

Match Sheet J

FIGURE LAND USE AND VEGETATION

CENTRAL FLORIDA-KA
500KV TRANSMISSION
FLORIDA POWER CORP

Proposed Corridor Boundary

LAND USE (Level I)

100 Urban or Built-up	500 Water
200 Agriculture	600 Wetland
300 Rangeland	700 Barren Land
400 Forested Upland	

VEGETATION COVER (Level III)

100 Urban or Built-up
211 Row Crops
212 Field Crops
213 Improved Pasture
221 Tropical Fruit Orchard
222 Deciduous Fruit Orchard
223 Nursery
230 Citrus Grove
231 Orange Grove
232 Grapefruit Grove
233 Other Citrus Grove
261 Inactive Agricultural Land
262 Other Agricultural Land
310 Grassland
323 Scrub and Brush
411 Pine Flatwood Forest
422 Hardwood Forest
431 Mixed Forest
441 Planted Forest-Coniferous
451 Clearcut Area
531 Reservoir
561 Pond
611 Wetland-Cypress Forest
621 Freshwater Swamp
631 Wetland-Mixed Forest
641 Freshwater Marsh
743 Spoil Bank
753 Extractive-Sand, Gravel, Clay
755 Abandoned Mining Operation

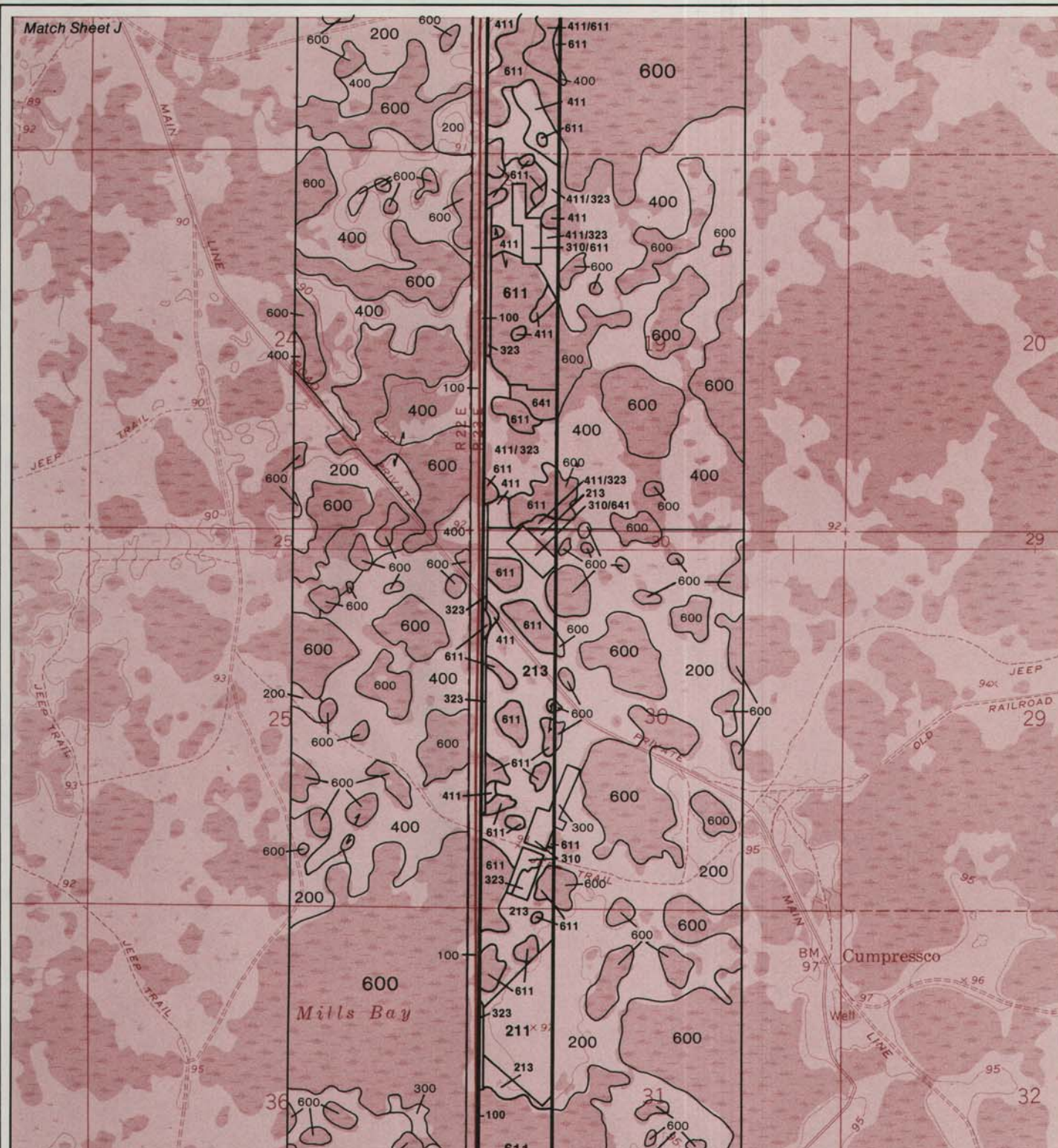
A
B
C
D
E



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SOURCE:
Aerial Photography; 8-22-79 and
Commonwealth Associates, Inc.,

BASE MAP SOURCE:



Match Sheet K

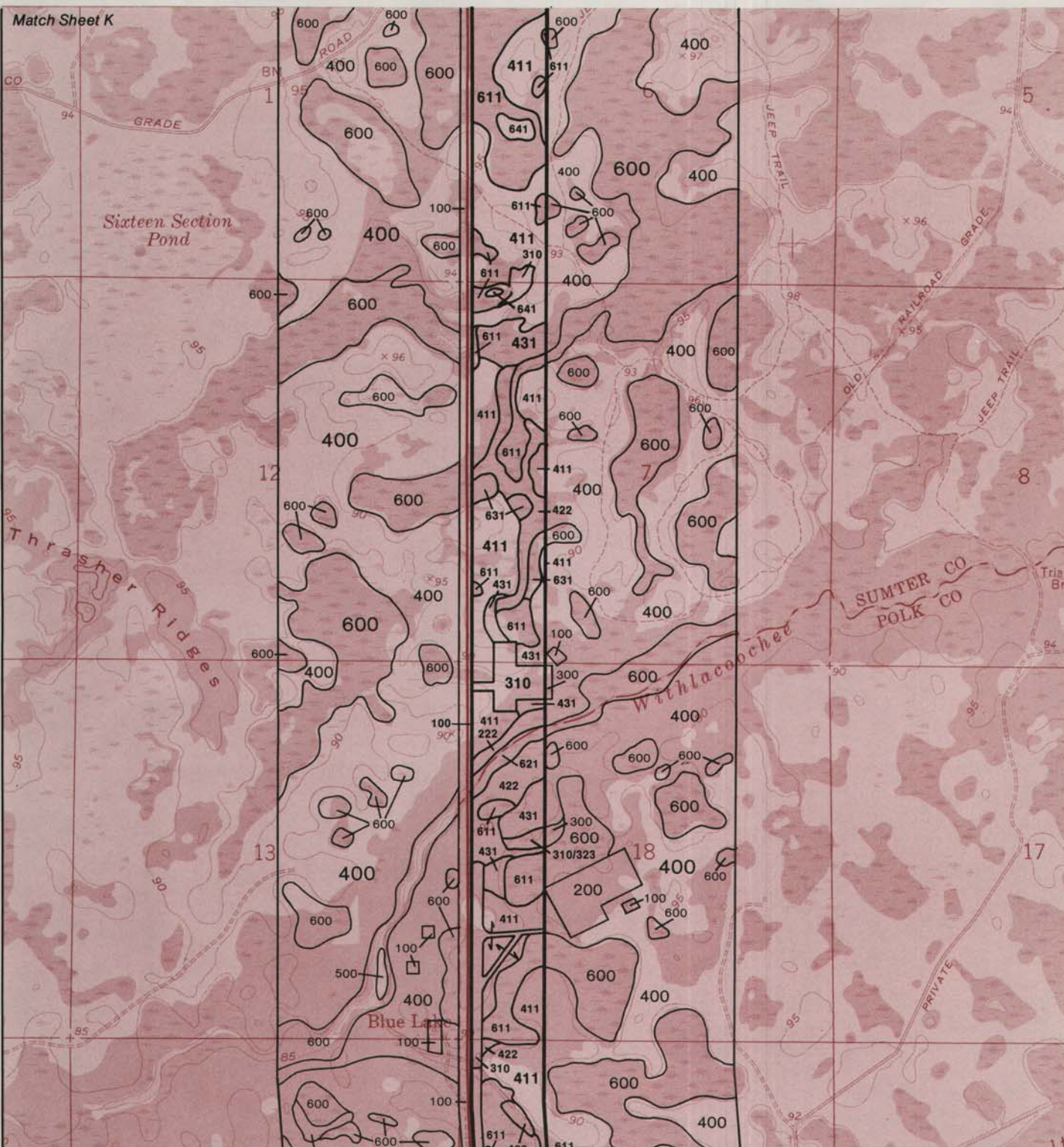


FIGURE LAND U AND VEGETAT

CENTRAL FLORIDA-KA
500KV TRANSMISS
FLORIDA POWER CORPO

Proposed Corridor Boundary

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- | | |
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A
B
C
D
E



1:24,000
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SOURCE:
Aerial Photography; 8-22-79 and
Commonwealth Associates, Inc.,

BASE MAP SOURCE:

Match Sheet L

