

SUPPLEMENTAL INFORMATION

**STATUS AND DISTRIBUTION OF THE GOPHER FROG
(*RANA CAPITO*) IN FLORIDA, USA**

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Table S1. Public or conservation lands in Florida with records of Gopher Frogs, including the number of breeding ponds identified before this study (i.e., pre-2006), the number of new ponds found during this study, and potential habitat in hectares. An X indicates that the species has been observed on the property, but that the location of the breeding pond is unknown. An asterisk (*) indicates the total potential habitat for the conservation land and includes the conservation land units below it, likewise indicated. CA = conservation area, CE = conservation easement, SF = state forest, SP = state park, WEA = wildlife and environmental area, WMA = wildlife management area.

Conservation land	Last year	Prior ponds	New ponds	Potential habitat	County
Al Bar Ranch	2003	X	0	913	Pasco
Allen David Broussard Catfish Creek Preserve SP	2018	0	9	1,216	Polk
Annutteliga Hammock	2014	0	2	475	Hernando
Apalachicola National Forest	2020	43	14	14,769	Leon, Liberty
Archbold Biological Station	2018	8	1	1,864	Highlands
Ashton Biological Preserve	2019	2	0	39	Alachua
Avon Park Air Force Range	2018	8	0	16,461	Highlands, Polk
Beker–Wingate Creek SP	1997	X	0	139	Manatee
Big Bend WMA–Spring Creek Unit	2019	2	4	2,381*	Taylor
Big Bend WMA–Tide Swamp Unit		X	0		Taylor
Blackwater River SF	2020	1	2	6,145	Okaloosa, Santa Rosa
Bluefield Ranch Preserve	2013	0	1	426	St. Lucie
Buck Lake Conservation Area	2012	0	2	953	Brevard
Camp Blanding Military Reservation	2018	24	8	11,163	Clay
Caravelle Ranch WMA	2015	0	1	213	Putnam
Cary SF	2018	0	2	79	Duval

Cedar Point Environmental Park	1991	X	0	0	Charlotte
Charles H. Bronson SF	2018	0	1	507	Orange
Chassahowitzka WMA	2018	7	8	3,180	Hernando
Chinsegut WEA	2017	1	0	194	Hernando
Chuluota Wilderness Area	2000	1	0	98	Seminole
Conner Preserve	2010	0	1	812	Pasco
Cypress Creek Natural Area	1960	X	0	168	Palm Beach
Cypress Lakes Preserve	2004	X	0	65	Hernando
Devil's Millhopper State Geological Site	1940	X	0	8.3	Alachua
Disney Wilderness Preserve	2014	0	2	2762	Osceola, Polk
Duette Preserve	2005	X	0	5,142	Manatee
Dunns Creek SP	2014	0	2	1,070	Putnam
Econfina Creek Water Manage. Area	1992	1	0	2,750	Bay, Washington
Eglin Air Force Base	2018	23	2	45,352	Walton, Okaloosa, Santa Rosa
Etoniah Creek SF	2018	0	5	1,849	Putnam
Faver-Dykes SP	2010	1	1	963	St. Johns
Fisheating Creek/Lykes Brothers CE	2000	1	0	4,005	Glades
Fort White WEA	2019	0	4	465	Gilchrist
Georgia-Pacific Lochloosa CE	2009	1	0	1,893	Alachua
Goethe SF	2020	1	10	5,264	Alachua, Levy
Green Swamp West Tract	2016	0	2	6,292	Pasco
Half Moon WMA	2014	0	2	804	Sumter
Halpata Tastanaki Preserve	2010	0	7	1,131	Marion
Harold Outlying Landing Field	1996	X	0	58	Santa Rosa
Helen and Allan Cruikshank Sanctuary	1991	X	0	45	Brevard

Herky Huffman/Bull Creek WMA	2016	0	4	4,985	Osceola
Highlands Hammock SP	2014	1	0	1,502	Highlands
Hilochee WMA	2015	X	0	579	Lake
Ichetucknee Springs SP	1982	X	0	1.6	Columbia
Jack Creek	1997	X	0	219	Polk
Jennings SF	2018	2	8	2,314	Clay
Jonathan Dickinson SP	2013	0	4	2,655	Martin
Juno Dunes Natural Area	1996	X	0	146	Palm Beach
Lake Kissimmee SP	2012	0	1	1,038	Polk
Lake Monroe CA	2020	0	1	308	Volusia
Lake Panasoffkee WMA	2018	0	2	562	Sumter
Lake Wales Ridge NWR	1991	X	0	433	Highlands
Lake Wales Ridge SF	2018	0	10	6,410	Polk
Lake Wales Ridge WEA	2017	X	3	3,753*	Highlands
Carter Creek Unit*	2012	0	1		Highlands
Henscratch 27*	2004	X	0		Highlands
Lake Placid Scrub*	2012	0	1		Highlands
McJunkin Unit	2005	X	0		Highlands
Sun N Lakes Sebring	2017	0	1		Highlands
Little Big Econ SF	2018	0	3	728	Seminole
Longleaf Flatwoods Reserve	2017	0	1	397	Alachua
Lower Wekiva River Preserve SP	1996	X	0	687	Lake
MacDill AFB	2012	X	0	33	Hillsborough
Malabar Scrub Sanctuary	1999	X	0	145	Brevard
Marjorie Harris Carr Cross Florida Greenway State Recreation and CA	2014	0	2	3,093	Marion

