

Location and Description of Transects for Ecological Studies in Floodplain Forests of the Lower Suwannee River, Florida



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U.S. Department of the Interior
U.S. Geological Survey

Prepared in cooperation with the
Suwannee River Water Management District

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By Lori J. Lewis, Helen M. Light, *and* Melanie R. Darst

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U.S. GEOLOGICAL SURVEY
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CONVERSION FACTORS, SEA LEVEL DATA, AND ACRONYMS

Multiply	By	To obtain
centimeter (cm)	0.3937	inch
meter (m)	3.28	foot
kilometer (km)	0.62	mile

Sea level: In this report, “sea level” refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)—a geodetic datum derived from a general adjustment of the first-order level nets of the United States and Canada, formerly called Sea Level Datum of 1929.

Horizontal datum: In this report, horizontal coordinate information is referenced to the North American Datum of 1927 (NAD27).

ACRONYMS

GIS	=	Geographic Information Systems
LSNWR	=	Lower Suwannee National Wildlife Refuge
GPS	=	Global Positioning System
rkm	=	river kilometer
SRWMD	=	Suwannee River Water Management District
USGS	=	U.S. Geological Survey

CONTACT INFORMATION

Florida Department of Environmental Protection,	
Division of Recreation and Parks	(352) 955-2135
Lower Suwannee National Wildlife Refuge	(352) 493-0238
Manatee Springs State Park	(352) 493-6738
Suwannee River Water Management District	(800) 226-1066

Location and Description of Transects for Ecological Studies in Floodplain Forests of the Lower Suwannee River, Florida

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Abstract

Twelve transects were established in floodplain forests along the lower Suwannee River, Florida, as the principal data collection sites for a comprehensive study conducted by the U.S. Geological Survey and the Suwannee River Water Management District from 1996 to 2001. Data collected along the 12 transects included hydrologic conditions, land-surface elevations, soils, and vegetation of floodplain forests in relation to river flow. Transect locations are marked in the field with permanent markers at approximately 30 meter intervals.

Detailed descriptions of the 12 transects and their locations are provided so that they can be used for future ecological studies. Descriptions of the transects include contact information necessary for access to the property on which the transects are located, maps showing transect locations and routes from the nearest city or major road, small scale maps of each transect showing marker locations, latitude and longitude of each marker, compass bearings of each transect line and graphs showing land-surface elevations of the transect with marker locations.

INTRODUCTION

This report is part of a comprehensive study of floodplain forests along the lower Suwannee River, Florida, conducted by the U.S. Geological Survey (USGS) in cooperation with the Suwannee River Water Management District (SRWMD) from 1996 to 2001. The purpose of the study was to help determine water needs for

maintaining healthy wetland ecosystems in the lower Suwannee River basin to assist the SRWMD in the establishment of minimum flows and levels for the river.

Data collected along twelve study transects included hydrologic conditions, land-surface elevations, soils, and vegetation of floodplain forests in relation to

river flow (Light and others, in press; Darst and others, 2002). Locations and descriptions of the transects are presented to enable others to use these transects for future wetland studies such as long-term monitoring, land management studies, or interdisciplinary studies that could build on the information that has already been collected.

Purpose and Scope

The objective of this report is to document the location and description of twelve permanently

marked transects in the forested floodplain of the lower Suwannee River to allow recovery of these transects for future studies. The study area for this project was the

forested floodplain of the Suwannee River from the confluence at the Santa Fe River to the downstream limit of forests near the Gulf of Mexico (fig. 1).

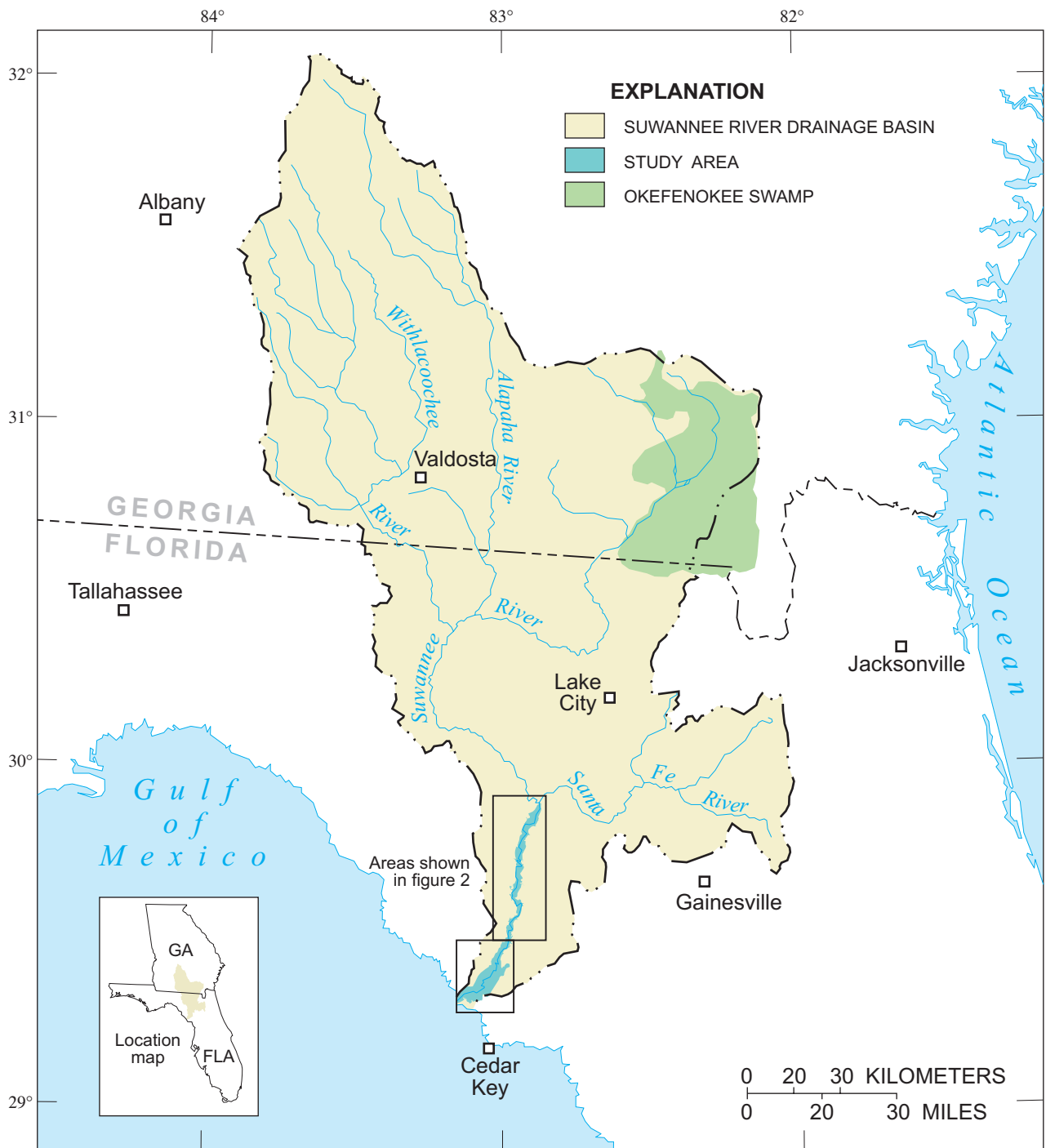


Figure 1. Drainage basin of the Suwannee River in Florida and Georgia.

Background

The principal sites of data collection for a comprehensive wetlands study were 12 belt transects established in the lower Suwannee River floodplain (fig. 2). A belt transect is a long, narrow rectangular sampling area oriented along a centerline with a width of a few meters on one or both sides of the line.

In the comprehensive wetland study, 14 forest types were defined from vegetative sampling and aerial photographic signatures at the transects. Extensive vegetative, topographic, hydrologic and soils data collected on the transects were described and analyzed by forest type in a report by Light and others (in press). Ground cover vegetation data was described by forest type in Darst and others, 2002. GIS

coverages of a forest map and the transect locations can be obtained from SRWMD or USGS files.

Specific transect data that is available for use by future researchers is briefly described in the following paragraphs. **In the remainder of this background section, all appendix, table, and figure numbers refer to data presented in the comprehensive report by Light and others (in press).**

The specific location of the forest types at each transect are illustrated along with land-surface elevations of the transects and long-term hydrologic conditions in the Suwannee River in figure 15. The median elevations of the forest types at each transect (app. II) were compared to daily high stage at

each transect in the tidal portion of the Suwannee River in figure 16.

Water level measurements were made in the river and in floodplain water bodies at the transects (app. III). Salinity of ponds and tidal creeks at selected lower tidal transects is described in appendix IV and figure 20.

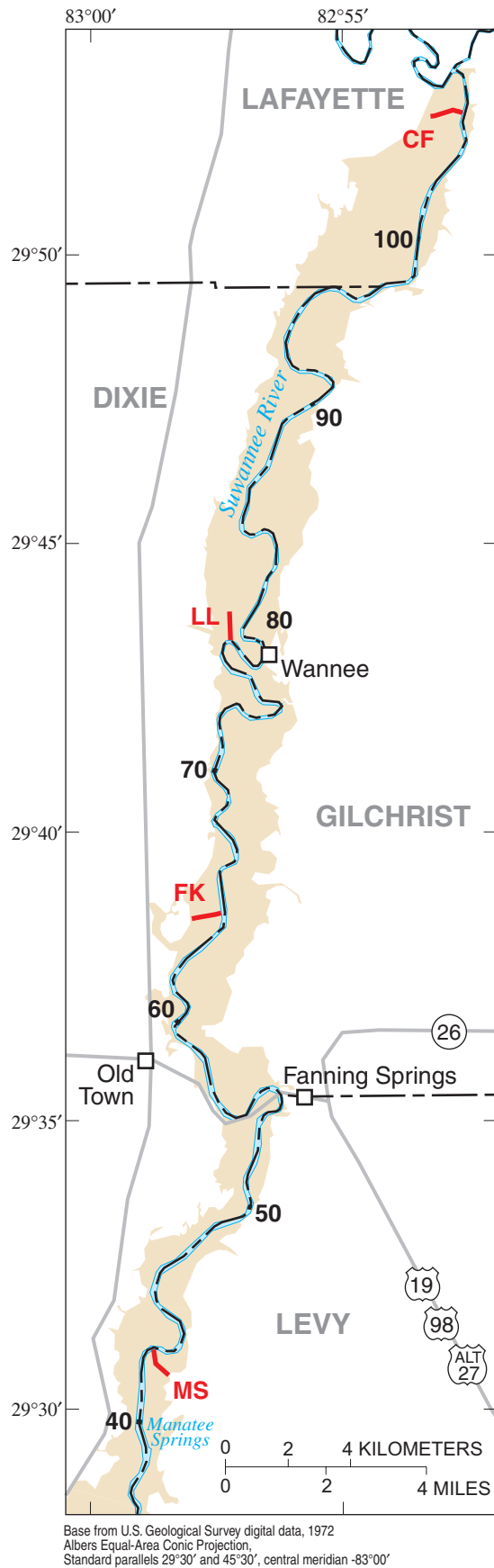
Soil profiles were described at each transect at boring locations selected to represent various topographic features and tree communities (table 9, fig. 22 and app. V). Soil moisture observations were made at regular intervals along each transect line (app III). The amount of continuously saturated soils for the forest types at each transect is reported in table 10. Soil conductivity measured at transects in the lower tidal portion of the river was reported in table 11 and figure 23.

Acknowledgements

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The authors would like to thank John Good and Rob Mattson, SRWMD for technical reviews, and the following USGS employees: Jerilyn Collins, Gary Mahon, Jane Eggleston and Teresa Embry for technical and editorial reviews; Agustin Sepulveda for geographic information systems (GIS) assistance; Ron Spencer and Jim Tomberlin for assistance with graphics; and Pat Mixson for layout.

Access to study sites was received from Ken Litzenberger, Lower Suwannee National Wildlife Refuge (LSNWR); Susie Hetrick, Florida Department of Parks and Recreation; Sally Lieb, Manatee Springs State Park; and Stephen Riggs, private landowner.



METHODS

Data collection efforts in the comprehensive study began in 1996 with the marking of transect lines with wooden stakes at approximately 30 meter intervals. The stakes had begun to show signs of deterioration by the end of the study period. The sites were revisited in 2001 and the wooden stakes replaced with ½-inch galvanized pipes labeled with aluminum tags for identification. They were installed so that approximately 18 inches of pipe was visible above the ground. For additional visibility, PVC pipes were installed around the galvanized pipe as a sleeve (fig. 3), or next to the galvanized pipe when conditions prevented sleeve-type installation (fig. 4).

Stainless steel rods (9/16-inch diameter) were installed at each transect endpoint to serve as backup reference points in case the visible permanent markers are damaged or destroyed by flood, fire, or vandalism. These rods were four feet in length and were driven to ground surface level so their location would be recoverable by use of a metal detector. Once the transect endpoint is found, the other transect marker locations can be reconstructed using compass bearings and measured distances, with latitude and longitude of marker locations as an additional guide.

The map position of each transect marker was obtained from the GIS coverage of the transects. Latitudes and longitudes were determined using an ARC macro language program that converts map units to geographic locations.

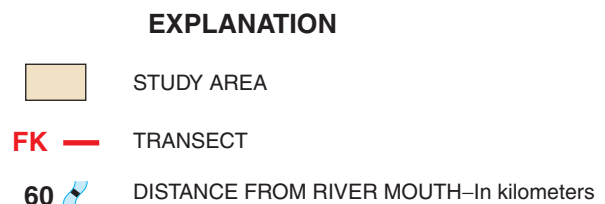
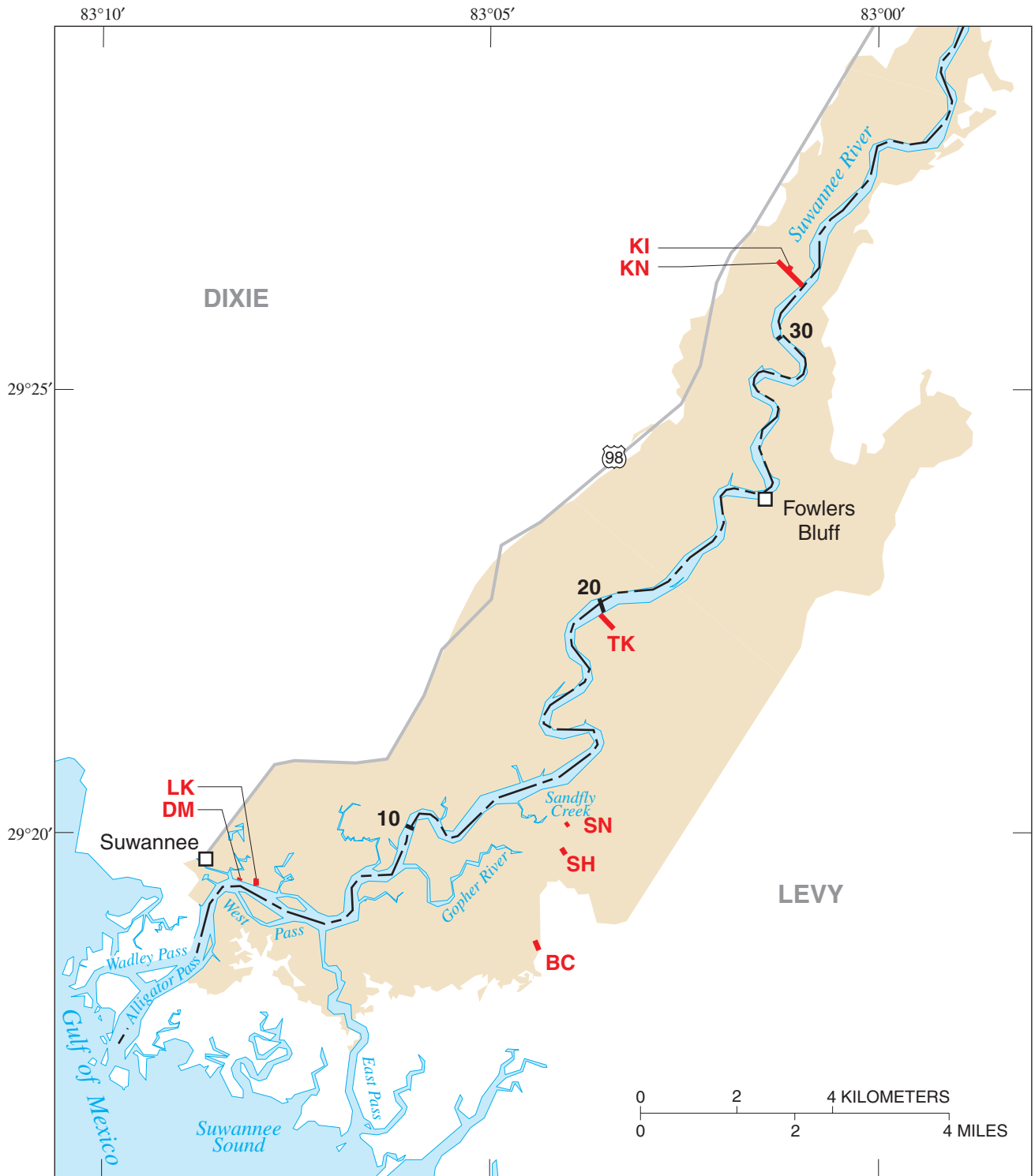


Figure 2. Study area with locations of transects in the floodplain of the lower Suwannee River, Florida.



Base from U.S. Geological Survey digital data, 1972
 Albers Equal-Area Conic Projection,
 Standard parallels 29°30' and 45°30', central meridian -83°00'

Figure 2. Study area with locations of transects in the floodplain of the lower Suwannee River, Florida. (Continued)



Figure 3. Permanent marker with PVC sleeve used to mark transects in the lower Suwannee River floodplain, Florida.

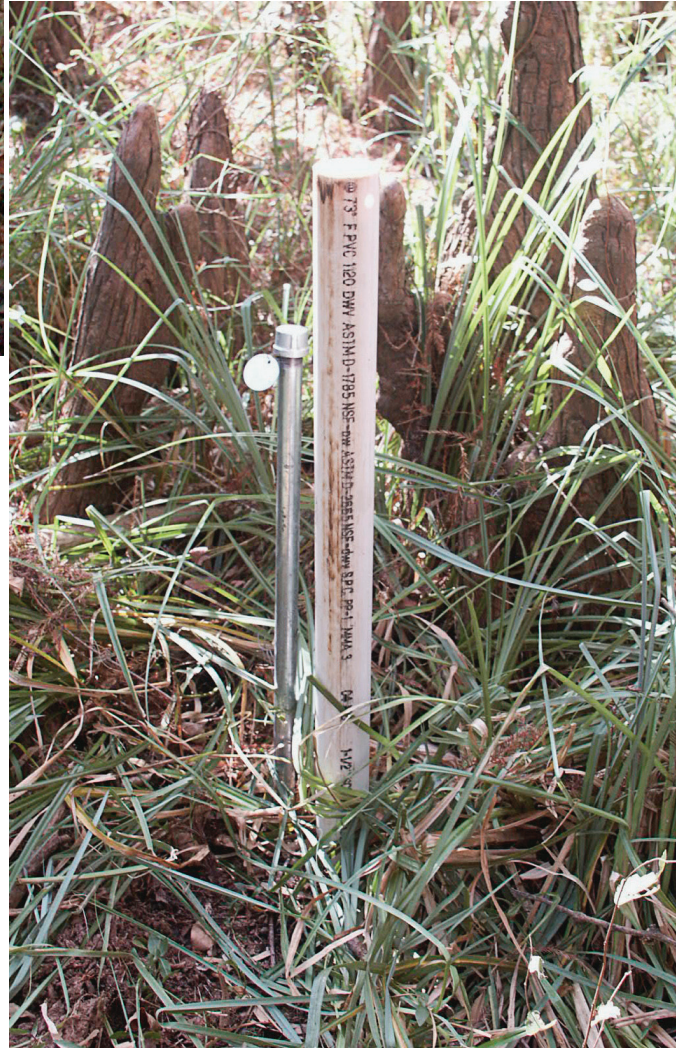


Figure 4. PVC pipe installed adjacent to marker used to mark transects in the lower Suwannee River floodplain, Florida.

TRANSECT INFORMATION

Descriptions of the transects are presented in downstream order. Directions by road are described using distances in miles; all other units in this report are metric. Basic data for the transects are included in table 1. Transect locations along the river are indicated in river kilometers (rkm), a measurement of stream distance beginning with 0 at the mouth of the river at latitude 29° 17' 19.2" and longitude 83° 9' 51.8".

Transects were named after the tract of land on which they were located or after a nearby creek or point of interest. Transects varied in length from 53.2 to 1,003.7 m and were 10 to 13 m wide when less than 400 m long and usually 5 m wide when longer.

Transects are located primarily on public lands with at least

one end of the transect accessible by boat or car. Permission from current land managers is needed to obtain access to these properties. The necessary contact information for property access is provided for each transect.

Maps showing the transect location and route from nearest city or major road are provided. In this report, U.S. and State highways are classified as primary roads, county roads and other paved streets are described as light duty roads, and dirt roads or trails are classified as unimproved roads. GIS coverage maps of each transect showing marker locations and numbers are also provided. Latitude and longitude of each marker are listed in an associated table.

Graphs showing land-surface elevations with marker locations are provided for each transect.

Estimated elevations beyond the transect endpoints or between two segments of a transect are included to show the topographic features of the immediate area. The scales of the elevation graphs have been maximized for each transect for easier viewing of the marker numbers and their locations; therefore, they cannot be used for comparing elevations of different transects. Elevation graphs of all the transects at the same scale are presented in figure 15 of Light and others, in press.

Canopy vegetation data with marker locations is presented for each transect in appendix 1. This information can be used not only as an additional guide for locating markers, but also as baseline data for future vegetative sampling efforts.

Table 1. Location and marker information of transects in the lower Suwannee River floodplain, Florida

[rkm, river kilometers; m, meters]

Transect name	Abbreviated transect name	Location, in rkm	Length of transect, in m	Number of markers	Range of marker numbers
Confluence	CF	104.3	441.0	21	1-22
Log Landing	LL	77.6	921.2	30	22-51, 200 ¹
Falkenburry	FK	64.4	362.6	15	52-66
Manatee Springs	MS	42.5	1009.0	28	67-94
Keen	KN	31.2	734.1	27	95-121
Keen Island	KI	31.2	100.0	4	122-125
Turkey Island	TK	19.8	411.9	15	126-140
Sandfly North	SN	13.0	88.3	5	141-145
Sandfly Hammock	SH	12.6	151.0	6	146-151
Barnett Creek	BC	11.3	215.6	8	152-159
Lock	LK	5.1	145.5	6	160-165
Demory	DM	4.8	53.2	4	166-169

¹This marker is not on the transect line; it marks a verification plot near the transect

Confluence (CF)

CF transect is located on land owned by the SRWMD. A locked gate restricts motor vehicle access to the roads on this property. Contact the SRWMD land manager in Live Oak, Florida at (800) 226-1066 for permission to access these lands.

CF transect is in eastern Lafayette County, approximately 1.6 kilometers downstream of the confluence of the Santa Fe River with the Suwannee River. To reach this transect from Branford, Florida, travel 1.9 miles west on US Highway 27, then 4.3 miles south on State Highway 349 to County Road 138. Go east on County Road

138 and follow this road to the Hatchbend boat ramp using the route highlighted in figure 5. Turn right on the last dirt road before the boat ramp. Turn left at the T-intersection, travel approximately 1.5 miles and make another left turn. The SRWMD sign and locked gate are less than 0.1 mile down this drive. Once inside the gate, turn left. The roads on this property are very sandy and under certain conditions require the use of a four-wheel drive vehicle. Go approximately ¼ of a mile, following the 90° turn to the right, and then look for a smaller trail to the right. The western portion of the transect is acces-

sible from this trail. To reach the eastern portion of the transect continue past this trail for another 0.5 mile until the road makes a 90° turn to the right.

CF transect is comprised of two segments (fig. 6), the west segment (markers 1-7) and the east segment (markers 8-21). The west segment is 128.3 m in length and has a compass bearing of approximately 80° from marker number 1. The east segment is 312.7 m long and has a compass bearing of 107° from marker 8. The latitude and longitude of each marker on the transect line are listed in table 2.

Table 2. Marker locations on CF transect in the lower Suwannee River floodplain, Florida

Marker number	Distance from beginning of segment	Distance from previous marker	Latitude	Longitude
West Segment				
1	0.0	-	29° 52' 24.9"	82° 53' 14.7"
2	20.1	20.1	29° 52' 25.0"	82° 53' 14.0"
3	44.6	24.5	29° 52' 25.1"	82° 53' 13.1"
4	68.3	23.7	29° 52' 25.2"	82° 53' 12.2"
5	88.6	20.3	29° 52' 25.3"	82° 53' 11.4"
6	115.5	26.9	29° 52' 25.5"	82° 53' 10.4"
7	128.3	12.8	29° 52' 25.5"	82° 53' 10.0"
East Segment				
8	0.0	-	29° 52' 31.6"	82° 52' 47.9"
9	22.1	22.1	29° 52' 31.4"	82° 52' 47.1"
10	53.9	31.8	29° 52' 31.2"	82° 52' 46.0"
11	79.9	26.0	29° 52' 31.0"	82° 52' 45.0"
12	106.8	26.9	29° 52' 30.7"	82° 52' 44.1"
13	129.4	22.6	29° 52' 30.5"	82° 52' 43.3"
14	158.7	29.3	29° 52' 30.2"	82° 52' 42.2"
15	187.8	29.1	29° 52' 29.9"	82° 52' 41.2"
16	216.3	28.5	29° 52' 29.7"	82° 52' 40.2"
17	235.2	18.9	29° 52' 29.5"	82° 52' 39.5"
18	256.7	21.5	29° 52' 29.3"	82° 52' 38.7"
19	286.1	29.4	29° 52' 29.0"	82° 52' 37.7"
20	300.8	14.7	29° 52' 28.9"	82° 52' 37.2"
21	310.7	9.9	29° 52' 28.8"	82° 52' 36.8"

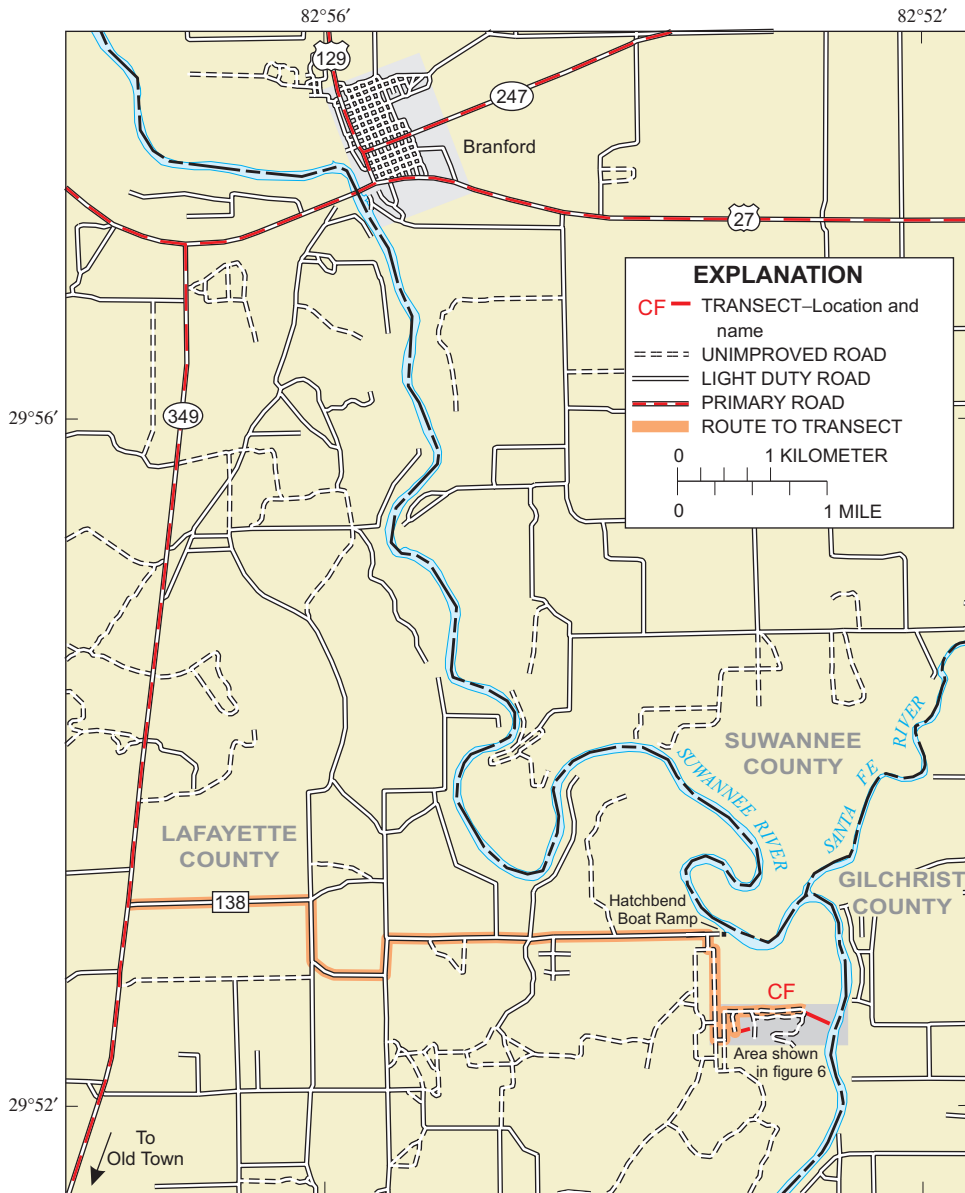


Figure 5. CF transect and surrounding area in the lower Suwannee River floodplain, Florida.

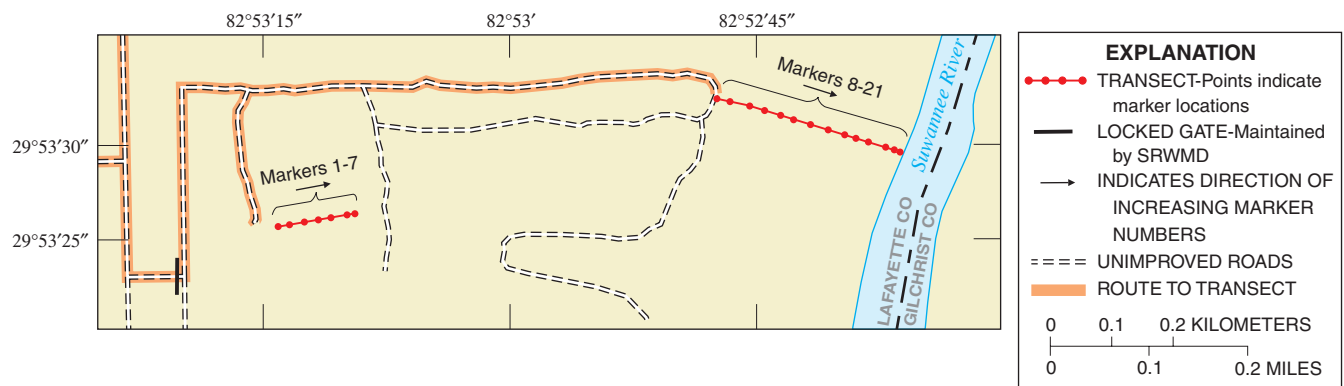


Figure 6. CF transect with marker locations and access roads in the lower Suwannee River floodplain, Florida.

CF has the highest elevation and greatest topographic relief of all the transects. The elevations along the transect line

range from 3.7 to 7.3 m above sea level (fig. 7). Natural riverbank levees (as seen at marker 20 on this transect) are prominent fea-

tures on transects in the lower Suwannee River study area from rkm 104 to approximately rkm 43.

