mitracarpus maxwelliae (ncn) Mitracarpus polycladus (ncn) Mona boa Mona ground iguana Monito gecko Myrcia paganii (ncn) Nogal (West Indian walnut) (Joglans jamalcensis) Palma de manaca (Calyptronoma rivalis) Palo colorado (Ternstroemia luquillensis) Palo de jazmín (Styrax portoricensis) Palo de Ramón (Banara vanderbiltii) Palo de rosa (Ottoschulzia rhodoxylon) Pelos del diablo (Aristida portoricensis)	Pr	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	6/16/87 7/22/16 8/26/88 9/9/94 3/7/95 11/11/77 10/9/14 6/11/97 8/8/90 12/4/87 4/22/92 11/29/91 2/26/93 4/27/93 9/9/94 2/3/78 2/3/78 10/15/82 2/18/94 1/13/97 2/6/90 4/22/92 4/7/88 1/14/87 4/10/90 8/8/90	7/9/92 10/6/98 10/6/98 10/6/98 4/19/84 9/24/04 11/12/96 9/23/91 7/31/95 7/15/96 7/26/95 7/31/95 10/6/98 4/19/84 4/19/84 4/19/84 3/27/86 9/29/97 12/9/99 6/25/92 7/31/95 7/31/95 8/7/92 3/15/91 9/20/94 5/16/94	9/1/13 10/30/15 5/9/17 4/24/13 9/30/13 8/1/17 2/6/18 6/16/17 9/8/15 8/24/15 1/19/15 12/2/10 4/4/18 4/4/18 11/6/14 3/4/15 8/8/16 6/16/16 3/28/13 5/24/16 9/8/15 9/8/15 7/15/14 1/10/14 9/1/17 12/2/10	Ivan Llerandiroman Maritza Vargas Omar Monsegur Omar Monsegur Felix Lopez Carlos Pacheco Jan Zegarra Marielle Peschiera Omar Monsegur Jose Cruz Burgos Jose G. Martinez Carlos Pacheco Carlos Pacheco Carlos Pacheco Carlos Pacheco Carlos Pacheco Felix Lopez Jan Zegarra Jan Zegarra Jan Zegarra Jose G. Martinez Marielle Peschiera Marielle Peschiera Maritza Vargas Jose Cruz Burgos Jose Cruz Burgos Marielle Peschiera Carlos Pacheco Omar Monsegur Carlos Pacheco	
5 14* 2c 8 11 5c 5c 5c 11 14 5 11* 5 5 6 5 17 9 8 5 8 11* 5 8 5 8 11* 5 8 8 11*	E E E T TCH ECH TCH E E E E E E E E TCH TCH TCH E E E E E E TCH TCH TCH ECH E E E E E E E E E E E E E E E E E	Elfin tree fern Elfin woods warbler Erubia (Solanum drymophilum) Eugenia woodburyana Gesneria pauciflora (ncn) Golden coqui Gonocalyx concolor (ncn) Guajón Higo chumbo (Harrisia portoricensis) Higūero de siera (Crescentia portoricensis) Ilex sintenisii (ncn) Lepanthes eltorensis (ncn) Leptocereus grantianus (ncn) Lyonia truncata var. proctorii (ncn) Mitracarpus maxwelliae (ncn) Mitracarpus polycladus (ncn) Mona boa Mona ground iguana Monito gecko Myrcia paganii (ncn) Nogal (West Indian walnut) (Juglans jamalcensis) Palma de manaca (Calyptronoma rivalis) Palo colorado (Ternstroemia luquillensis) Palo de jazmín (Styrax portoricensis) Palo de Ramón (Banara vanderbiltii) Palo de rosa (Ottoschulzia rhodoxylon)	Pr	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	6/16/87 7/22/16 8/26/88 9/9/94 3/7/95 11/11/77 10/9/14 6/11/97 8/8/90 12/4/87 4/22/92 11/29/91 2/26/93 4/27/93 9/9/94 2/3/78 2/3/78 10/15/82 2/18/94 1/13/97 2/6/90 4/22/92 4/7/88 1/14/87 4/10/90	1/31/91 7/9/92 10/6/98 10/6/98 4/19/84 9/24/04 11/12/96 9/23/91 7/31/95 7/15/96 7/26/95 7/31/95 10/6/98 4/19/84 4/19/84 4/19/84 3/27/86 9/29/97 12/9/99 6/25/92 7/31/95 7/31/95 8/7/92 3/15/91 9/20/94	9/1/13 10/30/15 5/9/17 4/24/13 9/30/13 8/1/17 2/6/18 6/16/17 9/8/15 8/24/15 1/19/15 12/2/10 4/4/18 4/4/18 11/6/14 3/4/15 8/8/16 6/16/16 3/28/13 5/24/16 9/8/15 9/8/15 7/15/14 1/10/14	Ivan Llerandiroman Maritza Vargas Omar Monsegur Omar Monsegur Felix Lopez Carlos Pacheco Jan Zegarra Marielle Peschiera Omar Monsegur Jose Cruz Burgos Jose G. Martinez Carlos Pacheco Carlos Pacheco Carlos Pacheco Carlos Pacheco Carlos Pacheco Felix Lopez Jan Zegarra Jan Zegarra Jose G. Martinez Marielle Peschiera Marielle Peschiera Marielle Peschiera Marielle Peschiera Carlos Pacheco Omar Monsegur	

