Habitat Data Associated with Forest Breeding Bird Point Counts

Location Data:

Date: 6-4-09	**Crew:** Dawn Brumley & John Simpson			
Location: SC-155	**Unit:** St. Cat	**Stand:** Hiking Trail	**Line#:**	**Plot#:** 155
Treatment: Reforestation		**Year Treatment Implemented:**		
GPS Coordinates for the Plot:	065 0025- 3468818			

Plot-level Data: ***visible area around plot***

Vines	Cane	Overstory (>30ft)	Mid-Story (10-30ft)	Understory (<10ft)
1 = None	*1 = None*	*1 = None*	*1 = None*	*1 = None*
2 = Sparse (<25%)	*2 = Sparse (<25%)*	*2 = Sparse (<50%)*	*2 = Sparse (<25%)*	*2 = Sparse (<25%)*
3 = Moderate (25-50%)	*3 = Moderate (25-50%)*	*3 = Moderate (50-80%)*	*3 = Moderate (25-60%)*	*3 = Moderate (25-60%)*
4 = Heavy (>50%)	*4 = Heavy (>50%)*	*4 = Heavy (>80%)*	*4 = Heavy (>60%)*	*4 = Heavy (>60%)*

Tree Data: ***plotless area using 10-factor prism[1]***

Tree Species Codes	Tree Species	Basal Area[2] Number Stems (dbh 4 - 9.5")	Number Stems (dbh 10 - 20")	Number Stems (dbh > 20")
QUNU = Nuttall Oak	CAIL	1		
QUNI = Water Oak	GLTR	1		
QUPH = Willow Oak				
QULY = Overcup Oak				
QUPA = Cherrybark Oak				
QUSH = Shumard Oak				
CAIL = Sweet Pecan				
CAAQ = Bitter Pecan				
TADI = Cypress				
NYAQ = Tupelo				
ULAM = American Elm				
ULCR = Cedar Elm				
DIVI = Persimmon				
PLOC = Sycamore				
PODE = Cottonwood				
LIST = Sweetgum				
ACNE = Boxelder				
ACRU = Red Maple				
CELA = Sugarberry				
FRPE = Green Ash				
GLAQ = Water Locust				
GLTR = Honey Locust				

1. *Basal Area determined using a 10-factor prism or equivalent.*
2. *Total tally times 10 for a 10-factor prism (example: 3 trees x 10 = 30ft^2 of basal area).*

Comments:

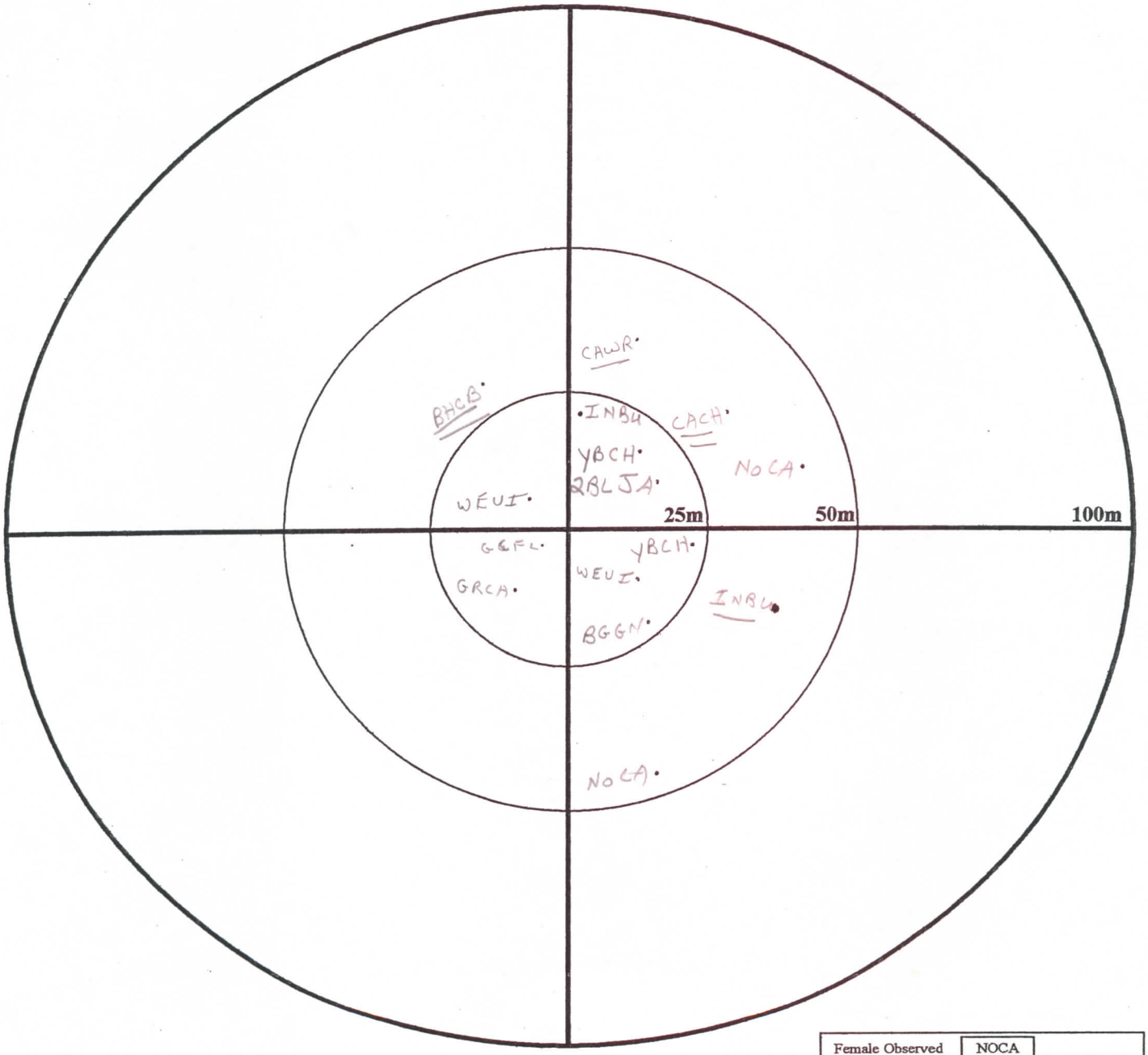
Start: End:

Point Count Field Sheet

State	Station	Unit	Compartment	Stand	Point #	Date	Observer	Time
MS	St. Cat	Magnolia Hiking Trail		SC	155	6/4/09	N+J	7:24

Temp °C	Wind	Sky	Habitat	Cover Type	Management Rx	Year of Harvest
65°	0-5	cldy	Reforestation			UNKN

North



Female Observed	NOCA
Male Observed	NOCA
Pair Together, assumed mated	NOCA
Observed, sex unknown	NOCA 0-3 minutes
	NOCA 4-5 minutes
	NOCA 6-10 minutes

N-S Coordinate:_____ **E-W Coordinate:**_____ **Zone*:**_____

(N-S=Latitude; E-W=Longitude) *Zone = 0 for lat-long (geographic); else enter a UTM Zone.

Birds Observed >100 - ≤150m:_____

Flyovers:_____

Comments:_____

-- LMVJV April 2006 --

Habitat Data Associated with Forest Breeding Bird Point Counts

Location Data:

Date: 6-4-09	**Crew:** Dawn & John			
Location: SC-156	**Unit:** Sl Cat	**Stand:**	**Line#:**	**Plot#:** 156
Treatment: mixed pine/hardwood		**Year Treatment Implemented:**		
GPS Coordinates for the Plot:	0650290- 3468786			

Plot-level Data: ***visible area around plot***

Vines	Cane	Overstory (>30ft)	Mid-Story (10-30ft)	Understory (<10ft)
1 = None	*1 = None*	*1 = None*	*1 = None*	*1 = None*
2 = Sparse (<25%)	*2= Sparse (<25%)*	*2 = Sparse (<50%)*	*2 = Sparse (<25%)*	*2 = Sparse (<25%)*
3 = Moderate (25-50%)	*3 = Moderate (25-50%)*	*3 = Moderate (50-80%)*	*3 = Moderate (25-60%)*	*3 = Moderate (25-60%)*
4 = Heavy (>50%)	*4 = Heavy (>50%)*	*4 = Heavy (>80%)*	*4 = Heavy (>60%)*	*4 = Heavy (>60%)*

Tree Data: ***plotless area using 10-factor prism[1]***

Tree Species Codes	Tree Species	Basal Area[2] Number Stems (dbh 4 - 9.5")	Number Stems (dbh 10 - 20")	Number Stems (dbh > 20")
QUNU = Nuttall Oak	PITA	III	I	
QUNI = Water Oak	QUNI		III	
QUPH = Willow Oak				
QULY = Overcup Oak	QUPA	I	I	
QUPA = Cherrybark Oak	LIST		II	
QUSH = Shumard Oak				
CAIL = Sweet Pecan				
CAAQ = Bitter Pecan				
TADI = Cypress				
NYAQ = Tupelo				
ULAM = American Elm				
ULCR = Cedar Elm				
DIVI = Persimmon				
PLOC = Sycamore				
PODE = Cottonwood				
LIST = Sweetgum				
ACNE = Boxelder				
ACRU = Red Maple				
CELA = Sugarberry				
FRPE = Green Ash				
GLAQ = Water Locust				
GLTR = Honey Locust				

1. *Basal Area determined using a 10-factor prism or equivalent.*
2. *Total tally times 10 for a 10-factor prism (example: 3 trees x 10 = 30ft^2 of basal area).*

Comments:

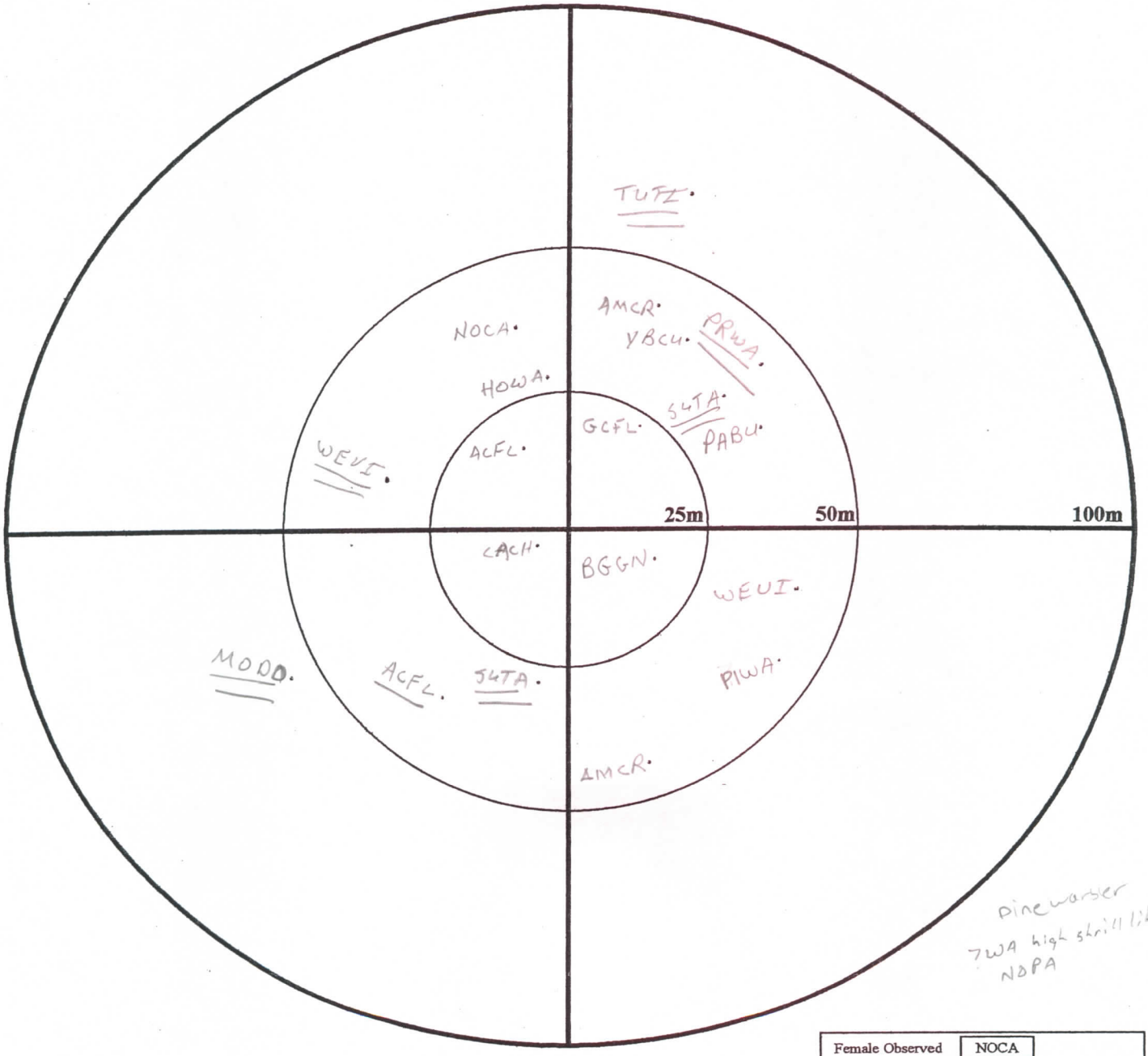
Start: End:

Point Count Field Sheet

State	Station	Unit	Compartment	Stand	Point #	Date	Observer	Time
MS	St. Cat	Magnolia	Hiking Trail		156	6/4/09	D?J	7:48

Temp °C	Wind	Sky	Habitat	Cover Type	Management Rx	Year of Harvest
65	5-10	cldy		Mixed Pine HWD		UNKN

North



pine warbler
TWA high shrill like
NOPA

Female Observed	NOCA	
Male Observed	NOCA	
Pair Together, assumed mated	NOCA	
Observed, sex unknown	NOCA	0-3 minutes
	NOCA	4-5 minutes
	NOCA	6-10 minutes

N-S Coordinate:_____ **E-W Coordinate:**_____ **Zone*:**_____

(N-S=Latitude; E-W=Longitude) *Zone = 0 for lat-long (geographic); else enter a UTM Zone.

Birds Observed >100 - ≤150m:_____

Flyovers:_____

Comments:_____

-- LMVJV April 2006 --

Habitat Data Associated with Forest Breeding Bird Point Counts

Location Data:

Date: 6-4-09	**Crew:** Dawn & John			
Location: SC-162	**Unit:** St. Cat	**Stand:**	**Line#:**	**Plot#:** 162
Treatment: Mixed Pine/Hardwood	**Year Treatment Implemented:**			
GPS Coordinates for the Plot:	0650281 - 3468562			

Plot-level Data: ***visible area around plot***

Vines	Cane	Overstory (>30ft)	Mid-Story (10-30ft)	Understory (<10ft)
1 = None	*1 = None*	*1 = None*	*1 = None*	*1 = None*
2 = Sparse (<25%)	*2 = Sparse (<25%)*	*2 = Sparse (<50%)*	*2 = Sparse (<25%)*	*2 = Sparse (<25%)*
3 = Moderate (25-50%)	*3 = Moderate (25-50%)*	*3 = Moderate (50-80%)*	*3 = Moderate (25-60%)*	*3 = Moderate (25-60%)*
4 = Heavy (>50%)	*4 = Heavy (>50%)*	*4 = Heavy (>80%)*	*4 = Heavy (>60%)*	*4 = Heavy (>60%)*

Tree Data: ***plotless area using 10-factor prism[1]***

Tree Species Codes	Tree Species	Basal Area[2] Number Stems (dbh 4 - 9.5")	Number Stems (dbh 10 - 20")	Number Stems (dbh > 20")
QUNU = Nuttall Oak	QUNI		IIII	
QUNI = Water Oak	POCE			I
QUPH = Willow Oak	QUPA	II		
QULY = Overcup Oak				
QUPA = Cherrybark Oak				
QUSH = Shumard Oak				
CAIL = Sweet Pecan				
CAAQ = Bitter Pecan				
TADI = Cypress				
NYAQ = Tupelo				
ULAM = American Elm				
ULCR = Cedar Elm				
DIVI = Persimmon				
PLOC = Sycamore				
PODE = Cottonwood				
LIST = Sweetgum				
ACNE = Boxelder				
ACRU = Red Maple				
CELA = Sugarberry				
FRPE = Green Ash				
GLAQ = Water Locust				
GLTR = Honey Locust				

1. *Basal Area determined using a 10-factor prism or equivalent.*
2. *Total tally times 10 for a 10-factor prism (example: 3 trees x 10 = 30ft^2 of basal area).*

Comments:

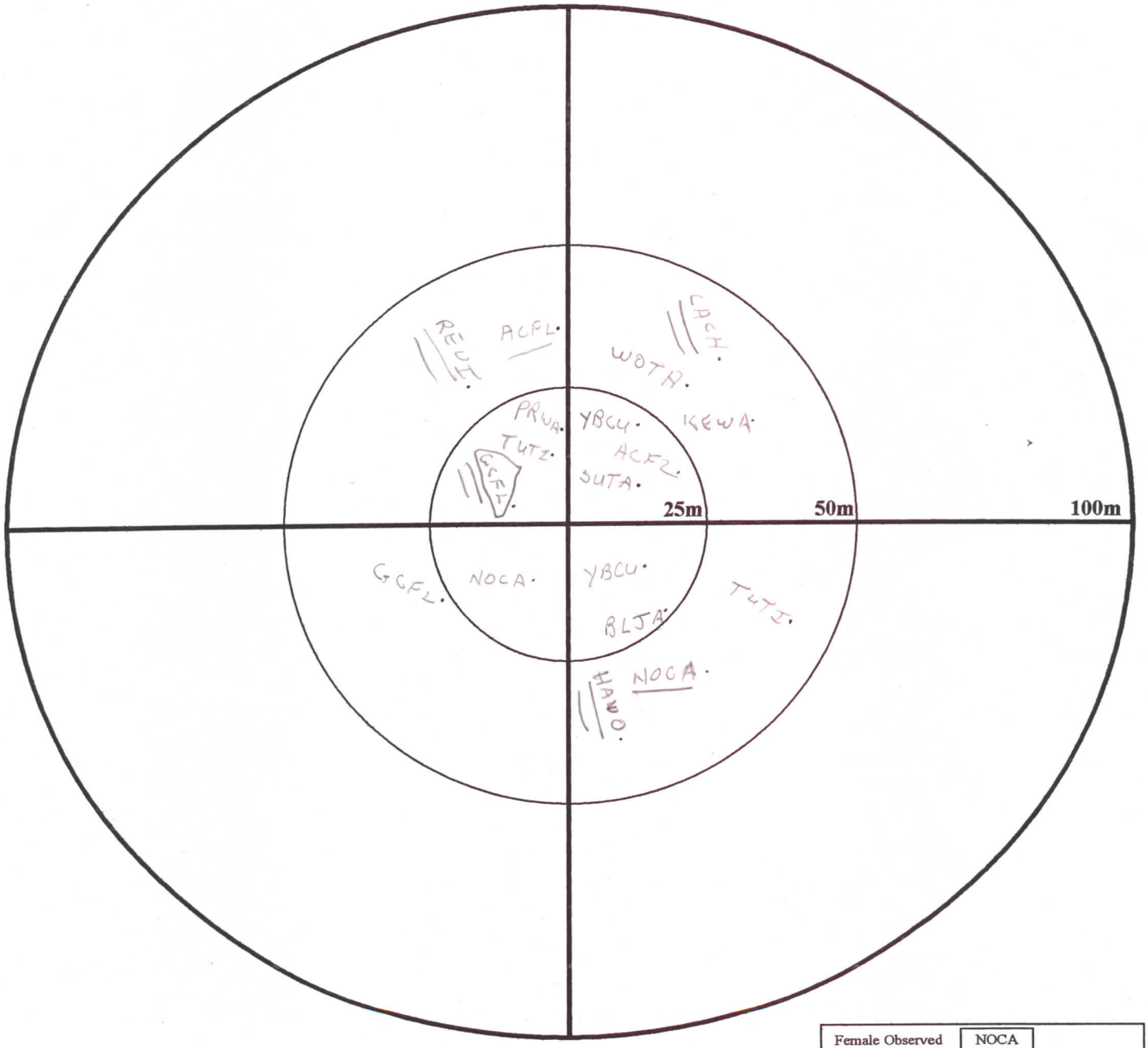
Start: End:

Point Count Field Sheet

State	Station	Unit	Compartment	Stand	Point #	Date	Observer	Time
MS	St Cat	Magnolia	Trail		162	6/4/09	D+J	8:15

Temp °C	Wind	Sky	Habitat	Cover Type	Management Rx	Year of Harvest
65	5-10	CLOV	Mixed P+H			UNKN

North



Female Observed	NOCA	
Male Observed	NOCA	
Pair Together, assumed mated	NOCA	
Observed, sex unknown	NOCA	0-3 minutes
	NOCA	4-5 minutes
	NOCA	6-10 minutes

N-S Coordinate:_____ **E-W Coordinate:**_____ **Zone*:**_____

(N-S=Latitude; E-W=Longitude) *Zone = 0 for lat-long (geographic); else enter a UTM Zone.