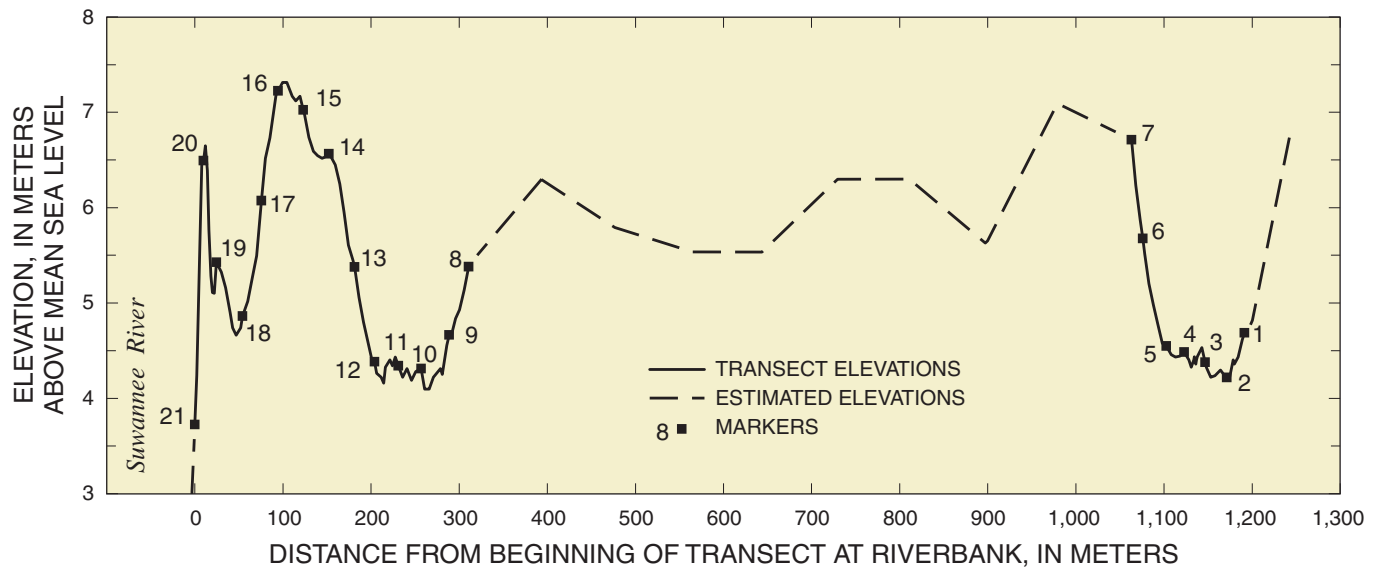


Figure 7. Land-surface elevations and marker locations at CF transect in the lower Suwannee River floodplain, Florida.

Log Landing (LL)

LL transect is located on SRWMD lands. Data collection efforts at this site should be coordinated with the SRWMD land manager in Live Oak, Florida at (800) 226-1066.

LL transect is located in eastern Dixie County, across the river from the town of Wannee, Florida, in Gilchrist County. The only access to LL transect is by river. The two closest public boat ramps to this site are Eula Landing boat ramp and a ramp in Wannee, Florida. The Wannee ramp was not used during the study period because it was in poor condition at the time. To reach Eula Landing from Fanning Springs, Florida,

travel north on State Highway 26 to County Road 232 (fig. 8). Go north on County Road 232. When this paved road makes a 90° turn to the right after about 5.8 miles, continue straight on the dirt road to SW 25th Street. Go west to the Eula Landing boat ramp.

LL transect is 921.2 m in length and has a compass bearing of approximately 0° from marker 22 (fig. 9). The latitude and longitude of each marker on the transect line are provided in table 3.

Land-surface elevations along the transect ranged from 2.4 to 5.3 m above sea level (fig. 10). A small open-water pond is visible to the west of this transect near

marker 30 and a small flowing stream is located on the transect near marker 36. Both of these water features may be dry during a drought. Elevations between the edge of the river and the beginning of the transect (marker 22) and from the end of the transect (marker 51) to the area surrounding a verification plot were estimated in the field. The verification plot location and elevations are included in this report because data from this plot was used in conjunction with the LL transect data to provide information on a forest type not found on the transect line.

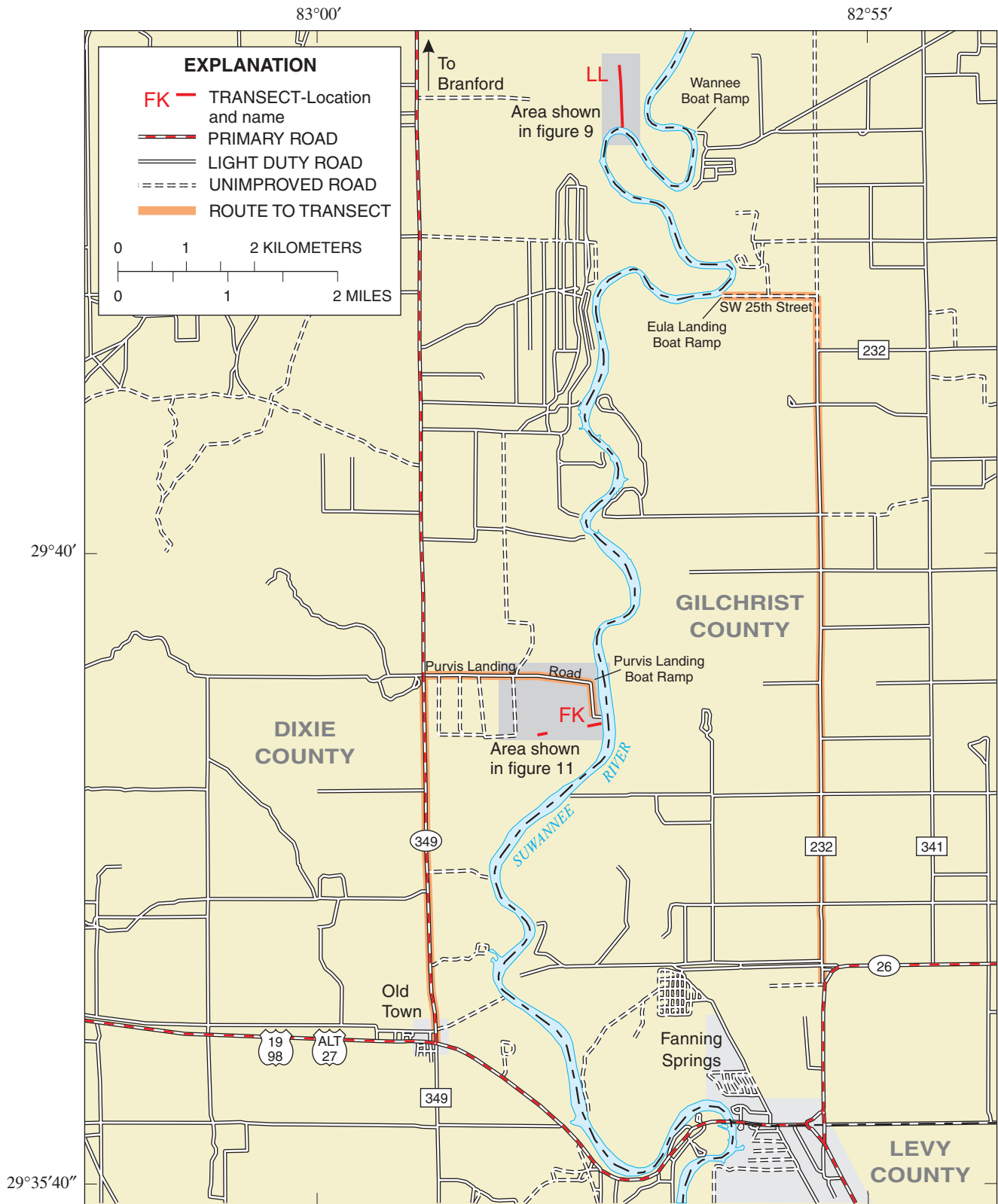


Figure 8. LL and FK transect locations with surrounding area in the lower Suwannee River floodplain, Florida.

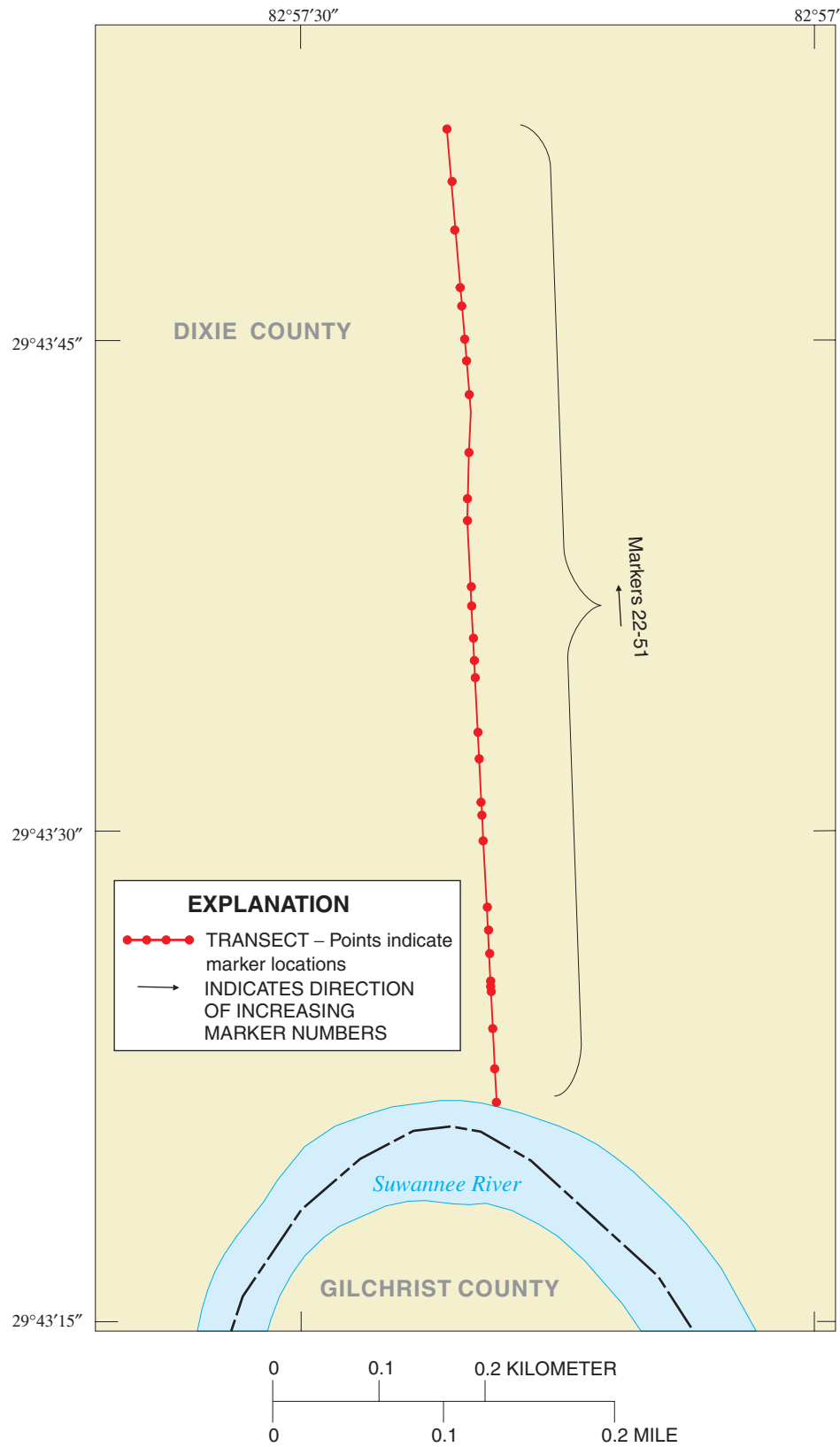


Figure 9. LL transect with marker locations and immediate vicinity in the lower Suwannee River floodplain, Florida.

Table 3. Marker locations on LL transect in the lower Suwannee River floodplain, Florida

Marker number	Distance from beginning of transect	Distance from previous marker	Latitude	Longitude
22	0.0	-	29° 43' 20.9"	82° 57' 13.7"
23	31.8	31.8	29° 43' 21.9"	82° 57' 13.8"
24	69.2	37.4	29° 43' 23.1"	82° 57' 13.8"
25	104.5	35.3	29° 43' 24.3"	82° 57' 13.9"
26	110.6	6.1	29° 43' 24.5"	82° 57' 13.9"
27	113.6	3.0	29° 43' 24.6"	82° 57' 13.9"
28	140.3	26.7	29° 43' 25.4"	82° 57' 14.0"
29	162.9	22.6	29° 43' 26.1"	82° 57' 14.1"
30	184.2	21.3	29° 43' 26.8"	82° 57' 14.0"
31	246.2	62.0	29° 43' 28.9"	82° 57' 14.1"
32	270.7	24.5	29° 43' 29.6"	82° 57' 14.2"
33	282.7	12.0	29° 43' 30.0"	82° 57' 14.2"
34	324.2	41.5	29° 43' 31.4"	82° 57' 14.3"
35	349.2	25.0	29° 43' 32.2"	82° 57' 14.3"
36	400.3	51.1	29° 43' 33.9"	82° 57' 14.4"
37	417.0	16.7	29° 43' 34.4"	82° 57' 14.5"
38	437.7	20.7	29° 43' 35.1"	82° 57' 14.5"
39	467.7	30.0	29° 43' 36.0"	82° 57' 14.6"
40	486.3	18.6	29° 43' 36.6"	82° 57' 14.6"
41	548.2	61.9	29° 43' 38.6"	82° 57' 14.7"
42	569.0	20.8	29° 43' 39.3"	82° 57' 14.7"
43	612.6	43.6	29° 43' 40.7"	82° 57' 14.7"
44	667.1	54.5	29° 43' 42.5"	82° 57' 14.6"
45	699.0	31.9	29° 43' 43.5"	82° 57' 14.7"
46	719.3	20.3	29° 43' 44.2"	82° 57' 14.8"
47	750.6	31.3	29° 43' 45.2"	82° 57' 14.9"
48	768.0	17.4	29° 43' 45.9"	82° 57' 14.9"
49	822.4	54.4	29° 43' 47.5"	82° 57' 15.1"
50	868.2	45.8	29° 43' 49.0"	82° 57' 15.3"
51	916.6	48.4	29° 43' 50.6"	82° 57' 15.4"

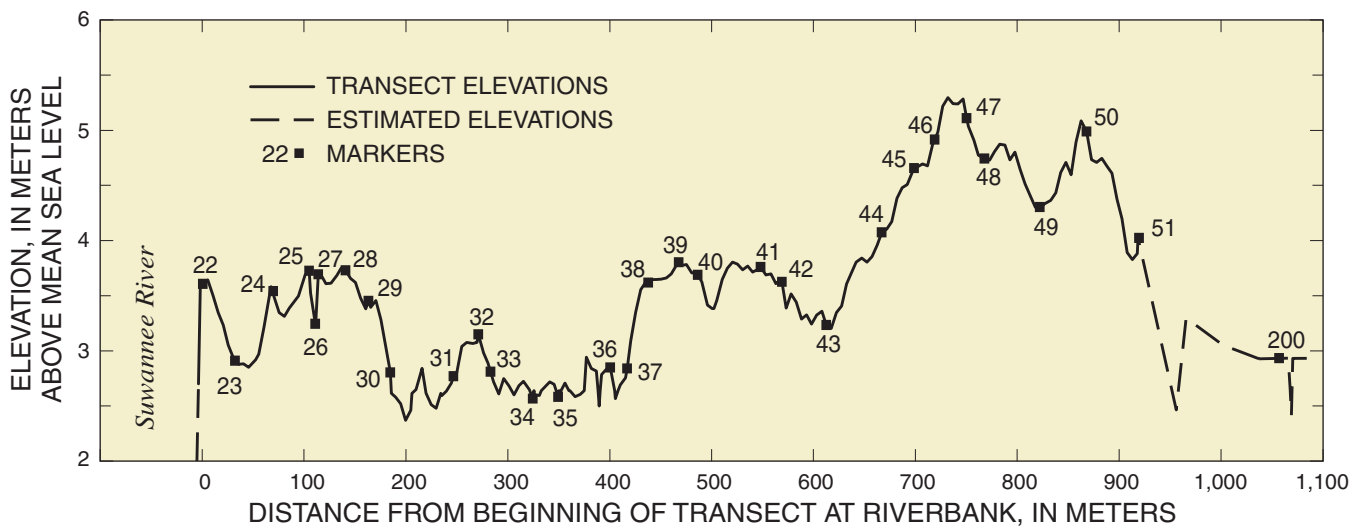


Figure 10. Land-surface elevations and marker locations at LL transect in the lower Suwannee River floodplain, Florida.

Falkenburry (FK)

FK transect is comprised of two segments, the east segment (markers 52-58) and the west segment (markers 59-66) (fig. 11). The transect is located on SRWMD lands except for three markers (64-66) on the west segment of the transect that are located on private property. The easiest land access to all markers on the west segment is also across private property. Landowner permission for permanent

marker installation and access was granted at the time the markers were installed, but any further use of markers 64-66 or access across private property to the west segment will require permission from the current landowner. The SRWMD land manager in Live Oak, Florida should also be contacted at (800) 226-1066 prior to visiting this transect.

FK transect is located in eastern Dixie County, north-northeast of Old Town, Florida and west of the Suwannee River. To reach FK transect from Old Town, travel north on State Highway 349 approximately 3.4 miles and turn right onto Purvis Landing Road (fig. 8). This road ends at the boat ramp. Turn right on the last road before the boat ramp.

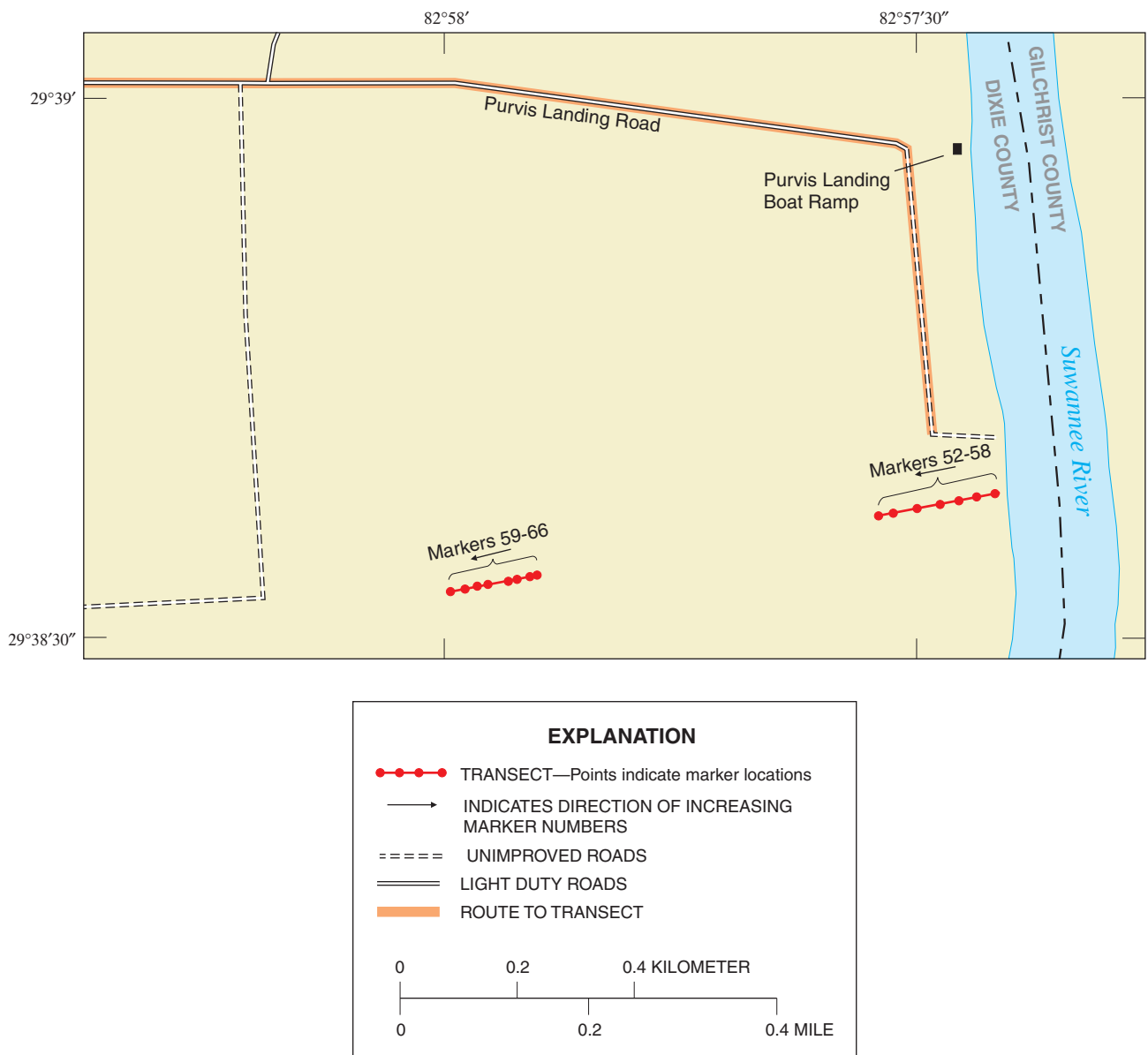


Figure 11. FK transect with marker locations and access roads in the lower Suwannee River floodplain, Florida.

The east segment of the FK transect is 210.3 meters in length and has a compass bearing of 264° from marker 52 at the river (fig.11). The west segment is 151.3 meters long and has a bearing of 79° from

marker 66. Latitude and longitude of each marker on the transect are provided in table 4.

The highest elevation on this transect is on the riverbank levee on the east segment (fig.12). Elevations

of the land connecting the east and west segments were estimated in the field and include a large slough near marker 59. This slough contains soft bottom sediments that make it difficult to walk across (except during prolonged drought).

Table 4. Marker locations on FK transect in the lower Suwannee River floodplain, Florida

Marker number	Distance from beginning of segment	Distance from previous marker	Latitude	Longitude
East Segment				
52	0.0	-	29° 38' 37.2"	82° 57' 25.6"
53	40.0	40.0	29° 38' 37.0"	82° 57' 26.7"
54	72.0	32.0	29° 38' 36.8"	82° 57' 27.9"
55	103.6	31.6	29° 38' 36.6"	82° 57' 29.0"
56	144.1	40.5	29° 38' 36.4"	82° 57' 30.5"
57	185.3	41.2	29° 38' 36.1"	82° 57' 32.0"
58	210.3	25.0	29° 38' 36.0"	82° 57' 33.0"
West Segment				
66	0.0	-	29° 38' 31.8"	82° 58' 00.2"
65	26.1	26.1	29° 38' 31.9"	82° 57' 59.3"
64	47.6	21.5	29° 38' 32.0"	82° 57' 58.5"
63	68.1	20.5	29° 38' 32.2"	82° 57' 57.7"
62	101.2	33.1	29° 38' 32.4"	82° 57' 56.5"
61	117.6	16.4	29° 38' 32.5"	82° 57' 55.9"
60	138.8	21.2	29° 38' 32.6"	82° 57' 55.1"
59	151.3	12.5	29° 38' 32.7"	82° 57' 54.7"

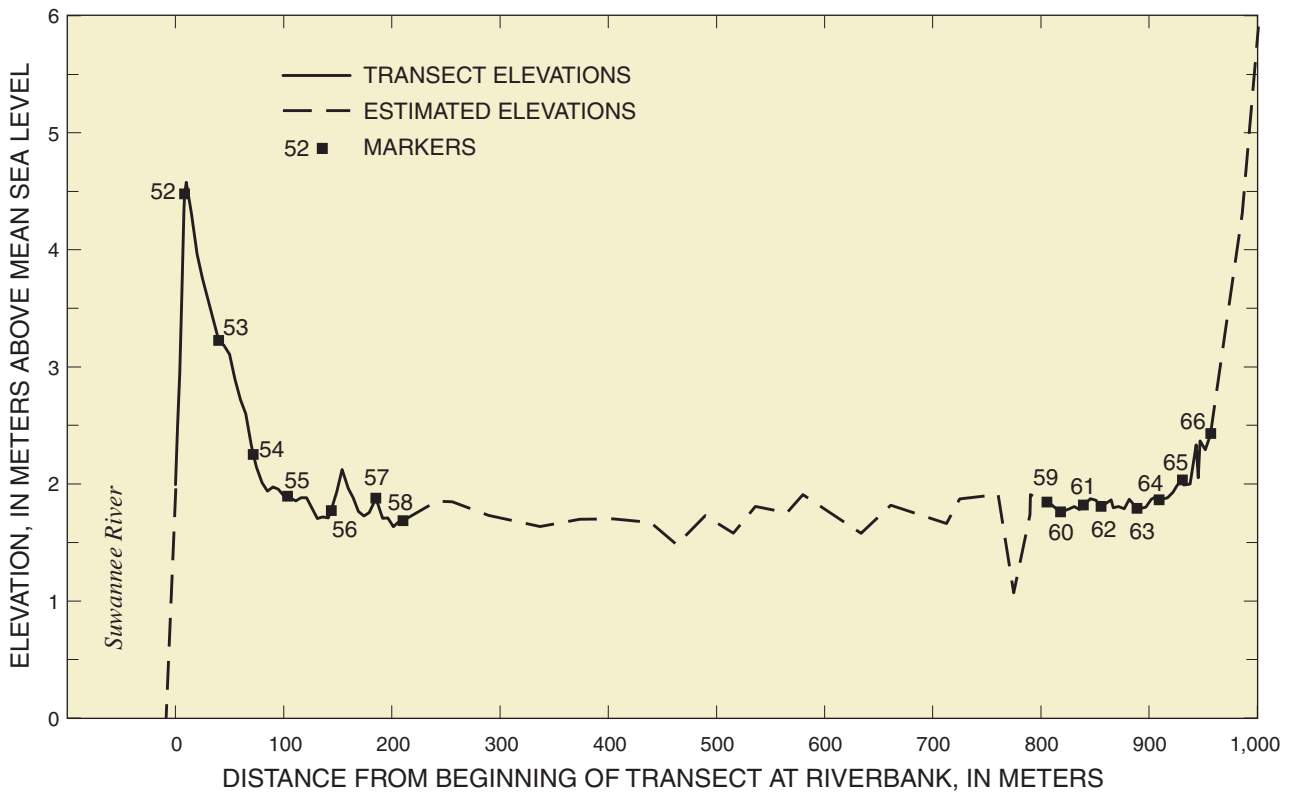


Figure 12. Land-surface elevations and marker locations at FK transect in the lower Suwannee River floodplain, Florida.

Manatee Springs (MS)

MS transect is located in Manatee Springs State Park. Contact the Park Manager at (352) 493-6738 in advance of field visits for coordination and arrangements. A research/collecting permit is needed to conduct a study in a Florida state park or preserve. Permit applications are available from the Florida Department of Environmental Protection, Division of Recreation and Parks in Gainesville, Florida at (352) 955-2135.

Manatee Springs State Park is located in northwestern Levy County, Florida. To reach the park from Chiefland, Florida, go west on State Highway 320 directly to the

park entrance (fig. 13). The transect is located in the north end trail system; the trail entrance is the second road on the right after the park entrance (fig. 14). Although the trail system is open to foot and bicycle traffic during park hours, a locked gate restricts motor vehicle access. From the trail entrance, follow Scenic trail approximately 0.9 miles to a T-intersection then turn right on Clay trail. After a very short distance, turn left onto Hardwood trail and follow this trail approximately 0.4 miles.

MS transect measures 1,009 meters in length and is the longest of the 12 transects. The

compass bearing of the transect line is 316.5° from marker 67 to marker 82, 338.5° from marker 82 to 83, and 353° from marker 83 to the transect endpoint at marker 94. The latitude and longitude of each marker are listed in table 5.

Land-surface elevations along the transect line are illustrated in figure 15. Similar to CF transect, there is a second higher ridge on this transect immediately behind the riverbank levee. The swamps between markers 72-81 and 84-88 are continuously saturated and the ground is often “soupy”.

Table 5. Marker locations on MS transect in the lower Suwannee River floodplain, Florida

Marker number	Distance from beginning of transect	Distance from previous marker	Latitude	Longitude
67	0.0	-	29° 30' 37.1"	82° 58' 27.8"
68	48.2	48.2	29° 30' 38.2"	82° 58' 29.2"
69	102.6	54.4	29° 30' 39.4"	82° 58' 30.7"
70	150.5	47.9	29° 30' 40.4"	82° 58' 32.0"
71	200.0	49.5	29° 30' 41.5"	82° 58' 33.3"
72	238.1	38.1	29° 30' 42.3"	82° 58' 34.4"
73	261.0	22.9	29° 30' 42.8"	82° 58' 35.0"
74	291.5	30.5	29° 30' 43.5"	82° 58' 35.9"
75	325.4	33.9	29° 30' 44.2"	82° 58' 36.8"
76	358.7	33.3	29° 30' 44.9"	82° 58' 37.7"
77	391.7	33.0	29° 30' 45.6"	82° 58' 38.6"
78	420.7	29.0	29° 30' 46.3"	82° 58' 39.4"
79	452.7	32.0	29° 30' 47.0"	82° 58' 40.3"
80	475.4	22.7	29° 30' 47.5"	82° 58' 40.9"
81	515.4	40.0	29° 30' 48.3"	82° 58' 42.0"
82	553.1	37.7	29° 30' 49.2"	82° 58' 43.1"
83	587.7	34.6	29° 30' 50.2"	82° 58' 43.7"
84	639.2	51.5	29° 30' 51.8"	82° 58' 44.0"
85	676.2	37.0	29° 30' 53.0"	82° 58' 44.2"
86	704.0	27.8	29° 30' 53.9"	82° 58' 44.3"
87	737.8	33.8	29° 30' 55.0"	82° 58' 44.5"
88	774.0	36.2	29° 30' 56.1"	82° 58' 44.7"
89	804.3	30.3	29° 30' 57.1"	82° 58' 44.8"
90	845.0	40.7	29° 30' 58.4"	82° 58' 45.1"
91	889.5	44.5	29° 30' 59.9"	82° 58' 45.3"
92	917.4	27.9	29° 31' 00.8"	82° 58' 45.4"
93	970.1	52.7	29° 31' 02.5"	82° 58' 45.7"
94	1003.7	33.6	29° 31' 03.5"	82° 58' 45.9"

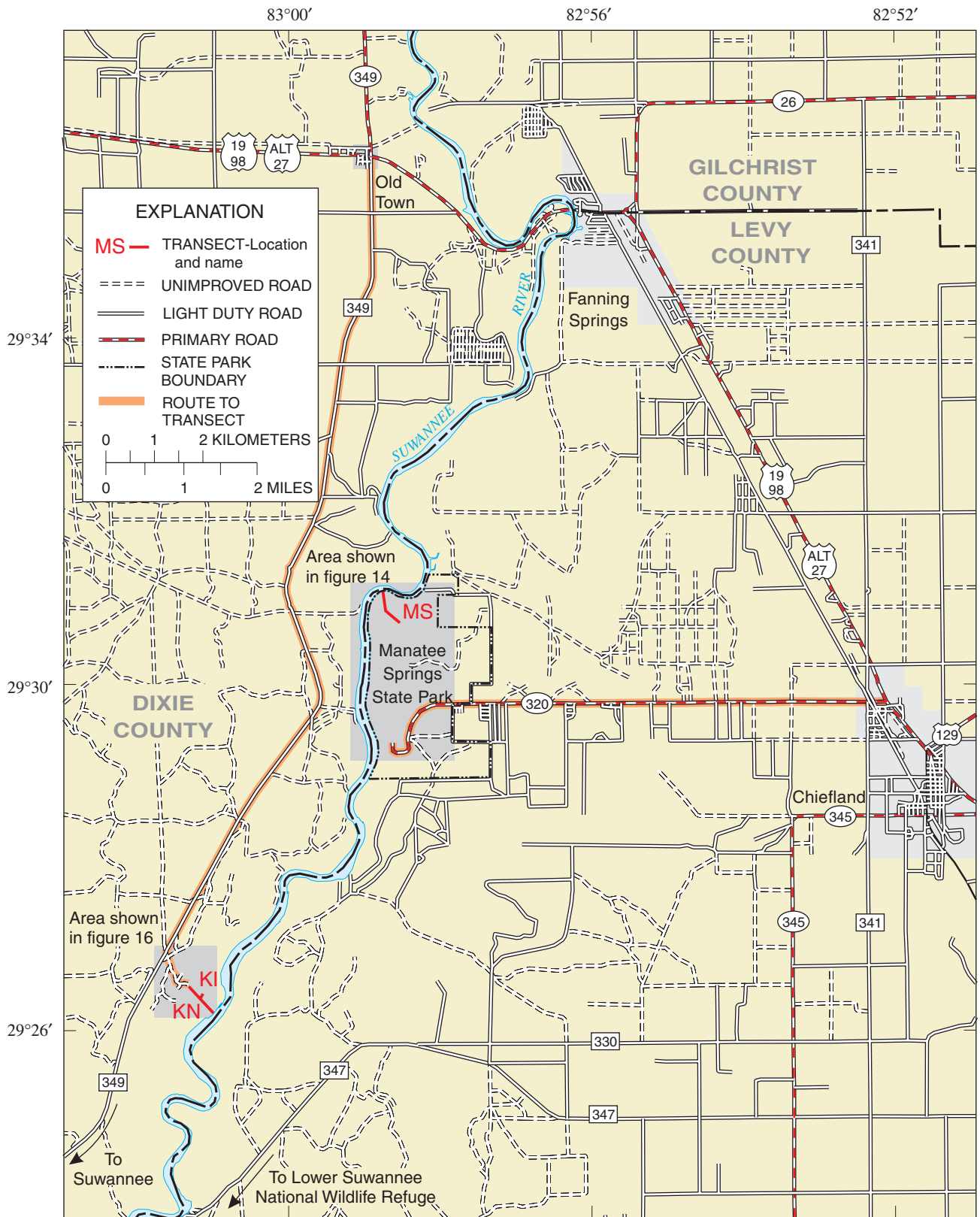


Figure 13. MS, KN and KI transect locations and surrounding area in the lower Suwannee River floodplain, Florida.