6	E	Puerto Rican broad-winged hawk	PR	4	9/9/94	9/8/97	10/28/10	Ivan Llerandi- roman	
8c	T	Puerto Rican crested toad	PR	4	8/4/87	8/7/92	6/21/16	Carlos Pacheco	
5c	Е	Puerto Rico nightjar	PR	4	6/4/73	4/19/84	12/22/17	Jose Cruz Burgos	
2	E	Puerto Rican parrot	PR	4	3/11/67	5/9/09	8/1/17	Ivan Llerandi- roman	
3c	E	Puerto Rican plain pigeon	PR	4	10/13/70	10/14/82	11/22/11	Jose Cruz Burgos	
3	Е	Puerto Rican sharp-shinned hawk	PR	4	9/9/94	9/8/97	9/7/18	Ivan Llerandi- roman	
3	E,T	Roseate tern	PR	5	11/2/87	9/24/93	9/30/10	Maritza Vargas	
5c	T	Schoepfia arenaria (ncn)	PR	4	4/19/91	1/10/92	7/18/16	Jose G. Martinez	
2c	ECH	St. Croix ground lizard	PR	4	6/3/77	3/29/84	8/21/13	Jan Zegarra	
5c	E	St. Thomas prickly ash (Zanothyxylum thomasianum)	PR	4	12/20/85	4/5/88	8/28/15	Omar Monsegur	
8	E	Tectaria estremerana (ncn)	PR	4	6/9/93	1/17/95	7/27/17	Marielle Peschiera	
5	E	Ternstroemia subsessilis (ncn)	PR	4	4/22/92	7/31/95	9/8/15	Jose Cruz Burgos	
5	E	Thelypteris inabonensis (ncn)	PR	4	7/2/93	1/17/95	5/12/15	Maritza Vargas	
5	E	Thelypteris verecunda (ncn)	PR	4	7/2/93	1/17/95	5/12/15	Maritza Vargas	
5	E	Thelypteris yaucoensis (ncn)	PR	4	7/2/93	1/17/95	5/12/15	Maritza Vargas	
8	E	Uvillo (Eugenia haematocarpa)	PR	4	11/25/94	9/11/98	6/29/14	Omar Monsegur	
5	E	Vahl's boxwood (Buxus vahlii)	PR	4	8/13/85	4/28/87	4/19/13	Omar Monsegur	
8c*	TCH	Varronia rupicola (ncn)	PR	4	10/9/14			Omar Monsegur	R4 propose
5c	Е	Vernonia proctorii (ncn)	PR	4	4/27/93	7/31/95	12/2/10	Carlos Pacheco	
9c	Е	Virgin Islands tree boa	PR	4	10/13/70	3/27/86	8/14/07	Jan Zegarra	Other
5c	TCH	West Indian (Antillean) manatee	PR	4	4/5/17	12/24/86	1/8/16	Jan Zegarra	A-1
5	Е	Wheeler's peperomia (Peperomia wheeleri)	PR	4	1/14/87	11/26/90	3/12/14	Carlos Pacheco	R4
2	Е	White necked crow	PR	4	4/3/91	International 11/12/96	8/24/15	Jose Cruz Burgos	A-20; P-52
RECOVERY	ECH	Yellow-shouldered blackbird	PR LEAD	LEAD	11/19/76 LISTING	RECOVERY	2/2/11 5-YEAR REVIEW	Jose Cruz Burgos RECOVERY LEAD	,
RIORITY (RPN)								FOR SPP	
	STATUS	SPECIES	FO	REG	DATE	PLAN DATE		FORSIT	
	STATUS	SPECIES Atlantic pigtoe	FO RANC	REG 4	DATE	PLAN DATE		Sarah McRae	<u> </u>
					DATE 6/2/70	PLAN DATE International	10/30/13		
Raleigh, NC	PT	Atlantic pigtoe	RANC	4			10/30/13 8/21/17	Sarah McRae	
Raleigh, NC	PT E	Atlantic pigtoe Bermuda petrel (cahow)	RANC RANC	4	6/2/70	International		Sarah McRae John Hammond	
Raleigh, NC 1 5	PT E ECH	Atlantic pigtoe Bermuda petrel (cahow) Cape Fear shiner	RANC RANC RANC	4 4 4	6/2/70 9/25/87	International 10/7/88	8/21/17	Sarah McRae John Hammond Sarah McRae	
Raleigh, NC 1 5 2	PT E ECH	Atlantic pigtoe Bermuda petrel (cahow) Cape Fear shiner Cooley's meadowne (Thalictrum cooleyi)	RANC RANC RANC RANC	4 4 4	6/2/70 9/25/87 2/7/89	International 10/7/88 4/21/94	8/21/17 1/8/09	Sarah McRae John Hammond Sarah McRae Dale Suiter	
1 5 2 5	PT E ECH E	Atlantic pigtoe Bermuda petrel (cahow) Cape Fear shiner Cooley's meadowrue (Thalictrum cooleyi) Dwarf wedge mussel	RANC RANC RANC RANC RANC	4 4 4 4 5	6/2/70 9/25/87 2/7/89 3/14/90	International 10/7/88 4/21/94 2/8/93	8/21/17 1/8/09 4/17/13	Sarah McRae John Hammond Sarah McRae Dale Suiter Sarah McRae	
1 5 2 5 8	PT E ECH E E	Atlantic pigtoe Bermuda petrel (cahow) Cape Fear shiner Cooley's meadowrue (Thalictrum cooleyi) Dwarf wedge mussel Golden sedge (Carex lutea)	RANC RANC RANC RANC RANC RANC	4 4 4 4 5	6/2/70 9/25/87 2/7/89 3/14/90 1/23/02	International 10/7/88 4/21/94 2/8/93 3/28/14	8/21/17 1/8/09 4/17/13 8/24/15	Sarah McRae John Hammond Sarah McRae Dale Suiter Sarah McRae Dale Suiter	
1 5 2 5 8 2 2	PT E ECH E E	Atlantic pigtoe Bermuda petrel (cahow) Cape Fear shiner Cooley's meadowrue (Thalictrum cooleyi) Dwarf wedge mussel Golden sedge (Carex lutea) Michaux's sumae (Rhus michauxii)	RANC RANC RANC RANC RANC RANC RANC RANC	4 4 4 4 5 4	6/2/70 9/25/87 2/7/89 3/14/90 1/23/02 9/28/89	International 10/7/88 4/21/94 2/8/93 3/28/14 4/30/93	8/21/17 1/8/09 4/17/13 8/24/15 9/1/14	Sarah McRae John Hammond Sarah McRae Dale Suiter Sarah McRae Dale Suiter Dale Suiter Pete Benjamin/Emily	
1 5 2 5 8 2 5c	PT E ECH E E E E	Atlantic pigtoe Bermuda petrel (cahow) Cape Fear shiner Cooley's meadowrue (Thalictrum cooleyi) Dwarf wedge mussel Golden sedge (Carex lutea) Michaux's sumac (Rhus michauxii) Red wolf	RANC RANC RANC RANC RANC RANC RANC RANC	4 4 4 5 4 4	6/2/70 9/25/87 2/7/89 3/14/90 1/23/02 9/28/89 3/11/67	International 10/7/88 4/21/94 2/8/93 3/28/14 4/30/93 10/26/90	8/21/17 1/8/09 4/17/13 8/24/15 9/1/14 4/23/18	Sarah McRae John Hammond Sarah McRae Dale Suiter Sarah McRae Dale Suiter Dale Suiter Pete Benjamin/Emily Weller	
1 5 2 5 8 2 5 5 c 5 c	PT E ECH E E E E	Atlantic pigtoe Bermuda petrel (cahow) Cape Fear shiner Cooley's meadowrue (Thalictrum cooleyi) Dwarf wedge mussel Golden sedge (Carex lutea) Michaux's sumac (Rhus michauxii) Red wolf Roanoke logperch	RANC RANC RANC RANC RANC RANC RANC RANC	4 4 4 4 5 4 4 4	6/2/70 9/25/87 2/7/89 3/14/90 1/23/02 9/28/89 3/11/67	International 10/7/88 4/21/94 2/8/93 3/28/14 4/30/93 10/26/90 3/20/92	8/21/17 1/8/09 4/17/13 8/24/15 9/1/14 4/23/18	Sarah McRae John Hammond Sarah McRae Dale Suiter Sarah McRae Dale Suiter Dale Suiter Pete Benjamin/Emily Weller Sarah McRae	R4- prop -
1 5 2 5 8 2 5 5 c 5 c	PT E ECH E E E E	Atlantic pigtoe Bermuda petrel (cahow) Cape Fear shiner Cooley's meadowrue (Thalictrum cooleyi) Dwarf wedge mussel Golden sedge (Carex lutea) Michaux's sumac (Rhus michauxii) Red wolf Roanoke logperch Rough-leaved loosestrife (Lysimachia asperulaefolia)	RANC RANC RANC RANC RANC RANC RANC RANC	4 4 4 5 5 4 4 4 5 5 4 4 4 4 4 4 4 4 4 4	6/2/70 9/25/87 2/7/89 3/14/90 1/23/02 9/28/89 3/11/67 8/18/89 6/12/87	International 10/7/88 4/21/94 2/8/93 3/28/14 4/30/93 10/26/90 3/20/92 4/19/95 4/23/96 11/12/96	8/21/17 1/8/09 4/17/13 8/24/15 9/1/14 4/23/18 9/19/07 11/16/14	Sarah McRae John Hammond Sarah McRae Dale Suiter Sarah McRae Dale Suiter Dale Suiter Pete Benjamin/Emily Weller Sarah McRae Dale Suiter	R4- prop - 1