Merritt Island NWR	2016	1	3	8,192	Volusia
Mike Roess Gold Head Branch SP	2015	0	1	752	Clay
Moody Branch WEA	2015	X	0	244	Manatee
Myakka River SP	1983	X	0	5,982	Sarasota
Ocala National Forest	2020	11	74	33,038	Lake, Marion, Putnam
Ordway–Swisher Biological Station	2018	3	5	1,899	Putnam
Oscar Scherer SP	2016	0	2	308	Sarasota
Osceola National Forest	2009	0	1	43	Columbia
Paynes Prairie State Preserve	1960	X	0	2,885	Alachua
Pellicer Creek CA	2014	0	X	375	Flagler
Perry Oldenburg WEA	2004	X	0	120	Hernando
Phifer Flatwoods	2014	0	1	88	Alachua
Platt Branch WEA	2001	X	0	456	Highlands
Port Orange City Forest	2000	1	0	110	Volusia
Putnam Lakes Preserve	2020	0	4	278	Putnam
Rainbow Springs SP	2006	1	1	234	Marion
Ralph E. Simmons SF	2020	0	X	43	Nassau
Rock Springs Run State Reserve	2020	0	12	1,863	Lake, Orange
Rodman Bomb Target	1996	1	0	53	Putnam
Ross Prairie SF	2010	0	2	1,089	Marion
Salt Lake WMA	2019	0	X	544	Brevard
San Felasco Hammock Preserve SP	1993	X	0	209	Alachua
Santa Rosa Outlying Landing Field	1997	1	0	60	Santa Rosa
Seminole SF	2019	0	19	5,377	Lake
Silver Springs SP	2012	0	X	208	Marion

Split Oak Forest WEA	2002	1	0	400	Orange, Osceola
St. Marks NWR	1979	X	0	4,124	Wakulla
St. Sebastian River Preserve SP	2018	0	9	4,592	Brevard, Indian River
Starkey Wilderness Park	2018	1	2	2,138	Pasco
Three Lakes WMA	2012	0	2?	7,199	Osceola
Tiger Creek Preserve	2014	X	0	849	Polk
Triple N Ranch WMA	2017	0	9	2,576	Osceola
Twin Rivers SF	2015	0	X	21	Madison
Upper Lakes Basin Watershed	1998	X	0	382	Polk
USF Ecological Research Area	1982	X	0	23	Hillsborough
Watermelon Pond–Gladman Tract	2013	0	1	178	Alachua
Watermelon Pond–Metzger Tract	2014	0	1	56	Alachua
Watermelon Pond WEA	2014	1	0	222	Alachua
Welaka SF	2018	0	2	383	Putnam
Well Field Scrub-jay Habitat	2013	1	0	309	Manatee
Withlacoochee SF	2018	10	7	17,581	Citrus, Hernando, Sumter
Woods Ferry CA	1992	X	0	157	Suwannee
Total		161	288	277,464	

Table S2. Number of unique ponds dip netted, 2006–2020, on 107 conservation land units and 22 private lands, and the number of ponds in which Gopher Frog tadpoles were found (the number of ponds previously known is followed in parentheses by the number of ponds discovered). An asterisk indicates a conservation land where Gopher Frogs were documented for the first time. CA = conservation area, CE = conservation easement, NWR = national wildlife refuge, SF = state forest, SP = state park, WEA = wildlife and environmental area, WMA = wildlife management area.