Birds Observed >100 - ≤150m:_____

Flyovers:_____

Comments:_____

-- LMVJV April 2006 --

Habitat Data Associated with Forest Breeding Bird Point Counts

Location Data:

Date: 6-4-09	**Crew:** Dawn and John			
Location: SC-164	**Unit:** St. Cat	**Stand:**	**Line#:**	**Plot#:** 164
Treatment:		**Year Treatment Implemented:**		
GPS Coordinates for the Plot:	0605 0031 - 3468309			

Plot-level Data: ***visible area around plot***

Vines	Cane	Overstory (>30ft)	Mid-Story (10-30ft)	Understory (<10ft)
1 = None	*1 = None*	*1 = None*	*1 = None*	*1 = None*
2 = Sparse (<25%)	*2= Sparse (<25%)*	*2 = Sparse (<50%)*	*2 = Sparse (<25%)*	*2 = Sparse (<25%)*
3 = Moderate (25-50%)	*3 = Moderate (25-50%)*	*3 = Moderate (50-80%)*	*3 = Moderate (25-60%)*	*3 = Moderate (25-60%)*
4 = Heavy (>50%)	*4 = Heavy (>50%)*	*4 = Heavy (>80%)*	*4 = Heavy (>60%)*	*4 = Heavy (>60%)*

Tree Data: ***plotless area using 10-factor prism[1]***

Tree Species Codes	Tree Species	Basal Area[2] Number Stems (dbh 4 - 9.5")	Number Stems (dbh 10 - 20")	Number Stems (dbh > 20")
QUNU = Nuttall Oak	HICKORY	1		
QUNI = Water Oak	LIST	~~HH~~	~~HH~~ 1	
QUPH = Willow Oak	Yellow Poplar	1	1	
QULY = Overcup Oak	QUNI			1
QUPA = Cherrybark Oak	QUPA			1
QUSH = Shumard Oak				
CAIL = Sweet Pecan				
CAAQ = Bitter Pecan				
TADI = Cypress				
NYAQ = Tupelo				
ULAM = American Elm				
ULCR = Cedar Elm				
DIVI = Persimmon				
PLOC = Sycamore				
PODE = Cottonwood				
LIST = Sweetgum				
ACNE = Boxelder				
ACRU = Red Maple				
CELA = Sugarberry				
FRPE = Green Ash				
GLAQ = Water Locust				
GLTR = Honey Locust				

1. *Basal Area determined using a 10-factor prism or equivalent.*
2. *Total tally times 10 for a 10-factor prism (example: 3 trees x 10 = 30ft^2 of basal area).*

Comments:

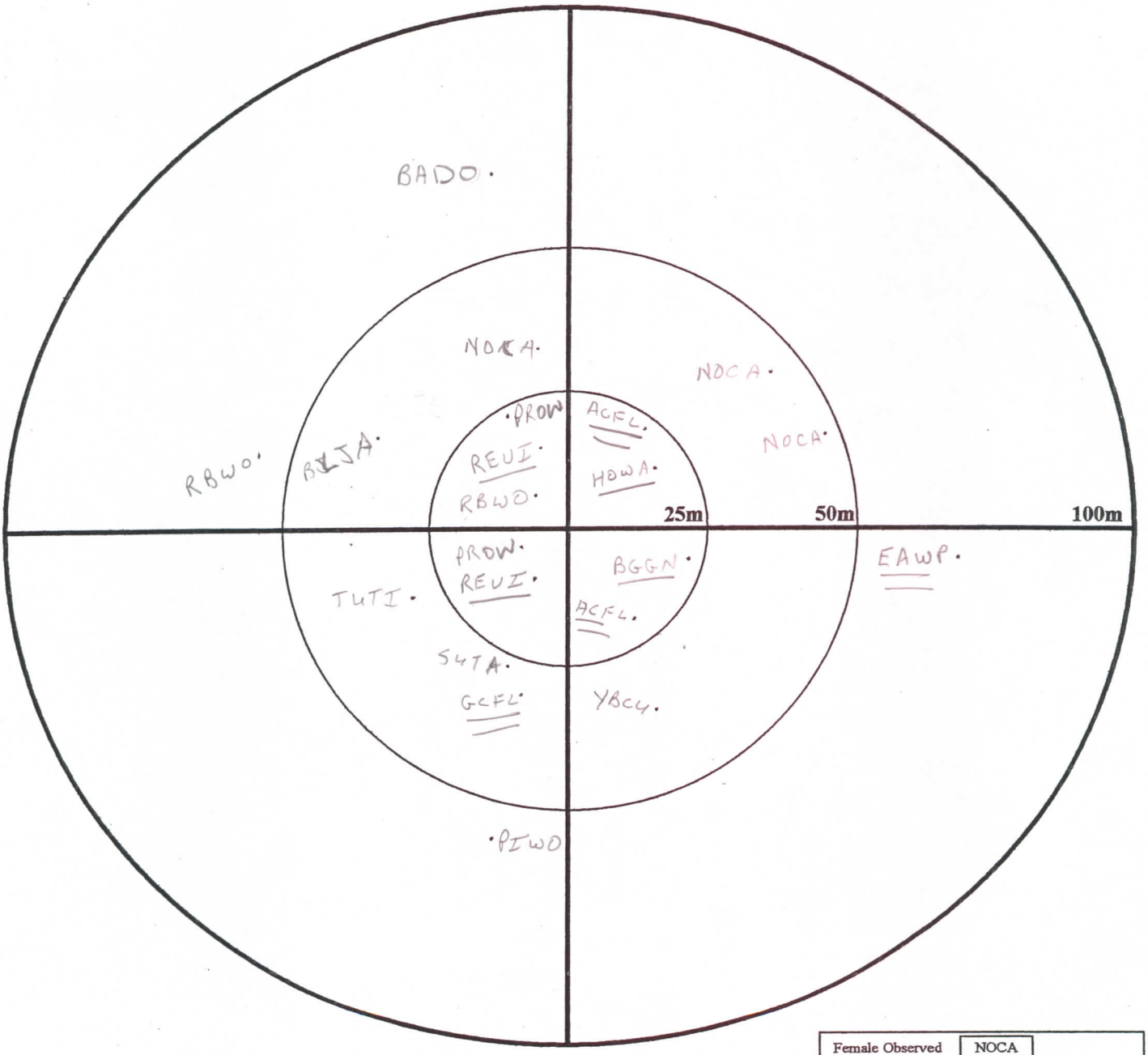
Start: End:

Point Count Field Sheet

State	Station	Unit	Compartment	Stand	Point #	Date	Observer	Time
MS	St. Cat	Mag. Trail			164	6/4/09	D+J	8:39

Temp °C	Wind	Sky	Habitat	Cover Type	Management Rx	Year of Harvest
65	5-10	Cldy	Bluff	92		UNKN

North



Female Observed	NOCA	
Male Observed	NOCA	
Pair Together, assumed mated	NOCA	
Observed, sex unknown	NOCA	0-3 minutes
	NOCA	4-5 minutes
	NOCA	6-10 minutes

N-S Coordinate:_____ **E-W Coordinate:**_____ **Zone*:**_____

(N-S=Latitude; E-W=Longitude) *Zone = 0 for lat-long (geographic); else enter a UTM Zone.

Birds Observed >100 - ≤150m:_____

Flyovers:_____

Comments:_____

-- LMVJV April 2006 --

Habitat Data Associated with Forest Breeding Bird Point Counts

Location Data:

Date: 6-4-09	**Crew:** Dawn & John			
Location: SC-166	**Unit:** St. Cat	**Stand:**	**Line#:**	**Plot#:** 166
Treatment:		**Year Treatment Implemented:**		
GPS Coordinates for the Plot:	DPS 0036 - 3468056			

Plot-level Data: ***visible area around plot***

Vines	Cane	Overstory (>30ft)	Mid-Story (10-30ft)	Understory (<10ft)
1 = None	*1 = None*	*1 = None*	*1 = None*	*1 = None*
2 = Sparse (<25%)	*2 = Sparse (<25%)*	*2 = Sparse (<50%)*	*2 = Sparse (<25%)*	*2 = Sparse (<25%)*
3 = Moderate (25-50%)	*3 = Moderate (25-50%)*	*3 = Moderate (50-80%)*	*3 = Moderate (25-60%)*	*3 = Moderate (25-60%)*
4 = Heavy (>50%)	*4 = Heavy (>50%)*	*4 = Heavy (>80%)*	*4 = Heavy (>60%)*	*4 = Heavy (>60%)*

Tree Data: ***plotless area using 10-factor prism[1]***

Tree Species Codes	Tree Species	Basal Area[2] Number Stems (dbh 4 - 9.5")	Number Stems (dbh 10 - 20")	Number Stems (dbh > 20")
QUNU = Nuttall Oak	QUPA		III	I
QUNI = Water Oak	QUNI	I	I	I
QUPH = Willow Oak	ULAM	I		
QULY = Overcup Oak	LIST		I	
QUPA = Cherrybark Oak	ERCE		I	
QUSH = Shumard Oak				
CAIL = Sweet Pecan				
CAAQ = Bitter Pecan				
TADI = Cypress				
NYAQ = Tupelo				
ULAM = American Elm				
ULCR = Cedar Elm				
DIVI = Persimmon				
PLOC = Sycamore				
PODE = Cottonwood				
LIST = Sweetgum				
ACNE = Boxelder				
ACRU = Red Maple				
CELA = Sugarberry				
FRPE = Green Ash				
GLAQ = Water Locust				
GLTR = Honey Locust				

1. *Basal Area determined using a 10-factor prism or equivalent.*
2. *Total tally times 10 for a 10-factor prism (example: 3 trees x 10 = 30ft^2 of basal area).*

Comments:

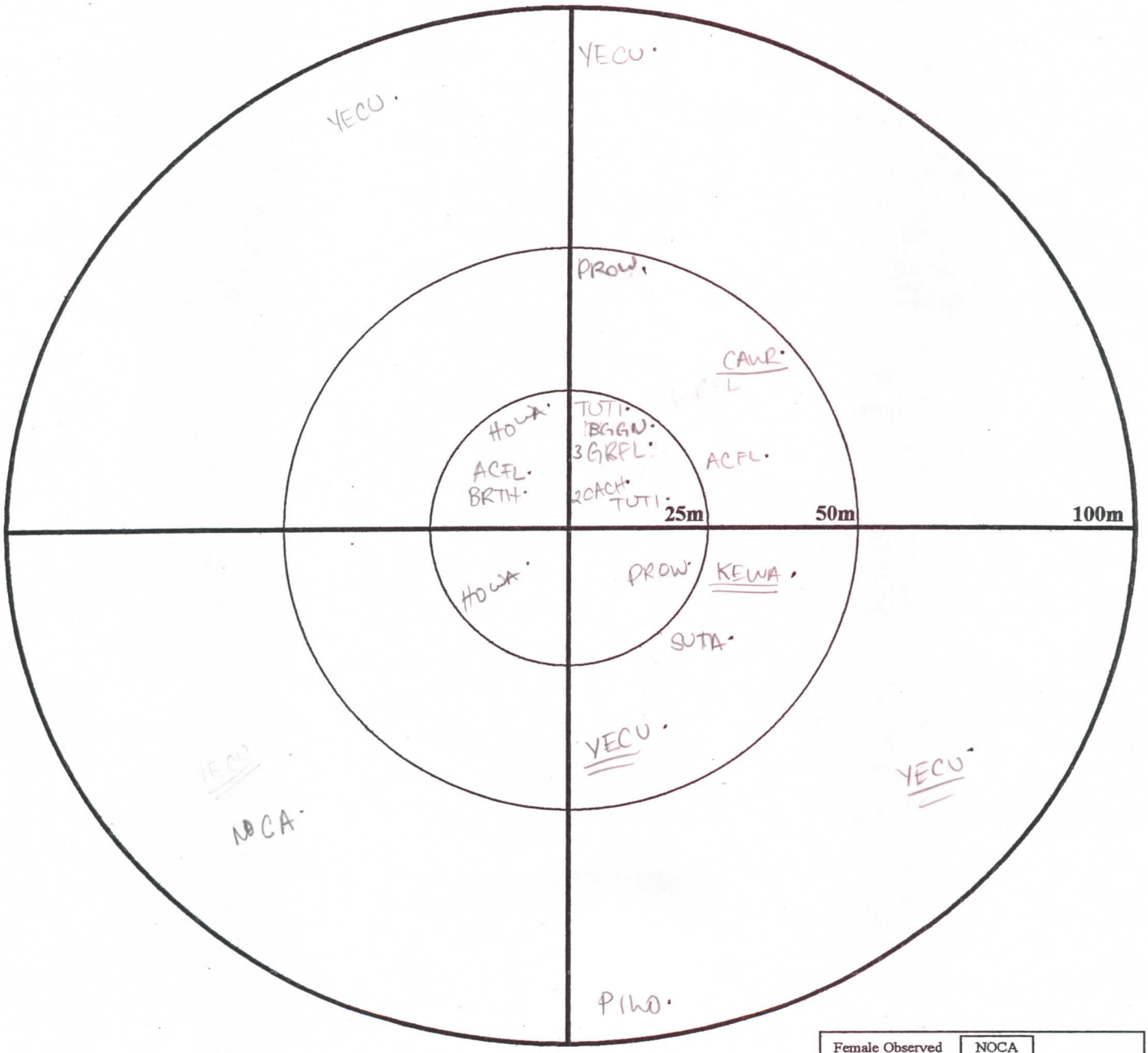
Start: End:

Point Count Field Sheet

State	Station	Unit	Compartment	Stand	Point #	Date	Observer	Time
MS	St. Cat		Magnolia Trail			6-4-09	DJ	9:00-9:10

Temp °C	Wind	Sky	Habitat	Cover Type	Management Rx	Year of Harvest
65	5-10	Cloudy				UNKN

North



Female Observed	NOCA	
Male Observed	NOCA	
Pair Together, assumed mated	NOCA	
Observed, sex unknown	NOCA	0-3 minutes
	NOCA	4-5 minutes
	NOCA	6-10 minutes

N-S Coordinate:_____ **E-W Coordinate:**_____ **Zone*:**_____

(N-S=Latitude; E-W=Longitude) *Zone = 0 for lat-long (geographic); else enter a UTM Zone.