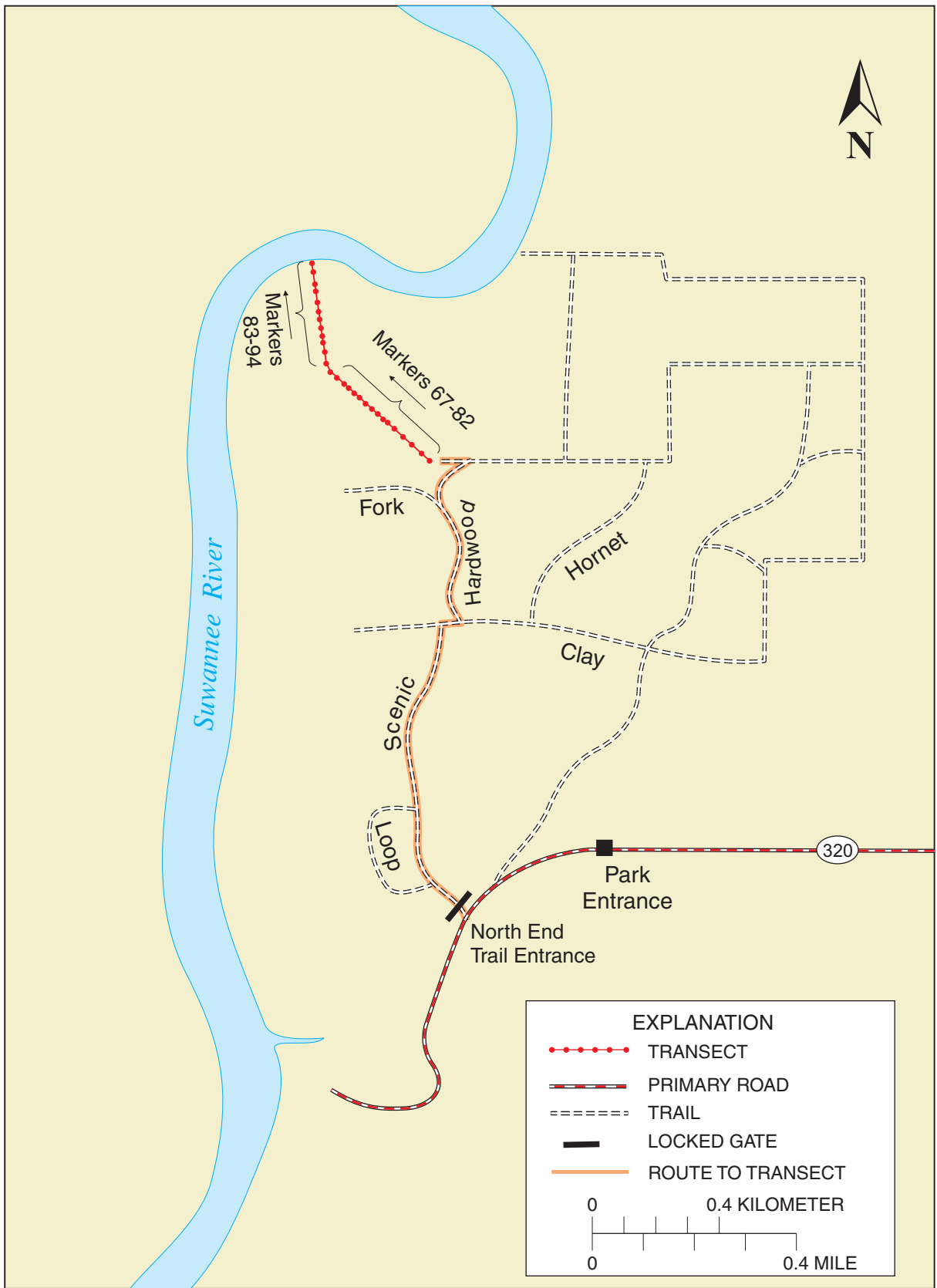


Figure 14. MS transect with marker locations and access roads in the lower Suwannee River floodplain, Florida.

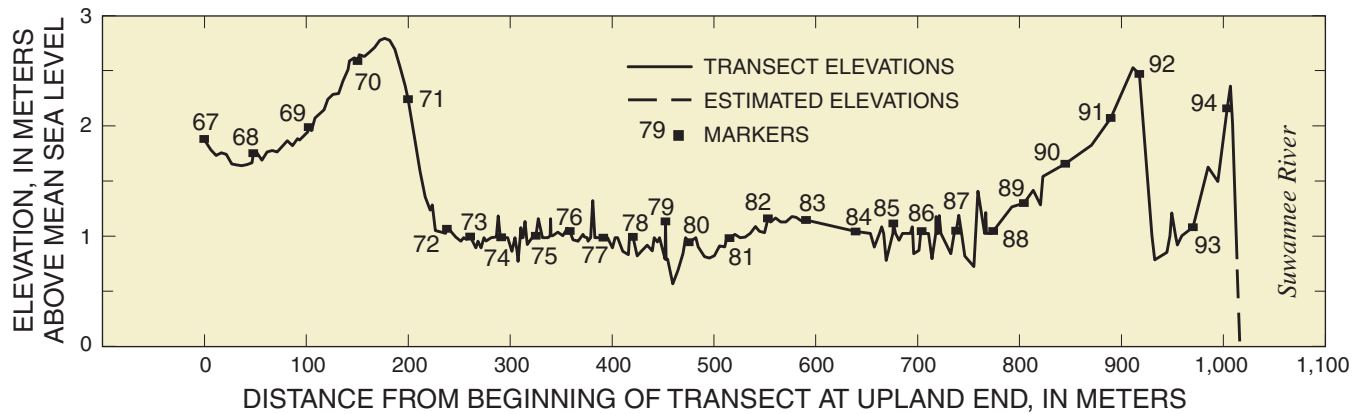


Figure 15. Land-surface elevations and marker locations at MS transect in the lower Suwannee River floodplain, Florida.

Keen and Keen Island (KN and KI)

KN and KI transects are located in the Lower Suwannee National Wildlife Refuge (LSNWR). Road access to this transect is restricted by a locked gate, therefore arrangements must be made with the Refuge Manager at (352) 493-0238 prior to field visits. The LSNWR Headquarters are located approximately 2 miles south of Fowlers Bluff, Florida on Highway 347.

KN and KI transects are located in southeastern Dixie County, west of the Suwannee River. To reach these transects from Old Town, Florida, go south on

County Road 349 (fig. 13). Travel 11.5 miles and turn left on the dirt road with a yellow gate at the entrance. Follow this road (fig. 16) until it forks; continue straight ahead (left fork) to a locked gate, proceed to the split in the road, take the right fork, then travel a short distance and take the left fork. Follow this road to the dead end.

KN transect is 734.1 m long and has a compass bearing of 140° from marker 95. The latitude and longitude of each marker are listed in table 6. KI is a 100 m transect that lies nearly perpendicular to KN. The beginning of KI is located

between KN markers 106 and 107 and this transect has a compass bearing of 30° from marker 122. The latitude and longitude of each marker on this transect are listed in table 7.

Land-surface elevations of the transects are presented in figures 17 and 18. The lowest elevations on KN transect occur in a marsh that lies between markers 120 and 121, and in a tidal creek near marker 114. Soils on most of the KN transect are continuously saturated mucks; however the soils on KI are usually dry and sandy.

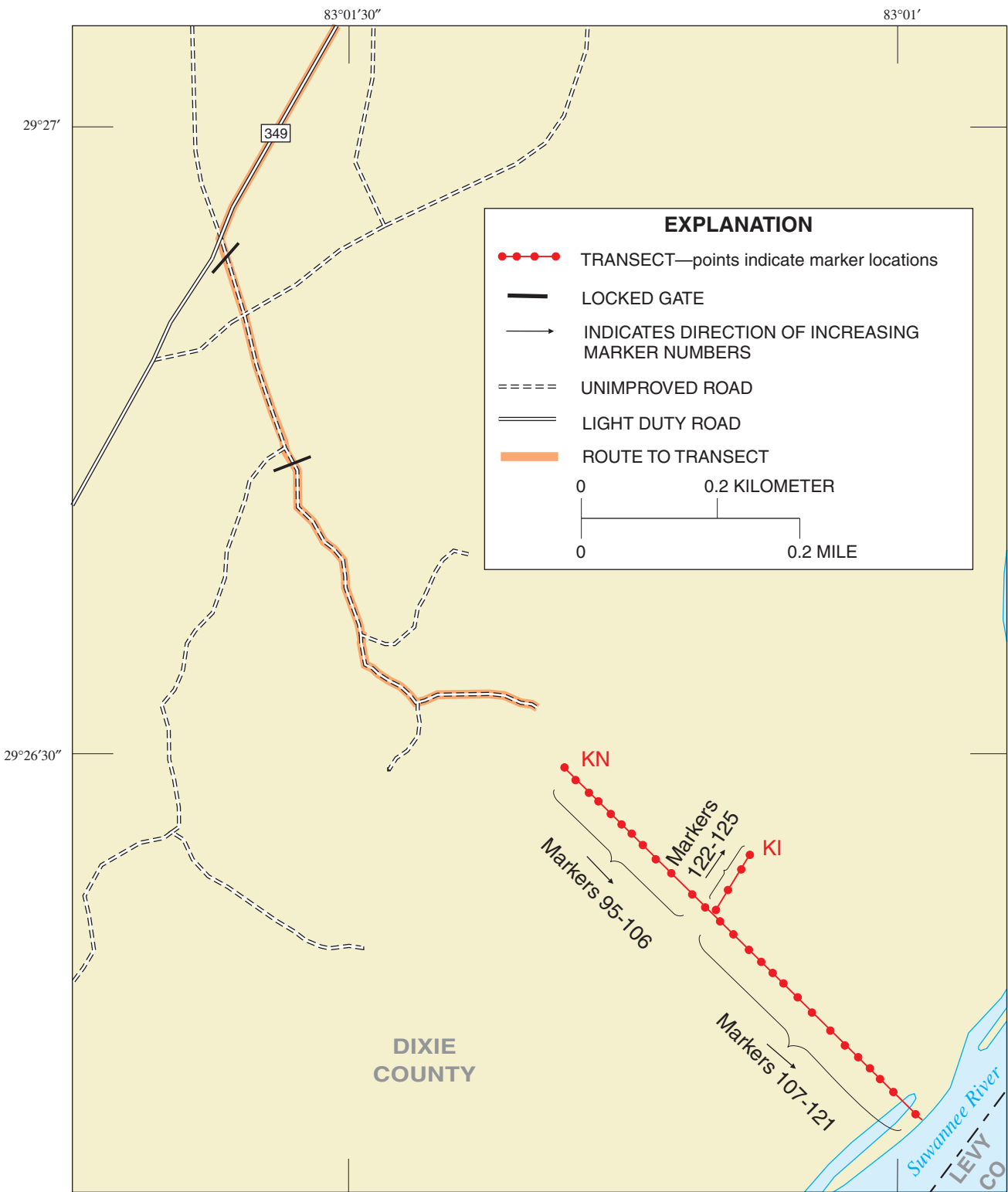


Figure 16. KN and KI transects with marker locations and access roads in the lower Suwannee River floodplain, Florida.

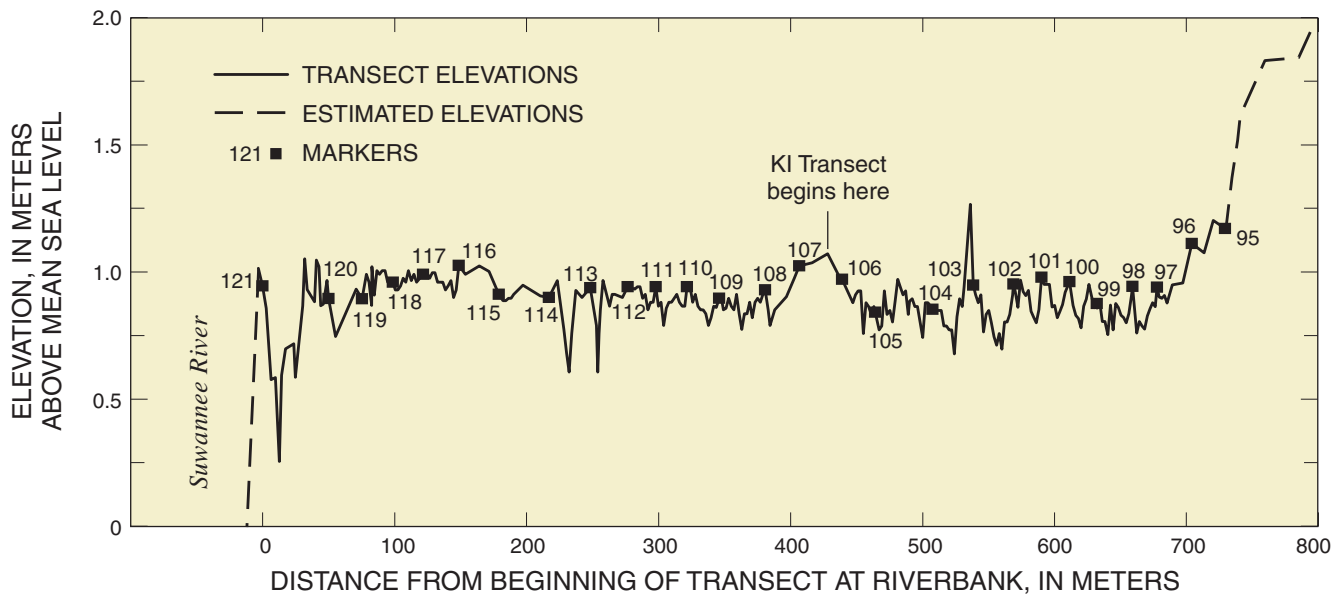


Figure 17. Land-surface elevations and marker locations at KN transect in the lower Suwannee River Floodplain, Florida.

Table 6. Marker locations on KN transect in the lower Suwannee River floodplain, Florida

Marker number	Distance from beginning of transect	Distance from previous marker	Latitude	Longitude
95	0.0	-	29° 26' 28.5"	83° 01' 18.8"
96	25.2	25.2	29° 26' 27.9"	83° 01' 18.1"
97	51.6	26.4	29° 26' 27.3"	83° 01' 17.4"
98	70.2	18.6	29° 26' 26.9"	83° 01' 16.9"
99	97.2	27.0	29° 26' 26.3"	83° 01' 16.2"
100	117.9	20.7	29° 26' 25.8"	83° 01' 15.7"
101	139.1	21.2	29° 26' 25.3"	83° 01' 15.1"
102	160.3	21.2	29° 26' 24.8"	83° 01' 14.5"
103	190.8	30.5	29° 26' 24.1"	83° 01' 13.7"
104	221.7	30.9	29° 26' 23.4"	83° 01' 12.9"
105	265.2	43.5	29° 26' 22.4"	83° 01' 11.8"
106	290.2	25.0	29° 26' 21.9"	83° 01' 11.1"
107	322.9	32.7	29° 26' 21.1"	83° 01' 10.3"
108	348.5	25.6	29° 26' 20.5"	83° 01' 09.6"
109	383.3	34.8	29° 26' 19.7"	83° 01' 08.6"
110	407.6	24.3	29° 26' 19.2"	83° 01' 08.0"
111	431.3	23.7	29° 26' 18.7"	83° 01' 07.4"
112	452.6	21.3	29° 26' 18.2"	83° 01' 06.8"
113	481.0	28.4	29° 26' 17.5"	83° 01' 06.1"
114	512.3	31.3	29° 26' 16.8"	83° 01' 05.2"
115	550.3	38.0	29° 26' 15.9"	83° 01' 04.2"
116	580.6	30.3	29° 26' 15.2"	83° 01' 03.4"
117	607.5	26.9	29° 26' 14.6"	83° 01' 02.7"
118	630.5	23.0	29° 26' 14.1"	83° 01' 02.1"
119	653.8	23.3	29° 26' 13.6"	83° 01' 01.5"
120	679.2	25.4	29° 26' 13.0"	83° 01' 00.8"
121	729.3	50.1	29° 26' 11.9"	83° 01' 59.5"

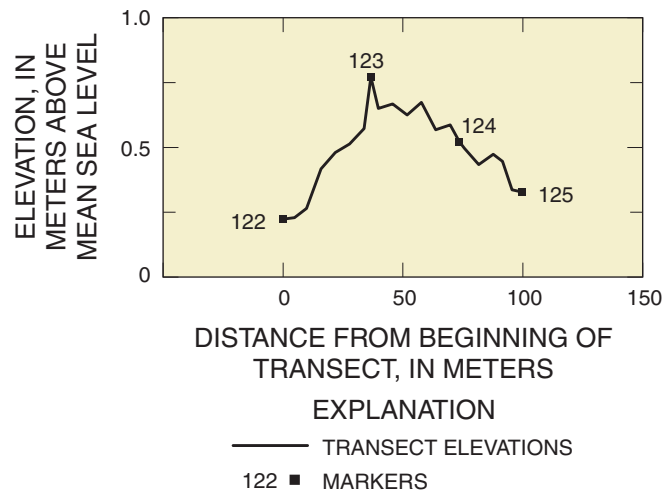


Figure 18. Land-surface elevations and marker locations at KI transect in the lower Suwannee River Floodplain, Florida.

Table 7. Marker locations on KI transect in the lower Suwannee River floodplain, Florida

Marker number	Distance from beginning of transect	Distance from previous marker	Latitude	Longitude
122	0.0	-	29° 26' 21.6"	83° 01' 10.5"
123	36.9	36.9	29° 26' 22.6"	83° 01' 09.8"
124	74.0	37.1	29° 26' 23.6"	83° 01' 09.1"
125	100.0	26.0	29° 26' 24.4"	83° 01' 08.6"

Turkey Island (TK)

TK transect is on LSNWR lands. A locked gate restricts access to the road leading to this transect. Contact the Refuge Manager at (352) 493-0238 to make arrangements to access this property. The location of the LSNWR Headquarters, approximately 2 miles south of Fowlers Bluff on Highway 347, is shown on the map in figure 19.

TK transect is located in western Levy County in the LSNWR, southeast of the Suwannee River. Public access roads in the refuge are highlighted in figure 19. The north entrance of the refuge is located 3.3 miles south of Fowlers Bluff, Florida, on County Road 347. To reach TK transect, turn west off of County Road 347 at the north entrance and follow this road 0.7 miles to a 90° turn to the left, then immediately look for a road on the right. Follow this road to the second sharp 90° turn to the left (fig. 20).

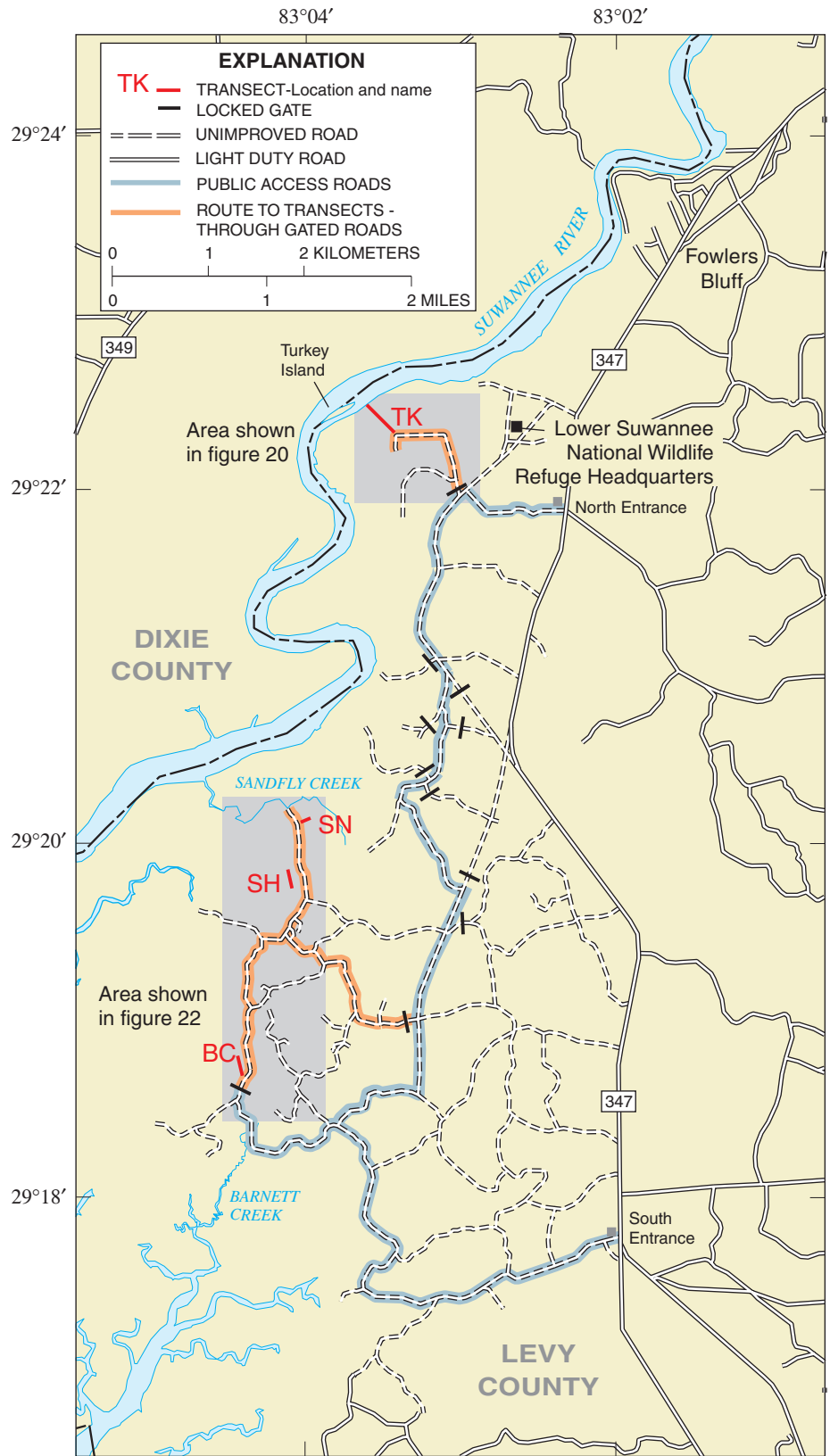


Figure 19. TK, SN, SH, and BC transect locations with surrounding area in the lower Suwannee River floodplain, Florida.

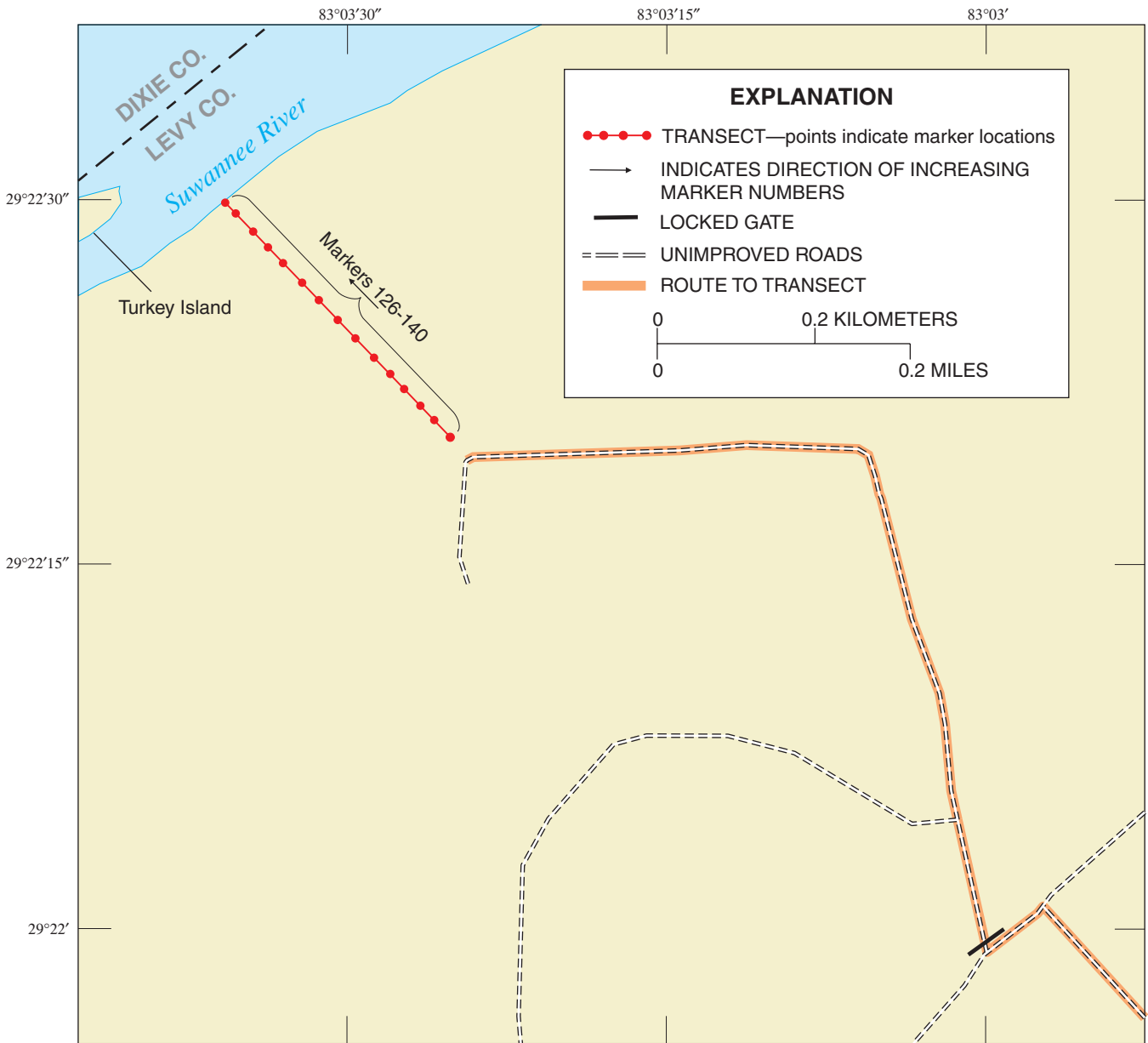


Figure 20. TK transect with marker locations and access roads in the lower Suwannee River floodplain, Florida.

TK is a 411.9-meter transect with a compass bearing of 320° from marker 126. Latitude and longitude of each marker on the transect are listed in table 8.

Land-surface elevations of the transect line are provided in

figure 21. The peaks that appear on the transect are hummocks, mounds around the bases of trees elevated above the surrounding ground. Hummocks are present at nearly all transects but are most commonly exist on those in

the lower tidal portion of the river. The lowest elevation on this transect is a tidal creek, located between markers 135 and 136, approximately 290 meters from the beginning of the transect.