1 5 2 5 8 2 5 5 6 8 3 3	PT E ECH E E E E E E E	Atlantic pigtoe Bermuda petrel (cahow) Cape Fear shiner Cooley's meadowrue (Thalictrum cooleyi) Dwarf wedge mussel Golden sedge (Carex lutea) Michaux's sumac (Rhus michauxii) Red wolf Roanoke logperch Rough-leaved loosestrife (Iysimachia asperulaefolia) Saint Francis satyr	RANC RANC RANC RANC RANC RANC RANC RANC	4 4 4 4 5 5 4 4 4 5 5 4 4 4 4 4 4 4 4 4	6/2/70 9/25/87 2/7/89 3/14/90 1/23/02 9/28/89 3/11/67 8/18/89 6/12/87 1/26/95	International 10/7/88 4/21/94 2/8/93 3/28/14 4/30/93 10/26/90 3/20/92 4/19/95 4/23/96 11/12/96 9/29/95	8/21/17 1/8/09 4/17/13 8/24/15 9/1/14 4/23/18 9/19/07 11/16/14 12/26/13	Sarah McRae John Hammond Sarah McRae Dale Suiter Sarah McRae Dale Suiter Dale Suiter Pete Benjamin/Emily Weller Sarah McRae Dale Suiter Becky Harrison	R4- prop - 1
Raleigh, NC 1 5 2 5 8 2 5c 5c 8 3 8c	PT E ECH E E E E E E E T	Atlantic pigtoe Bermuda petrel (cahow) Cape Fear shiner Cooley's meadowrue (Thalictrum cooleyi) Dwarf wedge mussel Golden sedge (Carex lutea) Michaux's sumac (Rhus michauxii) Red wolf Roanoke logperch Rough-leaved loosestrife (Iysimachia asperulaefolia) Saint Francis satyr Seabeach amaranth (Amaranthus pumilus)	RANC RANC RANC RANC RANC RANC RANC RANC	4 4 4 4 5 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4	6/2/70 9/25/87 2/7/89 3/14/90 1/23/02 9/28/89 3/11/67 8/18/89 6/12/87 1/26/95 4/7/93	International 10/7/88 4/21/94 2/8/93 3/28/14 4/30/93 10/26/90 3/20/92 4/19/95 4/23/96 11/12/96	8/21/17 1/8/09 4/17/13 8/24/15 9/1/14 4/23/18 9/19/07 11/16/14 12/26/13 6/4/18	Sarah McRae John Hammond Sarah McRae Dale Suiter Sarah McRae Dale Suiter Dale Suiter Pete Benjamin/Emily Weller Sarah McRae Dale Suiter Becky Harrison Dale Suiter	
Raleigh, NC 1 5 2 5 8 2 5c 8 3 8c 2*	PT E ECH E E E E E T T	Atlantic pigtoe Bermuda petrel (cahow) Cape Fear shiner Cooley's meadowrue (Thalictrum cooleyi) Dwarf wedge mussel Golden sedge (Carex lutea) Michaux's sumac (Rhus michauxii) Red wolf Roanoke logperch Rough-leaved loosestrife (Lysimachia asperulacfolia) Saint Francis satyr Seabeach amaranth (Amaranthus pumilus) Sensitive joint-vetch (Aeschynomene virginica)	RANC RANC RANC RANC RANC RANC RANC RANC	4 4 4 4 5 5 4 4 4 4 5 5	6/2/70 9/25/87 2/7/89 3/14/90 1/23/02 9/28/89 3/11/67 8/18/89 6/12/87 1/26/95 4/7/93 5/20/92	International 10/7/88 4/21/94 2/8/93 3/28/14 4/30/93 10/26/90 3/20/92 4/19/95 4/23/96 11/12/96 9/29/95	8/21/17 1/8/09 4/17/13 8/24/15 9/1/14 4/23/18 9/19/07 11/16/14 12/26/13 6/4/18 9/25/13 8/2/11 9/10/14	Sarah McRae John Hammond Sarah McRae Dale Suiter Sarah McRae Dale Suiter Dale Suiter Pete Benjamin/Emily Weller Sarah McRae Dale Suiter Becky Harrison Dale Suiter Dale Suiter	Other
1 5 2 5 8 2 5 5 8 3 8 2 2* 5 5	PT E ECH E E E E E T T E	Atlantic pigtoe Bermuda petrel (cahow) Cape Fear shiner Cooley's meadowrue (Thalictrum cooleyi) Dwarf wedge mussel Golden sedge (Carex lutea) Michaux's sumac (Rhus michauxii) Red wolf Roanoke logperch Rough-leaved loosestrife (Lysimachia asperulaefolia) Saint Francis satyr Seabeach amaranth (Amaranthus pumilus) Sensitive joint-vetch (Aeschynomene virginica) Smooth coneflower (Echinacea laevigata)	RANC RANC RANC RANC RANC RANC RANC RANC	4 4 4 4 5 5 4 4 4 4 5 5 4 4 4 4 4 4 4 4	6/2/70 9/25/87 2/7/89 3/14/90 1/23/02 9/28/89 3/11/67 8/18/89 6/12/87 1/26/95 4/7/93 5/20/92 10/8/92	International 10/7/88 4/21/94 2/8/93 3/28/14 4/30/93 10/26/90 3/20/92 4/19/95 4/23/96 11/12/96 9/29/95 4/18/95	8/21/17 1/8/09 4/17/13 8/24/15 9/1/14 4/23/18 9/19/07 11/16/14 12/26/13 6/4/18 9/25/13 8/2/11	Sarah McRae John Hammond Sarah McRae Dale Suiter Sarah McRae Dale Suiter Dale Suiter Pete Benjamin/Emily Weller Sarah McRae Dale Suiter Becky Harrison Dale Suiter Dale Suiter Dale Suiter	Other A-2,P-1
1 5 2 5 8 2 5 5 8 3 8 2 2* 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	PT E ECH E E E E T T E E	Atlantic pigtoe Bermuda petrel (cahow) Cape Fear shiner Cooley's meadowne (Thalictrum cooleyi) Dwarf wedge mussel Golden sedge (Carex lutea) Michaux's sumac (Rhus michauxii) Red wolf Roanoke logperch Rough-leaved loosestrife (Lysimachia asperulaefolia) Saint Francis satyr Seabeach amaranth (Amaranthus pumilus) Sensitive joint-vetch (Aeschynomene virginica) Smooth coneflower (Echinacea laevigata) Tar River spinymussel	RANC RANC RANC RANC RANC RANC RANC RANC	4 4 4 4 5 5 4 4 4 4 5 5 4 4 4 4 4 4 4 4	6/2/70 9/25/87 2/7/89 3/14/90 1/23/02 9/28/89 3/11/67 8/18/89 6/12/87 1/26/95 4/7/93 5/20/92 10/8/92 6/27/85	International 10/7/88 4/21/94 2/8/93 3/28/14 4/30/93 10/26/90 3/20/92 4/19/95 4/23/96 11/12/96 9/29/95 4/18/95 5/5/92	8/21/17 1/8/09 4/17/13 8/24/15 9/1/14 4/23/18 9/19/07 11/16/14 12/26/13 6/4/18 9/25/13 8/2/11 9/10/14	Sarah McRae John Hammond Sarah McRae Dale Suiter Sarah McRae Dale Suiter Dale Suiter Pete Benjamin/Emily Weller Sarah McRae Dale Suiter Becky Harrison Dale Suiter Dale Suiter Dale Suiter Sarah McRae Dale Suiter Sarah Sarah Sarah	Other A-2,P-1 R4