FIGURE 2 LAND USE AND VEGETATION

CENTRAL FLORIDA-KA
500KV TRANSMISSION
FLORIDA POWER CORP

Proposed Corridor Boundary

LAND USE (Level I)

100 Urban or Built-up	500 Water
200 Agriculture	600 Wetland
300 Rangeland	700 Barren Land
400 Forested Upland	

VEGETATION COVER (Level III)

100 Urban or Built-up
211 Row Crops
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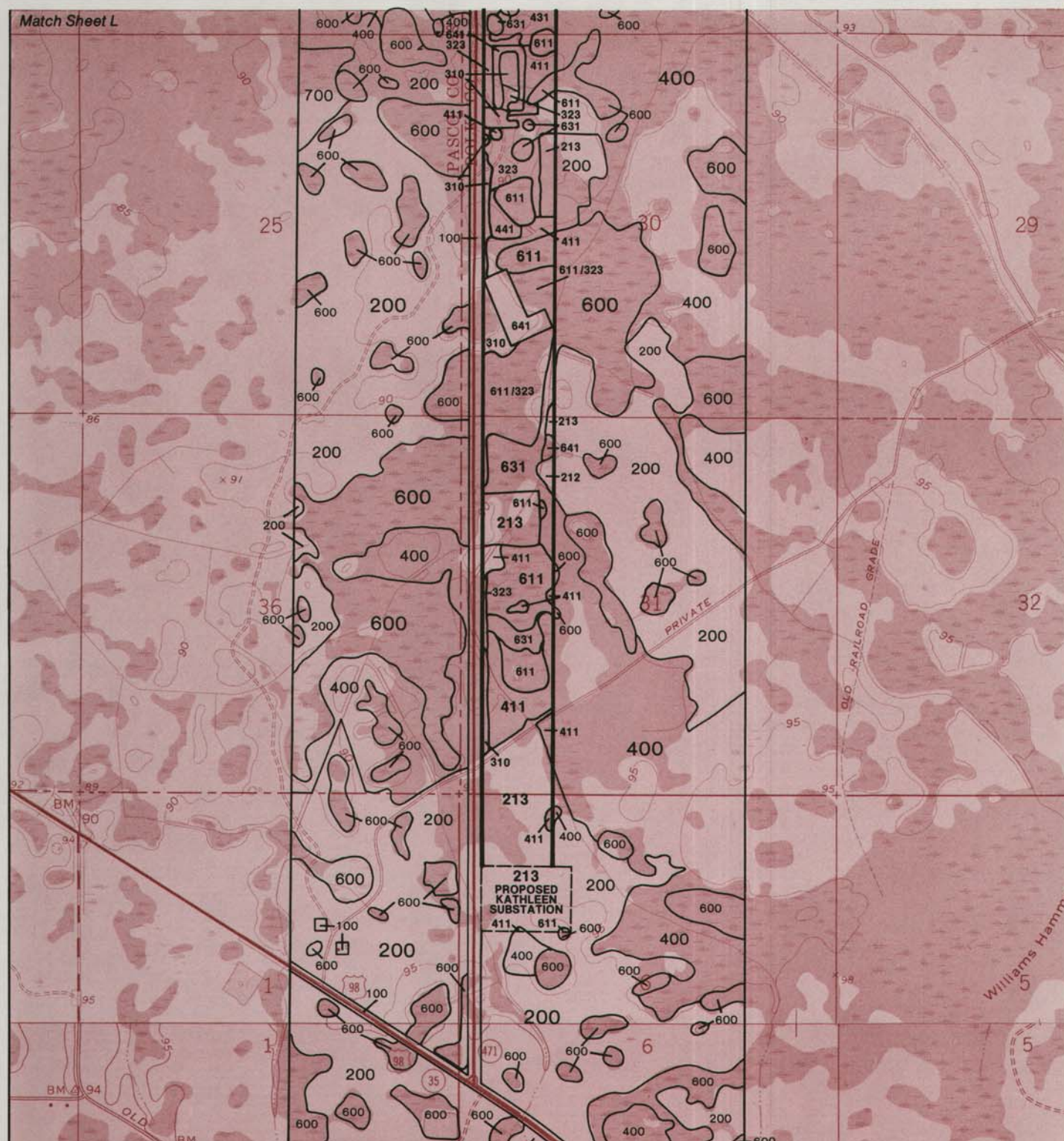
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0 500 M