Table 8. Marker locations on TK transect in the lower Suwannee River floodplain, Florida

Marker number	Distance from beginning of transect	Distance from previous marker	Latitude	Longitude
126	0.0	-	29° 22' 19.4"	83° 03' 25.7"
127	29.6	29.6	29° 22' 20.1"	83° 03' 26.5"
128	54.6	25.0	29° 22' 20.6"	83° 03' 27.1"
129	84.3	29.7	29° 22' 21.3"	83° 03' 27.9"
130	110.5	26.2	29° 22' 22.0"	83° 03' 28.5"
131	140.4	29.9	29° 22' 22.7"	83° 03' 29.3"
132	173.1	32.7	29° 22' 23.4"	83° 03' 30.1"
133	205.9	32.8	29° 22' 24.2"	83° 03' 31.0"
134	241.4	35.5	29° 22' 25.0"	83° 03' 31.9"
135	271.0	29.6	29° 22' 25.7"	83° 03' 32.7"
136	305.8	34.8	29° 22' 26.5"	83° 03' 33.6"
137	333.0	27.2	29° 22' 27.2"	83° 03' 34.3"
138	361.1	28.1	29° 22' 27.8"	83° 03' 35.0"
139	392.2	31.1	29° 22' 28.6"	83° 03' 35.8"
140	411.9	19.7	29° 22' 29.0"	83° 03' 36.3"

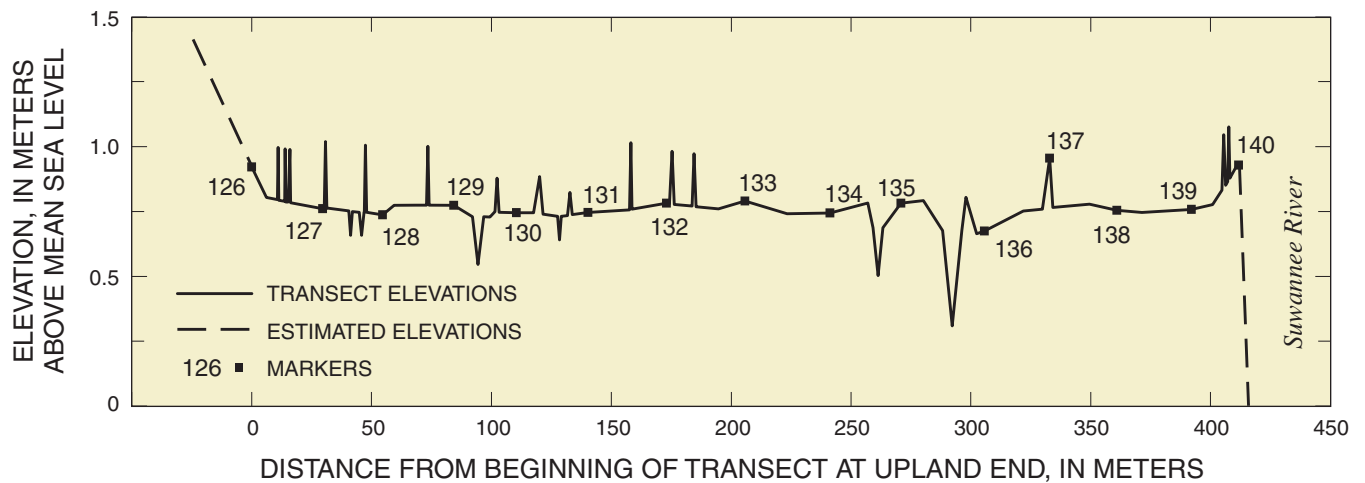
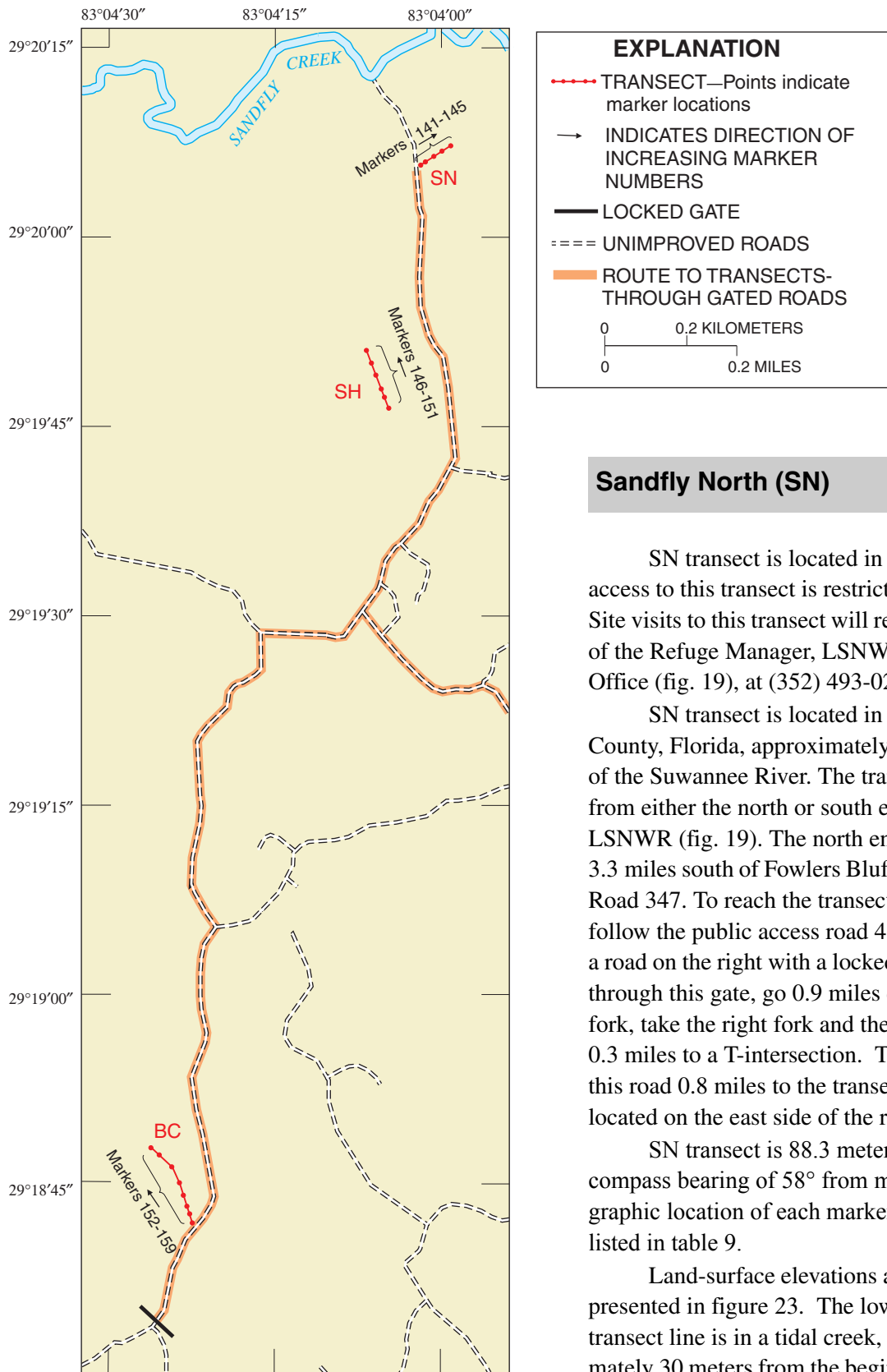


Figure 21. Land-surface elevations and marker locations at TK transect in the lower Suwannee River floodplain, Florida.



Sandfly North (SN)

SN transect is located in the LSNWR. Road access to this transect is restricted by a locked gate. Site visits to this transect will require the permission of the Refuge Manager, LSNWR Headquarters Office (fig. 19), at (352) 493-0238.

SN transect is located in western Levy County, Florida, approximately 0.5 mile southeast of the Suwannee River. The transect can be reached from either the north or south entrance to the LSNWR (fig. 19). The north entrance is located 3.3 miles south of Fowlers Bluff, Florida, on County Road 347. To reach the transect from this entrance follow the public access road 4.7 miles and look for a road on the right with a locked gate. After passing through this gate, go 0.9 miles down this road to a fork, take the right fork and then follow this road 0.3 miles to a T-intersection. Turn right and follow this road 0.8 miles to the transect. SN transect is located on the east side of the road (fig. 22).

SN transect is 88.3 meters long and has a compass bearing of 58° from marker 141. The geographic location of each marker on this transect is listed in table 9.

Land-surface elevations along the transect are presented in figure 23. The lowest elevation on the transect line is in a tidal creek, located approximately 30 meters from the beginning of the transect. Several hummocks were also surveyed along this transect.

Figure 22. SN, SH, and BC transects with marker locations and access roads in the lower Suwannee River floodplain, Florida.

Table 9. Marker locations on SN transect in the lower Suwannee River floodplain, Florida

Marker number	Distance from beginning of transect	Distance from previous marker	Latitude	Longitude
141	0.0	-	29° 20' 04.8"	83° 04' 02.4"
142	15.3	15.3	29° 20' 05.1"	83° 04' 02.0"
143	38.6	23.3	29° 20' 05.5"	83° 04' 01.2"
144	62.7	24.1	29° 20' 06.0"	83° 04' 00.5"
145	88.3	25.6	29° 20' 06.4"	83° 04' 59.7"

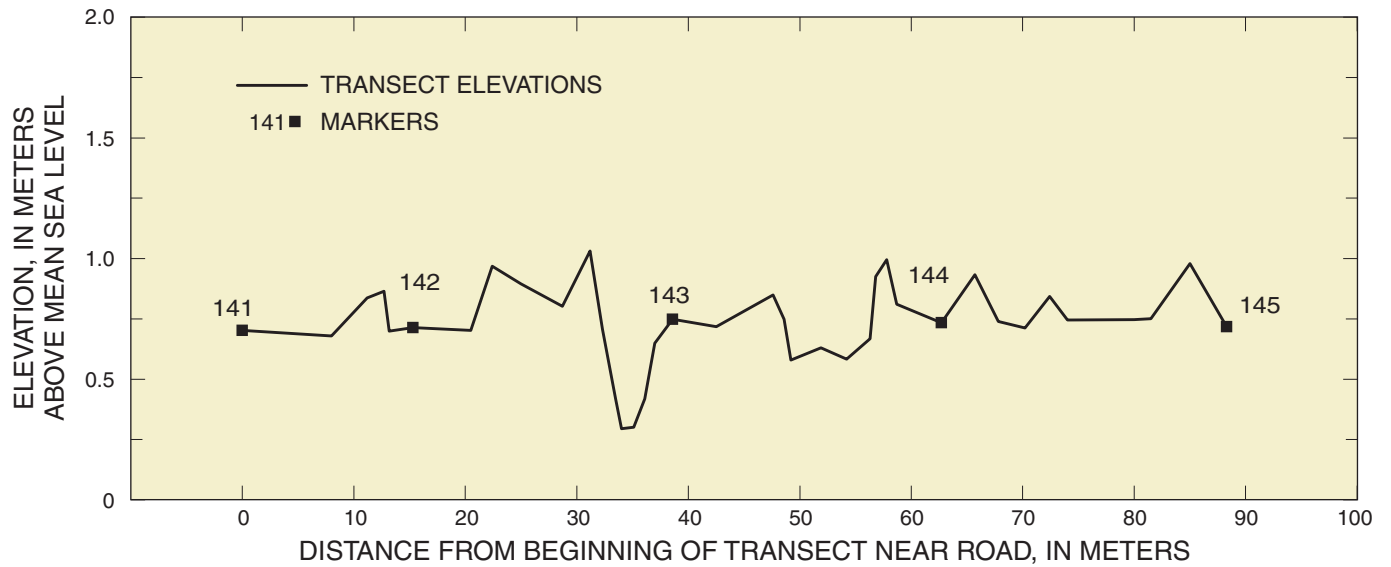


Figure 23. Land-surface elevations and marker locations at SN transect in the lower Suwannee River floodplain, Florida.

Sandfly Hammock (SH)

SH transect is located in the LSNWR. A locked gate restricts access to the roads to this transect. Access to this site will require permission from the LSNWR Refuge Manager, LSNWR Headquarters Office (fig. 19), at (352) 493-0238.

SH transect is located in western Levy County, Florida, approximately 0.8 mile southeast of the Suwannee River. The transect can be reached from either the north or south entrance to the refuge (fig. 19). The north entrance

is located approximately 3.3 miles south of Fowlers Bluff, Florida, on County Road 347. To reach the transect from this entrance follow the public access road 4.7 miles and look for a road on the right with a locked gate. After passing through this gate, go 0.9 miles down this road to a fork, take the right fork and then follow this road 0.3 miles to a T-intersection. Turn right and follow this road 0.3 miles to the transect. This transect is not visible from the road. SH is aligned parallel to the access road and is

located approximately 0.1 mile west of the road (fig. 22).

SH transect is 151 meters in length and has a compass bearing of 340° starting at marker 146. The latitude and longitude of each marker on the transect line are listed in table 10.

A cross-section of the transect line illustrates the land-surface elevations and marker locations along SH (fig. 24). The estimated elevations connect the transect to a nearby pond.

Table 10. Marker locations on SH transect in the lower Suwannee River floodplain, Florida

Marker number	Distance from beginning of transect	Distance from previous marker	Latitude	Longitude
146	0.0	-	29° 19' 45.6"	83° 04' 05.3"
147	28.6	28.6	29° 19' 46.5"	83° 04' 05.7"
148	50.0	21.4	29° 19' 47.1"	83° 04' 06.0"
149	86.0	36.0	29° 19' 48.2"	83° 04' 06.4"
150	117.4	31.4	29° 19' 49.2"	83° 04' 06.9"
151	151.0	33.6	29° 19' 50.2"	83° 04' 07.3"

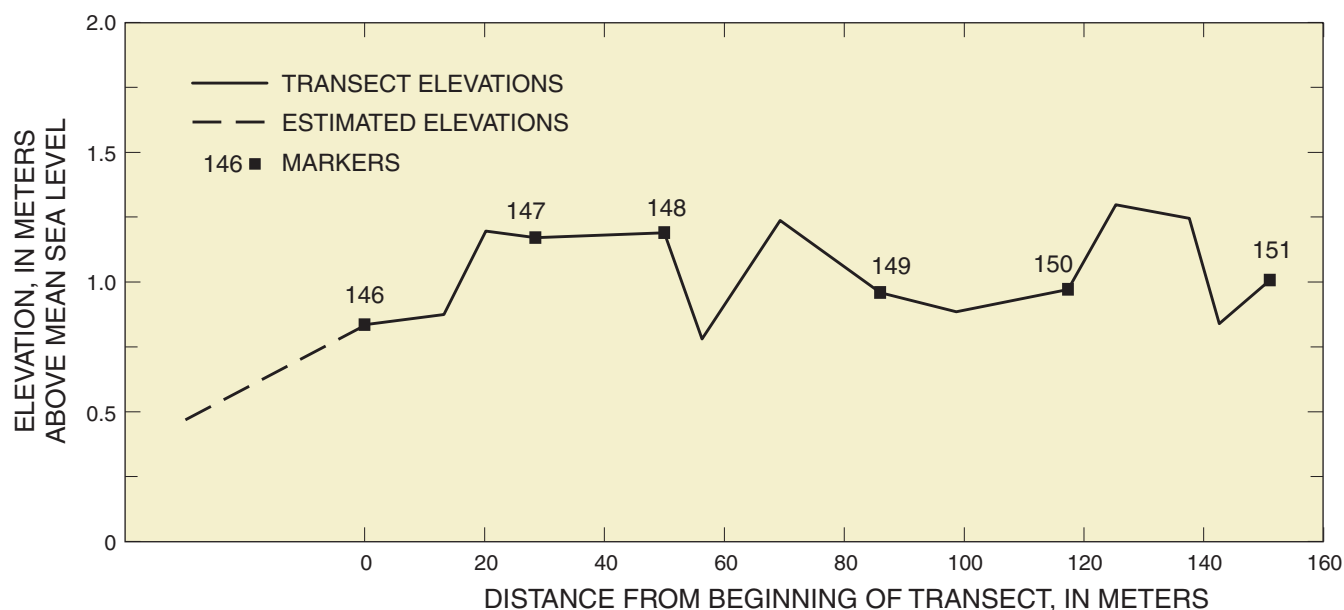


Figure 24. Land-surface elevations and marker locations at SH transect in the lower Suwannee River floodplain, Florida.

Barnett Creek (BC)

BC transect is located on LSNWR lands. The access road to BC transect is restricted by a locked gate. Contact the LSNWR Manager, Headquarters Office (fig. 19), at (352) 493-0238 for permission to access this area.

BC transect is located in western Levy County. The shortest route to the transect is through the south entrance of the LSNWR, but it is also accessible from the north

entrance (fig. 19). The south entrance is located 7.8 miles south of Fowlers Bluff, Florida, on County Road 347. Follow the public access road from this entrance approximately 4.3 miles to a locked gate. After passing through this gate, follow this road 0.2 miles to the transect. BC transect is located on the west side of the road (fig. 22).

BC transect is 215.6 meters long and has a compass bearing of 350° from marker 152 to 156; 344° from marker 156 to 157, and 320° from marker 157 to 159. The latitude and longitude of each marker are listed in table 11.

The surveyed elevations of the BC transect line are presented in figure 25. The estimated elevations near marker 152 represent a manmade roadside ditch.

Table 11. Marker locations on BC transect in lower Suwannee River Floodplain, Florida

Marker number	Distance from beginning of transect	Distance from previous marker	Latitude	Longitude
152	0.0	-	29° 18' 41.0"	83° 04' 23.0"
153	23.8	23.8	29° 18' 41.7"	83° 04' 23.2"
154	44.8	21.0	29° 18' 42.4"	83° 04' 23.5"
155	73.0	28.2	29° 18' 43.2"	83° 04' 23.8"
156	103.8	30.8	29° 18' 44.2"	83° 04' 24.1"
157	147.3	43.5	29° 18' 45.5"	83° 04' 24.8"
158	189.1	41.8	29° 18' 46.4"	83° 04' 26.0"
159	215.6	26.5	29° 18' 47.0"	83° 04' 26.7"

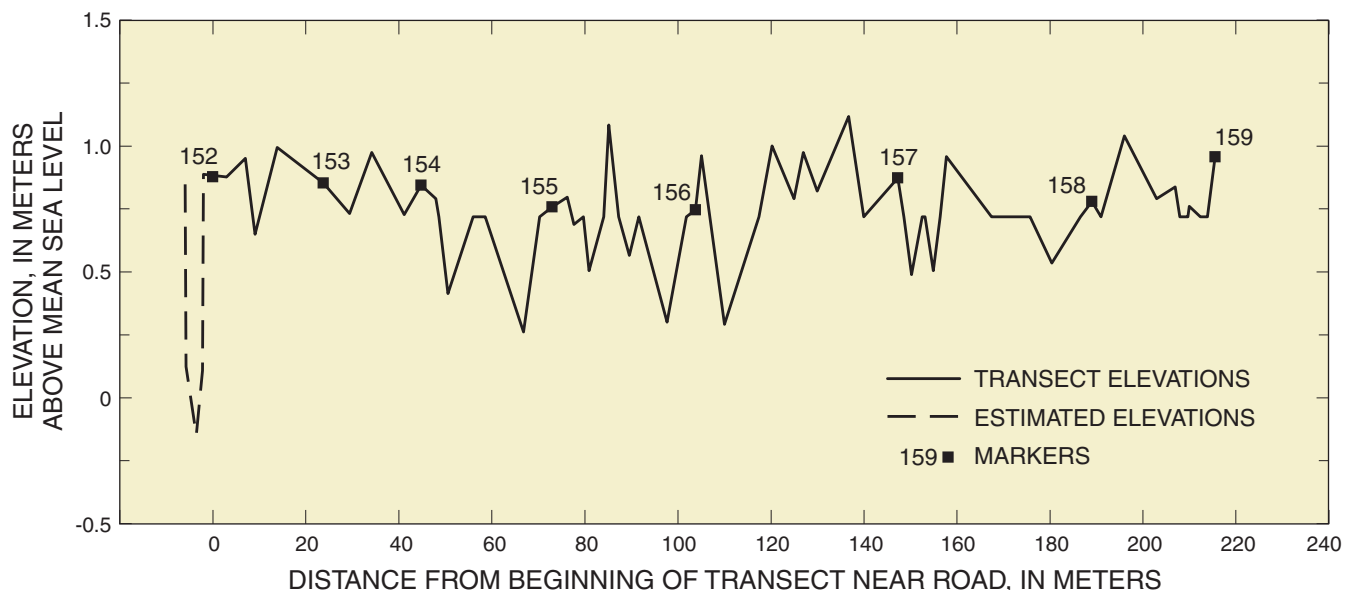


Figure 25. Land-surface elevations and marker locations at BC transect in the lower Suwannee River floodplain, Florida.

Lock (LK)

LK transect is located on LSNWR lands. Contact the Refuge Manager, LSNWR Headquarters Office (fig. 19), at (352) 493-0238 for permission to access this area.

LK is located near the town of Suwannee, Florida, in southern Dixie County. This transect is only accessible by river and there are several boat ramps in Suwannee, Florida, (fig. 26) that can be used as

launch sites. LK transect is located roughly halfway between Lock Creek and Demory Creek (fig. 27). A Global Positioning System (GPS) unit is needed to locate this site.

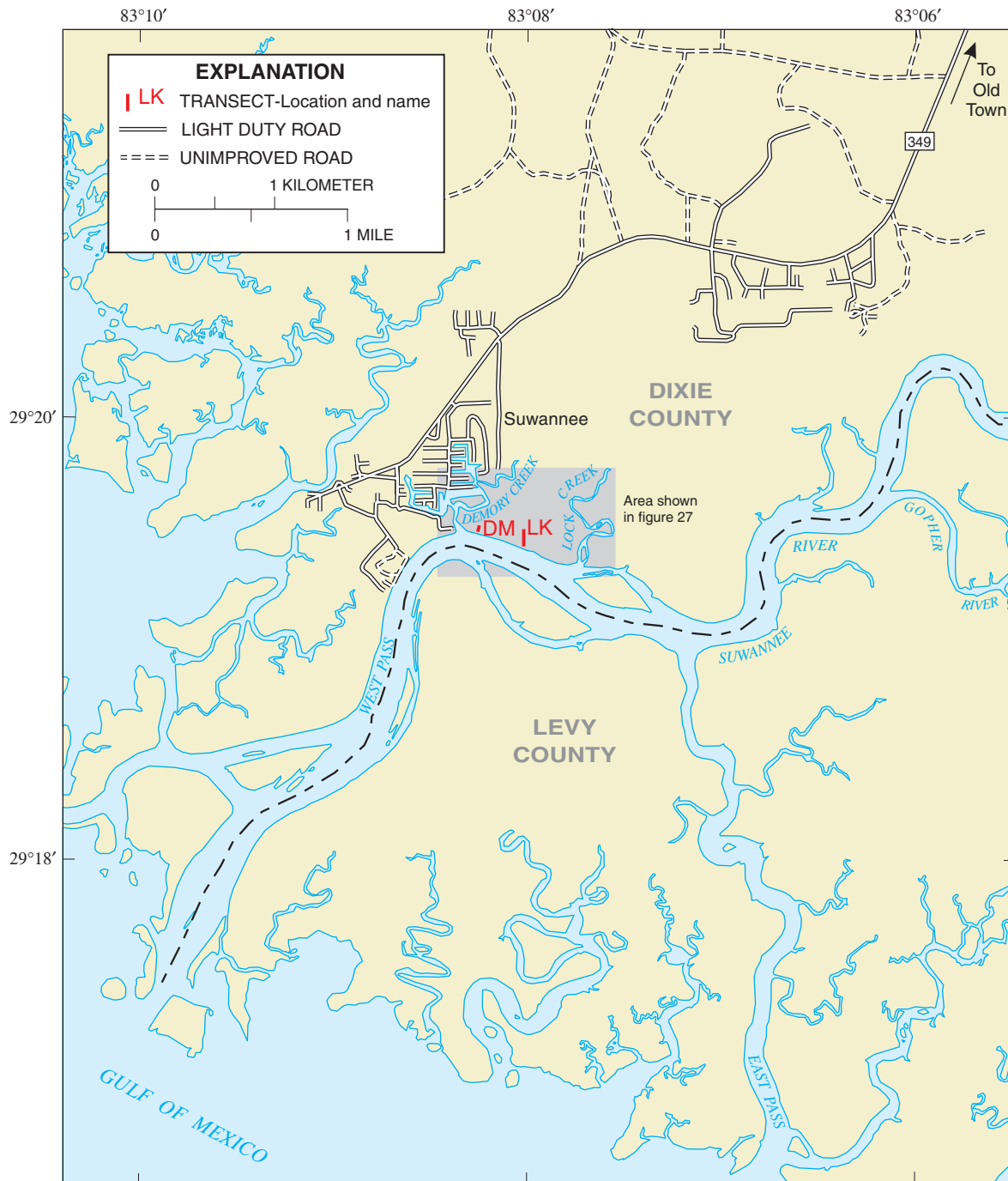


Figure 26. LK and DM transect locations and surrounding area in the lower Suwannee River floodplain, Florida.

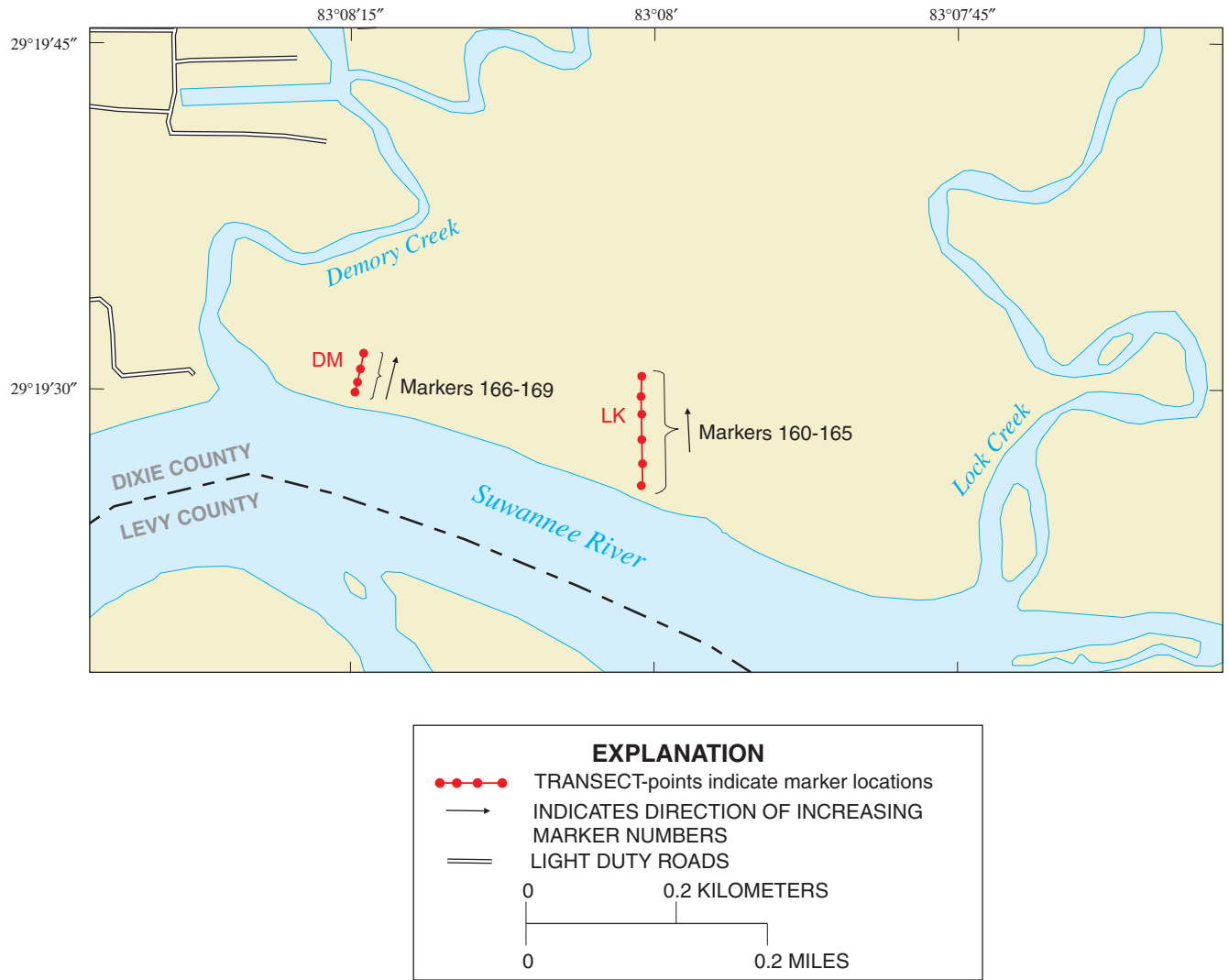


Figure 27. LK and DM transects with marker locations and access roads in the lower Suwannee River floodplain, Florida.

LK transect is 145.5 meters in length and has a compass bearing of 0° from markers 160 to 164, then changes course slightly to 3° between markers 164 and 165. The latitude and longitude of

each marker are presented in table 12.

A cross-section of the transect showing land-surface elevations (fig. 28) illustrates the hummock and mud floor microtopography at

this transect. The mud floor of this transect is covered by the high tide almost every day, but the tops of the hummocks are covered only during storm surges or major floods (fig. 16, Light and others, in press).

Table 12. Marker locations on LK transect in the lower Suwannee River floodplain, Florida

Marker number	Distance from beginning of transect	Distance from previous marker	Latitude	Longitude
160	0.0	-	29° 19' 25.0"	83° 08' 01.1"
161	28.7	28.7	29° 19' 26.0"	83° 08' 01.1"
162	61.0	32.3	29° 19' 27.0"	83° 08' 01.2"
163	93.5	32.5	29° 19' 28.1"	83° 08' 01.2"
164	117.4	23.9	29° 19' 28.9"	83° 08' 01.2"
165	145.5	28.1	29° 19' 29.7"	83° 08' 01.2"

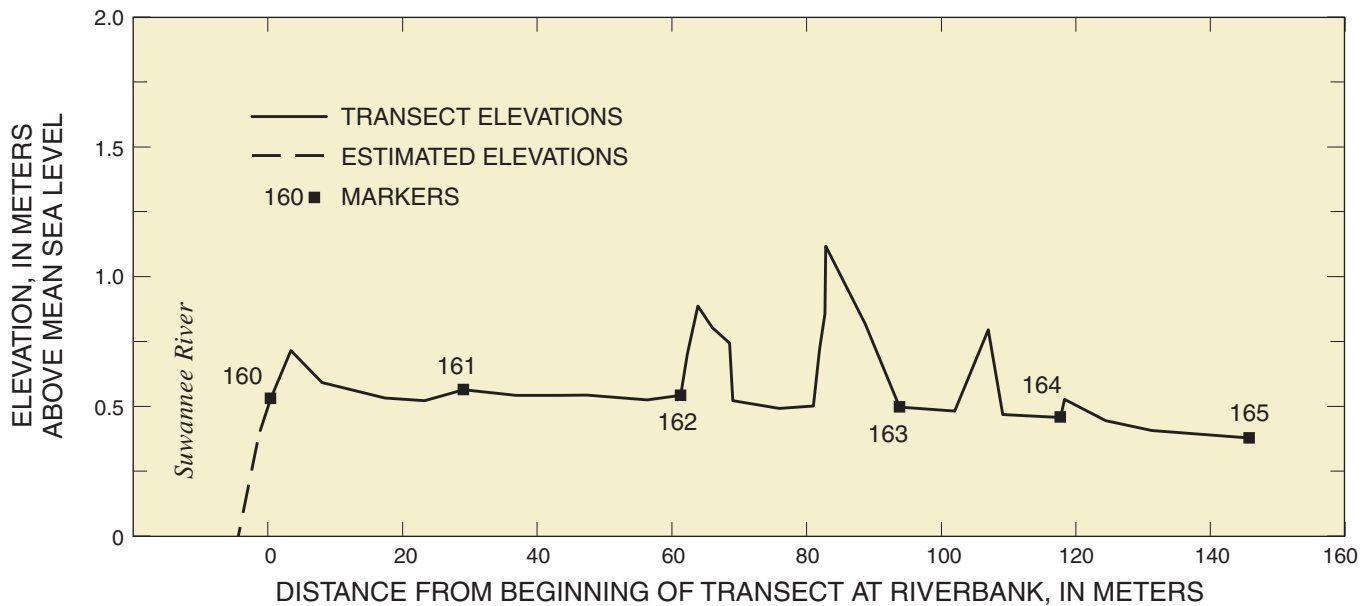


Figure 28. Land-surface elevations and marker locations at LK transect in the lower Suwannee River floodplain, Florida.

Demory (DM)

DM is located on land that is below the mean high water line and assumed to belong to the State of Florida according to State policy in effect at the time the transect was established. If this policy changes in the future, the landowner will need to be contacted for permission prior to accessing this transect.

DM transect is located near the town of Suwannee, Florida, in

southern Dixie County. The transect is only accessible by river and the nearest launch sites are located in the town of Suwannee, Florida (fig. 26). This transect is located near the mouth of Demory Creek (fig. 27). A GPS unit is required to locate the exact position of the transect along the river.

DM transect is 53.2 meters in length and is the shortest of the

established transects. This transect line follows a compass bearing of 14° from marker 166. The latitude and longitude of each marker is provided in table 13.

DM transect has the lowest elevations and least topographic relief of all of the transects (fig. 29). There are no hummocks on this transect, but the mud floor contains many exposed gnarly roots.