8 1 5 5 8 8 2 5 5 8 8 3 8 6 2 2 5 5 5 6 8 8 8 8 6 2 8 5 6 8 8 6 7 8 7 8 8 7 8 8 7 8 8 7 8 8 7 8 8 8 8	PT E ECH E E E E T T T E E T T T E	Atlantic pigtoe Bermuda petrel (cahow) Cape Fear shiner Cooley's meadowne (Thalictrum cooleyi) Dwarf wedge mussel Golden sedge (Carex lutea) Michaux's sumac (Rhus michauxii) Red wolf Roanoke logperch Rough-leaved loosestrife (Lysimachia asperulaefolia) Saint Francis satyr Scabeach amaranth (Amaranthus pumilus) Sensitive joint-vetch (Aeschynomene virginica) Smooth coneflower (Echinacea laevigata) Tar River spinymussel Waccamaw silverside	RANC RANC RANC RANC RANC RANC RANC RANC	4 4 4 4 5 5 4 4 4 4 5 5 4 4 4 4 4 4 4 4	6/2/70 9/25/87 2/7/89 3/14/90 1/23/02 9/28/89 3/11/67 8/18/89 6/12/87 1/26/95 4/7/93 5/20/92 10/8/92 6/27/85 4/8/87	International 10/7/88 4/21/94 2/8/93 3/28/14 4/30/93 10/26/90 3/20/92 4/19/95 4/23/96 11/12/96 9/29/95 4/18/95 5/5/92	8/21/17 1/8/09 4/17/13 8/24/15 9/1/14 4/23/18 9/19/07 11/16/14 12/26/13 6/4/18 9/25/13 8/2/11 9/10/14	Sarah McRae John Hammond Sarah McRae Dale Suiter Sarah McRae Dale Suiter Dale Suiter Pete Benjamin/Emily Weller Sarah McRae Dale Suiter Becky Harrison Dale Suiter Dale Suiter Dale Suiter Sarah McRae Dale Suiter Sarah McRae Sarah McRae	Other A-2,P-1 R4
1 5 2 5 8 2 5 5 8 3 8 2 2 5 5 5 8 8 8 2 2 8 5 6 8 8 8 6 2 8 8 C RECOVERY	PT E ECH E E E E T T T E T T T T	Atlantic pigtoe Bermuda petrel (cahow) Cape Fear shiner Cooley's meadowne (Thalictrum cooleyi) Dwarf wedge mussel Golden sedge (Carex lutea) Michaux's sumac (Rhus michauxii) Red wolf Roanoke logperch Rough-leaved loosestrife (Lysimachia asperulaefolia) Saint Francis satyr Scabeach amaranth (Amaranthus pumilus) Sensitive joint-vetch (Aeschynomene virginica) Smooth coneflower (Echinacea laevigata) Tar River spinymussel Waccamaw silverside	RANC RANC RANC RANC RANC RANC RANC RANC	4 4 4 4 4 5 5 4 4 4 4 4 4 4 4 4 4 4 4 4	6/2/70 9/25/87 2/7/89 3/14/90 1/23/02 9/28/89 3/11/67 8/18/89 6/12/87 1/26/95 4/7/93 5/20/92 10/8/92 6/27/85 4/8/87 4/3/18	International 10/7/88 4/21/94 2/8/93 3/28/14 4/30/93 10/26/90 3/20/92 4/19/95 4/23/96 11/12/96 9/29/95 4/18/95 5/5/92 8/11/83	8/21/17 1/8/09 4/17/13 8/24/15 9/1/14 4/23/18 9/19/07 11/16/14 12/26/13 6/4/18 9/25/13 8/2/11 9/10/14 2/10/11	Sarah McRae John Hammond Sarah McRae Dale Suiter Sarah McRae Dale Suiter Dale Suiter Pete Benjamin/Emily Weller Sarah McRae Dale Suiter Becky Harrison Dale Suiter Dale Suiter Dale Suiter Sarah McRae Sarah McRae Sarah McRae Sarah McRae	Other A-2,P-1 R4
8 1 1 5 2 5 8 8 2 5 5 8 8 2 2 5 5 8 8 8 5 5 5 6 8 8 8 6 2 8 8 C 2 8 C 8 C 8 C 8 C 8 C 8 C 8 C 8	PT E ECH E E E E T T T E T T T T	Atlantic pigtoe Bermuda petrel (cahow) Cape Fear shiner Cooley's meadowrue (Thalictrum cooleyi) Dwarf wedge mussel Golden sedge (Carex lutea) Michaux's sumac (Rhus michauxii) Red wolf Roanoke logperch Rough-leaved loosestrife (Iysimachia asperulaefolia) Saint Francis satyr Seabeach amaranth (Amaranthus pumilus) Sensitive joint-vetch (Aeschynomene virginica) Smooth coneflower (Echinacea laevigata) Tar River spinymussel Waccamaw silverside Yellow lance	RANC RANC RANC RANC RANC RANC RANC RANC	4 4 4 4 5 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4	6/2/70 9/25/87 2/7/89 3/14/90 1/23/02 9/28/89 3/11/67 8/18/89 6/12/87 1/26/95 4/7/93 5/20/92 10/8/92 6/27/85 4/8/87 4/3/18	International 10/7/88 4/21/94 2/8/93 3/28/14 4/30/93 10/26/90 3/20/92 4/19/95 4/23/96 11/12/96 9/29/95 4/18/95 5/5/92 8/11/83 RECOVERY	8/21/17 1/8/09 4/17/13 8/24/15 9/1/14 4/23/18 9/19/07 11/16/14 12/26/13 6/4/18 9/25/13 8/2/11 9/10/14 2/10/11	Sarah McRae John Hammond Sarah McRae Dale Suiter Sarah McRae Dale Suiter Dale Suiter Pete Benjamin/Emily Weller Sarah McRae Dale Suiter Becky Harrison Dale Suiter Dale Suiter Dale Suiter Sarah McRae Sarah McRae Sarah McRae Sarah McRae	Other A-2,P-1 R4
1	PT E ECH E E E E T T T E T T T T	Atlantic pigtoe Bermuda petrel (cahow) Cape Fear shiner Cooley's meadowrue (Thalictrum cooleyi) Dwarf wedge mussel Golden sedge (Carex lutea) Michaux's sumac (Rhus michauxii) Red wolf Roanoke logperch Rough-leaved loosestrife (Iysimachia asperulaefolia) Saint Francis satyr Seabeach amaranth (Amaranthus pumilus) Sensitive joint-vetch (Aeschynomene virginica) Smooth coneflower (Echinacea laevigata) Tar River spinymussel Waccamaw silverside Yellow lance	RANC RANC RANC RANC RANC RANC RANC RANC	4 4 4 4 5 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4	6/2/70 9/25/87 2/7/89 3/14/90 1/23/02 9/28/89 3/11/67 8/18/89 6/12/87 1/26/95 4/7/93 5/20/92 10/8/92 6/27/85 4/8/87 4/3/18	International 10/7/88 4/21/94 2/8/93 3/28/14 4/30/93 10/26/90 3/20/92 4/19/95 4/23/96 11/12/96 9/29/95 4/18/95 5/5/92 8/11/83 RECOVERY	8/21/17 1/8/09 4/17/13 8/24/15 9/1/14 4/23/18 9/19/07 11/16/14 12/26/13 6/4/18 9/25/13 8/2/11 9/10/14 2/10/11	Sarah McRae John Hammond Sarah McRae Dale Suiter Sarah McRae Dale Suiter Dale Suiter Pete Benjamin/Emily Weller Sarah McRae Dale Suiter Becky Harrison Dale Suiter Dale Suiter Dale Suiter Sarah McRae Sarah McRae Sarah McRae Sarah McRae	Other A-2,P-1 R4
1	PT E ECH E E E E E T T T E E TCH T	Atlantic pigtoe Bermuda petrel (cahow) Cape Fear shiner Cooley's meadowrue (Thalictrum cooleyi) Dwarf wedge mussel Golden sedge (Carex lutea) Michaux's sumac (Rhus michauxii) Red wolf Roanoke logperch Rough-leaved loosestrife (Izsimachia asperulaefolia) Saint Francis satyr Seabeach amaranth (Amaranthus pumilus) Sensitive joint-vetch (Aeschynomene virginica) Smooth coneflower (Echinacea laevigata) Tar River spinymussel Waccamaw silverside Yellow lance	RANC RANC RANC RANC RANC RANC RANC RANC	4 4 4 4 5 5 4 4 4 4 5 5 4 4 4 4 4 LEAD REG	6/2/70 9/25/87 2/7/89 3/14/90 1/23/02 9/28/89 3/11/67 8/18/89 6/12/87 1/26/95 4/7/93 5/20/92 10/8/92 6/27/85 4/8/87 4/3/18 LISTING DATE	International 10/7/88 4/21/94 2/8/93 3/28/14 4/30/93 10/26/90 3/20/92 4/19/95 4/23/96 11/12/96 9/29/95 4/18/95 5/5/92 8/11/83 RECOVERY PLAN DATE	8/21/17 1/8/09 4/17/13 8/24/15 9/1/14 4/23/18 9/19/07 11/16/14 12/26/13 6/4/18 9/25/13 8/2/11 9/10/14 2/10/11	Sarah McRae John Hammond Sarah McRae Dale Suiter Sarah McRae Dale Suiter Pete Benjamin/Emily Weller Sarah McRae Dale Suiter Becky Harrison Dale Suiter Dale Suiter Dale Suiter Sarah McRae Sarah McRae Sarah McRae Sarah McRae Sarah McRae Sarah McRae	Other A-2,P-1 R4