SOURCE:
Aerial Photography; 8-22-79 and
Commonwealth Associates, Inc.,

BASE MAP SOURCE:



Along the north boundary of the state forest, the corridor passes through several areas that have seen much recent logging activity, mainly in the pine flatwood stands. Some cypress domes have also been clearcut near the Sumter — Lake County line. Many of these cleared areas are now being managed for forest regeneration.

The southern portion of the proposed corridor from the state forest to the proposed Kathleen Substation is characterized by numerous cypress domes surrounded by improved pasture and relatively open pine flatwood stands. Some scattered agriculture occurs, with one large field east of SR 471 irrigated by a gravity flow method.

As the corridor traverses the Withlacoochee State Forest, several campground access roads are crossed. However, the corridor does avoid many of the borrow pits now stocked for area fishermen. Most of the land is forested, with occasional clearcut openings now in varying stages of regeneration. Wetlands in the corridor are usually associated with cypress domes.

Two permanent residences and several seasonal dwellings are located within one-half mile (0.8 kilometer) of this portion of the proposed corridor, though none are situated within it. The State of Florida operates a weigh station and fish hatchery east of SR 471 in the forest, however, development associated with the hatchery is over one-half mile from the corridor and thus will not be adversely affected by the proposed project.

The state forest itself is a dominant land use feature of the area, offering various recreational activities to the general public, including hunting, fishing, and camping. As these activities are not incompatible with the operations of a transmission line, the proposed project should not adversely affect such forest-oriented recreational pursuits.

Transportation arteries are another important land use feature. Most highways are situated in the northern portion of the study area. In fact, from the state forest south to the proposed Kathleen Substation, there are no east-west roadways, while SR 471 is the only north-south artery. Field observations have revealed that SR 471 carries a considerable amount of

To the north, the first east-west highway encountered is SR 50, approximately 2.0 miles (3.2 kilometers) north of the proposed corridor. Other important highways in the vicinity of the proposed corridor are State Routes 44, 468, the Sunshine State Parkway (Florida Turnpike), State Routes 470, 48 and 469. The Seaboard Coast Line Railroad crosses the study area twice, on a diagonal from northwest to southeast, and also from east to west along SR 50.