Table 13. Marker locations on DM transect in the lower Suwannee River floodplain, Florida

Marker number	Distance from beginning of transect	Distance from previous marker	Latitude	Longitude
166	0.0	-	29° 19' 29.0"	83° 08' 15.3"
167	13.3	13.3	29° 19' 29.4"	83° 08' 15.2"
168	31.3	18.0	29° 19' 30.0"	83° 08' 15.1"
169	53.2	21.9	29° 19' 30.7"	83° 08' 14.9"

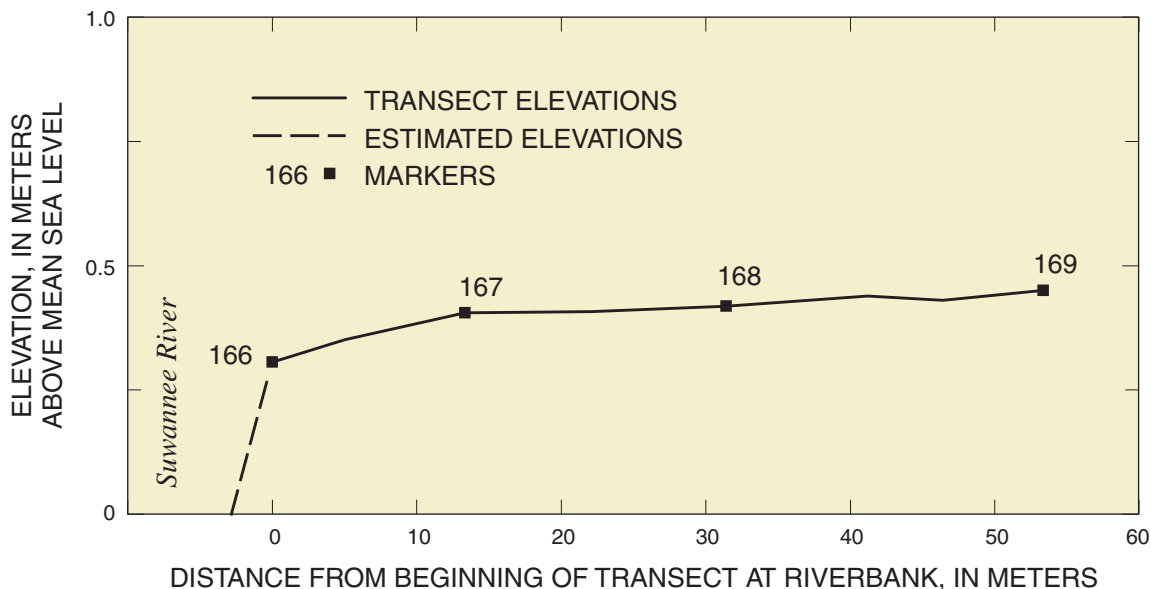


Figure 29. Land-surface elevations and marker locations at DM transect in the lower Suwannee River floodplain, Florida.

REFERENCES

- Clewell, A.F., 1985, Guide to the vascular plants of the Florida Panhandle: Tallahassee, Florida State University Press, 605 p.
- Darst, M.R., Light, H. M., and Lewis, L.J., 2002, Ground cover vegetation in wetland forests in the Lower Suwannee River floodplain, Florida, and potential impacts of flow reductions: U.S. Geological Survey Water-Resources Investigations Report 02-4027.
- Godfrey, R.K., 1988, Trees, shrubs, and woody vines of northern Florida and adjacent Georgia and Alabama: Athens, The University of Georgia Press, 734 p.
- Light, H.M., Darst, M.R., Lewis, L.J., and Howell, D.A., in press, Hydrology, vegetation, and soils of riverine and tidal floodplain forests of the lower Suwannee River, Florida, and potential impacts of flow reductions: U.S. Geological Survey Professional Paper 1656A.

Appendixes

Appendix 1. Canopy tree species and measurements and marker locations on transects in the lower Suwannee River floodplain, Florida

This appendix contains the following sections:

A	CF transect
B	LL transect
C	FK transect
D	MS transect
E	KN transect
F	KI transect
G	TK transect
H	SN transect
I	SH transect
J	BC transect
K	LK transect
L	DM transect

[cm, centimeters; m, meters; dbh, diameter at breast height; separate measurements for dbh are shown for trunks of multiple trunked trees greater than 4 cm]

List of tree species codes with scientific names and common name equivalents

[Plant nomenclature used in this report follows that by Godfrey (1988) unless otherwise indicated]

<u>Code</u>	<u>Scientific Name</u>	<u>Common name</u>
acerub	<i>Acer rubrum</i> L.	red maple
betnig	<i>Betula nigra</i> L.	river birch
carcar	<i>Carpinus caroliniana</i> Walt.	ironwood
caraqu	<i>Carya aquatica</i> (Michx. f.) Nutt.	water hickory
cargla	<i>Carya glabra</i> (Mill.) Sweet	pignut hickory
cellae	<i>Celtis laevigata</i> Nutt.	hackberry
cepocc	<i>Cephalanthus occidentalis</i> L.	buttonbush
corfoe	<i>Cornus foemina</i> Mill.	stiffcornel dogwood
crafla	<i>Crataegus flava</i> Ait.	yellow haw
cravir	<i>Crataegus viridis</i> L.	green haw
cyrrac	<i>Cyrilla racemiflora</i> L.	titi
diovir	<i>Diospyros virginiana</i> L.	persimmon
foracu	<i>Forestiera acuminata</i> (Michx.) Poir. in Lam.	swamp-privet
fracar	<i>Fraxinus caroliniana</i> Mill.	pop ash
frapro	<i>Fraxinus profunda</i> (Bush) Bush	pumpkin ash
gleaqu	<i>Gleditsia aquatica</i> Marsh.	water locust
ilecas	<i>Ilex cassine</i> L.	dahoon
iledec	<i>Ilex decidua</i> Walt. var. <i>curtissii</i> Fern.	possum-haw
ileopa	<i>Ilex opaca</i> Ait. var. <i>opaca</i>	American holly
junsil	<i>Juniperus silicicola</i> (Small) Bailey ¹	southern red cedar
liqsty	<i>Liquidambar styraciflua</i> L.	sweetgum
magvir	<i>Magnolia virginiana</i> L.	sweetbay
myrcer	<i>Myrica cerifera</i> L.	wax-myrtle
nysaqu	<i>Nyssa aquatica</i> L.	water tupelo
nysbif	<i>Nyssa biflora</i> Walt. ¹	swamp gum
nyssyl	<i>Nyssa sylvatica</i> Marsh. ¹	blackgum
ostvir	<i>Ostrya virginiana</i> (Mill.) K. Koch	eastern hophornbeam
perpal	<i>Persea palustris</i> (Raf.) Sarg.	swamp red bay
pinell	<i>Pinus elliottii</i> Engelm. var. <i>elliottii</i>	slash pine
pingla	<i>Pinus glabra</i> Walt.	spruce pine
pintae	<i>Pinus taeda</i> L.	planer-tree
plaaqu	<i>Planera aquatica</i> J. F. Gmel.	loblolly pine

Appendix 1. Canopy tree species and measurements and marker locations on transects in the lower Suwannee River floodplain, Florida (Continued)

quegem	<i>Quercus geminata</i> Small	sand live oak
quehem	<i>Quercus hemisphaerica</i> Bartr. ex Willd.	laurel oak
quelau	<i>Quercus laurifolia</i> Michx.	swamp laurel oak
quelyr	<i>Quercus lyrata</i> Walt.	overcup oak
quenig	<i>Quercus nigra</i> L.	water oak
quevir	<i>Quercus virginiana</i> Mill.	live oak
sabpal	<i>Sabal palmetto</i> Lodd. ex J. S. Shult. & J. H. Shult.	cabbage palm
salcar	<i>Salix caroliniana</i> Michx.	Carolina willow
salnig	<i>Salix nigra</i> L.	black willow
taxdis	<i>Taxodium distichum</i> (L.) L. C. Rich.	bald cypress
ulmala	<i>Ulmus alata</i> Michx.	winged elm
ulmame	<i>Ulmus americana</i> L.	American elm
ulmcra	<i>Ulmus crassifolia</i> Nutt.	cedar elm
vacarb	<i>Vaccinium arboreum</i> Marsh.	sparkleberry
vibobo	<i>Viburnum obovatum</i> Walt.	small viburnum
vitcin	<i>Vitis cinerea</i> (Engelm. ex Gray) Millardet <i>var. floridana</i> Munson	downy winter grape

¹Clewell (1985).

A CF: The sampling width of this transect is 10 meters, 5 meters on either side of the transect line

Distance from beginning of segment, in m	Tree species	Dbh, in cm	Side
<i>West Segment</i>			
0.0	<i>marker # 1</i>		
1.3	acerub	6.6	n
		8.6	
		9.8	
		10.2	
		12.3	
		11.3	
11.7			
1.5	taxdis	39.4	n
4.7	fracar	13.2	s
		7.0	
5.0	betnig	19.6	s
7.0	taxdis	52.3	s
8.8	acerub	13.1	s
		8.0	
11.0	taxdis	43.0	s
11.2	salcar	19.2	s
11.2	taxdis	43.3	n
11.7	acerub	16.0	n
12.1	plaaqu	10.4	s
12.6	plaaqu	11.2	n
13.0	plaaqu	15.6	s
		5.8	
14.1	fracar	10.0	n
14.8	cepocc	10.1	n
		6.1	
		9.5	
16.1	taxdis	47.0	s
16.4	cepocc	11.5	s
18.9	fracar	13.9	n
		8.9	
		8.6	
		9.6	
		11.0	
19.5	taxdis	35.9	s
20.1	<i>marker # 2</i>		
20.1	taxdis	34.9	s
21.5	taxdis	39.6	s
21.9	cepocc	12.3	s
26.5	plaaqu	15.3	n
27.6	plaaqu	10.1	n
		4.1	
29.4	plaaqu	11.8	n
29.5	plaaqu	11.2	n
30.7	plaaqu	18.6	n

Distance from beginning of segment in m	Tree species	Dbh, in cm	Side
30.8	plaaqu	11.5	n
32.9	plaaqu	10.9	s
		14.0	
33.0	fracar	11.9	s
		6.6	
34.3	plaaqu	10.3	s
		4.9	
34.3	taxdis	38.2	n
34.6	plaaqu	11.2	n
		9.0	
35.2	plaaqu	15.1	s
35.8	plaaqu	15.5	n
36.2	taxdis	49.6	s
37.4	cepocc	10.3	s
37.6	plaaqu	13.4	n
39.8	taxdis	34.6	n
40.1	taxdis	41.7	n
40.7	cepocc	10.0	s
		7.0	
		6.7	
41.6	cepocc	10.5	n
		6.4	
41.6	taxdis	41.8	n
42.1	plaaqu	27.8	s
		5.5	
		5.6	
		12.5	
		8.3	
10.5			
43.8	gleaqu	30.5	n
44.4	fracar	10.4	s
		6.5	
44.6	<i>marker # 3</i>		
46.8	taxdis	32.0	n
47.8	gleaqu	20.6	n
47.8	plaaqu	10.9	s
		11.2	
48.2	taxdis	49.3	s
49.0	taxdis	37.1	n
50.7	taxdis	36.6	n
51.1	betnig	27.0	s
54.0	fracar	11.3	s
		7.2	
54.7	gleaqu	21.0	n
57.2	taxdis	16.4	n
59.0	fracar	13.1	s

A CF: The sampling width of this transect is 10 meters, 5 meters on either side of the transect line (Continued)

Distance from beginning of segment, in m	Tree species	Dbh, in cm	Side
59.7	cepocc	12.0	s
60.0	fracar	11.5	n
62.6	fracar	8.7	n
		12.4	n
		10.5	
		9.6	
63.7	fracar	11.3	n
65.1	fracar	11.2	n
65.1	taxdis	48.4	s
65.2	fracar	11.3	s
68.3	<i>marker # 4</i>		
69.6	gleaqu	16.7	n
69.9	fracar	10.1	n
70.0	fracar	11.9	n
		5.5	
70.1	betnig	24.7	n
70.1	fracar	14.3	n
71.1	plaaqu	16.0	n
		4.3	
71.5	fracar	12.1	s
72.5	gleaqu	20.2	s
73.5	plaaqu	13.8	n
74.5	fracar	13.4	n
		7.1	
75.9	fracar	14.6	n
76.8	gleaqu	25.6	n
		20.0	
77.9	fracar	10.9	s
		12.6	
80.0	taxdis	17.9	n
80.0	taxdis	17.8	s
80.5	fracar	10.7	s
		7.8	
		6.3	
		5.9	
81.0	plaaqu	18.7	s
		8.1	
81.2	fracar	10.6	n
		7.2	
		6.9	
82.8	fracar	14.4	s
83.8	taxdis	17.2	n
84.0	taxdis	18.9	n
84.6	plaaqu	22.8	s
		10.8	
85.6	snag	12.1	s
85.8	plaaqu	17.2	s

Distance from beginning of segment in m	Tree species	Dbh, in cm	Side
86.6	salcar	11.0	s
87.3	salcar	10.1	n
87.9	salcar	12.6	s
88.6	<i>marker # 5</i>		
89.9	betnig	12.5	n
89.9	salcar	15.7	s
91.1	salnig	12.6	n
95.1	quelyr	24.1	n
99.6	quelau	14.2	n
100.8	liqsty	23.0	n
101.1	quelau	25.6	n
102.0	liqsty	18.6	n
102.1	liqsty	20.0	s
102.3	quelau	17.5	n
102.3	taxdis	18.8	s
102.8	quelau	12.1	n
102.8	taxdis	16.9	s
103.1	snag	19.4	s
		17.5	
104.3	quelau	20.7	s
105.4	betnig	12.8	s
		11.7	
105.4	taxdis	13.1	n
105.6	betnig	13.9	s
115.5	<i>marker # 6</i>		
115.9	quelau	35.2	s
120.0	quelau	25.4	s
120.5	cyrrac	10.0	n
		6.8	
123.5	nyssyl	27.5	n
		25.0	
128.3	<i>marker # 7</i>		
<i>East Segment</i>			
0.0	<i>marker # 8</i>		
0.6	cravir	10.6	s
		10.1	
2.2	betnig	6.0	s
		14.6	
2.7	quelau	57.4	n
3.9	betnig	14.4	s
4.3	quelau	47.4	n
5.8	taxdis	24.0	n
10.6	betnig	20.0	s
10.6	betnig	16.2	s
12.2	gleaqu	22.1	s
12.9	liqsty	23.9	s
13.3	taxdis	34.5	s

A CF: The sampling width of this transect is 10 meters, 5 meters on either side of the transect line (Continued)

Distance from beginning of segment, in m	Tree species	Dbh, in cm	Side
13.7	liqsty	10.0	n
13.8	taxdis	29.0	s
14.8	taxdis	17.5	n
15.2	taxdis	24.6	n
16.1	plaaqu	36.0	s
16.5	plaaqu	25.3	n
		6.6	
		5.9	
17.3	taxdis	22.4	n
17.3	taxdis	23.9	n
17.3	taxdis	48.0	n
18.0	plaaqu	22.0	n
		22.1	
		9.0	
		20.0	
19.9	fracar	12.6	s
		9.6	
22.1	marker # 9		
23.7	acerub	21.9	s
24.1	snag	20.0	n
24.5	acerub	10.5	s
24.7	gleaqu	14.4	s
26.5	betnig	21.1	n
28.5	fracar	9.5	s
		11.1	
		8.6	
29.5	fracar	11.6	s
		9.3	
		4.1	
		6.5	
		6.4	
		9.6	
		8.0	
		4.7	
6.5			
33.7	gleaqu	15.5	n
34.1	betnig	12.6	s
34.5	cepocc	12.5	s
37.4	taxdis	30.9	s
		15.3	
38.1	plaaqu	19.9	s
		10.4	
		4.8	
		7.5	
		8.0	

Distance from beginning of segment in m	Tree species	Dbh, in cm	Side	
39.1	taxdis	29.7	n	
		30.0		
		10.5		
		39.0		
39.9	taxdis	31.5	s	
		24.3		
		17.3		
		28.5		
40.8	plaaqu	34.0	s	
42.1	taxdis	37.1	n	
		29.0		
47.1	fracar	12.8	s	
		12.2		
		8.0		
47.3	taxdis	11.5	n	
		11.1		
		27.5		
		26.7		
		22.8		
49.4	fracar	21.4	s	
		25.6		
		13.7		s
		11.2		
8.5				
53.3	fracar	12.3	n	
		6.4		
		5.8		
		9.2		
		6.2		
53.7	taxdis	9.7	n	
		7.4		
54.2	betnig	7.2	n	
		19.7		
		marker # 10		
56.0	taxdis	11.9	n	
		23.3		
		21.0		
56.6	taxdis	27.7	n	
		12.5		
		24.3		
		30.1		
58.0	taxdis	27.9	s	
		19.4		
		17.2		
		38.0		
		17.0		

A CF: The sampling width of this transect is 10 meters, 5 meters on either side of the transect line (Continued)

Distance from beginning of segment, in m	Tree species	Dbh, in cm	Side
58.5	taxdis	40.8	s
59.1	taxdis	44.7	n
60.4	taxdis	23.0	n
61.5	betnig	10.7	n
63.2	plaaqu	42.3	s
64.1	betnig	12.4	s
65.0	taxdis	40.6	s
69.7	fracar	10.6	n
		5.4	
		8.9	
		7.5	
		9.4	
		6.9	
		8.2	
		10.0	
9.9			
71.2	taxdis	27.8	n
		25.9	
		23.8	
79.2	taxdis	45.2	n
79.9	<i>marker # 11</i>		
79.8	taxdis	12.8	n
		29.0	
		37.1	
84.1	taxdis	42.5	n
88.3	plaaqu	4.5	n
		8.6	
		11.4	
		12.3	
		12.5	
		8.7	
		8.3	
		21.6	
10.3			
16.9			
88.4	taxdis	35.0	s
88.9	taxdis	30.4	n
92.7	taxdis	32.6	n
95.1	plaaqu	18.8	s
		8.8	
95.8	betnig	10.6	s
97.7	taxdis	44.5	n
99.1	taxdis	35.6	n
100.4	taxdis	19.9	s
		26.4	
		26.0	
		27.3	
		29.1	
		24.9	

Distance from beginning of segment in m	Tree species	Dbh, in cm	Side
102.4	fracar	10.4	s
		6.0	
		10.8	
		7.4	
		8.4	
5.7			
103.7	fracar	12.3	n
		12.4	
		12.5	
		4.7	
105.0	fracar	12.3	n
		7.3	
		10.1	
		8.9	
106.8	<i>marker # 12</i>		
107.8	taxdis	25.5	s
107.9	taxdis	27.3	n
107.9	taxdis	37.4	n
108.9	taxdis	32.6	n
109.9	taxdis	33.0	s
110.3	gleaqu	18.6	n
110.8	fracar	8.0	n
		10.2	
		11.5	
		4.9	
		9.0	
5.2			
113.8	plaaqu	14.4	n
114.2	betnig	20.0	n
114.4	plaaqu	12.9	s
		6.0	
116.2	caraqu	14.5	s
117.3	plaaqu	14.8	s
117.5	gleaqu	11.7	n
117.7	plaaqu	17.6	n
117.9	betnig	15.5	s
		12.1	
118.0	plaaqu	20.5	n
		7.0	
119.8	fracar	12.5	n
		8.0	
		8.6	
		7.4	
120.4	fracar	12.4	n
		9.6	
		4.0	
121.4	plaaqu	10.1	s
122.7	taxdis	45.2	n
123.1	gleaqu	27.4	s

A CF: The sampling width of this transect is 10 meters, 5 meters on either side of the transect line (Continued)

Distance from beginning of segment, in m	Tree species	Dbh, in cm	Side
124.5	acerub	14.3	n
128.5	quelau	10.5	n
129.4	<i>marker # 13</i>		
130.1	liqsty	45.5	n
130.6	carcar	15.5	n
131.4	betnig	35.9	n
131.4	liqsty	23.3	s
133.0	snag	10.9	s
133.2	ulmame	18.0	n
135.9	ulmame	19.5	n
136.1	carcar	12.3	s
		6.4	
141.7	liqsty	23.5	s
144.3	liqsty	30.0	n
146.4	taxdis	36.4	s
147.9	carcar	21.1	n
		6.8	
148.8	carcar	10.3	s
149.9	carcar	15.8	n
154.1	carcar	13.8	n
156.6	carcar	13.9	s
157.3	quevir	43.8	s
158.7	<i>marker # 14</i>		
158.8	liqsty	10.4	n
159.1	quevir	65.5	n
161.7	snag	57.8	n
162.6	liqsty	11.9	s
167.4	liqsty	11.8	s
167.5	cargla	27.0	n
168.3	liqsty	15.6	s
169.3	quenig	31.7	n
172.0	carcar	20.3	n
		4.0	
176.3	liqsty	13.8	n
177.0	liqsty	13.6	s
179.0	carcar	11.4	n
180.7	carcar	15.9	n
181.6	carcar	16.0	n
182.8	nysbif	11.9	s
183.0	carcar	12.0	n
184.0	carcar	13.1	s
184.4	carcar	15.0	s
186.5	carcar	14.3	s
186.6	carcar	12.5	s
187.8	<i>marker # 15</i>		

Distance from beginning of segment in m	Tree species	Dbh, in cm	Side
189.0	carcar	10.2	n
194.9	liqsty	28.4	n
198.7	carcar	15.7	n
201.4	liqsty	11.8	n
201.6	quenig	43.8	n
202.1	liqsty	12.9	n
205.5	liqsty	17.4	n
206.2	snag	24.0	s
208.3	carcar	14.4	s
		14.5	
210.4	snag	20.0	n
211.1	carcar	13.3	n
212.7	liqsty	35.1	n
213.8	carcar	10.9	s
214.4	ulmala	18.7	s
215.5	acerub	20.6	n
216.3	<i>marker # 16</i>		
218.3	quenig	36.0	s
220.3	ileopa	11.4	n
221.4	carcar	12.5	s
232.7	nysbif	16.8	s
233.8	nysbif	32.5	s
234.9	carcar	20.5	n
235.2	<i>marker # 17</i>		
241.0	liqsty	29.0	s
243.5	taxdis	17.7	n
243.7	quelau	28.0	n
244.8	liqsty	36.1	s
246.6	taxdis	17.8	s
251.7	taxdis	41.6	n
252.7	liqsty	10.8	n
252.8	cravir	18.6	n
253.5	taxdis	12.5	s
255.9	fracar	7.0	s
		14.3	
		5.3	
		4.4	
		7.0	
	7.8		
256.7	<i>marker # 18</i>		
257.6	plaaqu	52.4	s
		30.7	
258.0	taxdis	33.9	s
260.2	quelyr	51.5	n

A CF: The sampling width of this transect is 10 meters, 5 meters on either side of the transect line (Continued)

Distance from beginning of segment, in m	Tree species	Dbh, in cm	Side
262.9	fracar	4.5	n
		8.4	
		11.6	
266.6	plaaqu	35.0	s
268.0	plaaqu	29.7	n
		6.0	
		13.2	
270.3	plaaqu	24.0	n
277.2	ulmame	19.0	n
280.1	ulmame	15.9	s
281.2	ulmame	17.7	s
284.7	acerub	10.3	n
286.1	<i>marker # 19</i>		
288.1	quelau	17.6	s
289.5	caraqu	11.9	s
290.6	acerub	13.5	n
293.5	betnig	15.5	s
294.1	carcar	15.4	n
296.3	liqsty	11.8	n
298.5	liqsty	14.4	n
300.7	liqsty	11.8	n
300.8	<i>marker # 20</i>		
301.5	carcar	13.6	s
302.5	carcar	22.7	n
302.6	carcar	25.2	s
304.7	snag	81.0	s
308.1	betnig	17.1	n
308.1	betnig	17.5	n
308.5	salcar	11.8	s
310.7	<i>marker # 21</i>		
311.1	betnig	10.0	n
312.7	taxdis	45.0	n
312.7	taxdis	62.0	s

B LL: The sampling width of this transect is 5 meters on the west side of the transect line.

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
-4.6	betnig	14.0	w
-4.5	betnig	13.0	w
		21.7	
0.0	<i>marker # 22</i>		
20.3	foracu	11.3	w
		5.1	
		6.4	
		8.7	
		4.2	
		8.2	
29.8	plaaqu	24.6	w
31.8	<i>marker # 23</i>		
32.0	foracu	10.4	w
		4.3	
		5.9	
39.1	plaaqu	29.6	w
39.6	fracar	36.8	w
		4.1	
		4.4	
49.2	plaaqu	49.9	w
49.8	gleaqu	49.7	w
50.4	gleaqu	58.9	w
52.3	plaaqu	51.1	w
53.0	plaaqu	32.7	w
61.7	taxdis	45.7	w
65.9	iledec	11.2	w
		5.4	
69.2	<i>marker # 24</i>		
84.1	foracu	10.9	w
		7.4	
		5.9	
88.8	foracu	16.7	w
		10.2	
		5.9	
		10.0	
		4.5	
		4.7	
98.0	cravir	10.8	w
		4.8	
		8.2	
98.8	plaaqu	38.7	w
102.9	betnig	30.8	w
103.5	gleaqu	27.9	w
104.5	<i>marker # 25</i>		

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
110.4	taxdis	35.7	w
110.6	<i>marker # 26</i>		
113.6	<i>marker # 27</i>		
114.5	plaaqu	41.2	w
121.9	foracu	14.5	w
		8.2	
122.8	foracu	11.8	w
124.9	foracu	12.2	w
		7.1	
		10.9	
127.4	foracu	10.2	w
134.0	foracu	15.7	w
140.3	<i>marker # 28</i>		
141.7	caraqu	59.4	w
142.1	foracu	14.5	w
146.3	cellae	10.1	w
152.6	foracu	10.5	w
161.7	plaaqu	57.3	w
162.0	plaaqu	37.1	w
162.9	<i>marker # 29</i>		
170.4	fracar	24.5	w
		19.8	
		4.2	
183.1	plaaqu	14.8	w
		6.1	
184.1	plaaqu	24.5	w
		4.4	
		5.2	
184.2	<i>marker # 30</i>		
187.0	fracar	19.5	w
		5.8	
		4.2	
		5.0	
190.4	plaaqu	19.9	w
190.5	plaaqu	34.4	w
		20.5	
197.1	fracar	11.8	w
		4.9	
200.5	taxdis	63.0	w
204.2	fracar	13.6	w
		9.8	
		6.0	
204.7	fracar	16.4	w
		8.0	
		13.7	
		4.2	

B LL: The sampling width of this transect is 5 meters on the west side of the transect line.

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
206.3	fracar	20.0	w
		16.0	
		14.9	
		4.8	
210.1	taxdis	29.2	w
217.4	fracar	18.7	w
		6.0	
217.5	fracar	10.2	w
220.2	fracar	23.9	w
		13.9	
		14.5	
220.8	fracar	13.3	w
		13.0	
221.1	fracar	16.0	w
		12.6	
		12.0	
232.1	taxdis	58.4	w
232.6	fracar	14.8	w
		12.5	
232.8	fracar	20.0	w
232.9	fracar	19.1	w
233.3	fracar	11.0	w
239.0	fracar	23.3	w
		13.4	
		13.6	
		20.5	
		16.5	
240.2	fracar	16.8	w
		5.8	
246.2	<i>marker # 31</i>		
257.2	foracu	10.0	w
		8.1	
263.3	fracar	4.8	w
		4.3	
		18.2	
		18.5	
270.7	<i>marker # 32</i>		
271.8	quelyr	39.0	w
277.9	taxdis	20.8	w
282.7	<i>marker # 33</i>		
283.7	cepocc	17.6	w
285.4	plaaqu	18.7	w
		8.7	
289.6	taxdis	42.9	w
292.7	taxdis	18.2	w

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
294.4	taxdis	49.1	w
295.0	fracar	15.9	w
295.0	fracar	20.9	w
320.6	taxdis	71.4	w
324.2	<i>marker # 34</i>		
324.9	plaaqu	12.7	w
		33.6	
337.7	fracar	15.8	w
		15.8	
		17.4	
338.2	taxdis	44.7	w
339.8	taxdis	63.4	w
341.9	fracar	26.6	w
342.0	fracar	15.8	w
343.3	taxdis	56.6	w
349.2	<i>marker # 35</i>		
350.7	taxdis	35.2	w
354.2	snag	11.7	w
365.0	fracar	16.9	w
		4.1	
		4.7	
		11.0	
		19.3	
365.5	fracar	20.7	w
		19.8	
		8.6	
367.0	fracar	14.3	w
367.0	taxdis	11.8	w
367.0	taxdis	57.2	w
372.2	fracar	23.0	w
372.2	fracar	22.0	w
373.9	taxdis	42.6	w
375.0	taxdis	52.8	w
375.6	taxdis	55.0	w
377.7	fracar	12.3	w
		5.0	
395.5	plaaqu	25.0	w
397.2	fracar	23.4	w
		12.9	
398.0	plaaqu	32.5	w
400.3	<i>marker # 36</i>		
402.4	plaaqu	17.0	w
		11.7	
		14.9	
		10.6	

B LL: The sampling width of this transect is 5 meters on the west side of the transect line.