8 1 5 5 8 8 2 5 5 5 8 8 8 2 2 8 5 5 5 8 8 8 6 2 8 8 6 7 8 8 7 8 8 8 7 8 8 8 7 8 8 8 7 8	PT E E CH E E E E E T T T E E T T STATUS	Atlantic pigtoe Bermuda petrel (cahow) Cape Fear shiner Cooley's meadowrue (Thalictrum cooleyi) Dwarf wedge mussel Golden sedge (Carex lutea) Michaux's sumac (Rhus michauxii) Red wolf Roanoke logperch Rough-leaved loosestrife (Izsimachia asperulaefolia) Saint Francis satyr Seabeach amaranth (Amaranthus pumilus) Sensitive joint-vetch (Aeschynomene virginica) Smooth coneflower (Echinacea laevigata) Tar River spinymussel Waccamaw silverside Yellow lance SPECIES	RANC RANC RANC RANC RANC RANC RANC RANC	4 4 4 4 4 4 4 5 5 4 4 4 4 4 4 4 LEAD REG	6/2/70 9/25/87 2/7/89 3/14/90 1/23/02 9/28/89 3/11/67 8/18/89 6/12/87 1/26/95 4/7/93 5/20/92 10/8/92 6/27/85 4/8/87 4/3/18 LISTING DATE	International 10/7/88 4/21/94 2/8/93 3/28/14 4/30/93 10/26/90 3/20/92 4/19/95 4/23/96 11/12/96 9/29/95 4/18/95 5/5/92 8/11/83 RECOVERY PLAN DATE	8/21/17 1/8/09 4/17/13 8/24/15 9/1/14 4/23/18 9/19/07 11/16/14 12/26/13 6/4/18 9/25/13 8/2/11 9/10/14 2/10/11 5-YEAR REVIEW	Sarah McRae John Hammond Sarah McRae Dale Suiter Sarah McRae Dale Suiter Pete Benjamin/Emily Weller Sarah McRae Dale Suiter Becky Harrison Dale Suiter Dale Suiter Dale Suiter Sarah McRae	Other A-2,P-1 R4
8	PT E E CH E E E E E E T T T E E T T STATUS	Atlantic pigtoe Bermuda petrel (cahow) Cape Fear shiner Cooley's meadowne (Thalictrum cooleyi) Dwarf wedge mussel Golden sedge (Carex lutea) Michaux's sumac (Rhus michauxii) Red wolf Roanoke logperch Rough-leaved loosestrife (Lysimachia asperulaefolia) Saint Francis satyr Seabeach amaranth (Amaranthus pumilus) Sensitive joint-vetch (Aeschynomene virginica) Smooth coneflower (Echinacea laevigata) Tar River spinymussel Waccamaw silverside Yellow lance SPECIES American chaffseed (Schwalbea americana) Bachman's warbler	RANC RANC RANC RANC RANC RANC RANC RANC	4 4 4 4 4 5 5 4 4 4 4 4 4 LEAD REG	6/2/70 9/25/87 2/7/89 3/14/90 1/23/02 9/28/89 3/11/67 8/18/89 6/12/87 1/26/95 4/7/93 5/20/92 10/8/92 6/27/85 4/8/87 4/3/18 LISTING DATE	International 10/7/88 4/21/94 2/8/93 3/28/14 4/30/93 10/26/90 3/20/92 4/19/95 4/23/96 11/12/96 9/29/95 4/18/95 5/5/92 8/11/83 RECOVERY PLAN DATE	8/21/17 1/8/09 4/17/13 8/24/15 9/1/14 4/23/18 9/19/07 11/16/14 12/26/13 6/4/18 9/25/13 8/2/11 9/10/14 2/10/11 5-YEAR REVIEW 8/13/10 5/6/15	Sarah McRae John Hammond Sarah McRae Dale Suiter Sarah McRae Dale Suiter Pete Benjamin/Emily Weller Sarah McRae Dale Suiter Becky Harrison Dale Suiter Dale Suiter Dale Suiter Sarah McRae	Other A-2,P-1 R4
8 1 1 5 2 2 5 5 8 8 2 2 5 5 6 8 8 8 6 2 8 8 6 7 8 8 6 7 8 8 7 8 8 7 8 8 8 7 8 8 8 7 8 8 8 8	PT E E CH E E E E E E T T T E E T T STATUS	Atlantic pigtoe Bermuda petrel (cahow) Cape Fear shiner Cooley's meadowne (Thalictrum cooleyi) Dwarf wedge mussel Golden sedge (Carex lutea) Michaux's sumac (Rhus michauxii) Red wolf Roanoke logperch Rough-leaved loosestrife (Lysimachia asperuluefolia) Saint Francis satyr Seabeach amaranth (Amaranthus pumilus) Sensitive joint-vetch (Aeschynomene virginica) Smooth coneflower (Echinacea laevigata) Tar River spinymussel Waccamaw silverside Yellow lance SPECIES American chaffseed (Schwalbea americana) Bachman's warbler Canby's dropwort (Oxypolis canbyi)	RANC RANC RANC RANC RANC RANC RANC RANC	4 4 4 4 4 5 5 4 4 4 4 4 4 4 4 4 4 4 4 4	6/2/70 9/25/87 2/7/89 3/14/90 1/23/02 9/28/89 3/11/67 8/18/89 6/12/87 1/26/95 4/7/93 5/20/92 10/8/92 6/27/85 4/8/87 4/3/18 LISTING DATE 9/29/92 3/11/67 2/25/86	International 10/7/88 4/21/94 2/8/93 3/28/14 4/30/93 10/26/90 3/20/92 4/19/95 4/23/96 11/12/96 9/29/95 4/18/95 5/5/92 8/11/83 RECOVERY PLAN DATE 9/29/95 exempt 4/10/90	8/21/17 1/8/09 4/17/13 8/24/15 9/1/14 4/23/18 9/19/07 11/16/14 12/26/13 6/4/18 9/25/13 8/2/11 9/10/14 2/10/11 5-YEAR REVIEW 8/13/10 5/6/15 7/28/15	Sarah McRae John Hammond Sarah McRae Dale Suiter Sarah McRae Dale Suiter Pete Benjamin/Emily Weller Sarah McRae Dale Suiter Becky Harrison Dale Suiter Dale Suiter Backy Harrison Dale Suiter Sarah McRae	Other A-2,P-1 R4 A-7;P-6
8 1 1 5 2 2 5 5 8 8 2 2 5 5 6 8 8 8 6 2 8 8 6 7 8 8 6 7 8 8 7 8 8 7 8 8 8 7 8 8 8 7 8 8 8 8	PT E E CH E E E E E E T T T E E T T T E E E E T T T E E E E T T T E E E E T T T E E E E T T T E E E E E T T T E E E E E T T T E E E E E E T T T E E E E E T T T T E	Atlantic pigtoe Bermuda petrel (cahow) Cape Fear shiner Cooley's meadowne (Thalictrum cooleyi) Dwarf wedge mussel Golden sedge (Carex lutea) Michaux's sumac (Rhus michauxii) Red wolf Roanoke logperch Rough-kaved loosestrife (Izsimachia asperuluefolia) Saint Francis satyr Seabeach amaranth (Amaranthus pumilus) Sensitive joint-vetch (Aeschynomene virginica) Smooth coneflower (Echinacea laevigata) Tar River spinymussel Waccamaw silverside Yellow lance SPECIES American chaffseed (Schwalbea americana) Bachman's warbler Canby's dropwort (Oxypolis canbyi) Carolina heelsplitter	RANC RANC RANC RANC RANC RANC RANC RANC	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	6/2/70 9/25/87 2/7/89 3/14/90 1/23/02 9/28/89 3/11/67 8/18/89 6/12/87 1/26/95 4/7/93 5/20/92 10/8/92 6/27/85 4/8/87 4/3/18 LISTING DATE 9/29/92 3/11/67 2/25/86	International 10/7/88 4/21/94 2/8/93 3/28/14 4/30/93 10/26/90 3/20/92 4/19/95 4/23/96 11/12/96 9/29/95 4/18/95 5/5/92 8/11/83 RECOVERY PLAN DATE 9/29/95 exempt 4/10/90	8/21/17 1/8/09 4/17/13 8/24/15 9/1/14 4/23/18 9/19/07 11/16/14 12/26/13 6/4/18 9/25/13 8/2/11 9/10/14 2/10/11 5-YEAR REVIEW 8/13/10 5/6/15 7/28/15	Sarah McRae John Hammond Sarah McRae Dale Suiter Sarah McRae Dale Suiter Pete Benjamin/Emily Weller Sarah McRae Dale Suiter Becky Harrison Dale Suiter Dale Suiter Becky Harrison Dale Suiter Dale Suiter Dale Suiter Sarah McRae Sarah McRae Sarah McRae Sarah McRae Sarah McRae Sarah McRae April Punsalan Paula Sisson April Punsalan Morgan Wolf	Other A-2,P-1 R4 A-7;P-6