Birds Observed >100 - ≤150m:_____

Flyovers: TUVU

Comments: Heard E. Towhee on the way out

-- LMVJV April 2006 --

Habitat Data Associated with Forest Breeding Bird Point Counts

Location Data:

Date: 6.4.09	**Crew:** Dawn : John			
Location: SC-167	**Unit:** St. Cat	**Stand:**	**Line#:**	**Plot#:** 167
Treatment:		**Year Treatment Implemented:**		
GPS Coordinates for the Plot:	0450286 -3468057			

Plot-level Data: *visible area around plot*

Vines	Cane	Overstory (>30ft)	Mid-Story (10-30ft)	Understory (<10ft)
1 = None	*1 = None*	*1 = None*	*1 = None*	*1 = None*
2 = Sparse (<25%)	*2 = Sparse (<25%)*	*2 = Sparse (<50%)*	*2 = Sparse (<25%)*	*2 = Sparse (<25%)*
3 = Moderate (25-50%)	*3 = Moderate (25-50%)*	*3 = Moderate (50-80%)*	*3 = Moderate (25-60%)*	*3 = Moderate (25-60%)*
4 = Heavy (>50%)	*4 = Heavy (>50%)*	*4 = Heavy (>80%)*	*4 = Heavy (>60%)*	*4 = Heavy (>60%)*

Tree Data: *plotless area using 10-factor prism*[1]

Tree Species Codes	Tree Species	Basal Area[2] Number Stems (dbh 4 - 9.5")	Number Stems (dbh 10 - 20")	Number Stems (dbh > 20")
QUNU = Nuttall Oak	CAIL		III	
QUNI = Water Oak	LIST		I	
QUPH = Willow Oak	Bl. Locust	IIII		
QULY = Overcup Oak	QUNI			I
QUPA = Cherrybark Oak	MORU	I		
QUSH = Shumard Oak	ULAM	I		
CAIL = Sweet Pecan				
CAAQ = Bitter Pecan				
TADI = Cypress				
NYAQ = Tupelo				
ULAM = American Elm				
ULCR = Cedar Elm				
DIVI = Persimmon				
PLOC = Sycamore				
PODE = Cottonwood				
LIST = Sweetgum				
ACNE = Boxelder				
ACRU = Red Maple				
CELA = Sugarberry				
FRPE = Green Ash				
GLAQ = Water Locust				
GLTR = Honey Locust				

1. *Basal Area determined using a 10-factor prism or equivalent.*
2. *Total tally times 10 for a 10-factor prism (example: 3 trees x 10 = 30ft^2 of basal area).*

Comments:

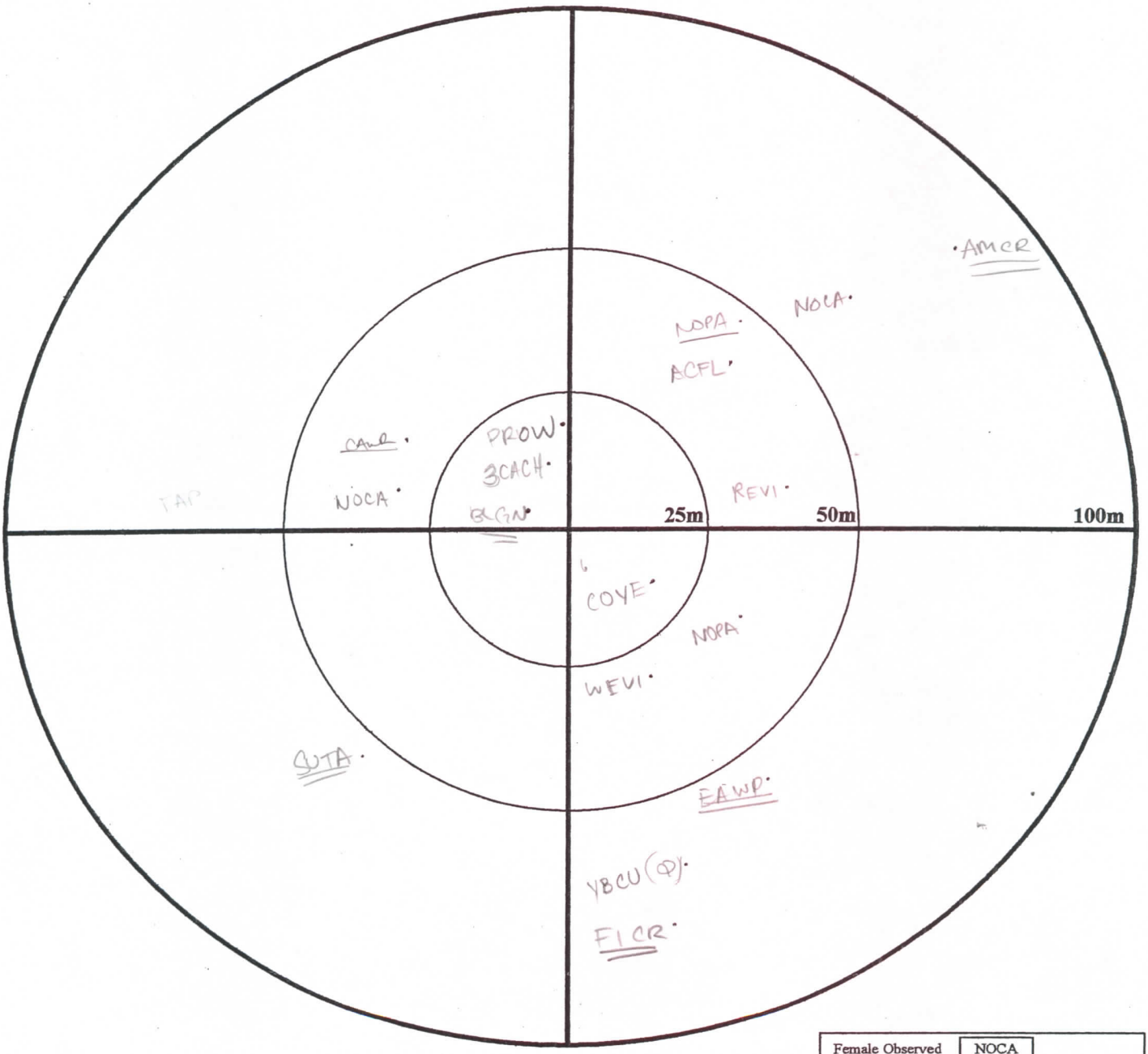
Start: End:

Point Count Field Sheet

State	Station	Unit	Compartment	Stand	Point #	Date	Observer	Time
MS	St. Cat	Mag. Trail			1v7	6-4-07	D.T	9:25-9:3

Temp °C	Wind	Sky	Habitat	Cover Type	Management Rx	Year of Harvest
65-70°	S-10	Cloudy				UNKN

North



BWHA

N-S Coordinate:_____ E-W Coordinate:_____ Zone*:_____

(N-S=Latitude; E-W=Longitude) *Zone = 0 for lat-long (geographic); else enter a UTM Zone.

Birds Observed >100 - ≤150m:_____

Flyovers: TUVU

Comments:_____

Female Observed	NOCA	
Male Observed	NOCA	
Pair Together, assumed mated	NOCA	
Observed, sex unknown	NOCA	0-3 minutes
	NOCA	4-5 minutes
	NOCA	6-10 minutes

-- LMVJV April 2006 --

Habitat Data Associated with Forest Breeding Bird Point Counts

Location Data:

Date: 6-8-09	**Crew:** D.J.			
Location: 8C - 122	**Unit:** Stat	**Stand:**	**Line#:**	**Plot#:** 122
Treatment:		**Year Treatment Implemented:**		
GPS Coordinates for the Plot:	0650303 - 3470048			

Plot-level Data: *visible area around plot*

Vines	Cane	Overstory (>30ft)	Mid-Story (10-30ft)	Understory (<10ft)
1 = None *2 = Sparse (<25%)* *3 = Moderate (25-50%)* *4 = Heavy (>50%)*	*1 = None* *2 = Sparse (<25%)* *3 = Moderate (25-50%)* *4 = Heavy (>50%)*	*1 = None* *2 = Sparse (<50%)* *3 = Moderate (50-80%)* *4 = Heavy (>80%)*	*1 = None* *2 = Sparse (<25%)* *3 = Moderate (25-60%)* *4 = Heavy (>60%)*	*1 = None* *2 = Sparse (<25%)* *3 = Moderate (25-60%)* *4 = Heavy (>60%)*

Tree Data: *plotless area using 10-factor prism*[1]

Tree Species Codes	Tree Species	Basal Area[2] Number Stems (dbh 4 - 9.5")	Number Stems (dbh 10 - 20")	Number Stems (dbh > 20")
QUNU = Nuttall Oak	QUPA	~~IIII~~ I	IIII	
QUNI = Water Oak	PITA		II	
QUPH = Willow Oak	QUNI		I	
QULY = Overcup Oak				
QUPA = Cherrybark Oak				
QUSH = Shumard Oak				
CAIL = Sweet Pecan				
CAAQ = Bitter Pecan				
TADI = Cypress				
NYAQ = Tupelo				
ULAM = American Elm				
ULCR = Cedar Elm				
DIVI = Persimmon				
PLOC = Sycamore				
PODE = Cottonwood				
LIST = Sweetgum				
ACNE = Boxelder				
ACRU = Red Maple				
CELA = Sugarberry				
FRPE = Green Ash				
GLAQ = Water Locust				
GLTR = Honey Locust				

1. *Basal Area determined using a 10-factor prism or equivalent.*
2. *Total tally times 10 for a 10-factor prism (example: 3 trees x 10 = 30ft^2 of basal area).*

Comments:

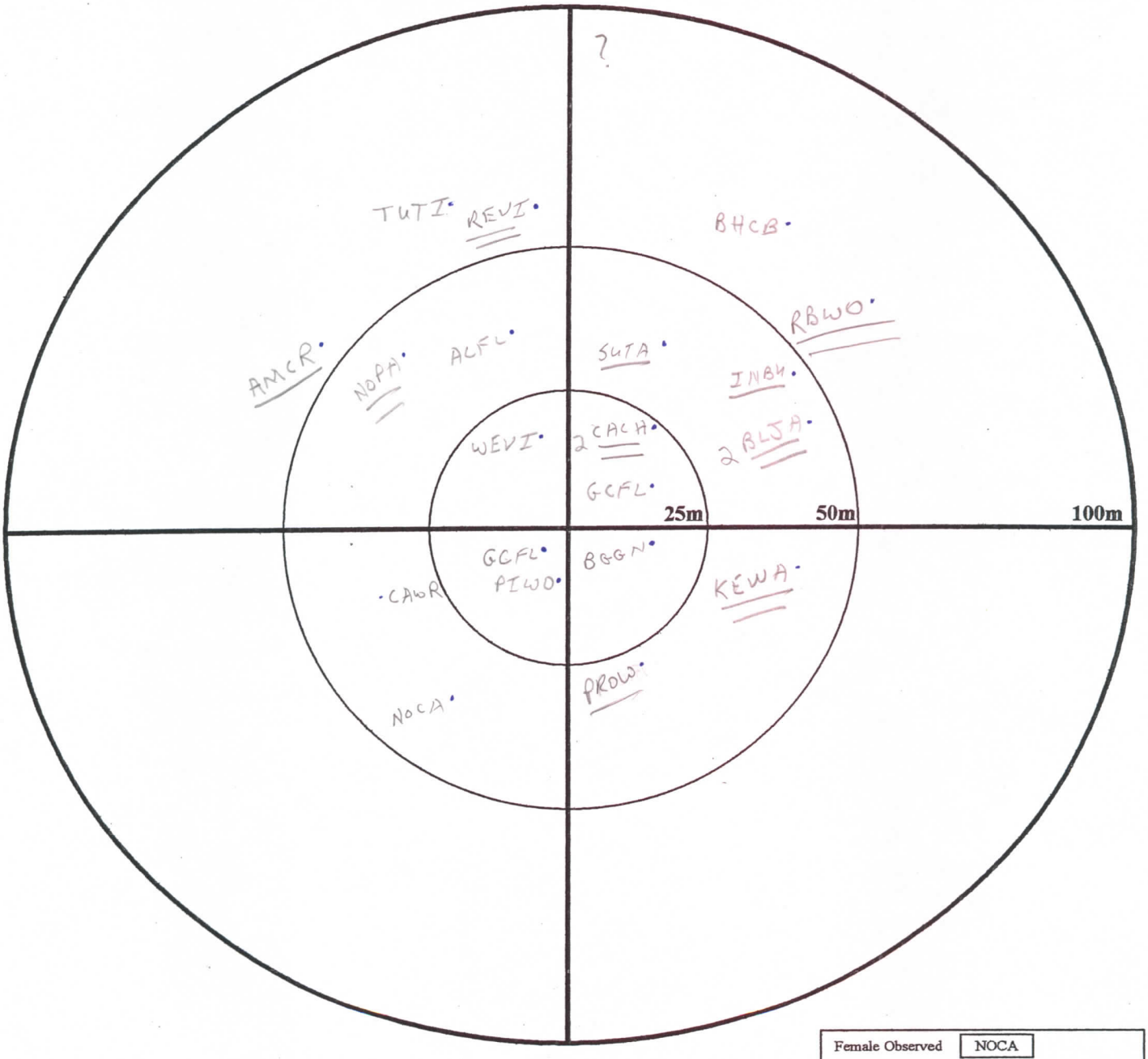
Start: End:

Point Count Field Sheet

State	Station	Unit	Compartment	Stand	Point #	Date	Observer	Time
MS	Stolat	Sunt	122		122	6-5-09	DJ	7:06

Temp °C	Wind	Sky	Habitat	Cover Type	Management Rx	Year of Harvest
65°	0-5	clear				

North



Female Observed	NOCA	
Male Observed	NOCA	
Pair Together, assumed mated	NOCA	
Observed, sex unknown	NOCA	0-3 minutes
	NOCA	4-5 minutes
	NOCA	6-10 minutes

N-S Coordinate:_____ **E-W Coordinate:**_____ **Zone*:**_____

(N-S=Latitude; E-W=Longitude) *Zone = 0 for lat-long (geographic); else enter a UTM Zone.

Birds Observed >100 - ≤150m:_____

Flyovers:_____

Comments: ? Unknown note

-- LMVJV April 2006 --

Habitat Data Associated with Forest Breeding Bird Point Counts

Location Data:

Date: 6-5-09	**Crew:** DJ			
Location: SC-123	**Unit:** St. Cat	**Stand:**	**Line#:**	**Plot#:** 123
Treatment:		**Year Treatment Implemented:**		
GPS Coordinates for the Plot:	0165 0514 -3470 0604			

Plot-level Data: ***visible area around plot***

Vines	Cane	Overstory (>30ft)	Mid-Story (10-30ft)	Understory (<10ft)
1 = None	*1 = None*	*1 = None*	*1 = None*	*1 = None*
2 = Sparse (<25%)	*2 = Sparse (<25%)*	*2 = Sparse (<50%)*	*2 = Sparse (<25%)*	*2 = Sparse (<25%)*
3 = Moderate (25-50%)	*3 = Moderate (25-50%)*	*3 = Moderate (50-80%)*	*3 = Moderate (25-60%)*	*3 = Moderate (25-60%)*
4 = Heavy (>50%)	*4 = Heavy (>50%)*	*4 = Heavy (>80%)*	*4 = Heavy (>60%)*	*4 = Heavy (>60%)*

Tree Data: ***plotless area using 10-factor prism[1]***

Tree Species Codes	Tree Species	Basal Area[2] Number Stems (dbh 4 - 9.5")	Number Stems (dbh 10 - 20")	Number Stems (dbh > 20")
QUNU = Nuttall Oak	ACNE		I	
QUNI = Water Oak	MORU	I		
QUPH = Willow Oak	LIST	I	II	
QULY = Overcup Oak	Hickory	I		
QUPA = Cherrybark Oak	QUPA		III	
QUSH = Shumard Oak	QUNI		I	
CAIL = Sweet Pecan	CELA		II	
CAAQ = Bitter Pecan				
TADI = Cypress				
NYAQ = Tupelo				
ULAM = American Elm				
ULCR = Cedar Elm				
DIVI = Persimmon				
PLOC = Sycamore				
PODE = Cottonwood				
LIST = Sweetgum				
ACNE = Boxelder				
ACRU = Red Maple				
CELA = Sugarberry				
FRPE = Green Ash				
GLAQ = Water Locust				
GLTR = Honey Locust				

1. *Basal Area determined using a 10-factor prism or equivalent.*
2. *Total tally times 10 for a 10-factor prism (example: 3 trees x 10 = 30ft^2 of basal area).*

Comments:

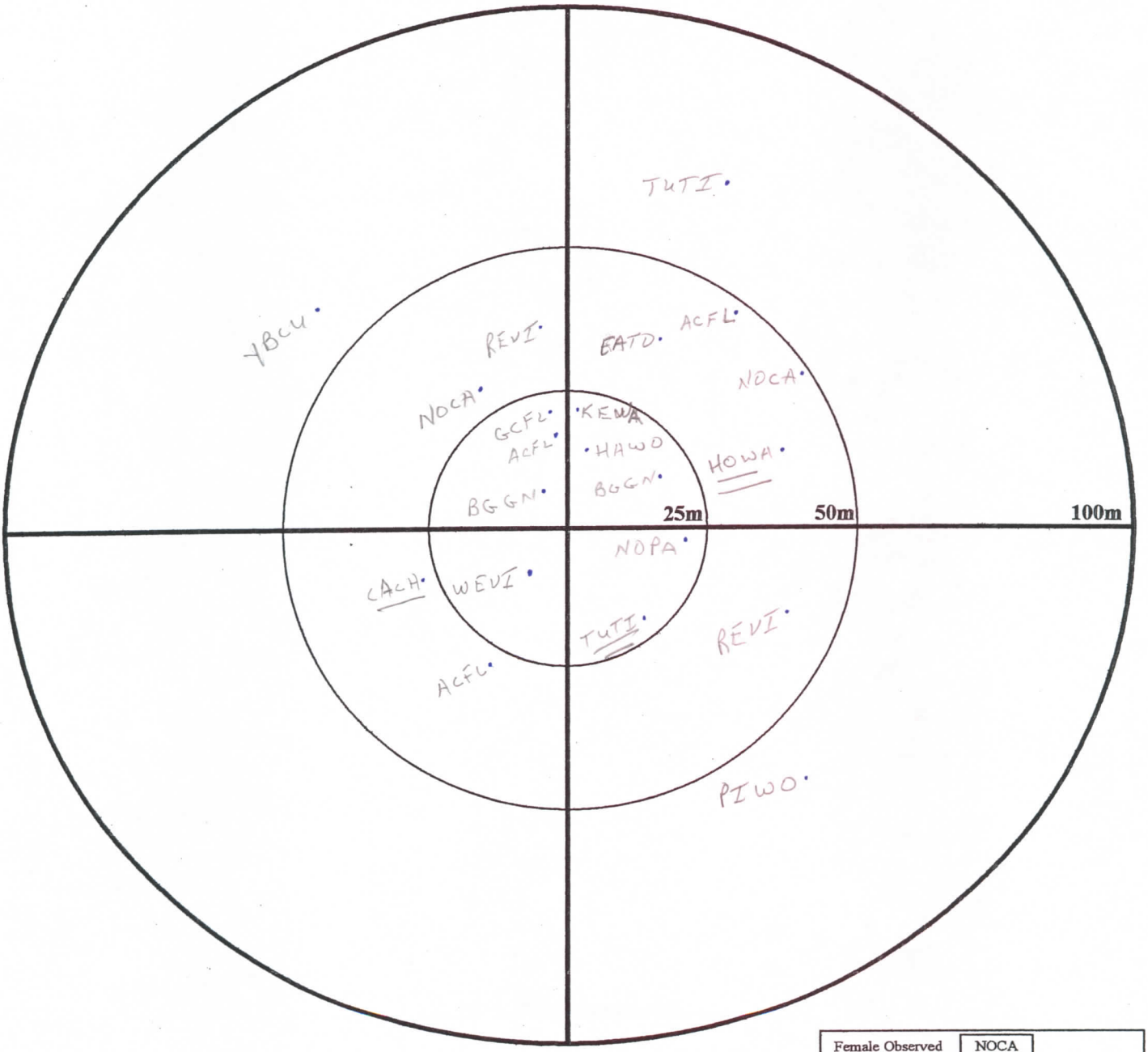
Start: End:

Point Count Field Sheet

State	Station	Unit	Compartment	Stand	Point #	Date	Observer	Time
MS		Stcat			123	6-5-09	0:55	7:41

Temp °C	Wind	Sky	Habitat	Cover Type	Management Rx	Year of Harvest
65°	0-5	clear	Down in Drain	Magnolia Trail		UNKN

North



Female Observed	NOCA	
Male Observed	NOCA	
Pair Together, assumed mated	NOCA	
Observed, sex unknown	NOCA	0-3 minutes
	NOCA	4-5 minutes
	NOCA	6-10 minutes

N-S Coordinate:_____ **E-W Coordinate:**_____ **Zone*:**_____

(N-S=Latitude; E-W=Longitude) *Zone = 0 for lat-long (geographic); else enter a UTM Zone.