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
417.0	<i>marker # 37</i>		
427.6	liqsty	49.7	w
429.0	cravir	12.8	w
437.7	<i>marker # 38</i>		
443.3	betnig	37.6	w
457.8	taxdis	13.8	w
458.7	taxdis	12.2	w
461.7	diovir	10.3	w
463.8	snag	65.0	w
465.8	cravir	13.8	w
467.7	<i>marker # 39</i>		
468.2	liqsty	11.4	w
472.4	betnig	13.2	w
486.3	<i>marker # 40</i>		
491.1	quelau	68.0	w
492.3	acerub	34.0	w
496.4	liqsty	20.3	w
496.5	liqsty	30.5	w
498.9	betnig	10.9	w
500.0	fracar	4.6	w
		19.7	
		5.5	
		11.6	
518.0	cravir	11.0	w
518.8	quelau	56.0	w
519.7	cravir	12.3	w
522.6	quelau	52.2	w
548.2	<i>marker # 41</i>		
548.5	liqsty	33.6	w
557.4	carcar	20.9	w
561.9	betnig	14.4	w
564.1	betnig	21.5	w
569.0	<i>marker # 42</i>		
569.8	taxdis	31.7	w
570.9	fracar	14.2	w
		4.2	
581.8	taxdis	13.9	w
590.5	betnig	51.4	w
592.4	taxdis	16.0	w
598.3	betnig	41.7	w
598.9	ulmcra	15.2	w
599.1	taxdis	26.1	w
612.6	<i>marker # 43</i>		
614.8	acerub	32.5	w
		37.0	
618.7	gleaqu	8.2	w

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
621.8	plaaqu	27.5	w
629.8	betnig	51.0	w
632.1	iledec	6.2	w
		5.2	
		11.7	
639.6	liqsty	22.0	w
644.3	ulmame	40.1	w
649.8	caraqu	36.8	w
657.0	betnig	38.4	w
662.1	betnig	28.2	w
667.1	<i>marker # 44</i>		
674.8	taxdis	15.1	w
683.1	carcar	16.2	w
687.9	carcar	11.5	w
693.7	carcar	12.2	w
		5.0	
698.4	carcar	10.9	w
699.0	<i>marker # 45</i>		
705.4	carcar	7.0	w
		6.0	
		6.5	
		4.0	
		13.0	
712.3	carcar	14.4	w
		5.7	
719.3	<i>marker # 46</i>		
726.7	carcar	11.0	w
729.8	quevir	101.9	w
737.3	carcar	13.4	w
741.7	carcar	10.2	w
750.6	<i>marker # 47</i>		
751.0	carcar	10.9	w
753.5	liqsty	16.9	w
756.8	carcar	12.7	w
762.9	nyssyl	38.4	w
766.7	snag	65.0	w
768.0	<i>marker # 48</i>		
768.1	carcar	15.3	w
769.6	nyssyl	13.7	w
778.8	carcar	23.9	w
782.4	nyssyl	30.8	w
786.5	nyssyl	26.5	w
786.7	carcar	17.2	w
786.7	nyssyl	25.5	w
787.4	carcar	18.3	w
787.9	nyssyl	30.0	w

B LL: The sampling width of this transect is 5 meters on the west side of the transect line (Continued)

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
789.6	carcar	16.4	w
792.5	carcar	12.0	w
796.5	carcar	10.5	w
802.1	carcar	27.4	w
809.9	betnig	39.9	w
811.2	carcar	10.8	w
812.4	liqsty	16.1	w
814.3	liqsty	39.3	w
816.9	liqsty	13.4	w
822.3	liqsty	19.6	w
822.4	<i>marker # 49</i>		
826.6	betnig	22.8	w
829.5	carcar	14.3	w
833.6	carcar	11.5	w
837.2	carcar	11.2	w
837.5	carcar	12.2	w
837.6	betnig	12.3	w
845.2	carcar	24.6	w
		7.9	
855.0	carcar	21.4	w
857.4	carcar	21.1	w
862.7	carcar	25.0	w
863.3	carcar	15.5	w
868.2	<i>marker # 50</i>		
872.4	carcar	20.8	w
875.1	quevir	64.0	w
880.8	nyssyl	21.9	w
881.2	carcar	12.0	w
884.1	nyssyl	25.8	w
884.4	diovir	31.5	w
887.1	carcar	17.4	w
899.3	carcar	14.0	w
900.8	nyssyl	34.8	w
903.1	carcar	18.4	w
905.9	nyssyl	19.5	w
906.1	carcar	18.2	w
916.6	nysbif	23.4	w
916.6	<i>marker # 51</i>		

C FK: The sampling width of the west segment is 10 meters, 5 meters on either side of the transect line. The sampling width of the east segment was 5 meters on the south side of the transect only

Distance from beginning of segment in m	Tree species	Dbh, in cm	Side
<i>East segment</i>			
-9.5	fracar	10.2	s
		8.0	
-8.5	fracar	12.8	s
		5.9	
		10.3	
-8.5	snag	54.0	s
-8.0	fracar	11.9	s
-8.0	fracar	10.6	s
-7.9	fracar	16.2	s
		4.1	
-3.4	quenig	35.9	s
0.0	<i>marker # 52</i>		
11.8	quenig	11.6	s
12.2	liqsty	29.6	s
19.2	carcar	11.0	s
20.0	liqsty	37.4	s
22.9	carcar	10.9	s
32.7	quenig	32.3	s
34.7	betnig	28.3	s
37.1	carcar	13.5	s
37.5	vibobo	11.4	s
38.3	carcar	10.3	s
40.0	<i>marker # 53</i>		
40.5	carcar	13.7	s
		9.4	
43.3	carcar	13.2	s
48.6	betnig	15.3	s
49.7	carcar	16.0	s
53.5	caraqu	57.3	s
61.7	gleaqu	33.5	s
70.7	taxdis	56.0	s
72.0	<i>marker # 54</i>		
74.5	taxdis	59.4	s
75.9	fracar	12.6	s
		5.9	
78.7	betnig	11.4	s
90.4	plaaqu	45.9	s
98.8	taxdis	25.5	s
103.6	<i>marker # 55</i>		
104.5	taxdis	53.8	s
105.7	fracar	13.9	s
113.5	fracar	13.3	s
113.6	fracar	13.7	s
115.3	fracar	19.9	s

Distance from beginning of segment in m	Tree species	Dbh, in cm	Side
115.5	fracar	18.2	s
115.9	fracar	13.4	s
117.2	taxdis	32.3	s
118.7	taxdis	25.2	s
120.3	quelyr	59.5	s
133.2	fracar	15.4	s
133.7	fracar	18.9	s
138.7	fracar	14.7	s
138.7	fracar	13.6	s
138.8	fracar	10.4	s
138.9	fracar	14.5	s
		14.4	
138.9	fracar	17.6	s
138.9	fracar	4.4	s
139.0	fracar	10.3	s
139.2	snag	15.1	s
142.4	cepocc	12.0	s
144.1	<i>marker # 56</i>		
146.0	acerub	18.9	s
		12.1	
146.3	plaaqu	20.1	s
152.4	ulmame	16.4	s
154.5	acerub	26.4	s
156.4	acerub	25.8	s
156.4	gleaqu	30.4	s
158.2	acerub	10.5	s
158.5	ulmame	10.4	s
159.0	taxdis	38.4	s
161.8	ulmame	10.6	s
165.9	taxdis	43.0	s
180.6	acerub	18.9	s
182.6	taxdis	56.0	s
183.1	acerub	21.7	s
185.3	<i>marker # 57</i>		
186.9	snag	14.2	s
189.7	plaaqu	26.0	s
194.7	fracar	13.9	s
		8.6	
		8.0	
		9.0	
		9.0	
200.3	fracar	11.3	s
		9.9	
		4.0	

C FK: The sampling width of the west segment is 10 meters, 5 meters on either side of the transect line. The sampling width of the east segment was 5 meters on the south side of the transect only (Continued)

Distance from beginning of segment in m	Tree species	Dbh, in cm	Side	Distance from beginning of segment in m	Tree species	Dbh, in cm	Side
201.4	acerub	26.4	s	31.7	cepocc	11.9	s
		24.9				7.0	
		11.5		32.7	nysaqu	41.5	s
203.4	taxdis	40.7	s	33.4	taxdis	23.9	n
204.1	acerub	16.6	s	34.7	fracar	10.7	n
204.3	fracar	15.7	s			4.6	
		7.6				8.5	
		11.0		35.5	nysaqu	40.6	s
		15.4		36.5	cepocc	10.3	s
7.2	39.0	cepocc	10.4	n			
205.0	plaaqu	12.6	s	39.1	cepocc	15.3	s
210.3	marker # 58			39.3	salcar	29.4	n
West segment				40.3	cepocc	13.4	s
0.0	marker # 66			40.9	salcar	25.9	s
0.6	betnig	10.0	n	42.2	fracar	8.4	n
		10.4				16.3	
		8.1		42.2	taxdis	11.4	n
		5.4		42.2	fracar	10.3	s
		5.7		42.6	taxdis	18.3	n
7.8	taxdis	35.0	s	42.7	taxdis	17.5	s
8.3	betnig	12.0	s	43.2	cepocc	11.5	s
9.5	betnig	13.9	n	44.6	taxdis	17.3	s
14.0	acerub	11.9	s	45.4	cepocc	11.9	n
14.1	acerub	11.3	s	45.6	taxdis	20.0	s
		4.5		45.7	taxdis	14.3	s
		9.0		46.4	salcar	16.4	n
		6.5		47.6	marker # 64		
14.3	acerub	21.6	n	47.9	fracar	10.5	s
14.6	snag	30.7	n	48.1	fracar	10.3	s
14.6	acerub	16.9	s	49.2	fracar	13.4	s
14.9	betnig	14.5	8.5				
15.6	taxdis	24.4	4.5				
18.6	nysaqu	24.9	n	49.5	fracar	10.8	s
19.0	betnig	10.2	9.0				
19.2	taxdis	40.2	8.0				
20.3	taxdis	20.1	5.0				
21.4	taxdis	35.9	n	4.8	50.4	fracar	n
23.7	nysaqu	42.4	s	10.7			
25.9	taxdis	36.1	s	8.8			
26.1	marker # 65			7.4	50.6	fracar	n
26.1	nysaqu	49.2	n	7.5			
26.2	snag	23.3	n	52.0	salcar	30.3	s
27.2	nysaqu	24.2	n	53.3	taxdis	28.3	s
27.7	taxdis	40.0	s			47.4	
29.7	nysaqu	46.3	n	53.8	betnig	10.2	n
31.2	cepocc	11.5	n				

C FK: The sampling width of the west segment is 10 meters, 5 meters on either side of the transect line. The sampling width of the east segment was 5 meters on the south side of the transect only (Continued)

Distance from beginning of segment in m	Tree species	Dbh, in cm	Side
53.9	taxdis	45.0	s
54.1	cepocc	10.7	n
55.7	fracar	6.5	n
		12.3	
		8.2	
		6.2	
56.4	salcar	24.6	s
59.1	acerub	26.5	s
59.1	salcar	28.5	s
60.0	salcar	27.7	n
62.4	cepocc	11.6	s
63.3	nysaqu	55.0	s
68.1	marker # 63		
68.7	taxdis	36.1	s
69.4	cepocc	14.1	n
69.6	taxdis	44.5	s
70.3	taxdis	50.4	n
71.3	betnig	13.1	n
72.5	taxdis	32.9	n
72.8	taxdis	36.9	n
73.2	taxdis	45.0	n
73.2	snag	15.5	s
73.5	nysaqu	26.4	s
73.8	fracar	10.6	n
77.2	taxdis	33.0	s
77.3	taxdis	28.1	n
77.8	cepocc	10.8	n
		11.0	
78.6	taxdis	43.2	n
79.9	betnig	10.8	s
80.6	nysaqu	87.4	s
81.7	salcar	22.4	n
84.4	salcar	19.0	n
87.0	taxdis	11.0	n
88.9	cepocc	14.4	n
89.0	acerub	51.0	n
89.0	fracar	10.6	n
		6.9	
		5.8	
91.9	nysaqu	32.5	s
92.0	taxdis	110.0	n
93.1	nysaqu	12.2	s
93.8	nysaqu	26.6	s
94.8	fracar	14.7	n
		5.0	

Distance from beginning of segment in m	Tree species	Dbh, in cm	Side
97.5	fracar	10.0	s
		7.0	
		9.9	
		7.0	
		4.5	
97.5	fracar	7.0	s
97.6	fracar	16.8	n
97.6	plaaqu	35.9	n
99.9	fracar	14.1	n
		4.8	
100.0	fracar	10.2	n
100.2	taxdis	53.9	s
101.2	marker # 62		
103.1	nysaqu	26.8	s
103.6	salcar	14.4	s
103.6	taxdis	48.5	s
104.6	fracar	8.0	n
		12.6	
		5.5	
105.0	taxdis	42.4	s
105.2	nysaqu	29.4	s
106.2	cepocc	12.5	s
106.7	fracar	13.3	n
106.9	fracar	11.2	n
106.9	fracar	10.6	n
109.4	salcar	19.5	s
109.4	salcar	30.0	s
109.7	fracar	11.9	n
		7.0	
		7.4	
110.4	fracar	14.7	n
110.4	fracar	8.9	n
111.1	gleaqu	16.2	n
111.5	cepocc	13.4	n
113.2	taxdis	54.0	s
114.9	fracar	10.2	s
115.0	fracar	10.5	s
116.2	fracar	16.1	n
		10.9	
116.9	cepocc	11.3	s
		10.6	
117.2	snag	10.0	s
117.6	marker # 61		
118.2	fracar	11.3	s
		13.8	
		13.3	

C FK: The sampling width of the west segment is 10 meters, 5 meters on either side of the transect line. The sampling width of the east segment was 5 meters on the south side of the transect only (Continued)

Distance from beginning of segment in m	Tree species	Dbh, in cm	Side
119.2	cepocc	11.8	s
119.5	fracar	12.9	s
		6.3	
		7.5	
		6.7	
120.9	fracar	15.3	n
		7.0	
121.9	fracar	10.1	n
		6.7	
122.8	fracar	16.3	n
123.7	ulmame	18.8	s
124.4	fracar	13.5	n
124.6	taxdis	23.8	s
125.9	cepocc	12.6	n
125.9	cepocc	10.0	s
		5.5	
		7.3	
127.5	taxdis	30.8	n
129.5	cepocc	10.1	n
129.7	fracar	11.4	n
129.8	fracar	4.6	n
		22.4	
		11.8	
		10.5	
129.9	fracar	14.9	s
130.1	cepocc	10.5	s
		5.6	
131.0	fracar	13.2	s
131.0	fracar	10.5	s
		9.0	
		7.3	
		10.1	
132.1	fracar	12.0	n
		4.5	
132.9	salcar	23.3	s
133.3	fracar	13.3	n
134.0	cepocc	12.8	s
134.1	cepocc	11.5	s
134.2	snag	11.4	n
135.1	fracar	17.5	s
		9.4	
		9.4	
137.1	cepocc	14.6	s
		7.3	
138.8	<i>marker # 60</i>		

Distance from beginning of segment in m	Tree species	Dbh, in cm	Side
139.3	fracar	10.5	s
		7.0	
		5.7	
140.0	fracar	11.5	s
		7.5	
		7.2	
140.1	fracar	13.4	s
140.2	fracar	11.5	s
141.0	fracar	13.7	s
141.7	salcar	23.2	s
141.8	ulmame	20.9	s
142.1	fracar	10.9	n
142.1	fracar	10.3	n
		9.8	
142.8	cepocc	12.3	n
143.6	cepocc	13.2	n
145.1	cepocc	12.0	s
146.6	nysaqu	24.9	s
146.6	nysaqu	46.5	s
146.9	nysaqu	30.4	s
147.2	nysaqu	29.7	s
147.6	nysaqu	33.0	n
147.9	fracar	12.3	s
		9.0	
148.2	fracar	10.7	n
148.6	cepocc	10.0	n
149.1	nysaqu	33.3	n
149.3	fracar	12.3	n
151.3	<i>marker # 59</i>		

D MS: The sampling width of this transect is 10 meters (5 meters on each side of the transect line) from 5.3 m to 413 m and from 825.6 m to 902.2 m. The sampling width is 5 meters on the west side of the transect line from 413 to 825.6 and from 902.2 to 1003.7

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
0.0	<i>marker # 67</i>		
15.9	acerub	30.5	w
		41.0	
		13.0	
17.5	snag	19.0	w
18.3	carcar	12.4	w
25.6	liqsty	22.1	w
30.8	liqsty	17.0	w
31.4	liqsty	16.6	w
31.9	liqsty	15.8	w
39.6	liqsty	14.5	w
42.5	liqsty	18.4	w
47.8	quelau	42.2	w
48.1	acerub	32.3	w
48.2	<i>marker # 68</i>		
49.1	quelau	25.3	w
50.5	acerub	10.4	w
60.7	carcar	11.9	w
64.6	acerub	28.9	w
69.7	liqsty	13.9	w
73.3	quelau	23.9	w
75.4	quelau	39.9	w
80.4	carcar	13.0	w
80.6	quelau	38.7	w
82.2	quelau	44.8	w
84.2	liqsty	11.8	w
87.8	quelau	52.5	w
91.1	liqsty	16.9	w
94.5	liqsty	11.4	w
96.6	liqsty	17.0	w
102.2	liqsty	14.8	w
102.6	<i>marker # 69</i>		
105.4	liqsty	13.5	e
106.8	liqsty	19.3	w
108.4	carcar	20.8	w
110.1	liqsty	18.2	e
112.9	carcar	12.7	e
120.0	carcar	17.2	w
121.2	quevir	35.4	w
122.8	carcar	10.5	w
124.0	quelau	26.1	e
127.0	liqsty	18.3	w

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
128.7	snag	22.5	e
131.3	carcar	10.1	w
135.1	carcar	13.5	e
140.5	nyssyl	24.6	e
140.9	carcar	10.2	w
146.3	carcar	10.7	w
148.5	carcar	12.1	w
150.5	<i>marker # 70</i>		
150.6	snag	81.0	e
152.3	liqsty	16.1	e
156.3	carcar	14.0	w
156.7	quenig	42.8	w
164.7	carcar	19.2	w
		4.5	
165.0	carcar	22.8	e
		7.7	
		5.5	
170.5	carcar	16.6	e
		10.3	
172.7	carcar	15.4	w
174.8	carcar	12.1	e
185.4	carcar	10.4	w
189.4	carcar	12.1	w
200.0	<i>marker # 71</i>		
200.2	carcar	19.3	w
201.7	snag	22.0	w
207.8	carcar	10.6	w
208.2	quevir	35.4	w
211.4	betnig	40.8	w
213.3	taxdis	16.6	w
213.3	taxdis	13.6	w
215.2	taxdis	32.5	w
215.8	taxdis	30.0	w
217.3	taxdis	19.4	w
218.1	acerub	26.4	w
		8.4	
		8.2	
219.4	taxdis	24.6	w
220.3	ulmame	32.3	w
223.1	taxdis	49.1	w
224.2	nysaqu	28.8	w
228.7	plaaqu	11.6	w

D MS: The sampling width of this transect is 10 meters (5 meters on each side of the transect line) from 5.3 m to 413 m and from 825.6 m to 902.2 m. The sampling width is 5 meters on the west side of the transect line from 413 to 825.6 and from 902.2 to 1003.7 (Continued)

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
229.3	nysaqu	25.6	w
229.5	fracar	6.0	w
		12.3	
		9.9	
		7.0	
		9.9	
238.1	<i>marker # 72</i>		
240.8	nysaqu	43.2	w
244.3	fracar	14.0	w
		6.8	
246.8	nysaqu	33.4	w
247.1	nysaqu	33.9	w
		36.2	
247.7	fracar	10.1	w
252.3	cepoce	10.4	w
		4.6	
252.3	fracar	12.6	w
		11.2	
		7.0	
253.2	betnig	18.0	w
255.2	betnig	26.7	w
258.8	gleaqu	36.9	w
		15.0	
259.2	nysaqu	48.8	w
260.9	ulmame	25.9	w
261.0	<i>marker # 73</i>		
265.4	fracar	10.3	w
		10.0	
		5.5	
		8.4	
265.9	fracar	12.9	w
		7.7	
		10.0	
		8.7	
		10.4	
		8.0	
268.3	fracar	11.9	w
271.1	acerub	11.8	w
272.7	nysaqu	38.6	w
276.6	nysaqu	38.5	w
280.9	acerub	55.0	w
283.2	taxdis	21.8	w
284.2	taxdis	53.0	w
284.3	plaaqu	18.6	w
286.4	taxdis	16.8	w
287.7	acerub	22.3	w
291.5	<i>marker # 74</i>		

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
293.3	fracar	11.9	w
293.9	fracar	13.6	w
296.0	fracar	10.2	w
296.9	fracar	10.1	w
297.3	fracar	10.7	w
		7.4	
299.0	nysaqu	34.7	w
304.3	nysaqu	35.9	w
306.2	plaaqu	35.0	w
		23.6	
		10.0	
309.5	fracar	15.2	w
		10.6	
309.8	fracar	12.9	w
		8.6	
312.1	fracar	10.8	w
312.2	fracar	11.2	w
312.8	plaaqu	20.4	w
		13.1	
313.6	plaaqu	20.6	w
315.4	acerub	21.7	w
317.6	frapro	23.7	w
318.2	cepoce	10.3	w
318.5	frapro	20.6	w
319.7	nysaqu	36.4	w
322.6	nysaqu	37.8	w
325.4	<i>marker # 75</i>		
326.6	plaaqu	16.3	w
329.2	snag	11.7	w
330.2	taxdis	35.8	w
331.6	nysaqu	31.3	w
333.9	taxdis	37.2	w
335.4	plaaqu	10.8	w
336.2	fracar	10.1	w
342.5	plaaqu	32.0	w
		6.6	
345.5	taxdis	35.9	w
346.8	nysaqu	48.7	w
348.1	fracar	12.4	w
		9.2	
350.1	taxdis	37.4	w
351.3	taxdis	20.5	w
351.8	taxdis	13.8	w
352.6	plaaqu	10.6	w
		5.0	
352.9	gleaqu	22.3	w
356.4	frapro	49.2	w

D MS: The sampling width of this transect is 10 meters (5 meters on each side of the transect line) from 5.3 m to 413 m and from 825.6 m to 902.2 m. The sampling width is 5 meters on the west side of the transect line from 413 to 825.6 and from 902.2 to 1003.7 (Continued)

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
358.7	<i>marker # 76</i>		
358.8	plaaqu	12.7	w
360.9	taxdis	52.4	w
367.9	nysaqu	45.3	w
369.1	frapro	24.9	w
369.3	acerub	14.7	w
369.9	nysaqu	20.1	w
373.1	nysaqu	53.6	w
376.1	nysaqu	22.6	w
377.2	acerub	49.4	w
381.3	nysaqu	56.2	w
384.9	nysaqu	29.8	w
385.4	nysaqu	40.8	w
385.9	nysaqu	21.1	w
386.3	nysaqu	31.2	w
388.1	nysaqu	13.3	w
390.1	fracar	14.6	w
		9.8	
		13.3	
390.2	taxdis	35.5	w
391.7	<i>marker # 77</i>		
392.5	gleaqu	26.3	w
394.4	nysaqu	21.3	w
403.3	plaaqu	20.6	w
404.3	plaaqu	19.4	w
		15.9	
404.6	plaaqu	17.4	w
404.6	plaaqu	5.1	w
404.6	plaaqu	5.2	w
406.7	nysaqu	57.0	w
408.0	plaaqu	12.3	w
		16.4	
415.6	fracar	10.4	w
		17.8	
		15.5	
420.7	<i>marker # 78</i>		
420.8	plaaqu	23.0	w
		10.0	
422.1	plaaqu	13.8	w
425.1	nysbif	85.4	w
425.9	plaaqu	26.5	w
430.4	plaaqu	11.9	w
431.6	plaaqu	13.1	w
432.7	nysaqu	37.9	w
		38.3	
437.0	nysaqu	29.0	w
437.8	taxdis	27.2	w

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
437.9	acerub	18.9	w
439.9	nysaqu	25.2	w
444.0	nysaqu	33.3	w
445.0	frapro	38.0	w
445.4	frapro	33.3	w
445.9	taxdis	11.7	w
450.4	nysaqu	32.5	w
452.1	plaaqu	18.4	w
452.7	<i>marker # 79</i>		
452.9	nysaqu	27.8	w
453.1	betnig	21.3	w
454.5	plaaqu	14.0	w
459.7	fracar	10.3	w
		8.4	
		6.4	
		9.3	
466.3	fracar	11.0	w
		9.0	
		4.3	
468.2	nysaqu	38.7	w
473.7	plaaqu	18.5	w
		6.2	
474.1	fracar	14.0	w
474.2	gleaqu	35.0	w
474.9	fracar	12.2	w
		4.8	
		6.0	
		5.2	
475.4	<i>marker # 80</i>		
478.0	plaaqu	16.6	w
479.2	plaaqu	22.0	w
484.5	plaaqu	26.3	w
		10.6	
488.2	fracar	12.7	w
		7.4	
492.5	plaaqu	16.4	w
		32.8	
		20.0	
		9.8	
499.5	fracar	11.8	w
		8.8	
		7.2	
500.8	caraqu	18.7	w
502.4	nysaqu	61.0	w
502.8	plaaqu	14.3	w
504.5	fracar	11.8	w
504.9	fracar	19.3	w

D MS: The sampling width of this transect is 10 meters (5 meters on each side of the transect line) from 5.3 m to 413 m and from 825.6 m to 902.2 m. The sampling width is 5 meters on the west side of the transect line from 413 to 825.6 and from 902.2 to 1003.7 (Continued)

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
511.0	nysaqu	17.2	w
513.3	taxdis	44.0	w
514.6	cepocc	16.4	w
515.4	<i>marker # 81</i>		
520.3	fracar	12.5	w
		5.0	
		10.3	
		5.7	
		5.4	
521.2	fracar	18.1	w
523.5	fracar	11.2	w
		6.1	
		7.9	
		5.5	
527.0	nysaqu	25.5	w
528.9	fracar	16.3	w
		10.2	
		6.4	
		9.2	
529.7	fracar	15.5	w
537.1	gleaqu	22.5	w
537.5	cepocc	11.0	w
538.1	betnig	34.4	w
541.5	betnig	25.0	w
545.9	taxdis	46.3	w
547.5	plaaqu	21.5	w
552.0	betnig	19.3	w
552.2	betnig	13.0	w
553.1	<i>marker # 82</i>		
554.0	betnig	15.5	w
557.9	betnig	22.1	w
558.3	betnig	14.5	w
559.4	taxdis	29.9	w
559.5	betnig	20.2	w
563.2	taxdis	16.7	w
566.0	ulmame	31.0	w
569.7	taxdis	26.2	w
571.4	ulmame	31.8	w
571.6	betnig	40.4	w
572.1	plaaqu	11.1	w
574.6	crafla	14.7	w
579.8	taxdis	31.6	w
580.4	betnig	16.0	w
584.9	taxdis	20.9	w
587.1	fracar	13.5	w

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
587.7	<i>marker # 83</i>		
593.2	betnig	40.4	w
594.0	betnig	11.1	e
595.0	fracar	10.2	w
596.4	betnig	10.5	e
596.4	foracu	10.5	e
601.8	fracar	16.7	w
		8.9	
		4.1	
604.2	fracar	10.0	w
		8.9	
		8.7	
		7.3	
608.3	fracar	9.0	w
		10.0	
		6.8	
		7.0	
612.3	crafla	6.7	w
		7.0	
		7.0	
612.3	crafla	13.9	w
613.5	diovir	24.2	w
614.1	fracar	21.0	w
617.5	betnig	13.4	w
619.7	caraqu	76.8	w
621.1	crafla	22.3	w
621.8	fracar	12.5	e
		8.3	
622.4	fracar	11.1	e
624.0	betnig	30.6	e
625.6	betnig	28.6	w
625.6	fracar	10.1	w
627.4	liqsty	13.4	e
628.5	betnig	17.5	e
630.9	betnig	29.3	e
631.2	fracar	10.5	w
631.2	fracar	13.3	e
		8.9	
		5.7	
		8.6	
		6.4	
632.0	fracar	6.7	w
		13.0	
632.0	fracar	12.1	w
634.8	fracar	14.3	w
635.1	gleaqu	42.7	e
635.1	taxdis	27.1	w
635.6	betnig	22.9	e

D MS: The sampling width of this transect is 10 meters (5 meters on each side of the transect line) from 5.3 m to 413 m and from 825.6 m to 902.2 m. The sampling width is 5 meters on the west side of the transect line from 413 to 825.6 and from 902.2 to 1003.7 (Continued)

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
639.2	<i>marker # 84</i>		
639.3	betnig	25.5	w
639.9	fracar	11.5	w
		7.6	
640.3	fracar	13.1	w
640.4	betnig	14.0	w
640.6	betnig	20.7	e
642.8	plaaqu	17.3	w
644.3	fracar	10.5	w
647.1	taxdis	78.3	w
648.0	fracar	13.1	e
649.7	plaaqu	11.5	w
649.9	plaaqu	17.8	w
650.6	betnig	29.0	w
651.7	nysaqu	35.0	e
654.1	fracar	12.0	w
		8.5	
656.7	fracar	10.5	e
656.7	taxdis	11.9	w
657.0	fracar	10.1	e
657.5	fracar	10.5	w
658.0	fracar	10.8	w
660.0	nysaqu	32.0	w
661.8	fracar	15.2	w
662.4	quelau	33.0	e
662.7	ulmame	17.0	e
665.4	plaaqu	51.0	e
		5.6	
665.5	taxdis	32.0	w
667.7	fracar	10.5	w
668.9	fracar	13.4	w
670.6	fracar	15.0	w
		7.1	
		8.7	
670.7	betnig	12.2	w
671.1	fracar	12.7	w
		14.0	
673.6	cepocc	7.6	w
674.6	cepocc	10.0	w
674.9	plaaqu	36.0	w
		11.1	
675.4	fracar	10.2	e
676.2	fracar	11.1	e
676.2	<i>marker # 85</i>		
676.7	betnig	26.0	e
676.8	acerub	11.6	w
678.0	cepocc	11.1	w

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
678.2	fracar	13.1	w
680.2	fracar	10.0	e
680.3	plaaqu	13.2	w
		4.9	
680.5	fracar	10.6	e
		7.9	
680.6	plaaqu	35.5	w
		16.4	
681.7	plaaqu	16.4	w
		15.0	
685.6	plaaqu	11.5	e
686.0	plaaqu	35.5	e
		30.6	
686.0	taxdis	19.4	w
688.6	fracar	10.2	w
689.6	fracar	13.1	w
689.9	fracar	10.0	e
		8.0	
691.2	gleaqu	48.0	w
692.0	nysaqu	35.7	w
692.3	fracar	10.0	e
693.2	nysaqu	42.0	e
693.3	fracar	10.2	w
693.4	betnig	19.2	w
		24.3	
693.8	plaaqu	10.8	w
694.2	plaaqu	15.3	e
695.2	nysaqu	18.6	w
697.6	fracar	12.4	e
698.7	nysaqu	35.0	w
699.1	plaaqu	11.0	w
699.4	plaaqu	16.0	w
699.5	fracar	13.2	e
699.7	fracar	11.1	e
699.7	fracar	10.0	e
	fracar		
	fracar		
701.5	plaaqu	19.6	e
702.9	acerub	18.4	w
703.2	gleaqu	26.7	e
703.2	plaaqu	17.2	e
703.7	plaaqu	31.4	w
		21.2	
703.8	plaaqu	16.7	w
		10.6	
703.9	gleaqu	18.0	e
704.0	<i>marker # 86</i>		

D MS: The sampling width of this transect is 10 meters (5 meters on each side of the transect line) from 5.3 m to 413 m and from 825.6 m to 902.2 m. The sampling width is 5 meters on the west side of the transect line from 413 to 825.6 and from 902.2 to 1003.7 (Continued)

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
706.5	nysaqu	30.0	e
		13.2	
707.5	betnig	18.5	e
707.5	fracar	6.3	w
		10.1	
707.8	plaaqu	17.6	e
708.5	nysaqu	23.5	w
709.6	cepocc	10.2	w
709.6	fracar	10.5	w
		7.6	
		5.7	
710.0	plaaqu	12.0	e
710.2	nysaqu	31.1	w
710.6	plaaqu	11.1	e
710.7	plaaqu	10.3	e
711.7	betnig	21.3	e
712.2	fracar	8.7	w
		7.9	
		8.0	
712.5	fracar	11.4	w
		9.3	
712.5	fracar	10.5	w
		10.5	
		5.1	
		8.9	
712.8	salcar	37.1	e
716.4	betnig	10.8	e
		7.1	
		6.3	
716.7	nysaqu	23.5	w
716.8	nysaqu	31.4	w
717.3	betnig	12.0	e
717.5	betnig	13.3	e
718.3	nysaqu	61.0	e
718.4	acerub	48.0	w
		6.4	
720.2	ulmame	13.2	w
722.4	betnig	15.5	w
722.8	taxdis	35.5	w
724.6	taxdis	47.2	w
724.7	betnig	13.6	e
724.8	taxdis	31.2	w
725.2	corfoe	11.9	e
725.2	taxdis	20.0	w
725.5	taxdis	14.4	w
725.6	nysaqu	42.0	e

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
725.7	taxdis	31.9	w
726.5	fracar	11.8	w
726.8	taxdis	49.9	w
728.0	nysaqu	15.7	e
728.1	fracar	14.6	w
728.4	plaaqu	23.5	e
		8.3	
729.2	taxdis	31.0	e
		14.0	
729.8	plaaqu	6.6	w
		13.7	
		17.3	
		11.2	
729.9	fracar	14.0	e
		9.1	
730.0	fracar	14.3	e
		9.1	
732.5	nysaqu	35.2	w
735.8	gleaqu	12.2	e
736.6	taxdis	22.0	e
		42.0	
737.8	<i>marker # 87</i>		
738.4	nysaqu	32.0	e
		32.2	
738.6	taxdis	20.0	e
738.8	taxdis	39.4	e
739.9	taxdis	38.0	w
740.2	quelau	43.4	e
740.4	taxdis	11.3	e
740.5	taxdis	14.9	e
740.7	plaaqu	17.5	w
741.0	taxdis	14.7	e
741.1	taxdis	13.0	e
741.4	taxdis	14.3	e
741.5	plaaqu	14.3	w
741.5	taxdis	16.1	e
741.9	taxdis	27.8	e
742.1	cepocc	14.6	w
742.2	plaaqu	17.0	w
742.6	taxdis	14.7	e
742.7	fracar	10.7	e
742.9	taxdis	20.1	e
743.4	taxdis	32.5	e
743.4	taxdis	17.6	e
743.7	taxdis	10.5	e
744.2	taxdis	19.3	e

D MS: The sampling width of this transect is 10 meters (5 meters on each side of the transect line) from 5.3 m to 413 m and from 825.6 m to 902.2 m. The sampling width is 5 meters on the west side of the transect line from 413 to 825.6 and from 902.2 to 1003.7 (Continued)

