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Mammals												
Florida salt marsh vole <i>Microtus pennsylvanicus dukecampbelli</i>	E	Levy	Saltgrass meadows adjacent to black needlerush in Levy County.	642	Y		0	0	n/a	0	0	
Florida panther <i>Puma (=Felis) concolor coryi</i>	E	Polk	Extensive blocks of forestland and wetlands, including hardwood hammocks, pine flatwoods, cypress swamps, seasonally flooded prairies, freshwater marshes, and some agricultural lands.	all 300, 400, and 600	Y		2995		n/a	0	0	
Puma <i>Puma (=Felis) concolor</i> (all subspecies except <i>coryi</i>)	T/SA	Polk										
West Indian (Florida) manatee <i>Trichechus manatus latirostris</i>	E/CH	Levy, Citrus, Hernando, Hillsborough, Pinellas	Shallow fresh, brackish and marine waters along coastal Florida.		Y	Common Corridor - L; CREC substation - P; CREC to Citrus line - P	0		n/a	0	Adjacent to CREC substation	
Birds												
Florida grasshopper sparrow <i>Ammodramus savannarum floridanus</i>	E	Polk (FWS consultation area includes Hillsborough)	Dry prairies of central and south Florida; no known populations occur north of Avon Park Air Force Range in south Polk County	310, 320, 321, 330, 212	Y-Project within FWS consultation area, but outside current		0.6		n/a	0	0	

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			(2-3). Two occurrences in TLWM and KPWPSP		geographic distribution							
Florida scrub jay <i>Aphelocoma coerulescens</i>	T	Levy, Citrus, Marion, Sumter, Lake, Hernando, Pinellas, Hillsborough, Polk	Fire dominated, low- growing oak scrub.	412, 413, 421, 432	Y	Citrus substation - L; common corridor (south) - L; CREC substation - L; CREC to citrus substation - L	0		n/a	0	On and adjacent to CS-CFS	Citrus substation - occurrence; common corridor (S)- occurrence; CREC substation - occurrence; CREC to citrus line - occurrence
Ivory-billed woodpecker <i>Campephilus principalis</i>	E	Polk	Large, contiguous forest stands with numerous large trees and abundant woody debris, including bottomland hardwoods. Bald cypress interspersed with pine forest was important habitat in Florida.			Believed extirpated from central Florida						
Piping plover <i>Charadrius melodus</i>	T	Pinellas, Hillsborough	Tidal mudflats.	651	Y		0		n/a	0	0	
Whooping Crane <i>Grus americana</i>	XN	Polk	Shallow freshwater marsh, salt marsh, lake edges, open grass prairie, pastureland			Y - experiment al population - not addressed in BA				0	0	

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Wood stork <i>Mycteria americana</i>	E	Levy, Citrus, Marion, Sumter, Lake, Hernando, Pinellas, Hillsborough, Polk	Cypress stands and domes, mixed hardwood swamps, freshwater marsh, tidal creeks, ponds and ditches. Nesting colonies form in Feb and March	560, all 600 series	Y	CFS Substation - L	2001.5		n/a	LNP	CS-CREC; Adjacent to PCP	
Red-cockaded woodpecker <i>Picoides borealis</i>	E	Levy, Citrus, Marion, Sumter, Lake, Hernando, Pinellas, Hillsborough, Polk	Mature longleaf pine and slash pine forests with open understories.	411, 412, 415, 413	Y	Common corridor - L	3		n/a		0	
Audubon's crested caracara <i>Polyborus plancus audubonii</i>	T	Polk	Wet and dry prairies with scattered cabbage palm, lightly wooded areas and improved pastures.	641, 643, 310, 320, 330, 321, 211, 212, 213	Y - Project within FWS consultation area, but outside current geographic distribution		38.4		n/a	0	0	
Everglade snail kite <i>Rostrhamus sociabilis plumbeus</i>	E	Marion, Sumter, Lake, Polk	Large, shallow, freshwater marshes and lakes supporting its principal prey, the apple snail. Current range is limited to the Upper St. Johns drainage, Kissimmee Valley, Lake Okeechobee, Loxahatchee Slough, the Everglades, and the Big Cypress basin (FWS 2007)	520, 641	Y - Project within FWS consultation area, but outside current geographic distribution		23.5		n/a	0	0	