Conservation land	No. ponds surveyed	Occupied ponds	Counties
Allen David Broussard Catfish Creek Preserve SP	17	(8)	Polk
Annutteliga Hammock*	3	(2)	Hernando
Apalachicola National Forest	60	24 (10)	Leon, Liberty, Wakulla
Archbold Biological Station	14	2	Highlands
Avon Park Air Force Range	6	2	Highlands, Polk
Bell Creek Preserve	1	0	Hillsborough
Big Bend WMA–Spring Creek Unit	20	(3)	Taylor
Big Bend WMA–Tide Swamp Unit	3	0	Taylor
Blackwater River SF	4	(2)	Santa Rosa
Bluefield Ranch Preserve	5	(1)	St. Lucie
Buck Lake CA	4	(2)	Brevard
Bullfrog Creek Mitigation Park WEA	1	0	Hillsborough
Camp Blanding Military Reservation	41	11 (8)	Clay
Caravelle Ranch WMA	8	0	Putnam
Cary SF*	10	(2)	Duval
Cedar Key Scrub Preserve SP	6	0	Levy
Charles H. Bronson SF*	2	(1)	Orange

Chassahowitzka WMA	17	6 (8)	Hernando
Chuluota Wilderness Area	2	0	Seminole
Conner Preserve*	10	(1)	Pasco
Crooked Lake Prairie	1	0	Polk
Disney Wilderness Preserve	8	(2)	Osceola, Polk
Duette Preserve	3	0	Manatee
Dunns Creek SP	9	(2)	Putnam
Econfina Creek Water Management Area	10	0	Bay, Washington
Eglin Air Force Base	21	14 (1)	Walton, Okaloosa, Santa Rosa
Etoniah Creek SF	22	(4)	Putnam
Faver-Dykes SP	13	(1)	St. Johns
Fisheating Creek/Lykes Brothers CE	2	0	Glades
Fort White Mitigation Park WEA	14	(4)	Gilchrist
Geneva Wilderness Area	1	0	Seminole
Georgia Pacific–Lochloosa CE	9	0	Alachua
Geraldine Livingston Foundation CE	15	0	Jefferson
Goethe SF	54	(11)	Alachua, Levy
Golden Aster Scrub	1	0	Hillsborough
Green Swamp West	13	(2)	Pasco
Guana River WMA	18	0	St. Johns
Half Moon WMA	28	(2)	Sumter
Halpata Tastanaki Preserve	12	(7)	Marion
Helen and Allan Cruikshank Sanctuary	1	0	Brevard
Herky Huffman/Bull Creek WMA*	16	(5)	Osceola
Hilochee WMA	9	0	Lake

Holton Creek CA	1	0	Hamilton
Indian Lake SF	2	0	Marion
Jennings SF	29	2 (7)	Clay
Jonathan Dickinson SP	7	(3)	Martin
Julington-Durbin Preserve	3	0	Duval
Kissimmee Prairie Preserve SP	4	0	Okeechobee
Lake Kissimmee SP	4	(1)	Polk
Lake Louisa SP	4	0	Lake
Lake Panasoffkee WMA	10	(2)	Sumter
Lake Proctor Wilderness Area	7	0	Seminole
Lake Wales Ridge SF	3	0	Polk
Lake Wales Ridge SF–Arbuckle Tract	9	(3)	Polk
Lake Wales Ridge SF–Hesperides Tract*	2	(2)	Polk
Lake Wales Ridge SF–Walk-in-the-Water Tract	18	(5)	Polk
Lake Wales Ridge WEA–Carter Creek Unit*	3	(1)	Highlands
Lake Wales Ridge WEA–Lake Placid Scrub*	4	(1)	Highlands
Lake Wales Ridge WEA–McJunkin Unit	1	0	Highlands
Lake Wales Ridge WEA–Royce Unit	3	0	Highlands
Lake Wales Ridge WEA–Silver Lake Unit	3	0	Highlands
Lake Wales Ridge WEA–Sun N Lakes Sebring	2	(1)	Highlands
Lake Wales Ridge WEA–Sunray Unit	1	0	Polk
Little Big Econ SF*	6	(3)	Seminole
Little River CA	2	0	Suwannee
Longleaf Flatwoods Reserve*	5	(1)	Alachua
Lower Suwannee NWR	2	0	Dixie

MacDill Air Force Base	1	0	Pinellas
Marjorie Harris Carr Cross Florida Greenway State Recreation and CA	4	(2)	Marion, Putnam
Merritt Island NWR	5	1 (3)	Volusia
Mike Roess Gold Head Branch SP	2	1	Clay
Moody Branch Mitigation Park WEA	1	0	Manatee
Morningside Nature Center	9?	0	Alachua
Ocala National Forest	339	4 (81)	Lake, Marion, Putnam
Ordway–Swisher Biological Station	16	2 (5)	Putnam
Oscar Scherer SP	2	(2)	Sarasota
Osceola National Forest	2	(1)	Columbia
Paynes Prairie Preserve SP	1	0	Alachua
Pellicer Creek CA	2	0	Flagler
Pinckney Hill Plantation CE	6	0	Jefferson
Pine Log SF	2	0	Bay, Washington
Platt Branch Mitigation Park WEA	3	0	Highlands
Point Washington SF	1	0	Walton
Pumpkin Hill Creek Preserve SP	14	0	Duval
Putnam Lakes Preserve*	6	(4)	Putnam
Railhead Scrub Preserve	2	0	Collier
Rainbow Springs SP	2	1	Marion
Rhodine Scrub	2	0	Hillsborough
Rock Springs Run State Reserve	20	(12)	Lake, Orange
Ross Prairie SF	4	(2)	Marion
St. Marks NWR	46	0	Wakulla
St. Sebastian River Preserve SP	15	(9)	Brevard, Indian River