There are no airports or airfields under the jurisdiction of the Florida Department of Transportation, Bureau of Aviation within or in proximity to the proposed corridor. However, one turf landing field, now abandoned, is situated immediately north of the state fish hatchery in the Withlacoochee State Forest. It is located approximately 3,300 feet (one kilometer) east of the proposed corridor.

The only known platted area is the previously mentioned mobile home development proposed for Section 12 northeast of Center Hill. The site is presently zoned R-1-M Mobile Home Residential (Figure 2-2) and would be classified as "110 Residential" according to Level II, The Florida Land Use and Cover Classification System.

Population densities range from approximately 41 persons per square mile in Sumter County to over 254 persons per square mile in Pasco County (Table 2-1). However, these figures are for the counties as a whole and are not reflective of densities in the vicinity of and in the proposed corridor, which are dominated by low levels of development, being primarily forested and rural. The population is sparse and is expected to remain as such. Only in the incorporated municipalities of Bushnell, Center Hill, Coleman, and Webster can any significant population concentrations be found. Estimated population (1978) for these communities is:

Bushnell	995
Center Hill	676
Coleman	1,099

TABLE 2-1
POPULATION
FIVE-COUNTY STUDY AREA

Land Area (in square miles)	1980*	Percent Change	1970	Population Percent Change	1960	Density (1980) (persons per square mile)
484	43,841	158	17,004	52	11,205	90
961	103,795	50	69,305	21	57,383	108
742	188,815	148	75,995	106	36,785	254
1,858	321,919	42	227,222	16	195,139	173
555	22,927	54	14,839	25	11,869	41

figures, U.S. Bureau of the Census, Detroit, Michigan.

Population. Characteristics of the Population, Florida. 1970. U.S. Bureau of the Census.

As these areas are at least 1.3 miles (2.1 kilometers) from the proposed corridor, they should not experience any adverse effects from the project.

2.2.4 Sensitive Areas

Several areas and features in the study area and in the various corridor alignments have been identified as "sensitive" by local, regional and state agencies, as well as through field reconnaissance. They appear in Figure 2-5 and Table 2-2. Those which are located within or immediately adjacent to the proposed corridor are addressed in further detail.

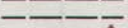
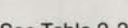
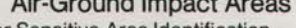
Specifically identified sensitive areas include the Green Swamp Area of Critical State Concern and the Withlacoochee State Forest (Figure 2-2). The proposed corridor parallels the defined critical area of the Green Swamp north of the state forest for approximately 3 miles (4.8 kilometers) but does not traverse any portion of it. The corridor also avoids SWFWMD-owned land.

Portions of the state forest are crossed by and adjacent to the corridor. All of Sections 3, 4, 9, 19, 30 and 31, and portions of 21, 28 and 29 T. 23 S., R. 23 E. were formerly used as Army Air Force air-to-ground gunnery and bombing impact areas during World War II. These areas are classified as "restricted" by the Division of Forestry, as there is a distinct possibility that live ordnance still exists despite efforts by the military to decontaminate the area. Potential alignments through these areas are possible, but clearing and construction activities will need to be coordinated with the U.S. Army Corps of Engineers.

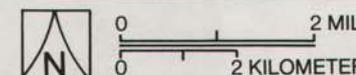
Several areas of sensitive vegetation occurring in the forest were identified by Withlacoochee State Forest personnel: a virgin stand of cypress (1), a hardwood hammock containing scatterings of southern red cedar (2), and a small sand ridge with associated vegetation (3). None of these areas falls within the proposed corridor, though the hardwood hammock is within one-half mile of it (Figure 2-5).

FIGURE 2 SENSITIVE AREAS

CENTRAL FLORIDA-KAT
500KV TRANSMISSION
FLORIDA POWER CORPORATION

-  Proposed Corridor
-  Alternative Corridor
-  Archeological Site
-  Biologically Sensitive Area
-  Wildlife
-  Vegetation
-  Recreational Area
-  Former US Army Air Force
-  Air-Ground Impact Areas

See Table 2-2 for Sensitive Area Identification.



SOURCE:
Florida Department of State, Division of Archives, History and Records Management, 1981.