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Reptiles												
American alligator <i>Alligator mississippiensis</i>	T/SA	Polk			Y							
Eastern indigo snake <i>Drymarchon corais couperi</i>	T	Levy, Citrus, Marion, Sumter, Lake, Hernando, Pinellas, Hillsborough	Broad range of habitats including scrub, sandhill, pine flatwoods, scrubby flatwoods, dry prairie, wet prairie, freshwater marsh edges, agricultural fields and human altered habitats; often commensal with gopher tortoises.	413, 421, 412, 411, 432, 310, 320, 321, 643, 641, 214, 215	Y	CFS Substation - L/P; Citrus substation - L/P; common corridor (N and S) - L/P; CREC substation - L/P; CREC to citrus line - L	41.4		n/a	0	CS-CFS; CS-CREC; PCP;	Kathleen substation - occurrence; Citrus substation - occurrence; Common corridor - occurrence; CREC substation - occurrence; CREC to Citrus line - occurrence
Bluetail mole skink <i>Eumeces egregius lividus</i>	T	Polk	Well drained, sandy uplands, including rosemary, oak and sand pine scrub; occasional in turkey oak barrens, sandhill and xeric hammock. Polk, Highlands and western Osceola Cos. Lake Wales Ridge endemic	413, 421	Y-Within FWS consultation area, but outside current geographic distribution		0		n/a	0	0	

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Sand skink <i>Neoseps reynoldsi</i>	T	Marion, Lake, Polk	Rosemary scrub, sand pine and oak scrubs, scrubby flatwoods, turkey oak ridges within scrub, citrus groves occupying former scrub. Mt. Dora Ridge, Lake Wales Ridge, Winter Haven Ridge endemic (FWS 2009)	413, 421, 423, 432	Y - Within FWS consultation area, but outside current geographic distribution		0		n/a	0	0	
Fishes												
Gulf sturgeon <i>Acipenser oxyrinchus desotoi</i>	T	Levy	Anadromous fish that inhabits coastal waters of the Gulf of Mexico and spawns in freshwater rivers and streams.	540, 510	Y	citrus substation - P; common corridor (N and S) - P; CREC substation - P; CREC to citrus line - P	0		n/a	0		
Plants												
Florida bonamia <i>Bonamia grandiflora</i>	T	Marion, Lake, Polk (also noted for Hillsborough Co)	Openings or disturbed areas in white sand scrub and sand pine and sandhill habitats throughout peninsular Florida; distribution widespread includes Polk, Lake, eastern Marion, and Hillborough Cos(FWS 2005). Also found along roadsides, rights-of-way, clear-cuts, and other areas free of trees and	421, 413, 412, 432	Y	CFS Substation - P	0		May-Aug; identifiable by leaves & vines year-round.			

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			shrubs. Surveys should include both within row and adjacent cleared areas. (FNAI2000; FWS 2008; FWS 2005)									
Brookville bellflower <i>Campanula robinsiae</i>	E	Hernando (Recently documented in Hillsborough Co)	Wet prairie, and edges of ponds and marshes, often near pastureland in Hernando Co; recently recorded at Hillsborough River State Park in Hillsborough Co. No FLUCFCS in Hernando Co. 46 acres in Hillsborough. Endemic to Brookville Ridge. (FNAI 2000; FWS 2010; FWS 2005)	643, 520, 641, 653, 644	Y		37.8		Jan-May, depending upon pond water levels; optimal - March to April.	0	0	
Pygmy fringe tree <i>Chionanthus pygmaeus</i>	E	Lake, Polk	Scrub, sandhill, scrubby flatwoods and xeric hammock. Endemic to the Central Florida Ridge areas including Lake Wales Ridge, Winter Haven Ridge and Mt Dora Ridge . Populations known from west of Lake Apopka in Lake Co and along the Lake Wales Ridge in Polk Co. For Lake Co FLUCFCS in the ROW include: 211, 212, 260,	413, 421, 412, 432, 427, 436	N – Outside known geographic range		0		Spring (March through early April); identifiable by leaves in summer and knobby twigs in winter.	0	0	

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			441, 641, 643, 814 – No suitable habitat in Lake Co. Polk Ct FLUCFCS in ROW: 641; 211; 643, 814, 621, 630, 330, 510, 434, 615, 530, 511, 110, 214, 320, 812, 631, 120, 534, 618, 617. The only suitable habitat is marginal (320). This species is dependent on a natural fire cycle and it is endemic to the Central Florida ridge area (FWS 2010; FNAI 2000; FWS 2005). Project falls outside the geographic area where it is known to occur. We found quartzipsaments soils in the ROW only in citrus county.									
Florida golden aster <i>Chrysopsis</i> (= <i>Heterotheca</i>) <i>floridana floridana</i>	E	Pinellas, Hillsborough	Open, well drained sandy areas within sand pine scrub; suitable areas along railroad and highway corridors.	413, 412, 421, 432	Y		0		Late summer- fall	0	0	
Pigeon wings <i>Clitoria fragrans</i>	T	Lake, Polk	Turkey oak barrens (oak-hickory scrub), scrub, and sandhill. Endemic to the Lake Wales, Winter Haven and Bombing Range Ridges. (FWS 2008; FNAI 2000;	413, 421, 412, 432	N – Outside known geographic range		0		May-June	0	0	