San Felasco Hammock Preserve SP	1	0	Alachua
Savage Christmas Creek Preserve	2	0	Orange
Seminole SF	57	(18)	Lake
Split Oak Forest WEA	3	0	Orange, Osceola
Starkey Wilderness Park	11	1 (1)	Pasco
SUMICA	1	0	Polk
Suwannee Ridge Mitigation Park WEA	3	0	Hamilton
Tate's Hell SF	1	0	Franklin
Three Lakes WMA	11	(2)	Osceola
Triple N Ranch WMA*	24	(10)	Osceola
Twin Rivers State Forest	1	0	Hamilton
University of Central Florida	2	0	Orange
Watermelon Pond–Gladman Tract	1	(1)	Alachua
Watermelon Pond–Metzger Tract	1	(1)	Alachua
Watermelon Pond WEA	3	0	Alachua
Wekiwa Springs SP	3	0	Orange
Welaka SF	8	(2)	Putnam
Well Field Scrub-jay Habitat	1	(1)	Manatee
Withlacoochee SF–Citrus Tract	3	(1)	Citrus
Withlacoochee SF–Croom Tract	12	2 (6)	Hernando, Sumter
Woods Ferry CA	1	0	Suwannee
Private land	2	0	Alachua
Private land	2	(1)	Calhoun
Private land	1	(1)	Gilchrist
Private land	1	0	Hardee

Private land	2	0	Hernando
Private land	3	(2)	Highlands
Private land	2	0	Jackson
Private land	3	0	Levy
Private land	2	0	Manatee
Private land	2	(1)	Marion
Private land	2	1	Suwannee
Private land	1	0	Taylor
Total	1,330	80 (288)	

Table S3. The number of historical (pre-1990) and recent (1990–2020) records and the amount of potential habitat (ha) for Gopher Frogs in each Florida county.

County	Historical	Recent	Potential habitat
Panhandle			
Bay	0	0	15,348
Calhoun	2	2	9,072
Escambia	0	0	11,446
Franklin	1	0	9,662
Gadsden	0	0	9,564
Gulf	1	0	7,517
Holmes	0	0	13,928
Jackson	0	1	29,059
Jefferson	1	0	15,337
Leon	3	55	32,923
Liberty	0	4	4,874
Okaloosa	0	19	40,963
Santa Rosa	1	5	22,064
Wakulla	1	1	13,394
Walton	0	5	32,097
Washington	0	1	25,503
Northern Peninsula			
Alachua	21	13	25,141
Baker	1	1	668
Bradford	1	0	1,157
Citrus	2	15	32,630

Clay	0	68	30,303
Columbia	1	1	7,914
Dixie	0	0	6,493
Duval	7	2	8,151
Flagler	0	1	4,859
Gilchrist	0	8	9,018
Hamilton	0	1	9,891
Hernando	1	41	31,116
Lafayette	0	0	5,560
Lake	5	48	88,712
Levy	3	18	24,446
Madison	0	2	17,933
Marion	24	92	72,882
Nassau	2	1	4,256
Orange	2	6	42,476
Putnam	8	25	41,301
St. Johns	0	2	11,961
Seminole	2	2	20,959
Sumter	0	7	24,407
Suwannee	1	2	9,676
Taylor	1	9	25,377
Union	0	0	502
Volusia	1	5	40,994
Southern Peninsula			
Brevard	1	10	47,223

Broward	0	0	2,188
Charlotte	0	1	17,512
Collier	1	0	736
DeSoto	2	0	14,000
Glades	1	2	19,694
Hardee	0	16	17,672
Hendry	0	0	725
Highlands	9	61	45,921
Hillsborough	3	0	44,668
Indian River	1	5	9,040
Lee	0	0	6,905
Manatee	2	5	29,587
Martin	0	5	22,173
Miami–Dade	0	0	6,117
Monroe	0	0	0
Okeechobee	2	0	14,343
Osceola	0	20	48,507
Palm Beach	5	1	19,493
Pasco	1	12	57,067
Pinellas	3	2	3,097
Polk	8	33	123,866
St. Lucie	0	4	11,423
Sarasota	4	3	16,262
Total	136	643	1,469,753