Birds Observed >100 - ≤150m:_____

Flyovers:_____

Comments: FICR on the way out; 2nd Kentucky; Hooded WA

-- LMVJV April 2006 --

Habitat Data Associated with Forest Breeding Bird Point Counts

Location Data:

Date: 6-5-09	**Crew:** DJ			
Location: SC-132	**Unit:** St. Ca-	**Stand:**	**Line#:**	**Plot#:** 132
Treatment:		**Year Treatment Implemented:**		
GPS Coordinates for the Plot:	0650544-3469806			

Plot-level Data: ***visible area around plot***

Vines	Cane	Overstory (>30ft)	Mid-Story (10-30ft)	Understory (<10ft)
1 = None	*1 = None*	*1 = None*	*1 = None*	*1 = None*
2 = Sparse (<25%)	*2= Sparse (<25%)*	*2 = Sparse (<50%)*	*2 = Sparse (<25%)*	*2 = Sparse (<25%)*
3 = Moderate (25-50%)	*3 = Moderate (25-50%)*	*3 = Moderate (50-80%)*	*3 = Moderate (25-60%)*	*3 = Moderate (25-60%)*
4 = Heavy (>50%)	*4 = Heavy (>50%)*	*4 = Heavy (>80%)*	*4 = Heavy (>60%)*	*4 = Heavy (>60%)*

Tree Data: ***plotless area using 10-factor prism[1]***

Tree Species Codes	Tree Species	Basal Area[2] Number Stems (dbh 4 - 9.5")	Number Stems (dbh 10 - 20")	Number Stems (dbh > 20")
QUNU = Nuttall Oak	QUPA		I	II
QUNI = Water Oak	LIST	I		
QUPH = Willow Oak	Wing. Elm	I		
QULY = Overcup Oak	QUNI		II	
QUPA = Cherrybark Oak	FRPE		I	
QUSH = Shumard Oak	Su. Ch. Oak	II		
CAIL = Sweet Pecan	PITA		I	
CAAQ = Bitter Pecan				
TADI = Cypress				
NYAQ = Tupelo				
ULAM = American Elm				
ULCR = Cedar Elm				
DIVI = Persimmon				
PLOC = Sycamore				
PODE = Cottonwood				
LIST = Sweetgum				
ACNE = Boxelder				
ACRU = Red Maple				
CELA = Sugarberry				
FRPE = Green Ash				
GLAQ = Water Locust				
GLTR = Honey Locust				

1. *Basal Area determined using a 10-factor prism or equivalent.*
2. *Total tally times 10 for a 10-factor prism (example: 3 trees x 10 = 30ft² of basal area).*

Comments:

90 ft. East of Point b/c slope

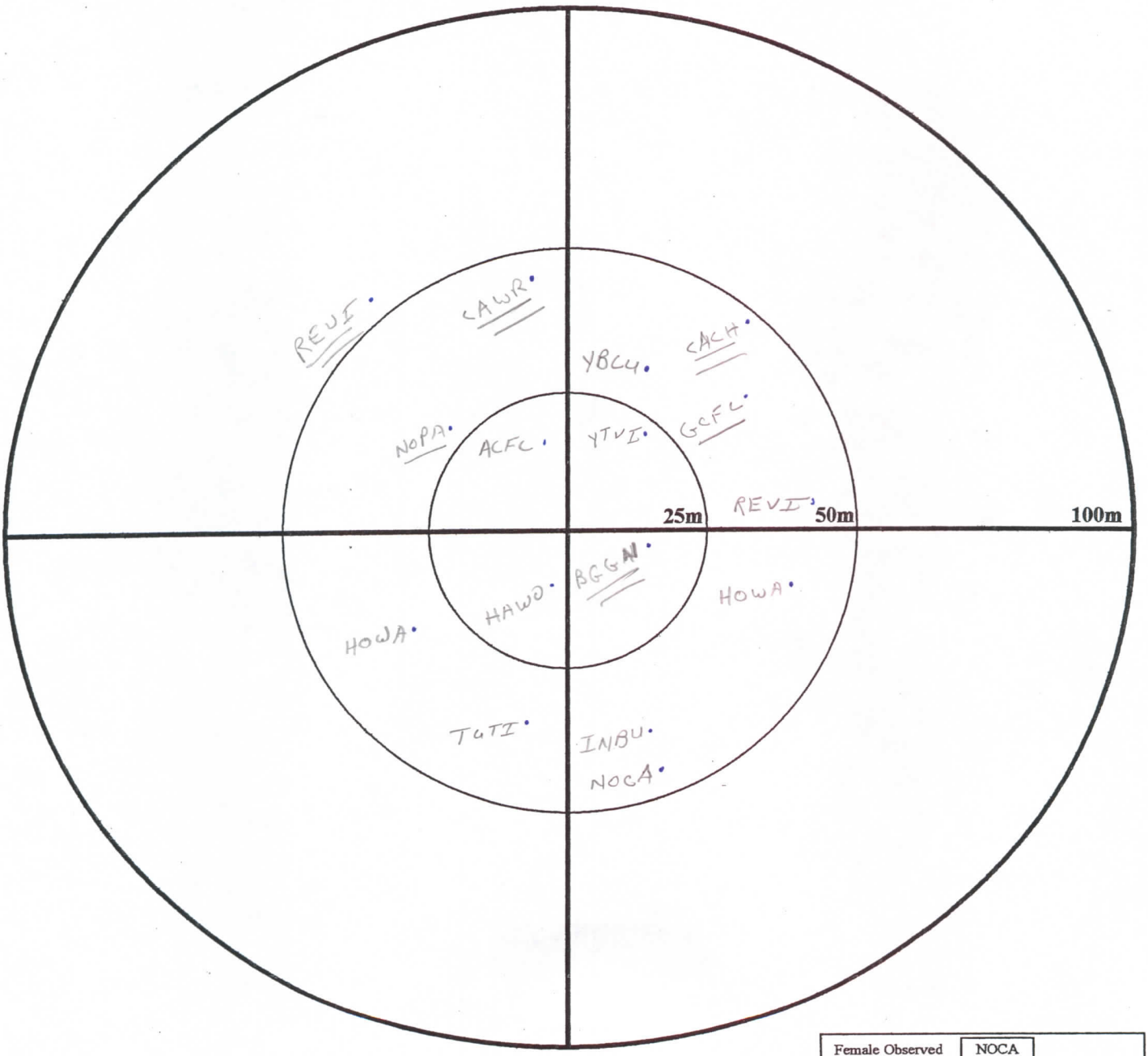
Start: End:

Point Count Field Sheet

State	Station	Unit	Compartment	Stand	Point #	Date	Observer	Time
MS		St. Cat	Magnolia Hiking Trail		132	6-5-09	DJ	8:22

Temp °C	Wind	Sky	Habitat	Cover Type	Management Rx	Year of Harvest
65°	5-10	Clear	Midslope of Bluff			UNKN

North



Female Observed	NOCA	
Male Observed	NOCA	
Pair Together, assumed mated	NOCA	
Observed, sex unknown	NOCA	0-3 minutes
	NOCA	4-5 minutes
	NOCA	6-10 minutes

N-S Coordinate:_____ **E-W Coordinate:**_____ **Zone*:**_____

(N-S=Latitude; E-W=Longitude) *Zone = 0 for lat-long (geographic); else enter a UTM Zone.

Birds Observed >100 - ≤150m:_____

Flyovers:_____

Comments:_____

-- LMVJV April 2006 --

Habitat Data Associated with Forest Breeding Bird Point Counts

Location Data:

Date: 6-5-09	**Crew:** D:1			
Location: SE 138	**Unit:** St. Cat	**Stand:**	**Line#:**	**Plot#:** 138
Treatment:		**Year Treatment Implemented:**		
GPS Coordinates for the Plot:	0650264-3469595			

Plot-level Data: ***visible area around plot***

Vines	Cane	Overstory (>30ft)	Mid-Story (10-30ft)	Understory (<10ft)
1 = None	*1 = None*	*1 = None*	*1 = None*	*1 = None*
2 = Sparse (<25%)	*2= Sparse (<25%)*	*2 = Sparse (<50%)*	*2 = Sparse (<25%)*	*2 = Sparse (<25%)*
3 = Moderate (25-50%)	*3 = Moderate (25-50%)*	*3 = Moderate (50-80%)*	*3 = Moderate (25-60%)*	*3 = Moderate (25-60%)*
4 = Heavy (>50%)	*4 = Heavy (>50%)*	*4 = Heavy (>80%)*	*4 = Heavy (>60%)*	*4 = Heavy (>60%)*

Tree Data: ***plotless area using 10-factor prism[1]***

Tree Species Codes	Tree Species	Basal Area[2] Number Stems (dbh 4 - 9.5")	Number Stems (dbh 10 - 20")	Number Stems (dbh > 20")
QUNU = Nuttall Oak	RITA		III	III
QUNI = Water Oak	QUNI		III	
QUPH = Willow Oak	LIST	I	I	
QULY = Overcup Oak	SNAG		I	I
QUPA = Cherrybark Oak	QUPA		I	
QUSH = Shumard Oak	Winged Elm	I		
CAIL = Sweet Pecan				
CAAQ = Bitter Pecan				
TADI = Cypress				
NYAQ = Tupelo				
ULAM = American Elm				
ULCR = Cedar Elm				
DIVI = Persimmon				
PLOC = Sycamore				
PODE = Cottonwood				
LIST = Sweetgum				
ACNE = Boxelder				
ACRU = Red Maple				
CELA = Sugarberry				
FRPE = Green Ash				
GLAQ = Water Locust				
GLTR = Honey Locust				

1. *Basal Area determined using a 10-factor prism or equivalent.*
2. *Total tally times 10 for a 10-factor prism (example: 3 trees x 10 = 30ft^2 of basal area).*

Comments:

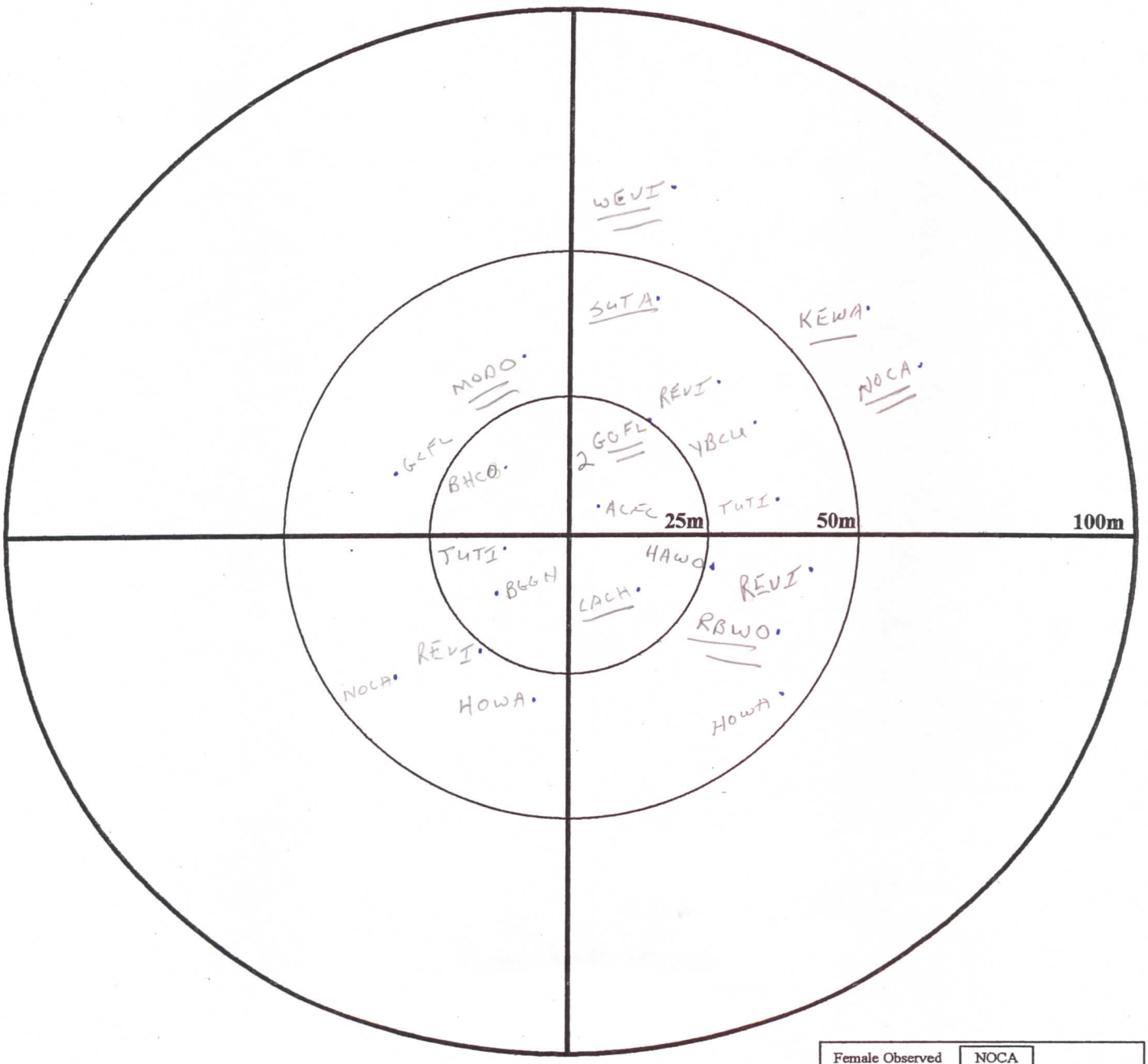
Start: End:

Point Count Field Sheet

State	Station	Unit	Compartment	Stand	Point #	Date	Observer	Time
MS		St Cat			138	6-5-09	DSJ	8:44

Temp °C	Wind	Sky	Habitat	Cover Type	Management Rx	Year of Harvest
70°	5-10	Clear				UNKN

North



Female Observed	NOCA	
Male Observed	NOCA	
Pair Together, assumed mated	NOCA	
Observed, sex unknown	NOCA	0-3 minutes
	NOCA	4-5 minutes
	NOCA	6-10 minutes

N-S Coordinate:_____ **E-W Coordinate:**_____ **Zone*:**_____

(N-S=Latitude; E-W=Longitude) *Zone = 0 for lat-long (geographic); else enter a UTM Zone.

Birds Observed >100 - ≤150m:_____

Flyovers: Turkey Vulture

Comments:_____

Habitat Data Associated with Forest Breeding Bird Point Counts

Location Data:

Date: 6-5-09	**Crew:** DJ			
Location: SC-143	**Unit:** St. Cat	**Stand:**	**Line#:**	**Plot#:** 143
Treatment:		**Year Treatment Implemented:**		
GPS Coordinates for the Plot:	0650030 - 3469324			

Plot-level Data: ***visible area around plot***

Vines	Cane	Overstory (>30ft)	Mid-Story (10-30ft)	Understory (<10ft)
1 = None *2 = Sparse (<25%)* *3 = Moderate (25-50%)* *4 = Heavy (>50%)*	*1 = None* *2 = Sparse (<25%)* *3 = Moderate (25-50%)* *4 = Heavy (>50%)*	*1 = None* *2 = Sparse (<50%)* *3 = Moderate (50-80%)* *4 = Heavy (>80%)*	*1 = None* *2 = Sparse (<25%)* *3 = Moderate (25-60%)* *4 = Heavy (>60%)*	*1 = None* *2 = Sparse (<25%)* *3 = Moderate (25-60%)* *4 = Heavy (>60%)*

Tree Data: ***plotless area using 10-factor prism[1]***

Tree Species Codes	Tree Species	Basal Area[2] Number Stems (dbh 4 - 9.5")	Number Stems (dbh 10 - 20")	Number Stems (dbh > 20")
QUNU = Nuttall Oak	QUPA			IIII
QUNI = Water Oak	QUNI		I	
QUPH = Willow Oak				
QULY = Overcup Oak				
QUPA = Cherrybark Oak				
QUSH = Shumard Oak				
CAIL = Sweet Pecan				
CAAQ = Bitter Pecan				
TADI = Cypress				
NYAQ = Tupelo				
ULAM = American Elm				
ULCR = Cedar Elm				
DIVI = Persimmon				
PLOC = Sycamore				
PODE = Cottonwood				
LIST = Sweetgum				
ACNE = Boxelder				
ACRU = Red Maple				
CELA = Sugarberry				
FRPE = Green Ash				
GLAQ = Water Locust				
GLTR = Honey Locust				

1. *Basal Area determined using a 10-factor prism or equivalent.*
2. *Total tally times 10 for a 10-factor prism (example: 3 trees x 10 = 30ft^2 of basal area).*

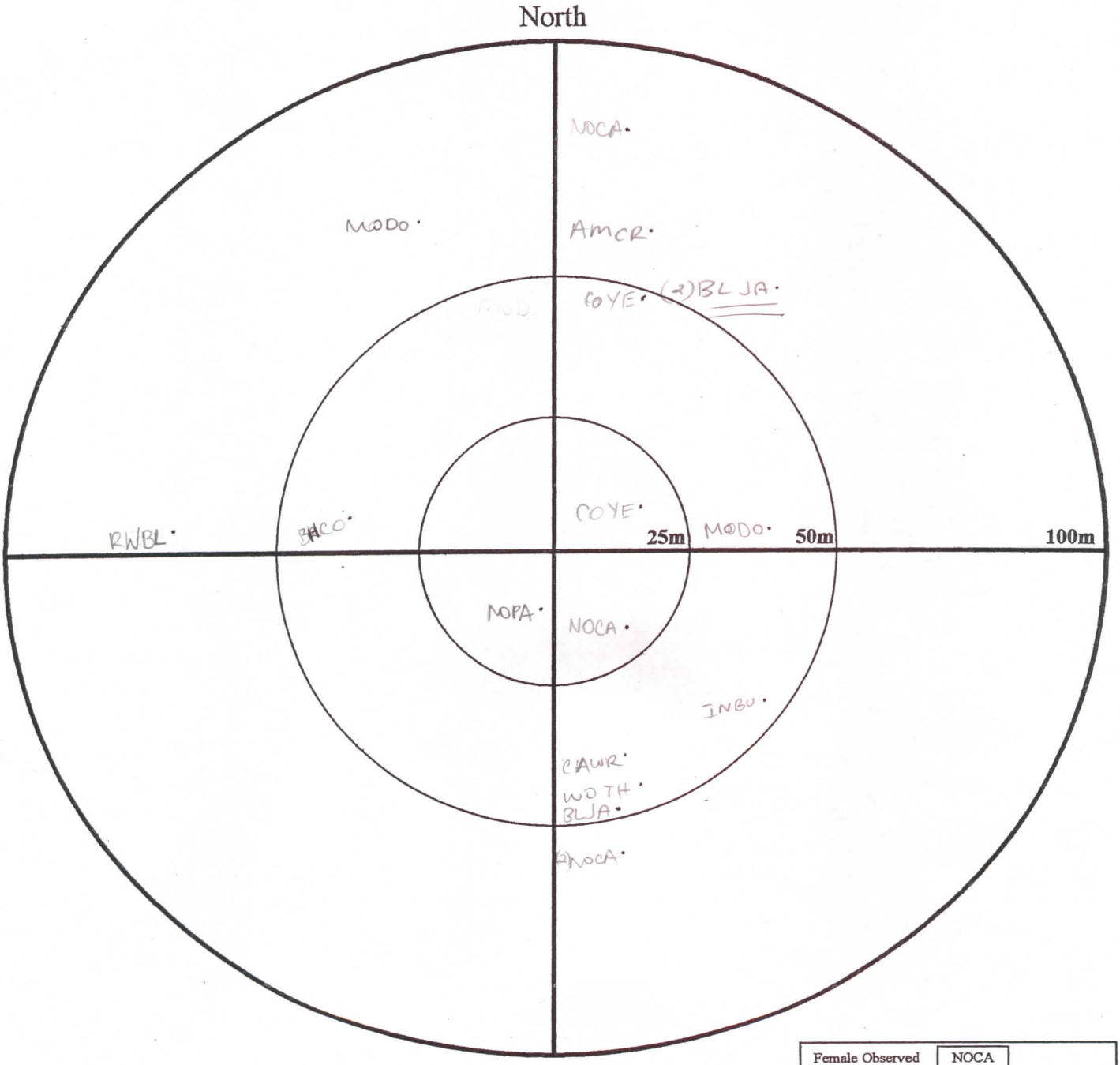
Comments:

Start: End:

Point Count Field Sheet

State	Station	Unit	Compartment	Stand	Point #	Date	Observer	Time
MS	St. Cat				143	6-5-09	D & J	9:04 - 9:1

Temp °C	Wind	Sky	Habitat	Cover Type	Management Rx	Year of Harvest
70°	10-15	cloudy				UNKN



Female Observed	NOCA	
Male Observed	NOCA	
Pair Together, assumed mated	NOCA	
Observed, sex unknown	NOCA	0-3 minutes
	NOCA	4-5 minutes
	NOCA	6-10 minutes

N-S Coordinate:_____ **E-W Coordinate:**_____ **Zone*:**_____

(N-S=Latitude; E-W=Longitude) *Zone = 0 for lat-long (geographic); else enter a UTM Zone.

Birds Observed >100 - ≤150m:_____

Flyovers: BARS

Comments:_____

-- LMVJV April 2006 --

Habitat Data Associated with Forest Breeding Bird Point Counts

Location Data:

Date: 6-5-09	**Crew:** D ;)			
Location: SC-150	**Unit:**	**Stand:**	**Line#:**	**Plot#:** 150
Treatment:		**Year Treatment Implemented:**		
GPS Coordinates for the Plot:	0650254-3469068			

Plot-level Data: *visible area around plot*

Vines	Cane	Overstory (>30ft)	Mid-Story (10-30ft)	Understory (<10ft)
1 = None	*1 = None*	*1 = None*	*1 = None*	*1 = None*
2 = Sparse (<25%)	*2= Sparse (<25%)*	*2 = Sparse (<50%)*	*2 = Sparse (<25%)*	*2 = Sparse (<25%)*
3 = Moderate (25-50%)	*3 = Moderate (25-50%)*	*3 = Moderate (50-80%)*	*3 = Moderate (25-60%)*	*3 = Moderate (25-60%)*
4 = Heavy (>50%)	*4 = Heavy (>50%)*	*4 = Heavy (>80%)*	*4 = Heavy (>60%)*	*4 = Heavy (>60%)*

Tree Data: *plotless area using 10-factor prism*[1]

Tree Species Codes	Tree Species	Basal Area[2] Number Stems (dbh 4 - 9.5")	Number Stems (dbh 10 - 20")	Number Stems (dbh > 20")
QUNU = Nuttall Oak	QUNI	1	~~III~~	
QUNI = Water Oak	LIST	1		
QUPH = Willow Oak	Hickory	1		
QULY = Overcup Oak	GLTR			1
QUPA = Cherrybark Oak	PITA		1	
QUSH = Shumard Oak				
CAIL = Sweet Pecan				
CAAQ = Bitter Pecan				
TADI = Cypress				
NYAQ = Tupelo				
ULAM = American Elm				
ULCR = Cedar Elm				
DIVI = Persimmon				
PLOC = Sycamore				
PODE = Cottonwood				
LIST = Sweetgum				
ACNE = Boxelder				
ACRU = Red Maple				
CELA = Sugarberry				
FRPE = Green Ash				
GLAQ = Water Locust				
GLTR = Honey Locust				