2C	ЕСН, ТСН	Piping plovers (wintering)	SC/ PCFL	3,5	12/11/85	5/2/1996, 9/8/2003, 3/16/2016	9/29/09	Melissa Chaplin (Patty Kelly)	R4
12C	Т	Red knot	SC/PCFL	5	12/11/14			Melissa Chaplin (Patty Kelly)	A-2, P-3
RECOVERY			LEAD	LEAD	LISTING	RECOVERY	5-YEAR REVIEW	RECOVERY LEAD FOR SPP	
	STATUS	SPECIES	FO	REG	DATE	PLAN DATE			1
South Florida, FL									
5	ECH	Aboriginal prickly-apple (Harrisia aboriginum)	SOFL	4	10/24/13			David Bender	
2c	TCH	American crocodile	SOFL	4	9/25/75; 3/20/07	5/18/99	3/24/05	John Wrublik	Ī
8c	T	Audubon's (Florida) crested caracara	SOFL	4	7/6/87	5/18/99	8/14/09	Steve Schubert	
2c	E	Avon Park harebells (Crotalaria avonensis)	SOFL	4	4/27/93	5/18/99	7/13/07	David Bender	ļ
3c	ECH	Bartram's scrub-hairstreak butterfly	SOFL	4	8/12/14; 8/19/14			Mark Salvato	
2	Е	Beach jacquemontia (Jacquemontia reclinata)	SOFL	4	11/24/93	5/18/99	5/30/07	David Bender	ļ
2	E	Beautiful pawpaw (Deering othannus pulchellus)	SOFL	4	9/26/86	5/18/99	6/17/09	David Bender	ļ
2*	EPCH	Big Pine partridge pea (Chamaecrista lineata var keyensis)	SOFL	4	9/29/16	5/10/00	0/0/07	David Bender	ļ
3*	T	Blue-tailed mole skink	SOFL	4	11/6/87 9/29/16	5/18/99	8/2/07	Lindsay Nester	ł
3c	ECH	Blodgett's silverbush (<i>Argythamnia blodgettii</i>) Cape Sable seaside sparrow	SOFL SOFL	4	9/29/16 3/11/67	5/18/99	8/18/10	David Bender Mary Peterson	ł
5	ECH	Cape Sable thoroughwort (Chromolaena frustrata)	SOFL	4	10/24/13	3/16/99	6/16/10	David Bender	ł
2	E	Carter's mustard (Warea carteri)	SOFL	4	1/21/87	5/18/99	9/15/08	David Bender David Bender	ł
6	ECH	Carter's small-flowered flax (Linum carteri var carteri)	SOFL	4	9/4/14	3/10/22	<i>3</i> /15/00	David Bender (Mark Salvato co- lead)	
5c	Е	Crenulate lead-plant (Amorpha crenulata)	SOFL	4	7/18/95	5/18/99	9/21/07	David Bender (Mark Salvato co- lead)	
6c	Е	Deltoid spurge (Chamaesyce deltoidea ssp deltoidea)	SOFL	4	7/18/95	5/18/99	6/15/10	David Bender (Mark Salvato co- lead)	
	Т	Everglades bully (Sideroxylon reclinatum ssp austrofloridense)	SOFL	4	10/6/17			David Bender (Mark Salvato co- lead)	
Зс	ECH	Everglade snail kite	SOFL	4	3/11/67	5/18/99	9/27/07	Marla Hamilton (Steve Schubert co- lead)	
2c	Е	Florida bonneted bat	SOFL	4	10/2/13			Sandra Sneckenberger	Ī
5	ECH	Florida brickell-bush (Brickellia mosieri)	SOFL	4	9/4/14			David Bender (Mark Salvato co- lead)	
6	EPCH	Florida bristle fem (Trichomanes punctatum ssp floridanum)	SOFL	4	10/6/15			Layne Bolen	1
3c	Е	Florida grasshopper sparrow	SOFL	4	7/31/86	5/18/99	9/30/08	Mary Peterson]
6с	ECH	Florida leafwing butterfly	SOFL	4	8/12/14; 8/19/14			Mark Salvato	
6c	Е	Florida panther	SOFL	4	3/11/67	11/1/08	4/28/09	David Shindle	
2	E	Florida perforate cladonia (Cladonia perforata)	SOFL	4	4/27/93	5/18/99	9/17/07	David Bender]
	Т	Florida pineland crabgrass (Digitaria pauciflora)	SOFL	4	10/6/17			David Bender (Mark Salvato co- lead)	
	Е	Florida prairie-clover (Dalea carthagenesis var floridana)	SOFL	4	10/6/17			David Bender (Mark Salvato co- lead)	
5	ECH	Florida semaphore-cactus (Consolea corallicola)	SOFL	4	10/24/13			David Bender	ļ
5	Е	Florida ziziphus (Ziziphus celata)	SOFL	4	7/27/89	5/18/99	8/27/09	David Bender	
11*	Е	Four-petal pawpaw (Asimina tetramera)	SOFL	4	9/26/86	5/18/99	4/6/09	David Bender]
3	Е	Fragrant prickly-apple (Cereus eriophorus var fragans)	SOFL	4	11/1/85	5/18/99	6/24/10	David Bender	
8	T	Garber's spurge (Chamaesyce garberi)	SOFL	4	7/18/85	5/18/99	9/6/07	David Bender	ļ
2c	Е	Garrett's mint (Dicerandra christmanii)	SOFL	4	11/1/85	5/18/99	9/30/09	David Bender	
2	Е	Highlands scrub hypericum (Hypericum cumulicola)	SOFL	4	1/21/87	5/18/99	9/25/08	David Bender	ł
6с	E	Key deer	SOFL	4	3/11/67	5/18/99	8/23/10	Brian Powell	l