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
744.3	taxdis	22.0	e
746.5	fracar	10.3	e
		8.1	
		5.1	
		8.0	
747.2	fracar	13.2	w
749.1	taxdis	30.6	e
	24.7		
749.2	taxdis	31.2	w
749.6	taxdis	55.0	w
749.7	plaaqu	18.8	e
		24.0	
750.0	fracar	14.4	e
754.7	cepocc	18.0	w
755.8	fracar	13.3	e
		6.3	
		4.7	
756.9	fracar	12.6	e
		13.9	
		12.0	
		13.5	
757.7	gleaqu	31.0	w
760.4	fracar	13.1	w
760.4	fracar	14.7	w
760.7	fracar	7.8	w
		14.9	
760.8	fracar	15.5	w
		8.1	
		12.2	
762.0	plaaqu	18.2	e
762.1	plaaqu	24.7	e
763.0	plaaqu	18.6	e
763.6	plaaqu	16.1	e
766.0	betnig	16.2	e
767.7	taxdis	11.0	w
768.2	plaaqu	15.7	w
769.5	plaaqu	12.3	e
		12.5	
		15.0	
		24.5	
		57.0	
771.4	gleaqu	44.0	w
772.1	fracar	11.5	w
774.0	<i>marker # 88</i>		
775.6	betnig	17.6	w

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
776.0	plaaqu	22.5	e
776.0	plaaqu	5.6	e
		10.1	
776.7	plaaqu	12.4	e
		10.8	
		12.2	
777.1	fracar	14.7	e
		5.0	
		4.7	
		5.4	
779.2	betnig	13.5	w
779.6	betnig	28.2	e
782.7	taxdis	16.0	w
783.1	taxdis	27.2	e
785.0	taxdis	22.8	e
788.2	cravir	21.2	e
788.4	snag	19.5	e
788.9	acerub	21.9	e
791.0	acerub	54.3	e
791.6	taxdis	15.3	w
792.6	ulmame	37.8	e
792.9	quelyr	20.3	e
796.6	taxdis	17.2	w
798.2	taxdis	19.8	e
800.3	taxdis	15.4	w
801.6	betnig	44.4	e
801.8	caraqu	29.0	w
802.1	quelyr	24.6	w
802.7	caraqu	10.5	w
803.3	snag	10.9	e
804.0	taxdis	12.7	e
804.3	<i>marker # 89</i>		
805.2	taxdis	16.3	w
805.9	betnig	51.2	e
806.4	taxdis	15.6	e
806.8	snag	50.0	e
807.9	caraqu	22.8	w
810.6	foracu	12.0	e
		8.1	
811.5	betnig	12.9	w
813.4	betnig	17.7	e
815.5	acerub	31.9	w
816.8	taxdis	26.4	e
817.9	betnig	21.8	w
824.6	caraqu	45.0	e

D MS: The sampling width of this transect is 10 meters (5 meters on each side of the transect line) from 5.3 m to 413 m and from 825.6 m to 902.2 m. The sampling width is 5 meters on the west side of the transect line from 413 to 825.6 and from 902.2 to 1003.7 (Continued)

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side	Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
826.3	betnig	18.7	w	924.2	betnig	50.8	w
828.0	foracu	9.7	w	928.7	taxdis	15.7	e
		11.9		929.8	fracar	11.1	w
830.6	ulmame	15.0	w	930.1		fracar	
831.4	ulmame	11.9	w	930.1	fracar		16.6
839.5	caraqu	43.1	w	930.1	fracar	5.5	w
842.2	acerub	13.5	w	930.6	fracar	12.4	w
845.0	<i>marker # 90</i>					10.5	
845.8	cravir	11.2	w			11.2	
		11.3				13.2	
845.8	cravir	6.9	w	931.8	liqsty	10.0	e
846.3	caraqu	38.4	w	935.0	plaaqu	30.0	e
850.5	quelyr	46.4	e	936.1	taxdis	32.7	w
854.9	cravir	16.8	e	937.5	plaaqu	24.1	e
862.1	taxdis	10.2	e	938.3	plaaqu	25.4	w
863.9	caraqu	33.7	w	938.4	cepocc	10.7	e
864.1	cellae	22.7	w	942.7	fracar	10.3	e
866.7	betnig	37.5	e			9.3	
867.7	caraqu	50.0	e			5.0	
870.3	caraqu	34.4	w			8.0	
873.1	betnig	10.7	e			7.4	
873.7	betnig	16.2	w			13.8	
		10.2				7.4	
877.0	carcar	14.0	w			9.2	
883.7	betnig	15.7	w	946.1	fracar	17.4	e
883.8	betnig	17.2	e	946.3	snag	11.4	e
886.5	betnig	15.8	w	946.4	gleaqu	38.4	e
889.3	betnig	22.9	e	947.0	gleaqu	13.0	e
889.5	<i>marker # 91</i>			948.0	gleaqu	15.0	e
889.8	liqsty	24.1	e	950.6	plaaqu	27.9	w
890.1	betnig	13.0	w			35.6	
891.5	betnig	18.9	w	954.6	nysaqu	21.5	e
891.5	betnig	15.6	e	955.4	plaaqu	37.5	w
893.5	betnig	10.7	e	956.4	gleaqu	15.1	e
894.5	betnig	23.7	w	956.4	taxdis	15.6	e
894.9	betnig	18.3	w	956.8	taxdis	49.0	w
896.3	betnig	10.0	w	959.0	taxdis	53.8	w
897.7	betnig	11.9	w	959.9	fracar	12.7	w
897.7	betnig	10.3	e			6.5	
899.0	caraqu	34.0	e	959.9	taxdis	35.0	w
900.4	betnig	12.9	e	960.1	plaaqu	17.3	w
900.8	betnig	31.8	w	960.5	taxdis	55.5	e
902.2	betnig	12.4	e	964.9	plaaqu	16.0	w
903.4	betnig	15.7	w	965.4	plaaqu	21.0	w
916.4	snag	30.6	e	966.4	nysaqu	63.0	e
917.4	<i>marker # 92</i>						
918.6	snag	69.0	e				

D MS: The sampling width of this transect is 10 meters (5 meters on each side of the transect line) from 5.3 m to 413 m and from 825.6 m to 902.2 m. The sampling width is 5 meters on the west side of the transect line from 413 to 825.6 and from 902.2 to 1003.7 (Continued)

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
967.9	nysaqu	45.9	w
969.5	nysaqu	28.2	e
969.9	gleaqu	34.8	w
970.0	taxdis	53.6	w
970.1	<i>marker # 93</i>		
972.0	taxdis	63.8	w
972.2	snag	37.0	e
976.1	quelyr	61.1	e
980.6	caraqu	61.2	w
980.8	quelyr	67.0	e
984.0	quelyr	44.5	w
985.0	ulmame	26.4	w
994.0	snag	53.9	w
1000.2	ulmame	20.2	w
1002.9	ulmame	13.4	w
1003.7	<i>marker # 94</i>		
1004.9	snag	36.1	w
1005.3	quelau	60.0	e
1007.5	ulmame	26.0	e

E KN: The sampling width of this transect is 5 meters (on the north side of the transect line) from -3.1 to 721.5 and 10 meters (5 meters on either side of the transect line) from 721.5 to 729.3

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
0	<i>marker # 95</i>		
3.9	liqsty	10.0	n
4.2	betnig	18.9	n
6.2	liqsty	10.5	n
		6.5	
7.9	taxdis	33.0	n
10.8	betnig	12.6	n
11.5	betnig	13.0	n
12.4	betnig	10.0	n
14.6	betnig	10.0	n
17.4	taxdis	37.3	n
18.5	taxdis	17.4	n
22.4	betnig	15.7	n
		7.0	
25.1	taxdis	11.4	n
25.2	<i>marker # 96</i>		
27.7	betnig	12.3	n
28.7	betnig	8.9	n
		11.2	
30.4	liqsty	10.2	n
32.3	betnig	18.8	n
34.1	taxdis	35.4	n
35.5	taxdis	35.4	n
37.3	liqsty	12.3	n
39.2	betnig	20.0	n
41.2	gleaqu	10.0	n
		6.5	
		5.0	
45.6	plaaqu	22.4	n
50.7	taxdis	13.4	n
51.6	<i>marker # 97</i>		
52.5	salcar	13.3	n
		8.7	
52.6	salcar	15.4	n
52.6	salcar	11.0	n
54.0	fracar	12.5	n
55.9	plaaqu	16.5	n
59.8	taxdis	32.6	n
60.8	taxdis	32.7	n
61.0	fracar	10.5	n
		4.3	
61.2	nysaqu	26.5	n
61.5	fracar	14.5	n
		5.0	
		6.0	

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
64.9	frapro	21.9	n
65.8	plaaqu	12.0	n
65.8	plaaqu	12.0	n
69.3	nysaqu	56.4	n
70.2	<i>marker # 98</i>		
76.8	nysaqu	51.3	n
79.7	nysaqu	36.4	n
79.9	taxdis	19.2	n
82.0	frapro	30.3	n
		27.9	
83.0	snag	17.5	n
85.1	nysaqu	42.0	n
85.7	nysaqu	16.2	n
91.2	frapro	25.0	n
91.6	nysaqu	25.8	n
93.5	nysaqu	30.4	n
96.0	nysaqu	59.3	n
97.2	<i>marker # 99</i>		
99.7	fracar	13.5	n
100.3	nysaqu	41.6	n
102.8	taxdis	27.0	n
105.8	plaaqu	12.5	n
108.3	plaaqu	12.8	n
		11.1	
		11.5	
		13.8	
110.3	fracar	10.9	n
		19.5	
115.2	plaaqu	19.5	n
117.9	<i>marker # 100</i>		
118.5	plaaqu	17.9	n
122.1	plaaqu	20.0	n
127.9	frapro	43.0	n
129.8	liqsty	19.0	n
132.0	fracar	10.0	n
132.5	taxdis	31.2	n
134.9	taxdis	10.6	n
135.3	nysaqu	48.9	n
136.4	nysaqu	24.6	n
136.7	taxdis	25.3	n
138.1	taxdis	26.4	n
138.8	plaaqu	27.0	n
139.1	<i>marker # 101</i>		
140.5	nysaqu	22.1	n

E KN: The sampling width of this transect is 5 meters (on the north side of the transect line) from -3.1 to 721.5 and 10 meters (5 meters on either side of the transect line) from 721.5 to 729.3 (Continued)

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
150.8	fracar	10.6	n
		9.5	
150.9	taxdis	39.6	n
154.7	nysaqu	50.1	n
156.9	plaaqu	30.4	n
160.3	<i>marker # 102</i>		
160.5	nysaqu	56.8	n
163.5	plaaqu	10.9	n
167.6	plaaqu	11.3	n
		9.1	
		9.2	
168.5	acerub	27.9	n
170.4	fracar	10.7	n
		6.8	
170.7	fracar	14.3	n
		11.7	
172.3	fracar	10.0	n
178.5	taxdis	31.0	n
179.1	taxdis	38.8	n
180.7	taxdis	39.4	n
		28.4	
182.6	snag	24.7	n
184.7	plaaqu	22.9	n
	plaaqu		
	plaaqu		
184.7	taxdis	13.0	n
186.8	taxdis	45.9	n
188.2	fracar	11.0	n
190.8	<i>marker # 103</i>		
191.5	acerub	27.4	n
192.3	liqsty	44.1	n
192.4	taxdis	17.4	n
200.8	nysaqu	52.5	n
202.3	taxdis	38.0	n
206.2	fracar	10.6	n
206.5	fracar	10.1	n
208.3	nysaqu	53.3	n
208.7	snag	19.7	n
212.3	plaaqu	30.5	n
		6.5	
212.6	nysaqu	58.6	n
214.0	fracar	10.3	n
214.0	fracar	9.4	n
216.0	taxdis	65.5	n
218.3	plaaqu	17.5	n
219.2	nysaqu	14.6	n
221.7	<i>marker # 104</i>		

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
230.4	nysaqu	32.0	n
234.6	nysaqu	31.8	n
234.6	nysaqu	17.9	n
237.8	nysaqu	61.9	n
240.9	nysaqu	12.3	n
241.4	nysaqu	21.4	n
241.4	nysaqu	23.1	n
242.2	taxdis	39.0	n
242.4	nysaqu	38.0	n
242.5	nysaqu	44.4	n
242.8	nysaqu	16.7	n
243.8	nysaqu	25.8	n
246.2	taxdis	13.8	n
247.2	taxdis	23.3	n
248.1	taxdis	40.4	n
250.4	taxdis	41.5	n
257.1	nysaqu	35.3	n
257.5	taxdis	39.6	n
260.0	nysaqu	16.9	n
260.1	taxdis	46.0	n
265.2	<i>marker # 105</i>		
265.7	nysaqu	48.5	n
		39.2	
269.0	taxdis	43.0	n
273.3	fracar	15.2	n
		5.0	
273.7	snag	12.5	n
277.5	ulmame	26.9	n
281.2	taxdis	23.4	n
282.8	plaaqu	16.7	n
		14.8	
		9.0	
		6.0	
283.3	ulmame	30.3	n
		15.5	
290.3	betnig	15.5	n
290.2	<i>marker # 106</i>		
295.9	caraqu	60.6	n
302.6	quelau	65.9	n
306.0	taxdis	16.9	n
306.1	quelau	21.4	n
308.1	cravir	13.5	n
314.9	cravir	11.8	n
315.4	caraqu	14.8	n
316.2	quelau	35.8	n
321.5	liqsty	33.4	n
322.4	carcar	16.5	n

E KN: The sampling width of this transect is 5 meters (on the north side of the transect line) from -3.1 to 721.5 and 10 meters (5 meters on either side of the transect line) from 721.5 to 729.3 (Continued)

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
322.6	<i>marker # 107</i>		
322.6	liqsty	45.3	n
		37.4	
323.0	liqsty	19.9	n
325.8	taxdis	14.4	n
327.5	betnig	14.7	n
334.7	plaaqu	22.0	n
335.2	plaaqu	14.1	n
335.5	nysaqu	25.8	n
339.5	nysaqu	44.0	n
343.6	fracar	10.5	n
344.5	fracar	11.9	n
344.9	snag	10.4	n
345.7	cepocc	10.1	n
348.5	<i>marker # 108</i>		
349.5	taxdis	53.6	n
349.7	nysaqu	12.8	n
353.4	taxdis	22.3	n
357.3	plaaqu	22.5	n
		8.6	
358.5	plaaqu	23.5	n
360.9	frapro	39.9	n
361.5	fracar	20.8	n
361.5	fracar	16.2	n
370.0	nysaqu	45.0	n
		22.7	
371.6	nysaqu	51.0	n
373.4	nysbif	51.5	n
373.8	plaaqu	16.4	n
376.2	taxdis	54.8	n
382.8	frapro	23.7	n
383.3	<i>marker # 109</i>		
383.3	nysaqu	32.4	n
383.3	nysaqu	40.3	n
389.6	taxdis	40.5	n
390.8	taxdis	45.9	n
390.9	taxdis	26.5	n
391.3	liqsty	16.5	n
392.2	plaaqu	10.1	n
394.8	taxdis	30.8	n
396.4	taxdis	31.2	n
397.6	fracar	10.5	n
399.6	taxdis	23.5	n
400.9	nysaqu	54.7	n
401.5	taxdis	18.1	n
403.6	taxdis	34.0	n
404.5	nysaqu	43.6	n

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
405.8	taxdis	24.3	n
406.9	taxdis	21.9	n
407.0	taxdis	30.8	n
407.1	taxdis	17.2	n
407.6	<i>marker # 110</i>		
408.1	taxdis	30.3	n
408.1	taxdis	20.5	n
408.6	taxdis	43.5	n
411.7	taxdis	25.2	n
413.5	taxdis	14.3	n
413.6	taxdis	31.5	n
414.1	taxdis	21.5	n
415.8	fracar	10.9	n
		6.3	
		8.6	
415.8	taxdis	24.3	n
416.4	taxdis	31.5	n
416.8	fracar	11.0	n
417.4	taxdis	30.0	n
417.6	taxdis	46.9	n
419.2	snag	10.3	n
420.1	fracar	10.9	n
420.4	fracar	10.7	n
422.5	plaaqu	21.9	n
422.9	liqsty	17.8	n
423.2	fracar	12.0	n
		4.5	
425.9	frapro	40.8	n
426.3	plaaqu	10.8	n
428.0	ulmame	11.0	n
431.3	<i>marker # 111</i>		
437.0	fracar	13.1	n
		4.8	
		8.8	
438.4	snag	11.0	n
439.7	ilecas	11.3	n
440.2	taxdis	39.4	n
442.8	nysaqu	49.7	n
444.4	taxdis	34.9	n
445.6	taxdis	24.6	n
447.0	taxdis	45.2	n
452.3	nysaqu	36.2	n
452.6	<i>marker # 112</i>		
453.6	nysaqu	40.3	n
453.9	nysaqu	44.4	n
453.9	snag	17.1	n
455.6	nysaqu	40.8	n

E KN: The sampling width of this transect is 5 meters (on the north side of the transect line) from -3.1 to 721.5 and 10 meters (5 meters on either side of the transect line) from 721.5 to 729.3 (Continued)

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
457.7	taxdis	42.0	n
459.0	taxdis	29.2	n
460.7	fracar	11.6	n
		7.5	
		9.0	
460.9	nysaqu	38.1	n
461.0	taxdis	35.9	n
464.5	taxdis	21.5	n
465.3	snag	22.8	n
		19.9	
465.6	taxdis	34.3	n
468.5	liqsty	16.7	n
470.5	taxdis	14.6	n
471.2	taxdis	15.4	n
477.3	nysaqu	35.1	n
477.5	frapro	14.7	n
481.0	<i>marker # 113</i>		
481.8	taxdis	42.5	n
481.8	taxdis	13.4	n
482.9	nysaqu	52.4	n
487.5	liqsty	50.2	n
489.2	fracar	18.0	n
490.5	fracar	16.7	n
491.9	taxdis	20.4	n
496.6	taxdis	20.2	n
497.1	caraqu	28.0	n
498.4	nysaqu	42.0	n
504.3	taxdis	49.2	n
507.7	taxdis	16.3	n
511.2	taxdis	15.4	n
511.7	liqsty	20.4	n
512.1	taxdis	40.6	n
512.3	<i>marker # 114</i>		
514.4	frapro	16.8	n
		20.1	
515.0	frapro	15.6	n
524.3	nysaqu	57.2	n
526.7	nysaqu	22.9	n
527.9	ulmame	22.1	n
528.9	nysaqu	39.0	n
531.5	nysaqu	51.1	n
532.3	nysaqu	32.8	n
534.2	taxdis	49.3	n
540.1	nysaqu	49.4	n
545.2	fracar	10.6	n
		4.0	
548.9	plaaqu	15.3	n

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
550.3	<i>marker # 115</i>		
555.6	taxdis	28.5	n
556.7	taxdis	24.5	n
557.8	taxdis	31.6	n
558.3	taxdis	28.5	n
559.0	taxdis	25.9	n
559.5	taxdis	14.9	n
560.2	liqsty	10.6	n
561.4	taxdis	12.3	n
561.4	taxdis	26.9	n
561.9	taxdis	50.8	n
564.0	fracar	12.5	n
564.5	frapro	20.4	n
564.5	frapro	22.4	n
567.2	nysaqu	41.5	n
573.2	nysaqu	34.6	n
		42.0	
574.3	taxdis	24.0	n
575.7	fracar	15.2	n
580.6	<i>marker # 116</i>		
584.9	nysaqu	13.7	n
586.6	fracar	10.7	n
		6.8	
587.3	nysaqu	24.4	n
595.1	frapro	23.3	n
		39.1	
599.1	fracar	10.6	n
600.5	taxdis	56.0	n
605.5	nysaqu	34.6	n
607.4	taxdis	20.0	n
607.5	<i>marker # 117</i>		
609.8	nysaqu	47.6	n
611.8	taxdis	20.4	n
612.3	taxdis	46.7	n
617.0	nysaqu	21.3	n
618.0	taxdis	40.5	n
622.8	taxdis	33.4	n
624.0	nysaqu	24.2	n
625.8	fracar	15.0	n
626.2	taxdis	31.8	n
626.9	taxdis	20.9	n
630.5	<i>marker # 118</i>		
638.6	fracar	10.1	n
642.0	caraqu	10.0	n
642.3	taxdis	33.0	n
644.9	taxdis	47.0	n
645.4	snag	17.4	n

E KN: The sampling width of this transect is 5 meters (on the north side of the transect line) from -3.1 to 721.5 and 10 meters (5 meters on either side of the transect line) from 721.5 to 729.3 (Continued)

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
645.7	frapro	23.4	n
647.4	fracar	14.5	n
	fracar		
647.9	taxdis	27.4	n
650.3	taxdis	24.4	n
652.7	nysaqu	57.3	n
653.8	marker # 119		
656.7	taxdis	41.3	n
662.1	taxdis	26.4	n
664.0	nysaqu	43.5	n
666.2	fracar	15.8	n
		6.4	
667.5	fracar	11.3	n
672.8	fracar	9.1	n
		5.5	
		12.2	
		8.5	
		7.0	
673.1	fracar	13.2	n
679.2	marker # 120		
682.1	plaaqu	12.3	n
685.3	plaaqu	13.3	n
687.8	frapro	37.4	n
688.7	frapro	14.3	n
689.7	ulmame	10.0	n
691.8	taxdis	91.4	n
693.0	nysaqu	61.8	n
694.2	fracar	14.0	n
698.4	taxdis	30.4	n
698.8	taxdis	28.7	n
727.7	fracar	11.4	s
		6.2	
		12.6	
		9.0	
		4.3	
		8.3	
		8.4	
		10.2	
729.3	marker # 121		
731.3	betnig	32.1	n
731.4	frapro	48.3	s
732.3	fracar	12.7	n
		6.0	
732.3	taxdis	52.4	n
732.4	fracar	13.7	n
		11.3	

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
732.4	caraqu	52.6	s
733.6	acerub	37.4	n
		22.2	
		7.6	
		16.5	
		5.9	
733.9	nysaqu	54.2	n

F KI: The sampling width of this transect is 10 meters (5 meters on either side of the transect line).

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
0.0	<i>marker # 122</i>		
3.6	liqsty	47.2	w
7.9	quelau	54.0	w
9.6	quelau	24.6	w
11.4	liqsty	32.5	e
16.9	caraqu	23.2	w
17.8	carcar	11.4	e
22.8	betnig	37.8	w
		6.3	
24.2	betnig	18.6	w
		9.5	
26.9	betnig	21.0	w
26.9	sabpal	19.3	w
28.4	sabpal	26.8	e
36.9	<i>marker # 123</i>		
39.6	betnig	18.4	w
40.1	sabpal	26.8	w
41.4	carcar	14.9	e
43.3	carcar	16.5	w
45.6	betnig	37.6	w
46.6	liqsty	18.0	e
54.4	liqsty	12.0	e
54.6	liqsty	10.9	w
56.5	liqsty	11.0	w
56.9	cravir	16.4	w
62.3	carcar	20.4	e
64.2	betnig	19.6	w
67.7	carcar	11.4	e
73.8	carcar	15.3	w
74.0	<i>marker # 124</i>		
77.1	carcar	20.3	e
77.5	quelau	53.8	e
81.8	quelau	37.0	e
83.9	quelau	52.4	w
87.3	betnig	19.9	e
94.8	liqsty	32.5	w
95.8	betnig	13.2	e
100.0	<i>marker # 125</i>		

G TK: The sampling width of this transect is 5 meters on the west side of the transect line

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
0.0	<i>marker # 126</i>		
3.3	snag	11.5	w
3.6	quelau	11.2	w
4.8	liqsty	37.6	w
7.5	taxdis	29.9	w
10.5	sabpal	28.6	w
11.0	quelau	48.1	w
15.1	nysbif	15.2	w
15.9	sabpal	18.7	w
16.4	liqsty	16.7	w
20.8	taxdis	15.8	w
23.2	nysbif	33.4	w
23.8	acerub	10.4	w
25.9	taxdis	11.5	w
29.6	<i>marker # 127</i>		
30.1	taxdis	24.0	w
30.8	nysbif	25.0	w
31.1	nysbif	19.5	w
31.4	frapro	11.2	w
32.3	taxdis	24.0	w
34.1	nysbif	41.3	w
35.5	taxdis	27.6	w
35.6	nysbif	35.1	w
36.3	nysbif	11.3	w
36.5	nysbif	21.0	w
38.1	nysbif	31.0	w
40.1	liqsty	39.8	w
42.1	nysbif	24.5	w
43.2	nysbif	27.0	w
43.3	nysbif	37.8	w
43.6	nysbif	13.3	w
44.1	nysbif	22.5	w
44.4	ulmame	18.2	w
47.6	sabpal	23.5	w
47.7	liqsty	49.7	w
52.4	taxdis	22.4	w
53.4	taxdis	14.3	w
53.6	nysbif	18.9	w
54.6	<i>marker # 128</i>		
57.1	nysbif	29.0	w
60.5	frapro	11.3	w
61.0	nysbif	11.4	w
61.7	nysaqu	66.0	w
62.4	nysbif	38.2	w
65.4	taxdis	37.5	w
66.3	taxdis	13.0	w

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
66.5	nysbif	28.5	w
67.6	nysbif	13.0	w
68.9	snag	18.4	w
69.7	nysbif	35.9	w
70.0	nysbif	34.5	w
70.1	nysaqu	10.0	w
70.3	frapro	17.6	w
75.7	nysbif	20.3	w
76.3	nysbif	31.8	w
77.9	frapro	36.6	w
81.4	nysbif	29.6	w
83.8	snag	19.5	w
84.3	<i>marker #129</i>		
87.2	nysaqu	44.5	w
87.4	acerub	19.4	w
89.1	frapro	32.0	w
91.0	nysaqu	56.9	w
93.2	frapro	12.8	w
94.4	nysaqu	29.7	w
96.5	taxdis	11.9	w
100.3	taxdis	10.2	w
101.5	nysbif	64.5	w
105.2	taxdis	13.0	w
105.7	frapro	37.7	w
107.9	taxdis	26.1	w
108.6	taxdis	30.6	w
108.8	taxdis	14.0	w
110.5	<i>marker #130</i>		
111.8	taxdis	26.7	w
111.9	taxdis	30.8	w
114.2	taxdis	26.1	w
115.1	liqsty	33.0	w
119.2	acerub	21.1	w
119.8	taxdis	42.0	w
121.5	taxdis	19.4	w
123.4	taxdis	45.9	w
127.2	taxdis	24.0	w
127.6	nysbif	15.0	w
135.3	nysbif	13.8	w
136.3	snag	29.8	w
138.0	liqsty	12.7	w
140.2	snag	59.8	w
140.4	<i>marker #131</i>		
141.4	nysbif	22.5	w
142.0	nysbif	15.3	w
143.0	nysbif	30.5	w

G TK: The sampling width of this transect is 5 meters on the west side of the transect line

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
145.7	taxdis	19.8	w
148.4	nysbif	35.5	w
153.6	ulmame	12.0	w
156.3	carcar	15.4	w
158.1	frapro	52.9	w
163.8	nysbif	22.5	w
164.9	nysbif	10.4	w
166.5	frapro	23.8	w
		5.2	
166.8	frapro	51.8	w
167.9	taxdis	22.0	w
172.3	taxdis	18.3	w
173.1	<i>marker # 132</i>		
173.3	taxdis	12.3	w
175.5	frapro	65.5	w
		37.8	
176.7	nysbif	17.7	w
176.9	nysbif	13.6	w
181.5	frapro	23.9	w
181.8	snag	30.5	w
183.0	nysbif	61.0	w
183.2	quelau	19.0	w
185.4	nysbif	52.4	w
190.2	frapro	11.5	w
190.6	taxdis	36.4	w
192.8	taxdis	21.9	w
193.9	taxdis	44.0	w
196.4	nysbif	11.5	w
197.3	nysbif	25.0	w
202.7	nysaqu	65.0	w
202.9	nysbif	10.4	w
205.9	<i>marker # 133</i>		
206.8	taxdis	14.6	w
208.5	nysaqu	46.6	w
208.9	nysbif	17.0	w
211.6	snag	28.6	w
212.5	taxdis	53.6	w
216.0	ulmame	13.1	w
216.3	ulmame	14.5	w
219.9	frapro	12.0	w
221.5	nysbif	49.5	w
221.8	snag	25.6	w
224.2	taxdis	24.9	w
227.3	frapro	20.6	w
229.6	taxdis	46.9	w
231.2	nysbif	19.5	w

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
233.3	taxdis	15.6	w
238.1	taxdis	24.8	w
239.2	taxdis	22.9	w
241.4	<i>marker #134</i>		
242.6	magvir	21.4	w
243.2	taxdis	26.9	w
243.7	taxdis	60.5	w
248.0	ulmame	13.0	w
248.6	frapro	16.9	w
255.5	ulmame	20.2	w
256.0	nysbif	38.9	w
256.8	nysbif	59.8	w
262.1	taxdis	16.0	w
262.2	nysbif	19.7	w
262.3	nysbif	12.1	w
263.8	snag	15.4	w
271.0	<i>marker #135</i>		
272.2	taxdis	30.0	w
272.3	snag	31.1	w
276.1	snag	61.4	w
276.5	carcar	12.7	w
		8.7	
276.9	magvir	41.4	w
281.2	snag	44.0	w
286.2	nysbif	17.0	w
287.2	taxdis	10.6	w
293.5	carcar	10.2	w
295.4	quelau	21.7	w
295.8	quelau	30.7	w
297.5	nysbif	59.9	w
297.6	liqsty	22.5	w
300.1	snag	10.5	w
302.0	nysbif	23.0	w
305.4	magvir	23.4	w
305.8	<i>marker # 136</i>		
306.1	magvir	52.8	w
306.4	nysbif	19.1	w
313.3	frapro	23.2	w
313.4	snag	34.8	w
318.4	magvir	55.0	w
320.0	liqsty	12.2	w
322.1	nysbif	19.4	w
323.6	nysbif	11.0	w
323.9	nysbif	40.6	w
325.4	nysbif	28.9	w
327.8	magvir	10.2	w

G TK: The sampling width of this transect is 5 meters on the west side of the transect line

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
328.0	magvir	51.3	w
329.5	liqsty	11.1	w
333.0	<i>marker #137</i>		
334.4	nysbif	34.4	w
335.4	nysbif	17.1	w
336.9	snag	24.4	w
338.1	nysbif	23.5	w
338.3	taxdis	13.5	w
338.4	nysbif	17.5	w
342.7	liqsty	26.1	w
343.7	magvir	43.6	w
347.1	taxdis	42.5	w
349.3	acerub	42.9	w
351.2	nysbif	34.8	w
352.5	nysbif	13.0	w
356.4	magvir	41.5	w
		6.1	
358.1	nysbif	29.4	w
358.3	nysbif	19.0	w
361.1	<i>marker # 138</i>		
361.4	nysbif	21.8	w
362.0	liqsty	20.6	w
364.1	frapro	59.8	w
365.1	nysbif	34.3	w
369.7	nysbif	11.5	w
371.5	taxdis	14.3	w
372.5	frapro	50.9	w
373.2	snag	18.9	w
374.7	nysbif	25.3	w
375.8	nysbif	19.0	w
376.9	frapro	32.4	w
377.4	snag	19.5	w
378.5	ulmame	10.7	w
380.0	taxdis	30.0	w
380.6	quelau	21.0	w
382.8	taxdis	41.3	w
384.9	frapro	27.0	w
		12.1	
384.9	frapro	4.5	w
388.4	nysbif	38.5	w
390.5	frapro	34.2	w
390.7	nysbif	46.0	w
392.2	<i>marker # 139</i>		
394.1	nysbif	11.9	w
396.7	nysbif	17.5	w
396.8	nysbif	59.2	w

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
398.5	frapro	57.6	w
399.6	nysbif	21.4	w
401.6	frapro	15.1	w
403.7	nysbif	25.8	w
404.0	nysbif	16.6	w
404.4	taxdis	28.8	w
405.8	nysbif	41.4	w
406.8	taxdis	11.5	w
411.9	<i>marker # 140</i>		

H SN: The sampling width of this transect is 8 meters on the north side of the transect line and 5 meters on the south side of the transect line