Florida Department of Transportation
Florida Department of Agriculture and Consumer Services, Division of Forestry
Commonwealth Associates, Inc., 1981

BASE MAP SOURCE:
Florida Department of Transportation

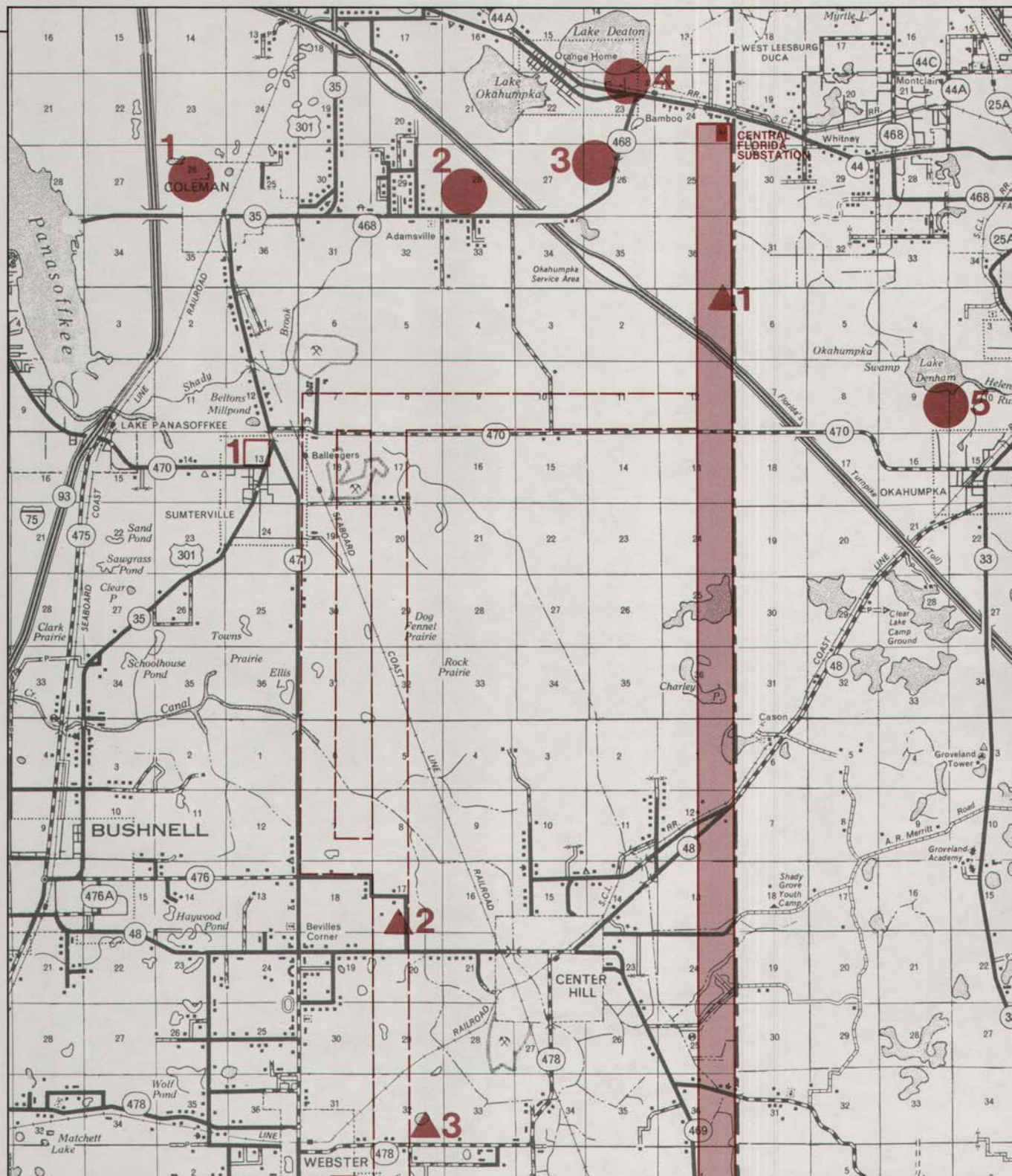
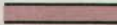


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