Section	3c	E	Key Largo cotton mouse	SOFL	4	9/21/83	5/18/99	3/26/09	Sandra	l
Social Content									, and the second	
20	3c	Е	Key Largo woodrat	SOFL	4	9/21/83	5/18/99	3/21/18		
R	5c	Е	Key tree cactus (Pilosocereus robinii)	SOFL	4	7/19/84	5/18/99	8/27/10	David Bender	Ī
Social Color	2c	Е	Lakela's mint (Dicerandra immaculata)	SOFL	4	5/15/85	5/18/99	9/25/08	David Bender	1
Social Content Soci	8	Е	Lewton's polygala (Polygala lewtonii)	SOFL	4	4/27/93	5/18/99	8/5/10	David Bender	1
Fig. E Mismid tiple butterfly SOFL 4 44072	6c	Е	Lower Keys marsh rabbit	SOFL	4	6/21/90	5/18/99	9/21/07		
E	6с	E	Miami blue butterfly	SOFL	4	4/6/12			Mark Salvato	t
S										1
S	3		č	SOFL	4		5/18/99	9/30/09		1
14 T		T								ł
T		Т								1
15		Т			4				David Bender (Mark Salvato co-	
15	2	Е	Pygmy fringe tree (Chionanthus pygmagus)	SOFL	4	1/21/87	5/18/99	8/17/10	David Bender	1
S										i
EPCH Sand flax (Linim arcnicolar) SOFL 4 10/31/16 5/18/99 9/23/08 Mark Salvato										i
Sec. E						,,,,,				1
2 E Serub mint (Dicerandra fruescens) SOFL 4 11/185 5/18/99 8/60/99 David Bender	3с						5/18/99	9/23/08	Mark Salvato	Ì
2	2	Е	Scrub blazingstar (Liatris oblingerae)	SOFI.	4	7/27/89	5/18/99	8/16/10	David Bender	1
Sc E Short-leaved nosemary (Convaduae broughlas) SOFL 4 4/3091 5/18/99 8/8.08 David Bender			0 ,							1
Second Silver rice rat SOFL 4 4/3091 5/18/99 8/18/08 Sandra San										ł
Sec E			• • • • • • • •						Sandra	ı
Combertand Com		-	G 19 99 (G 1) 190)	gort.		5 /1 O /O 5	5 /1 O /OO	5/15/10	ŭ	
Stock Island tree snail SOFL 4 7/3/78 5/18/99 9/11/09 Shawn Christopherson	5c	Е	Small's milkpea (Galactia smallii)	SOFL	4	7/18/85	5/18/99	7/15/10	(Mark Salvato co-	
Christopherson Chri	2	Е	Snakeroot (Eryngium cuneifolium)	SOFL	4	1/21/87	5/18/99	7/7/10	David Bender	
E Wedge sprage (Chamarryce debudea sparryphim) SOFL 4 10/31/16 David Bender R4	3	Т	Stock Island tree snail	SOFL	4	7/3/78	5/18/99	9/11/09		
E Wireweed (Polygonella basiramia) SOFL 4 1/21/87 5/18/99 9/7/10 David Bender A-20	5c	Е	Tiny polygala (Polygala smallii)	SOFL	4	7/18/95	5/18/99	6/7/10	(Mark Salvato co-	
E Wireweed (Polygonella basiramia) SOFL 4 1/21/87 5/18/99 9/7/10 David Bender		Е	Wedge spurge (Chamaesyce deltoidea ssp.serpyllum)	SOFL	4	10/31/16			David Bender	R4
LEAD LEAD LEAD LEAD LISTING RECOVERY S-YEAR REVIEW RECOVERY FOR SPP	2	Е	Wireweed (Polygonella basiramia)	SOFL	4	1/21/87	5/18/99	9/7/10	David Bender	
Part				LEAD				5-YEAR REVIEW		11 20,1
9 T American hart's-tongue fern TN 5 7/14/89 9/15/93 10/31/13 Geoff Call 5 E (XN) Anthony's riversnail TN 4 4/15/94 8/13/97 2/8/18 Stephanie Chance 5 E (XN) Appalachian monkeyface pearlymussel TN 5 6/14/76 7/9/84 Stephanie Chance PE Barrens topminnow TN 4 6/14/76 7/9/84 8/19/11 Stephanie Chance 4c E (XN) Birdwing pearlymussel TN 4 6/14/76 7/9/84 8/19/11 Stephanie Chance 5 E Bluemask (=Jewel) darter TN 4 12/27/93 7/25/97 12/27/13 Todd Shaw 5 E (XN) Boulder darter TN 4 9/1/88 7/27/89 10/2/17 Todd Shaw 5 ECH Chucky madtom TN 4 9/8/11 8/16/18 Warren Stiles 4 E (XN) Cracking pearlymussel TN 4 9/28/89	RIORITY (RPN)	STATUS	SPECIES	FO	REG	DATE	PLAN DATE			
5 E (XN) Anthony's riversnail TN 4 4/15/94 8/13/97 2/8/18 Stephanie Chance 5 E (XN) Appalachian monkeyface pearlymussel TN 5 6/14/76 7/9/84 Stephanie Chance PE Barrens topminnow TN 4 Warren Stiles 4c E (XN) Birdwing pearlymussel TN 4 6/14/76 7/9/84 8/19/11 Stephanie Chance 5 E Bluemask (=Jewel) darter TN 4 12/27/93 7/25/97 12/27/13 Todd Shaw 5 E (XN) Boulder darter TN 4 9/1/88 7/27/89 10/2/17 Todd Shaw 5 E (XN) Boulder darter TN 4 9/1/88 7/27/89 10/2/17 Todd Shaw 5 E (XN) Chucky madtom TN 4 9/8/11 8/16/18 Warren Stiles 4 E (XN) Cracking pearlymussel TN 4 9/28/89 7/11/91 8/19/11 Stephanie Chance </td <td>ookeville, TN</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td>	ookeville, TN									-
5 E (XN) Appalachian monkeyface pearlymussel TN 5 6/14/76 7/9/84 Stephanie Chance PE Barrens topminnow TN 4]
PE Barrens topminnow TN 4 Warren Stiles 4c E(XN) Birdwing pearlymussel TN 4 6/14/76 7/9/84 8/19/11 Stephanie Chance 5 E Bluemask (=Jewel) darter TN 4 12/27/93 7/25/97 12/27/13 Todd Shaw 5 E(XN) Boulder darter TN 4 9/18/88 7/27/89 10/2/17 Todd Shaw 5 ECH Chucky madtom TN 4 9/8/11 8/16/18 Warren Stiles 4 E(XN) Cracking pearlymussel TN 4 9/28/89 7/11/91 8/19/11 Stephanie Chance 5 ECH Cumberland elktoe TN 4 1/10/97 5/24/04 7/16/15 Stephanie Chance 5 E Cumberland pigtoe mussel TN 4 5/7/91 8/13/92 8/24/15 Stephanie Chance 8 T Cumberland sandwort (Arenaria cumberlandensis) TN 4 6/23/88 6/20/96 12/23/13	5	E(XN)	Anthony's riversnail	TN	4	4/15/94	8/13/97	2/8/18	Stephanie Chance	1
4c E (XN) Birdwing pearlymussel TN 4 6/14/76 7/9/84 8/19/11 Stephanie Chance 5 E Bluemask (=Jewel) darter TN 4 12/27/93 7/25/97 12/27/13 Todd Shaw 5 E (XN) Boulder darter TN 4 9/1/88 7/27/89 10/2/17 Todd Shaw 5 ECH Chucky madtom TN 4 9/8/11 8/16/18 Warren Stiles 4 E (XN) Cracking pearlymussel TN 4 9/28/89 7/11/91 8/19/11 Stephanie Chance 5 ECH Cumberland elktoe TN 4 1/10/97 5/24/04 7/16/15 Stephanie Chance 5 E Cumberland pigtoe mussel TN 4 5/7/91 8/13/92 8/24/15 Stephanie Chance 8 T Cumberland sandwort (Arenaria cumberlandensis) TN 4 11/29/91 7/12/96 7/13/18 Geoff Call 5 ECH (XN) Cumberlandian combshell TN	5	E(XN)	Appalachian monkeyface pearlymussel	TN	5	6/14/76	7/9/84		Stephanie Chance	Ī
4c E (XN) Birdwing pearlymussel TN 4 6/14/76 7/9/84 8/19/11 Stephanie Chance 5 E Bluemask (=Jewel) darter TN 4 12/27/93 7/25/97 12/27/13 Todd Shaw 5 E (XN) Boulder darter TN 4 9/1/88 7/27/89 10/2/17 Todd Shaw 5 ECH Chucky madtom TN 4 9/8/11 8/16/18 Warren Stiles 4 E (XN) Cracking pearlymussel TN 4 9/28/89 7/11/91 8/19/11 Stephanie Chance 5 ECH Cumberland elktoe TN 4 1/10/97 5/24/04 7/16/15 Stephanie Chance 5 E Cumberland pigtoe mussel TN 4 5/7/91 8/13/92 8/24/15 Stephanie Chance 8 T Cumberland sandwort (Arenaria cumberlandensis) TN 4 11/29/91 7/12/96 7/13/18 Geoff Call 5 ECH (XN) Cumberlandian combshell TN		PE	Barrens topminnow	TN	4				Warren Stiles	1
5 E Bluemask (=Jewel) darter TN 4 12/27/93 7/25/97 12/27/13 Todd Shaw 5 E(XN) Boulder darter TN 4 9/1/88 7/27/89 10/2/17 Todd Shaw 5 ECH Chucky madtom TN 4 9/8/11 8/16/18 Warren Stiles 4 E(XN) Cracking pearlymussel TN 4 9/28/89 7/11/91 8/19/11 Stephanie Chance 5 ECH Cumberland elktoe TN 4 1/10/97 5/24/04 7/16/15 Stephanie Chance 5 E Cumberland pigtoe mussel TN 4 5/7/91 8/13/92 8/24/15 Stephanie Chance 8 T Cumberland sondwort (Arenaria cumberlandensis) TN 4 11/29/91 7/12/96 7/13/18 Geoff Call 8 E Cumberland sandwort (Arenaria cumberlandensis) TN 4 6/23/88 6/20/96 12/23/13 Geoff Call 5 ECH (XN) Cumberlandian combshell	10		1			6/14/76	7/0/94	8/10/11		1
5 E (XN) Boulder darter TN 4 9/1/88 7/27/89 10/2/17 Todd Shaw 5 ECH Chucky madtom TN 4 9/8/11 8/16/18 Warren Stiles 4 E (XN) Cracking pearlymussel TN 4 9/28/89 7/11/91 8/19/11 Stephanie Chance 5 ECH Cumberland elktoe TN 4 1/10/97 5/24/04 7/16/15 Stephanie Chance 5 E Cumberland pigtoe mussel TN 4 5/7/91 8/13/92 8/24/15 Stephanie Chance 8 T Cumberland sometry (Conradina verticillata) TN 4 11/29/91 7/12/96 7/13/18 Geoff Call 8 E Cumberland sandwort (Arenaria cumberlandensis) TN 4 6/23/88 6/20/96 12/23/13 Geoff Call 5 ECH (XN) Cumberlandian combshell TN 4 1/10/97 5/24/04 9/19/07 Stephanie Chance		` '	0.1						*	