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
0.0	<i>marker # 141</i>		
1.4	magvir	21.4	s
2.9	sabpal	24.2	n
3.3	magvir	16.0	n
3.8	sabpal	31.4	s
5.0	magvir	11.9	s
6.0	frapro	10.3	n
6.6	magvir	10.1	n
		13.0	
		30.8	
7.6	magvir	14.4	n
10.4	perpal	15.6	s
10.4	perpal	22.6	s
10.9	quenig	12.7	s
11.2	frapro	43.3	n
11.5	magvir	10.0	n
12.8	nysbif	18.4	n
13.3	nysbif	26.3	n
14.1	sabpal	23.3	n
14.8	myrcer	11.4	n
15.3	<i>marker # 142</i>		
16.2	sabpal	24.9	s
16.3	frapro	40.5	n
17.5	sabpal	25.2	n
18.3	sabpal	22.5	s
19.3	quelau	50.4	s
19.7	magvir	36.7	n
19.7	taxdis	18.6	n
20.9	magvir	38.0	s
22.2	taxdis	30.5	n
22.9	frapro	43.4	s
23.6	sabpal	20.5	s
24.2	myrcer	11.5	s
24.5	perpal	19.6	s
26.4	sabpal	24.9	n
27.2	magvir	38.0	s
		4.5	
27.6	taxdis	12.9	n
29.2	myrcer	20.7	n
29.5	frapro	42.2	s
30.0	perpal	17.4	n
30.8	sabpal	25.0	s
31.1	sabpal	33.9	s
31.6	sabpal	24.7	s
31.8	magvir	20.6	s

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
32.8	magvir	37.6	s
33.1	sabpal	31.0	n
33.5	snag	13.5	n
33.5	snag	13.0	n
33.6	magvir	50.3	n
36.1	sabpal	35.6	n
36.1	nysbif	25.4	n
37.5	magvir	27.4	s
38.2	nysbif	29.9	s
38.3	perpal	10.3	s
38.4	sabpal	25.2	s
38.6	<i>marker # 143</i>		
40.6	frapro	10.3	s
40.7	nysbif	27.6	s
41.4	magvir	34.7	n
41.6	taxdis	12.4	n
42.1	sabpal	22.4	n
43.6	snag	25.2	s
44.2	nysbif	26.6	n
45.2	frapro	33.7	n
47.0	sabpal	24.9	s
47.2	sabpal	24.6	n
47.5	perpal	41.3	n
49.1	sabpal	23.3	s
49.2	nysbif	10.5	n
51.4	sabpal	16.0	n
52.8	sabpal	28.9	s
54.1	sabpal	23.7	n
56.1	taxdis	14.7	n
58.1	magvir	21.1	n
58.2	magvir	27.2	n
59.2	snag	22.8	s
59.7	myrcer	16.8	s
59.8	nysbif	41.2	s
61.0	magvir	34.1	n
61.0	magvir	32.3	s
61.1	magvir	19.8	s
61.6	sabpal	24.3	n
62.3	nysbif	26.3	n
62.7	<i>marker # 144</i>		
62.9	taxdis	10.3	n
63.4	magvir	23.4	s
63.5	magvir	29.3	n
65.1	myrcer	14.9	n
65.1	magvir	27.2	s

H SN: The sampling width of this transect is 8 meters on the north side of the transect line and 5 meters on the south side of the transect line

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
65.3	myrcer	10.4	s
65.4	ulmame	16.3	n
66.2	magvir	25.2	n
66.4	nysbif	43.1	s
66.8	frapro	25.6	n
67.8	magvir	17.1	n
68.1	magvir	30.2	n
68.3	frapro	29.6	s
69.2	nysbif	11.6	n
70.6	perpal	14.5	n
71.2	nysbif	28.6	n
71.7	sabpal	22.1	n
72.0	taxdis	20.2	n
72.4	magvir	16.2	s
73.4	taxdis	28.8	n
74.3	frapro	29.5	n
74.3	frapro	29.4	s
		15.9	
76.0	perpal	12.5	s
78.6	snag	40.0	s
79.3	nysbif	27.5	n
79.3	myrcer	22.2	n
		9.3	
79.7	magvir	23.7	s
80.0	magvir	32.3	n
80.6	acerub	40.0	n
82.3	sabpal	29.3	n
82.5	taxdis	40.8	s
82.6	sabpal	26.0	n
83.5	taxdis	24.5	s
84.2	myrcer	11.1	n
85.3	snag	19.5	n
86.5	magvir	20.6	s
86.7	magvir	28.7	n
88.3	sabpal	23.8	s
88.3	<i>marker # 145</i>		
88.4	myrcer	11.0	s
		8.3	

I SH: The sampling width of this transect is 10 meters, 5 meters on either side of the transect line

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
0.0	<i>marker # 146</i>		
0.2	ulmame	13.8	w
0.6	taxdis	41.6	w
0.8	magvir	34.5	e
1.6	sabpal	31.3	e
2.1	snag	24.5	w
4.7	acerub	16.1	w
6.9	sabpal	27.8	w
9.0	perpal	20.4	w
10.6	carcar	10.0	w
15.7	carcar	17.5	w
16.8	sabpal	27.0	w
17.6	sabpal	34.8	w
19.3	pintae	28.5	w
25.4	liqsty	33.9	e
28.6	<i>marker # 147</i>		
29.2	snag	17.1	w
31.1	pintae	31.7	w
31.2	quenig	28.2	e
33.4	sabpal	24.5	w
33.6	quenig	21.0	w
35.9	quenig	24.5	w
36.4	quenig	31.1	w
36.6	quenig	13.8	w
38.3	quenig	32.1	w
41.5	sabpal	23.6	w
41.5	pintae	14.4	w
43.2	sabpal	22.2	e
43.2	quenig	33.3	w
43.9	quevir	41.5	e
44.5	pintae	17.3	e
49.2	sabpal	31.9	e
50.0	<i>marker # 148</i>		
53.3	liqsty	14.6	w
53.6	sabpal	30.1	w
58.5	sabpal	26.5	w
58.8	acerub	12.8	w
59.1	sabpal	28.2	w
59.3	pintae	52.5	e
62.0	quenig	16.9	e
62.6	sabpal	21.4	e
64.0	ostvir	14.0	w
65.9	quelau	17.7	w
67.4	sabpal	27.4	w
69.3	sabpal	30.0	e
73.7	sabpal	27.0	w

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
73.7	quelau	13.7	w
75.7	sabpal	27.3	w
77.0	quenig	15.3	e
78.4	quelau	11.4	e
		7.0	
80.0	quelau	11.7	e
83.4	quelau	18.0	e
84.1	acerub	10.6	e
84.6	quelau	16.8	w
84.7	sabpal	27.9	e
85.2	sabpal	26.8	w
86.0	<i>marker # 149</i>		
88.4	sabpal	26.3	e
88.5	sabpal	23.1	e
89.0	quelau	29.0	e
92.3	quelau	15.0	e
93.1	quelau	24.5	e
93.8	junsil	20.5	e
95.8	frapro	19.6	e
95.9	ulmame	18.5	e
97.4	sabpal	13.2	w
97.4	quelau	13.3	w
99.4	sabpal	30.0	e
99.4	sabpal	30.4	e
100.8	sabpal	26.9	e
105.2	quelau	33.0	e
105.3	sabpal	25.5	w
106.2	sabpal	31.6	e
106.5	liqsty	28.7	w
107.0	liqsty	32.5	e
107.3	sabpal	22.1	w
107.8	sabpal	29.1	w
108.2	sabpal	32.3	w
109.9	quevir	19.1	w
111.2	pintae	27.8	e
111.6	sabpal	30.7	w
113.3	sabpal	17.9	w
114.1	sabpal	27.4	e
116.1	sabpal	27.2	e
117.4	<i>marker # 150</i>		
118.8	liqsty	17.1	e
119.4	sabpal	13.3	w
120.2	quelau	18.8	w
121.5	junsil	14.9	e
124.3	junsil	25.8	w
124.3	vitcin	11.6	w

I SH: The sampling width of this transect is 10 meters, 5 meters on either side of the transect line (Continued)

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
124.8	quevir	26.0	w
125.7	quevir	54.9	w
128.0	sabpal	18.4	e
128.7	sabpal	29.9	w
130.9	sabpal	25.6	w
131.2	sabpal	26.2	e
132.8	sabpal	25.0	w
134.7	carcar	13.4	e
136.0	sabpal	29.9	e
136.5	sabpal	24.2	w
140.6	sabpal	28.1	e
141.7	sabpal	28.0	w
141.9	sabpal	26.3	e
144.0	sabpal	25.8	w
144.0	sabpal	23.9	e
147.2	sabpal	22.3	e
148.9	sabpal	30.5	e
151.0	<i>marker # 151</i>		
155.0	quevir	62.2	e

J BC: The sampling width of this transect is 10 meters, 5 meters on either side of the transect line

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
0.0	<i>marker # 152</i>		
3.3	magvir	13.6	e
3.5	myrcer	17.8	e
3.7	quevir	38.0	e
4.2	sabpal	29.5	w
4.6	acerub	24.4	e
5.3	taxdis	16.5	w
5.7	frapro	34.1	w
8.0	nysbif	35.0	w
9.0	acerub	21.4	w
10.0	ulmame	19.9	e
		21.1	
10.5	sabpal	22.6	w
10.7	quelau	10.2	w
12.3	sabpal	28.2	e
12.7	frapro	14.0	w
12.8	taxdis	10.5	e
14.3	magvir	44.8	e
14.7	acerub	40.2	w
15.6	ulmame	23.4	w
16.6	magvir	12.3	w
18.5	ulmame	32.2	e
18.7	magvir	22.4	e
21.1	quelau	14.3	w
21.2	quelau	12.4	e
22.4	frapro	17.2	e
22.5	frapro	15.4	w
22.7	quelau	14.1	e
22.8	nysbif	17.4	w
23.8	<i>marker # 153</i>		
25.4	quelau	13.5	e
25.5	sabpal	18.4	e
26.3	sabpal	26.0	w
27.3	nysbif	19.8	e
28.0	nysbif	20.0	w
29.1	frapro	43.8	e
29.1	magvir	10.2	w
		17.4	
		8.9	
		32.0	
		12.3	
29.5	frapro	18.0	w
29.6	quelau	10.5	w
31.8	acerub	51.9	w
32.0	ulmame	23.4	w
32.8	frapro	33.1	e

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
33.0	frapro	17.9	w
33.2	frapro	21.8	w
33.2	sabpal	24.0	e
35.1	magvir	19.0	e
		12.3	
		16.0	
		35.6	
36.8	frapro	47.5	w
36.8	taxdis	12.4	e
38.7	sabpal	24.0	w
40.5	frapro	26.5	e
41.6	frapro	26.4	e
42.6	frapro	16.9	e
43.2	frapro	26.3	w
43.4	frapro	26.2	e
43.5	frapro	24.5	w
43.7	frapro	21.4	e
43.7	frapro	21.1	w
44.4	quelau	29.5	w
44.8	<i>marker # 154</i>		
45.8	frapro	24.4	w
45.9	frapro	24.7	w
47.1	frapro	21.4	e
47.9	taxdis	11.2	e
48.1	frapro	21.7	w
48.5	frapro	16.0	e
48.7	frapro	27.4	w
49.0	frapro	38.6	e
50.4	snag	11.0	w
52.7	sabpal	20.7	e
53.2	frapro	13.4	e
		17.7	
53.6	nysbif	27.5	e
55.4	junsil	10.4	w
55.6	magvir	33.9	w
55.6	myrcer	11.9	w
		6.4	
56.6	frapro	26.4	e
		27.8	
56.7	taxdis	21.1	e
56.8	frapro	29.5	e
58.1	frapro	11.4	e
59.2	frapro	22.4	e
59.5	frapro	27.0	w
59.9	frapro	33.5	w
62.5	frapro	19.0	w

J BC: The sampling width of this transect is 10 meters, 5 meters on either side of the transect line (Continued)

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side	Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side	
62.6	frapro	27.1	e	91.0	acerub	10.5	w	
62.8	frapro	28.6	e	92.3	taxdis	42.3	e	
63.6	frapro	16.9	e	93.0	taxdis	42.2	w	
65.1	junsil	13.1	w	97.0	frapro	20.1	e	
65.4	sabpal	23.0	w	97.6	frapro	30.2	e	
65.5	taxdis	10.0	w	100.0	frapro	10.3	e	
66.0	frapro	16.7	e			10.0		
		8.4			101.3	frapro	26.8	e
70.2	nysbif	29.7	w	101.7	frapro	17.5	e	
70.6	frapro	12.7	e	101.7	frapro	40.6	w	
70.7	frapro	22.0	w	101.9	frapro	31.1	e	
72.2	frapro	28.5	w	102.0	snag	11.7	e	
72.4	snag	40.4	e	102.9	quelau	12.7	w	
72.6	frapro	29.0	e	103.6	frapro	25.9	e	
73.0	<i>marker # 155</i>			103.7	frapro	27.2	w	
73.4	frapro	22.7	w	103.8	<i>marker # 156</i>			
74.3	frapro	13.3	w	104.3	snag	22.0	e	
75.0	frapro	22.0	e	104.9	nysbif	36.9	e	
		19.6			105.0	frapro	14.4	w
75.5	frapro	31.9	w	105.5	frapro	25.3	e	
75.6	frapro	22.0	w	106.3	quelau	10.8	e	
76.4	frapro	32.5	w	107.3	frapro	17.3	e	
77.7	frapro	17.3	e	107.3	frapro	18.0	e	
		13.5			111.0	acerub	14.2	w
		10.3			113.8	nysbif	35.0	e
79.9	nysbif	30.0	w	114.2	frapro	25.4	e	
80.1	frapro	17.4	w	114.6	taxdis	29.8	e	
80.5	taxdis	27.7	e	115.0	frapro	20.6	w	
80.9	magvir	25.7	w	115.9	junsil	17.7	w	
81.1	frapro	17.7	e	116.3	frapro	21.5	e	
81.1	frapro	15.0	e	116.3	quelau	11.8	e	
81.2	frapro	14.2	e	118.7	sabpal	27.5	e	
82.1	snag	25.4	e	119.3	taxdis	21.5	w	
82.7	frapro	22.2	w	119.4	frapro	20.7	w	
82.8	taxdis	32.1	e	120.1	frapro	24.5	w	
84.9	frapro	32.7	e	120.3	frapro	17.9	e	
84.9	frapro	24.8	e	124.1	taxdis	121.0	w	
85.0	frapro	22.2	w	124.9	acerub	52.0	e	
85.5	taxdis	27.2	e	125.9	sabpal	25.6	e	
85.6	frapro	20.0	w	127.2	sabpal	28.3	w	
86.4	frapro	37.3	w	127.6	sabpal	26.8	w	
87.0	frapro	20.0	e	130.3	frapro	33.0	w	
89.2	frapro	26.9	e	130.9	frapro	22.9	w	
89.8	frapro	16.5	e	131.2	taxdis	15.2	e	
90.3	frapro	29.4	e	131.8	taxdis	22.7	e	
90.7	frapro	27.4	e	132.9	frapro	20.2	e	

J BC: The sampling width of this transect is 10 meters, 5 meters on either side of the transect line (Continued)

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
134.0	sabpal	25.2	e
134.9	nysbif	13.2	w
135.3	ulmame	36.5	e
135.6	sabpal	19.9	w
136.2	acerub	33.8	w
137.1	sabpal	26.1	e
139.0	frapro	42.4	w
140.1	sabpal	24.8	e
141.5	acerub	70.0	e
141.5	taxdis	12.4	w
143.9	frapro	31.7	e
144.2	taxdis	15.1	w
145.9	frapro	10.9	e
146.3	acerub	42.8	w
146.6	frapro	11.1	e
146.9	myrcer	12.2	e
147.3	<i>marker # 157</i>		
150.9	pintae	20.6	e
151.3	ulmame	10.9	e
151.9	junsil	16.1	e
153.1	sabpal	27.9	e
154.0	frapro	67.0	e
154.5	taxdis	11.2	w
155.8	ulmame	29.8	w
157.7	frapro	21.0	e
159.0	taxdis	28.5	w
159.8	taxdis	46.9	w
160.0	quelau	10.2	e
160.2	taxdis	26.6	w
161.7	frapro	23.4	w
163.9	ulmame	40.2	e
164.2	taxdis	15.8	w
164.5	frapro	24.0	e
164.5	taxdis	15.0	w
164.7	acerub	45.0	w
166.3	snag	16.4	w
167.1	taxdis	33.3	w
167.9	frapro	31.8	e
168.8	sabpal	25.8	w
171.0	frapro	28.8	e
171.0	taxdis	27.8	w
172.2	frapro	42.9	w
175.0	taxdis	38.7	w
175.6	magvir	43.4	e
178.3	sabpal	24.3	e
178.9	frapro	22.1	e

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
179.4	nysbif	27.8	w
181.3	magvir	15.1	e
182.0	taxdis	31.1	e
182.6	frapro	21.4	w
		12.4	
183.8	frapro	13.2	e
		11.1	
184.0	frapro	14.9	e
184.4	frapro	24.9	w
186.3	nysbif	30.6	w
		24.9	
186.8	carcar	10.0	w
188.0	frapro	13.4	e
188.1	taxdis	17.3	e
189.1	<i>marker # 158</i>		
189.8	frapro	24.8	e
191.0	frapro	44.1	e
191.0	frapro	33.5	w
193.2	taxdis	47.5	e
195.9	junsil	10.9	e
196.2	nysbif	10.3	e
196.3	sabpal	25.8	w
197.3	sabpal	18.3	e
200.2	acerub	33.2	w
200.8	ulmame	34.7	w
201.2	magvir	11.5	e
202.9	taxdis	45.2	e
203.7	frapro	10.9	w
203.8	frapro	38.7	e
204.3	frapro	14.2	w
206.9	frapro	21.9	w
208.0	taxdis	13.6	e
208.1	ulmame	25.2	e
208.4	nysbif	36.7	e
210.6	nysbif	20.7	w
210.8	frapro	22.0	w
211.2	nysbif	26.7	e
212.2	snag	19.4	e
213.4	nysbif	24.5	w
213.5	snag	14.7	w
214.5	frapro	24.0	e
215.6	<i>marker # 159</i>		

K LK: The sampling width of this transect is 10 meters, 5 meters on either side of the transect line

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
0.0	<i>marker # 160</i>		
1.8	frapro	15.0	w
		8.8	
1.9	magvir	15.5	e
3.2	frapro	13.4	w
4.9	nysbif	22.2	w
5.1	frapro	13.8	w
6.3	frapro	18.0	w
9.4	myrcer	10.0	e
9.7	frapro	15.7	w
10.3	frapro	14.4	w
11.0	nysbif	10.7	w
13.1	acerub	23.5	e
13.2	sabpal	23.1	e
13.5	frapro	24.5	w
		11.5	
13.7	nysbif	11.4	e
14.6	magvir	41.0	e
15.3	myrcer	10.0	e
15.6	nysbif	15.8	w
18.4	frapro	10.0	w
18.5	sabpal	28.3	e
18.8	myrcer	15.5	w
19.0	nysbif	14.7	e
21.2	frapro	24.5	e
21.6	frapro	21.9	w
22.2	frapro	10.5	w
22.3	magvir	10.4	e
23.2	magvir	36.9	e
23.4	frapro	19.0	w
23.7	magvir	37.4	w
24.4	magvir	10.4	w
26.0	frapro	12.0	e
27.9	magvir	22.7	e
27.9	magvir	11.1	w
28.2	frapro	11.4	w
28.7	<i>marker # 161</i>		
28.8	nysbif	21.4	e
29.9	magvir	36.0	w
30.8	frapro	11.6	e
31.4	frapro	10.0	w
		6.0	
32.3	frapro	12.9	w
32.4	frapro	13.2	w
33.2	frapro	19.1	e
33.7	frapro	11.4	e

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
34.1	magvir	15.7	e
36.0	frapro	23.7	e
36.5	frapro	15.3	e
36.8	frapro	24.9	w
37.2	frapro	19.9	w
37.9	magvir	12.1	e
38.3	magvir	13.3	e
38.7	snag	13.9	e
38.8	nysbif	25.4	w
39.0	nysbif	11.1	e
39.6	frapro	12.8	e
		11.8	
39.7	nysbif	6.7	w
40.3	frapro	21.4	w
43.1	magvir	27.6	w
43.2	snag	13.5	w
44.0	taxdis	15.0	e
44.2	magvir	14.4	w
44.5	nysbif	24.5	e
44.9	nysbif	46.3	w
45.3	taxdis	13.3	e
45.8	magvir	31.6	w
46.0	nysbif	19.5	w
46.1	quela	14.9	w
46.5	sabpal	23.0	w
48.2	frapro	12.6	w
48.2	nysbif	10.0	e
48.6	frapro	10.4	w
48.6	taxdis	11.2	e
49.0	frapro	10.0	e
50.2	junsil	12.3	w
50.3	frapro	13.1	e
50.5	frapro	10.3	e
52.2	nysbif	34.4	w
53.0	magvir	29.4	e
53.9	frapro	11.0	w
		6.3	
54.2	frapro	10.2	w
54.7	nysbif	12.8	e
56.0	nysbif	34.0	w
56.1	magvir	17.8	e
56.6	nysbif	13.0	e
57.3	frapro	10.1	e
58.1	frapro	10.6	e
		7.9	
58.2	frapro	13.1	w

K LK: The sampling width of this transect is 10 meters, 5 meters on either side of the transect line (Continued)

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
58.3	frapro	25.0	e
58.6	frapro	10.0	e
59.0	frapro	15.2	w
59.2	nysbif	27.0	w
59.5	snag	37.8	e
60.1	frapro	10.7	e
61.0	<i>marker # 162</i>		
61.4	myrcer	11.0	e
61.9	magvir	56.5	w
		18.0	
		13.5	
		12.3	
64.0	myrcer	21.6	w
64.2	myrcer	16.0	w
64.4	myrcer	10.5	w
64.5	ulmame	24.9	e
64.9	sabpal	18.7	e
65.2	sabpal	22.4	w
66.2	quelau	27.4	e
66.5	acerub	12.7	e
66.5	sabpal	24.7	e
66.6	acerub	17.5	e
66.6	sabpal	24.3	e
67.8	sabpal	28.3	w
69.5	frapro	12.4	e
71.0	frapro	16.1	w
71.5	frapro	10.9	e
71.7	frapro	15.1	w
72.2	frapro	16.6	w
72.7	nysbif	10.9	w
72.9	frapro	14.1	w
73.9	frapro	10.7	e
		6.4	
		7.0	
77.1	nysbif	48.4	w
77.7	frapro	12.8	e
78.0	frapro	19.6	e
79.6	magvir	24.5	e
81.1	myrcer	10.5	e
81.6	myrcer	14.9	w
81.6	quelau	40.0	w
83.5	sabpal	23.9	e
83.9	sabpal	25.5	w
87.4	sabpal	30.4	e
88.1	myrcer	20.1	w
88.8	myrcer	10.0	w

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
89.3	sabpal	28.0	w
89.5	nysbif	10.1	e
90.5	acerub	11.2	w
90.5	magvir	18.3	w
		8.5	
91.0	perpal	15.3	w
91.0	sabpal	25.2	w
92.0	sabpal	18.0	w
92.3	frapro	15.8	e
93.5	<i>marker # 163</i>		
92.8	frapro	31.5	e
94.3	frapro	17.4	e
95.3	frapro	15.4	w
96.2	nysbif	10.8	e
96.9	magvir	11.6	e
97.0	magvir	10.4	e
97.5	frapro	11.8	e
98.3	frapro	11.0	w
98.8	frapro	14.4	e
98.9	magvir	10.1	e
99.8	magvir	12.6	e
99.8	magvir	23.3	w
		13.5	
100.1	nysbif	13.9	e
101.0	frapro	15.9	e
		4.9	
		4.5	
101.4	magvir	25.4	e
102.3	frapro	10.9	e
102.7	magvir	16.1	e
104.9	sabpal	24.0	w
105.2	sabpal	22.6	w
105.4	sabpal	21.4	w
107.3	frapro	22.4	e
107.3	frapro	12.4	e
107.8	sabpal	23.6	w
110.6	sabpal	26.4	w
111.2	frapro	24.5	e
		4.5	
111.4	ilecas	13.7	w
112.6	frapro	12.0	e
113.6	sabpal	26.4	w
113.7	frapro	9.9	e
		22.9	
114.9	frapro	11.0	e
115.1	frapro	10.5	e

K LK: The sampling width of this transect is 10 meters, 5 meters on either side of the transect line (Continued)

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
115.9	frapro	15.3	e
116.5	frapro	10.7	w
116.6	frapro	9.2	e
117.4	<i>marker # 164</i>		
118.6	taxdis	12.2	e
119.3	frapro	11.4	w
119.7	nysbif	10.4	e
120.6	nysbif	34.0	e
		9.0	
121.8	nysbif	11.7	e
122.0	nysbif	14.6	w
122.3	frapro	10.7	e
122.4	taxdis	44.7	e
123.4	nysbif	10.3	w
124.8	frapro	10.2	e
126.3	nysbif	13.5	e
130.7	taxdis	21.2	w
131.1	taxdis	14.9	w
133.3	taxdis	19.4	w
133.7	taxdis	24.3	w
133.8	taxdis	23.2	w
134.7	taxdis	34.6	e
135.5	frapro	15.4	w
139.8	taxdis	37.3	w
142.1	taxdis	36.0	w
143.2	taxdis	10.9	e
145.5	<i>marker # 165</i>		

L DM: The sampling area for this transect is 10 meters, 5 meters either side of the transect line

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
0.0	<i>marker # 166</i>		
2.6	nysbif	31.9	w
2.7	nysbif	28.0	w
2.8	taxdis	45.7	w
3.4	frapro	11.6	e
4.5	frapro	13.6	w
4.6	nysbif	22.1	e
4.7	magvir	13.3	e
4.8	frapro	10.3	e
5.3	nysbif	31.8	e
7.9	nysbif	13.0	w
8.5	snag	11.5	e
8.8	nysbif	23.4	w
8.9	nysbif	24.5	e
10.4	nysbif	28.2	w
10.6	magvir	19.7	e
10.7	frapro	29.6	e
11.0	magvir	18.2	e
11.4	taxdis	18.6	w
11.5	taxdis	14.0	w
11.6	magvir	13.1	e
12.1	magvir	18.8	e
13.1	frapro	18.0	e
13.1	frapro	8.3	e
13.1	snag	15.4	w
13.3	<i>marker # 167</i>		
14.8	frapro	11.0	w
15.2	magvir	12.3	e
16.2	nysbif	14.0	e
17.0	frapro	11.1	e
17.1	nysbif	14.7	e
17.4	frapro	13.0	w
17.5	nysbif	38.3	w
18.6	nysbif	29.8	e
19.9	frapro	14.4	w
20.7	frapro	12.1	e
20.8	nysbif	34.2	w
21.2	nysbif	29.4	e
21.4	frapro	12.2	w
22.1	nysbif	27.7	e
22.7	frapro	10.8	w
22.7	frapro	4.9	w
23.8	frapro	12.5	w
24.0	frapro	13.2	e
26.4	nysbif	31.4	e
26.8	frapro	11.0	w
26.8	nysbif	27.5	w
26.8	nysbif	31.1	w
26.9	nysbif	23.0	e
		7.7	

Distance from beginning of transect, in m	Tree species	Dbh, in cm	Side
28.5	frapro	13.7	e
29.5	nysbif	39.4	e
29.9	nysbif	15.2	w
30.4	nysbif	25.2	w
31.3	<i>marker # 168</i>		
31.6	nysbif	15.9	w
32.2	nysbif	26.3	e
32.8	nysbif	42.4	w
33.8	frapro	10.5	w
33.9	magvir	11.8	e
35.0	nysbif	40.2	w
36.4	frapro	12.6	w
36.4	frapro	7.6	w
37.0	nysbif	40.0	e
37.0	taxdis	45.7	e
37.1	frapro	18.5	w
39.6	frapro	12.0	e
39.6	frapro	12.1	w
40.3	frapro	14.3	e
41.2	magvir	12.5	w
42.1	frapro	10.3	e
42.6	frapro	19.0	w
43.5	frapro	11.6	e
43.8	frapro	10.1	e
		13.0	
43.9	frapro	14.4	w
44.1	magvir	11.4	w
44.3	frapro	12.5	w
45.1	frapro	11.6	w
45.5	frapro	10.8	e
45.9	frapro	11.6	w
46.0	frapro	11.6	e
46.6	frapro	10.4	e
		8.2	
47.7	frapro	15.0	e
47.7	frapro	14.2	w
48.3	frapro	15.4	w
48.6	frapro	12.7	w
48.8	frapro	11.9	e
49.5	magvir	13.8	w
49.8	frapro	22.2	w
51.0	magvir	10.2	w
51.4	nysbif	14.7	e
51.4	nysbif	15.9	w
51.7	frapro	18.4	w
52.8	frapro	10.1	w
53.1	nysbif	49.4	e
53.2	<i>marker # 169</i>		

Appendix 2. Conversion tables for determining the permanent marker numbers of all previous stake numbers recorded in original U.S. Geological Survey field notes

CONFLUENCE		LOG LANDING		FALKENBURRY	
Stake number in original field notes	Permanent marker number	Stake number in original field notes	Permanent marker number	Stake number in original field notes	Permanent marker number
<i>West segment</i>		1	22	<i>East segment</i>	
1	1	2	23	1	52
2	2	3	24	2	53
3	3	4	25	3	54
4	4	5	26	4	55
5	5	6	27	5	56
6	6	7	28	6	57
7	7	8	29	7	58
<i>East segment</i>		9	30	<i>West segment</i>	
1	8	10	31	8	59
2	9	11	32	7	60
3	10	12	33	6	61
4	11	13	34	5	62
5	12	14	35	4	63
6	13	15	36	3	64
7	14	16	37	2	65
8	15	17	38	1	66
9	16	18a	39		
10	17	18b	40		
11	18	19	41		
12	19	20	42		
13	20	21	43		
14	21	22	44		
		23	45		
		24	46		
		25	47		
		26	48		
		27	49		
		28	50		
		29	51		

Appendix 2. Conversion tables for determining the permanent marker numbers of all previous stake numbers recorded in original U.S. Geological Survey field notes (Continued)

MANATEE SPRINGS		KEEN		TURKEY ISLAND	
Stake number in original field notes	Permanent marker number	Stake number in original field notes	Permanent marker number	Stake number in original field notes	Permanent marker number
1 new	67	1	95	1	126
2 new	68	2	96	2	127
3 new	69	3	97	3	128
4 new	70	4	98	4	129
5 new	71	5	99	5	130
6 new	72	6	100	6	131
7 new	73	7	101	7	132
8 new	74	8	102	8	133
9 new	75	9	103	9	134
10 new	76	10	104	10	135
11 new	77	11	105	11	136
12	78	12	106	12	137
13	79	13	107	13	138
14	80	14	108	14	139
16	81	15	109	15	140
17	82	16	110		
11	83	17	111		
10	84	18	112		
9	85	19	113		
8	86	20	114		
7	87	21	115		
6	88	22	116		
5	89	23	117		
4	90	24	118		
3	91	25	119		
2	92	26	120		
1	93	27	121		
0	94				

KEEN ISLAND

Stake number in original field notes	Permanent marker number
A	122
B	123
C	124
D	125

Appendix 2. Conversion tables for determining the permanent marker numbers of all previous stake numbers recorded in original U.S. Geological Survey field notes (Continued)

SANDFLY NORTH

Stake number in original field notes	Permanent marker number
1	141
2	142
3	143
4	144
5	145

SANDFLY HAMMOCK

Stake number in original field notes	Permanent marker number
1	146
2	147
3	148
4	149
5	150
6	151

BARNETT CREEK

Stake number in original field notes	Permanent marker number
1	152
2	153
3	154
4	155
5	156
6	157
7	158
8	159

LOCK CREEK

Stake number in original field notes	Permanent marker number
1	160
2	161
3	162
4	163
5	164
6	165

DEMORY CREEK

Stake number in original field notes	Permanent marker number
1	166
2	167
3	168
4	169