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Short-leaved rosemary <i>Conradina brevifolia</i>	E	Polk	White sand scrub and scrubby flatwoods in Polk and Highlands Cos. Lake Wales Ridge endemic.	413, 421, 412, 432	N – Outside known geographic range		0		Not defined; <i>C. etonia</i> flowers Sept - Oct; <i>C. glabra</i> from March- June.	0	0	
Avon Park harebells <i>Crotalaria avonensis</i>	E	Polk	Sparsely vegetated, xeric, white sand scrub in southeastern Polk Co and northwestern Highlands Co. Lake Wales Ridge endemic.	413, 421, 412, 432	N – Outside known geographic range		0		March-June; identifiable by fruits and leaves year- round.	0	0	
Longspurred mint <i>Dicerandra cornutissima</i>	E	Marion (Historically in Sumter Co)	Open areas in sand pine and oak scrub, as well as edges of road rights-of-way, in Marion Co. Historic records for Sumter Co, including 1988 FNAI record south of Marion Oaks along T-Line ROW. Could also occur along roadsides and other utility row. This species is presently known to occur in CS-CFS existing corridor in FLUCFCS 212. The habitats in the ROW near this occurrence are FLUCFCS 441 and 412.	413, 421, 412, 432	Y		0		September- October	0	On and adjacent to CS-CFS - both historical and observed by Golder figure 6 page 16 of the listed species map Central Florida South line	
Scrub mint <i>Dicerandra frutescens</i>	E	Polk Co records have been reclassified as <i>D. modesta</i>	Sand pine scrub and sandhill; Lake Wales Ridge endemic. Occurs only	413, 412, 421, 432	N – Outside known geographic range		0		Aug-Feb	0	0	

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in Highlands Co.												
Scrub buckwheat <i>Eriogonum longifolium</i> var. <i>gnaphalifolium</i>	T	Marion, Lake, Polk	Sandhill, mixed scrub, oak-hickory scrub, turkey oak barrens. Occurs on the Lake Wales Ridge from High-lands to Lake Cos, and the Mt Dora Ridge on the Ocala National Forest in eastern Marion Co. (FWS 2008; FNAI 2000; FWS 2005)	412, 413, 421, 432	N – Outside known geographic range	CFS Substation - P	0		May-Oct	0	0	
Highlands scrub hypericum <i>Hypericum cumulicola</i>	E	Polk	Open patches in white sand scrub and rosemary balds; occasionally scrubby flatwoods and oak scrub over yellow sands; Polk and Highlands counties. Lake Wales Ridge endemic. (FWS 2008; FNAI 2000)	413, 432, 421, 412	N – Outside known geographic range		0		June-Sept	0	0	
Cooley's water- willow <i>Justicia cooleyi</i>	E	Hernando (Also documented at one site in southern Sumter Co.)	Mesic hardwood hammocks underlain by limestone. Endemic to Brookville Ridge.	414, 423, 425, 431, 434, 438, 615, 617, 630	Y	CFS Substation - P; Citrus substation - P; common corridor (S) - P; CREC substation - P; CREC to citrus line - P	490		Aug-Dec	0	0	

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Scrub blazing star <i>Liatris ohlingerae</i>	E	Polk	Rosemary balds, scrubby flatwoods & disturbed scrub in Polk and Highlands counties. Lake Wales Ridge endemic. (FWS 2010; FNAI 2000)	413, 432, 421, 412	N – Outside known geographic range		0		June-Sept	0	0	
Scrub lupine <i>Lupinus aridorum</i>	E	Polk	Openings in sand pine and rosemary scrub. Endemic to southern Mt Dora Ridge (Orange & Osceola Cos.) and Winter Haven Ridge (Polk Co.). (FWS 2010; FNAI 2000)	413, 432, 421, 412	N – Outside known geographic range		0		March-May; identifiable by leaves year-round.	0	0	
Britton's beargrass <i>Nolina brittoniana</i>	E	Lake, Hernando, Polk (recently documented in eastern Marion, Pasco and Manatee COs)	Xeric, fire maintained scrub, sandhill, scrubby flatwoods, and xeric hammock. Documented on the Mt Dora Ridge (eastern Marion Co), Orlando Ridge (eastern Lake and western Orange Cos), Winter Haven Ridge (eastern Polk Co) and Lake Wales Ridge (eastern Polk, Highlands and northwestern Osceola Cos). (FWS 2010; FNAI 2000; FWS 2005)	413, 421, 412, 427, 432	Y		0		March-May; identifiable by fruits, leaves & growth habit year-round.	0	L-CS observed on the common route by golder in 2009 in citrus county figure 6 page 3 of 3 (FLUCCS 412)	
Papery whitlow-wort <i>Paronychia chartace</i>	T	Lake, Polk	Xeric uplands, including Florida rosemary scrub,	413, 432, 412, 421	N – Outside known geographic		0		Late summer & fall	0	0	