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5 E Cumberland pigtoe mussel TN 4 5/7/91 8/13/92 8/24/15 Stephanie Chance 8 T Cumberland rosemary (Conradina verticillata) TN 4 11/29/91 7/12/96 7/13/18 Geoff Call 8 E Cumberland sandwort (Arenaria cumberlandensis) TN 4 6/23/88 6/20/96 12/23/13 Geoff Call 5 ECH (XN) Cumberlandian combshell TN 4 1/10/97 5/24/04 9/19/07 Stephanie Chance		` ′	0. ,							
8 T Cumberland rosemary (Conradina verticillata) TN 4 11/29/91 7/12/96 7/13/18 Geoff Call 8 E Cumberland sandwort (Arenaria cumberlandensis) TN 4 6/23/88 6/20/96 12/23/13 Geoff Call 5 ECH (XN) Cumberlandian combshell TN 4 1/10/97 5/24/04 9/19/07 Stephanie Chance		ECH	Cumberland elktoe	TN					Stephanie Chance	
8 E Cumberland sandwort (Arenaria cumberlandensis) TN 4 6/23/88 6/20/96 12/23/13 Geoff Call 5 ECH (XN) Cumberlandian combshell TN 4 1/10/97 5/24/04 9/19/07 Stephanie Chance	5	Е	Cumberland pigtoe mussel	TN	4	5/7/91	8/13/92	8/24/15	Stephanie Chance	
8 E Cumberland sandwort (Arenaria cumberlandensis) TN 4 6/23/88 6/20/96 12/23/13 Geoff Call 5 ECH (XN) Cumberlandian combshell TN 4 1/10/97 5/24/04 9/19/07 Stephanie Chance	8	T	Cumberland rosemary (Conradina verticillata)	TN	4	11/29/91	7/12/96	7/13/18	Geoff Call	1
5 ECH (XN) Cumberlandian combshell TN 4 1/10/97 5/24/04 9/19/07 Stephanie Chance										1
										1
4c E (XN) Dromedary pearlymussel TN 4 6/14/76 7/9/84 8/19/11 Stephanie Chance	3	ECH (XN)	Cumberiandian combshell	IN	4	1/10/97	5/24/04	9/19/07/	Stephanie Chance	Ī
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Fluted kidneyshell Green-blossom pearlymussel Large-flowered skullcap (Scutellaria montana) Laurel dace Leafy prairie clover (Dalea foliosa) Nashville crayfish Oyster mussel Painted snake coiled forest snail Pygmy madtom Pyne's ground-plum (Astragalus bibullatus) Royal marstonia (snail)	TN T	4 4 4 4 4 4 4 4 4	10/28/13 6/14/76 6/20/86 9/8/11 5/1/91 9/26/86 1/10/97 8/2/78 4/27/93	7/9/84 5/15/96 10/5/16 9/30/96 2/8/89 5/24/04 10/14/82 9/27/94	9/1/17 1/8/15 6/4/15 2/7/17 7/12/11 7/29/16	Stephanie Chance Stephanie Chance Geoff Call Warren Stiles Geoff Call Steve Alexander Stephanie Chance Geoff Call	
Large-flowered skullcap (Scutellaria montana) Laurel dace Leafy prairie clover (Dalea foliosa) Nashville crayfish Oyster mussel Painted snake coiled forest snail Pygmy madtom Pyne's ground-plum (Astragalus bibullatus)	TN	4 4 4 4 4 4	6/20/86 9/8/11 5/1/91 9/26/86 1/10/97 8/2/78	5/15/96 10/5/16 9/30/96 2/8/89 5/24/04 10/14/82	1/8/15 6/4/15 2/7/17 7/12/11 7/29/16	Geoff Call Warren Stiles Geoff Call Steve Alexander Stephanie Chance	
Laurel dace Leafy prairie clover (Dalea foliosa) Nashville crayfish Oyster mussel Painted snake coiled forest snail Pygmy madtom Pyne's ground-plum (Astragalus bibullatus)	TN TN TN TN TN TN TN TN TN	4 4 4 4 4	9/8/11 5/1/91 9/26/86 1/10/97 8/2/78	10/5/16 9/30/96 2/8/89 5/24/04 10/14/82	6/4/15 2/7/17 7/12/11 7/29/16	Warren Stiles Geoff Call Steve Alexander Stephanie Chance	
Leafy prairie clover (Dalea foliosa) Nashville crayfish Oyster mussel Painted snake coiled forest snail Pygmy madtom Pyne's ground-plum (Astragalus bibullatus)	TN TN TN TN TN TN TN	4 4 4 4	5/1/91 9/26/86 1/10/97 8/2/78	9/30/96 2/8/89 5/24/04 10/14/82	2/7/17 7/12/11 7/29/16	Geoff Call Steve Alexander Stephanie Chance	
Nashville crayfish Oyster mussel Painted snake coiled forest snail Pygmy madtom Pyne's ground-plum (Astragalus bibullatus)	TN TN TN TN TN TN	4 4 4	9/26/86 1/10/97 8/2/78	2/8/89 5/24/04 10/14/82	2/7/17 7/12/11 7/29/16	Steve Alexander Stephanie Chance	
Oyster mussel Painted snake coiled forest snail Pygmy madtom Pyne's ground-plum (Astragalus bibullatus)	TN TN TN TN TN	4 4 4	1/10/97	5/24/04 10/14/82	7/12/11 7/29/16	Stephanie Chance	
Painted snake coiled forest snail Pygmy madtom Pyne's ground-plum (Astragalus bibullatus)	TN TN TN	4	8/2/78	10/14/82	7/29/16	1	
Pygmy madtom Pyne's ground-plum (Astragalus bibullatus)	TN TN	4				Geoff Call	
Pyne's ground-plum (Astragalus bibullatus)	TN		4/27/93	9/27/94			
		4			7/3/18	Warren Stiles	
Royal marstonia (snail)	TNI		9/26/91	7/20/11	10/20/11	Geoff Call	
	IIN	4	4/15/94	8/11/95	12/1/11	Stephanie Chance	
Ruth's golden aster (Pityopsis ruthii)	TN	4	7/18/95	6/11/92	9/19/18	Geoff Call	
Short's bladderpod (<i>Physaria globosa</i>)	TN	4	8/1/14		10/30/17	Geoff Call	
Slabside pearlymussel	TN	4	9/26/13			Stephanie Chance	
Slender chub	TN	4	9/9/77	7/29/83	3/19/14	Warren Stiles	
Smoky madtom	TN	4	10/26/84	8/9/85	2/8/12	Warren Stiles	
Snail darter	TN	4	10/9/75	5/5/83	3/18/13	Stephanie Chance	oposed.
Spring Creek bladderpod (Lesquerella perforata)	TN	4	12/23/96	8/24/06	10/19/11	Geoff Call	
Tennessese purple coneflower (under PDM)	TN	4	8/13/11			Geoff Call De	elisted
Tubercled-blossom pearlymussel	TN	4	6/14/76	1/25/85	9/1/17	Stephanie Chance	-1
Turgid-blossom pearlymussel	TN	4	6/14/76	1/25/85	9/1/17	Stephanie Chance R4	
	TN	4	9/13/16			Geoff Call A-2	-27:P-10
White fringeless orchid	TN	4	6/14/76	1/25/85	9/1/17	Stephanie Chance Otl	ther
White fringeless orchid Yellow-blossom pearlymussel		4	9/9/77	6/23/83	2/28/12	Warren Stiles	
	Turgid-blossom pearlymussel White fringeless orchid	Turgid-blossom pearlymussel TN White fringeless orchid TN	Turgid-blossom pearlymussel TN 4 White fringeless orchid TN 4 Yellow-blossom pearlymussel TN 4	Turgid-blossom pearlymussel TN 4 6/14/76 White fringeless orchid TN 4 9/13/16 Yellow-blossom pearlymussel TN 4 6/14/76	Turgid-blossom pearlymussel TN 4 6/14/76 1/25/85 White fringeless orchid TN 4 9/13/16 Yellow-blossom pearlymussel TN 4 6/14/76 1/25/85	Turgid-blossom pearlymussel TN 4 6/14/76 1/25/85 9/1/17 White fringeless orchid TN 4 9/13/16 Yellow-blossom pearlymussel TN 4 6/14/76 1/25/85 9/1/17	Turgid-blossom pearlymussel TN 4 6/14/76 1/25/85 9/1/17 Stephanie Chance White fringeless orchid TN 4 9/13/16 Geoff Call Yellow-blossom pearlymussel TN 4 6/14/76 1/25/85 9/1/17 Stephanie Chance Otto

Lead Field Office:

Asheville, NC [ASNC] (828/258-3939)

Athens, GA [GA] (706/613-9493)

Boquerón, PR [PR] (787/851-7297)

Charleston, SC [SC] (843/727-4707)

Conway, AR [AR] (501/513-4470)

Cookeville, TN [TN] (931/528-6481)

Daphne, AL [AL] (251/441-5181)

Frankfort, KY [KY] (502/695-0468)

Jackson, MS [MS] (601/965-900)

Jacksonville, FL [JAFL] (904/731-3336)

Lafayette, LA [LA] (337/291-3100)

Panama City, FL [PCFL] (850/769-0552)

Raleigh, NC [RANC] (919/856-4520)

Vero Beach, FL [SOFL] (772/562-3909)

Regional Recovery Coordinator (404/679-7132)

E-endangered
T=threatened
CH=critical habitat
PCH=proposed critical habitat
XN=experimental nonessential population designation
draft=technical/agency or agency draft available
Delisted=delisted species
ncn=no common name

Animals (Lead) = 212 Plants (Lead) = 172 Animals (Total) = 244 Plants (Total) = 180 Total = 424 Lead = 384