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(= <i>Nyachia</i>) <i>pulvinata</i>			scrubby flatwoods, and along firelanes and sandy roads. Documented on the Lake Wales, Mt Dora and Winter Haven Ridges. Also found on the ABS (Lake Wales Ridge). P.c.m on karst margins in two counties in the panhandle - not near the ROW p.c.c - Central Florida upland ridge endemic		range							
Lewton's polygala <i>Polygala lewtonii</i>	E	Marion, Lake, Polk	Oak scrub, sandhill; also found along roadsides and other open disturbed areas. Occurs on the Lake Wales Ridge and the Mt Dora Ridge (eastern Marion Co in the Ocala National Forest). Central Florida upland ridge endemic (FWS 2010; FNAI 2000)	421,412, 432, 413	N – Outside known geographic range	CFS Substation - P	0		Feb-April	0	0	
Wireweed <i>Polygonella basiramia</i>	E	Polk	Rosemary phase of sand pine scrub on white sands; Lake Wales, Winter Haven and Bombing Range Ridges. (FWS 2010)	413, 432, 421, 412	N – Outside known geographic range		0		Summer-fall	0	0	
Sandlace <i>Polygonella myriophylla</i>	E	Polk	Open, bare white or yellow sandy areas within scrub (including rosemary and oak	413, 421, 432, 412	N– Outside known geographic range		0		Flowers and fruits year- round, with most	0	0	

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			scrub) and scrubby flatwoods; on sandy roads and roadsides traversing shrub. Occurs on the Lake Wales, Mt Dora and Winter Haven Ridges. Central Florida upland ridge endemic. (FWS 2010; FNAI 2005)						flowering between April and Sept.			
Scrub plum <i>Prunus geniculata</i>	E	Lake, Polk	White and yellow sand xeric communities, including rosemary and oak scrub, scrubby flatwoods and sandhill. Lake Co occurrences are west and SW of Lake Apopka; Polk Co occurrences on and adjacent to Lake Wales Ridge. Central Florida upland ridge endemic (FWS 2009; FNAI 200; FWS 2005)	421, 432, 412, 413	N – Outside known geographic range		0		Jan-Feb, identifiable by fruits in March-May, and by leaves & twigs year-round.	0	0	
Wide-leaf warea <i>Warea amplexifolia</i>	E	Lake, Polk	Sandy openings within sandhill (with longleaf pine and wiregrass) and scrubby oak forests. Limited to the northern portions of the Lake Wales Ridge (FWS 2007; FWS 2005; FNAI 2000)	412, 432, 413, 421	N – Outside known geographic range	CFS Substation - P	0		Mid Aug – early Oct; identifiable by seedlings in April, and by mature leaves in spring and summer.	0	0	
Carter's mustard <i>Warea carteri</i>	E	Polk	Sandhill, scrubby flatwoods and scrub	412, 432, 413, 421	N – Outside known		0		Sept-Oct	0	0	

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			habitats along the Lake Wales Ridge; may occur along roadsides and other open disturbed areas. Northern most occurrence was Ferndale Ridge, adjacent to Lake Apopka in Lake Co. (FWS 2008; FNAI 2000)		geographic range							
Florida ziziphus <i>Ziziphus celata</i>	E	Polk	Oak-hickory scrub, scrubby flatwoods and sandhill on yellow sand; Polk and Highlands Counties. Lake Wales Ridge endemic. (FWS 2009; FNAI 2000)	412, 432, 413, 421	N – Outside known geographic range		0		Dec-Feb; identifiable by fruits May-June, and leaves & stems distinctive spring-fall.	0	0	

Sources for suitable habitat and flowering times: FNAI 2010 (Field guide to the Rare Plants and Animals of Florida, Online Version); Various FWS species 5-year reviews; Various FWS (North Florida Ecological Services Office) species accounts.
E= Federally endangered; T= Federally threatened; SA =Similarity of Appearance to a listed taxon; XN = Experimental Population, Non-Essential; CH = Critical Habitat.
LNP=LNP Site; CS-CFS= Citrus Substation to Central Florida South T-Line; CS-CREC=Citrus Substation to CREC T-Line; L-CS=LNP site to Citrus Substation Common Line; PHP=Polk-Hillsborough-Pinellas T-Line