1. *Basal Area determined using a 10-factor prism or equivalent.*
2. *Total tally times 10 for a 10-factor prism (example: 3 trees x 10 = 30ft^2 of basal area).*

Comments:

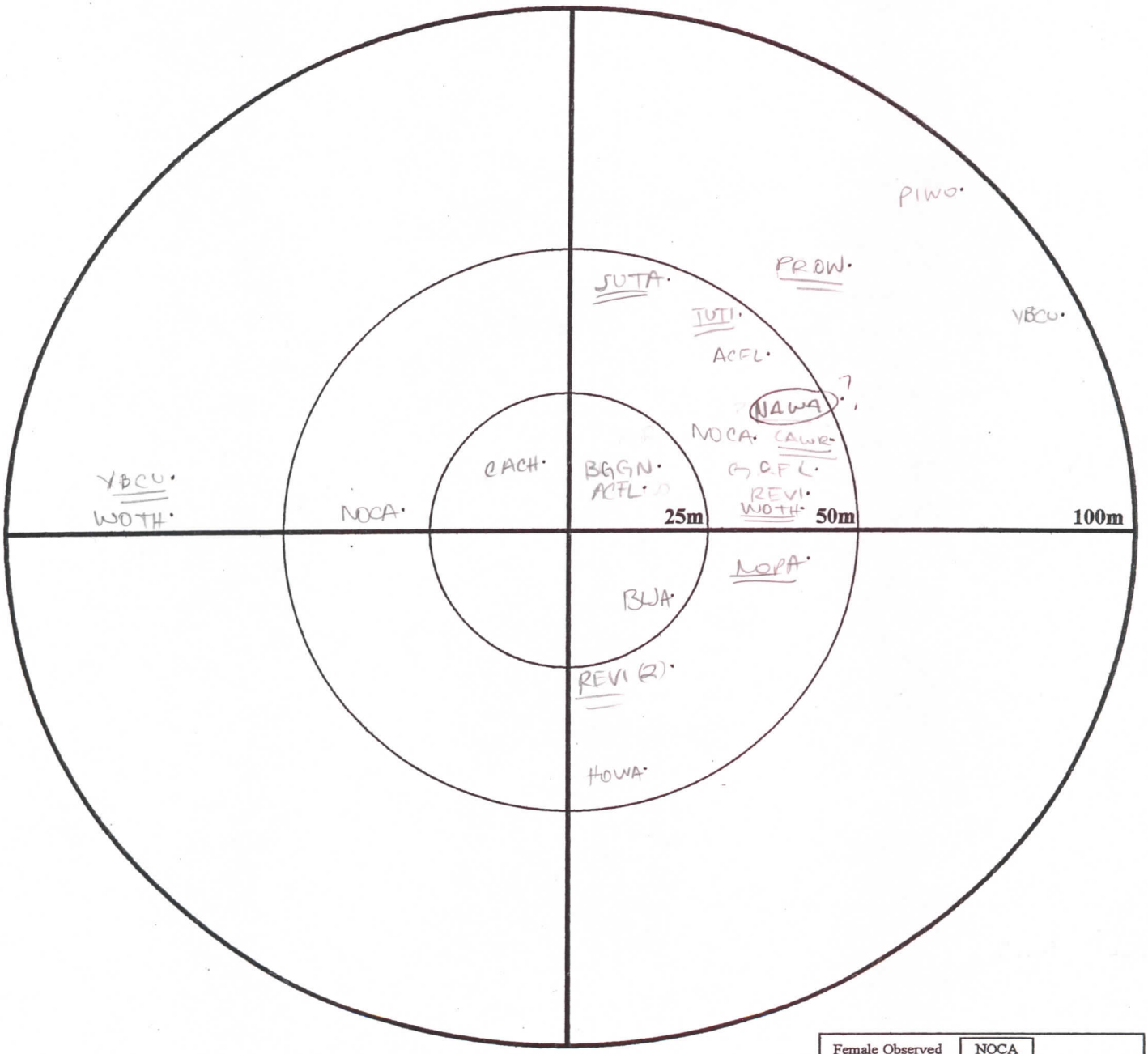
Start: **End:**

Point Count Field Sheet

State	Station	Unit	Compartment	Stand	Point #	Date	Observer	Time
MS		St Cat			150	6-5-09	DJ	9:29

Temp °C	Wind	Sky	Habitat	Cover Type	Management Rx	Year of Harvest
70°	0-5	cloudy				UNKN

North



Female Observed	NOCA	
Male Observed	NOCA	
Pair Together, assumed mated	NOCA	
Observed, sex unknown	NOCA	0-3 minutes
	NOCA	4-5 minutes
	NOCA	6-10 minutes

N-S Coordinate:_____ **E-W Coordinate:**_____ **Zone*:**_____

(N-S=Latitude; E-W=Longitude) *Zone = 0 for lat-long (geographic); else enter a UTM Zone.

Birds Observed >100 - ≤150m:_____

Flyovers:_____

Comments:_____

-- LMVJV April 2006 --

Habitat Data Associated with Forest Breeding Bird Point Counts

Location Data:

Date: 6-8-09	**Crew:** DJ			
Location: SC-70	**Unit:** St. Cat	**Stand:**	**Line#:**	**Plot#:** 70
Treatment:		**Year Treatment Implemented:**		
GPS Coordinates for the Plot:	0650 S07 - 3471090			

Plot-level Data: *visible area around plot*

Vines	Cane	Overstory (>30ft)	Mid-Story (10-30ft)	Understory (<10ft)
1 = None	*1 = None*	*1 = None*	*1 = None*	*1 = None*
2 = Sparse (<25%)	*2 = Sparse (<25%)*	*2 = Sparse (<50%)*	*2 = Sparse (<25%)*	*2 = Sparse (<25%)*
3 = Moderate (25-50%)	*3 = Moderate (25-50%)*	*3 = Moderate (50-80%)*	*3 = Moderate (25-60%)*	*3 = Moderate (25-60%)*
4 = Heavy (>50%)	*4 = Heavy (>50%)*	*4 = Heavy (>80%)*	*4 = Heavy (>60%)*	*4 = Heavy (>60%)*

Tree Data: ***plotless area using 10-factor prism[1]***

Tree Species Codes	Tree Species	Basal Area[2] Number Stems (dbh 4 - 9.5")	Number Stems (dbh 10 - 20")	Number Stems (dbh > 20")
QUNU = Nuttall Oak	PLOC	I	I	
QUNI = Water Oak	PITA	I	III	I
QUPH = Willow Oak	QUPA			II
QULY = Overcup Oak	Tuliptree	II		II
QUPA = Cherrybark Oak	FRPE			I
QUSH = Shumard Oak				
CAIL = Sweet Pecan				
CAAQ = Bitter Pecan				
TADI = Cypress				
NYAQ = Tupelo				
ULAM = American Elm				
ULCR = Cedar Elm				
DIVI = Persimmon				
PLOC = Sycamore				
PODE = Cottonwood				
LIST = Sweetgum				
ACNE = Boxelder				
ACRU = Red Maple				
CELA = Sugarberry				
FRPE = Green Ash				
GLAQ = Water Locust				
GLTR = Honey Locust				

1. *Basal Area determined using a 10-factor prism or equivalent.*
2. *Total tally times 10 for a 10-factor prism (example: 3 trees x 10 = 30ft^2 of basal area).*

Comments:

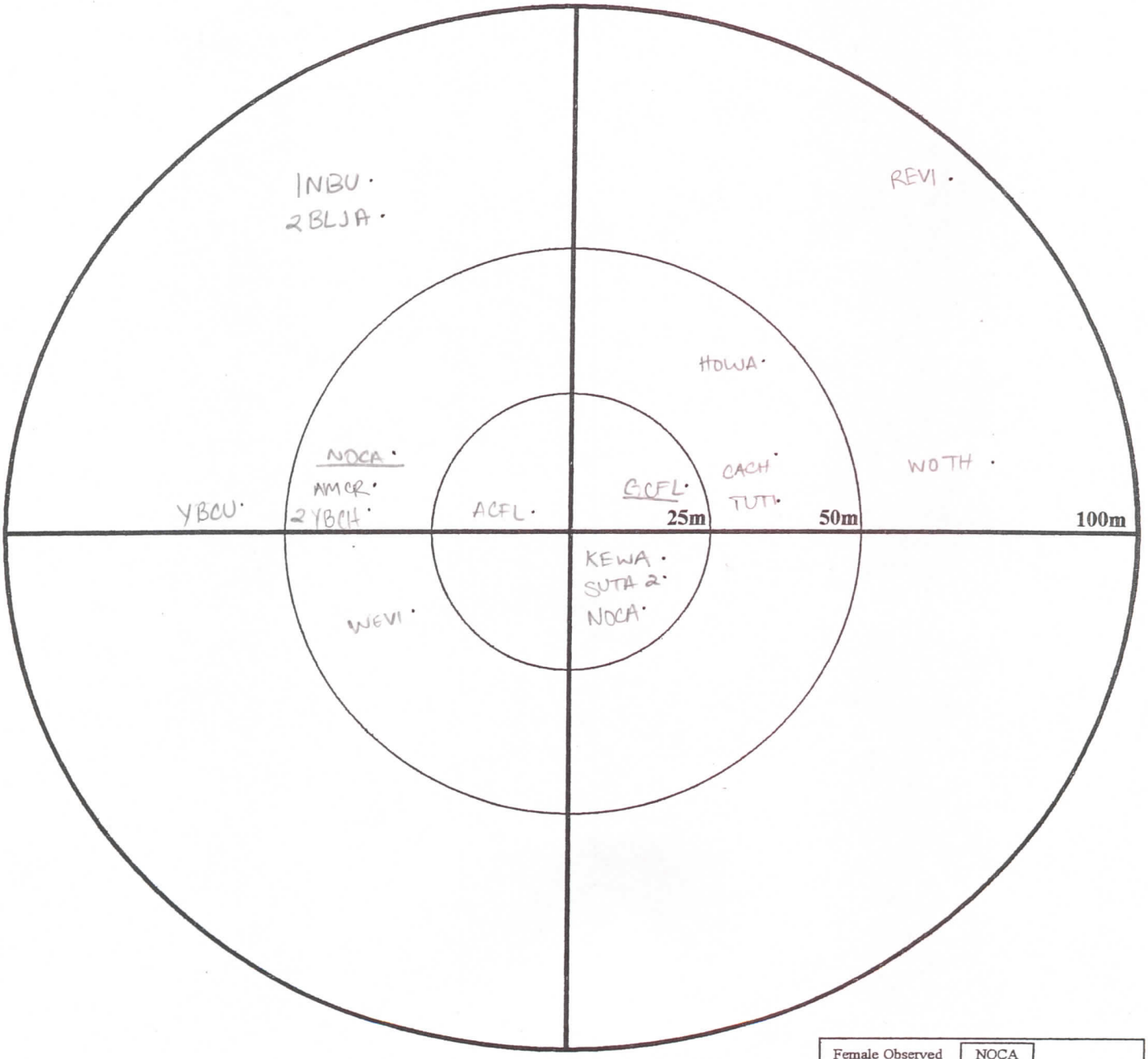
Start: End:

Point Count Field Sheet

State	Station	Unit	Compartment	Stand	Point #	Date	Observer	Time
MS		St Cat			70	6-8-09	DJJ	7:30-7:40

Temp °C	Wind	Sky	Habitat	Cover Type	Management Rx	Year of Harvest
65°	0-5	Clear				UNKN

North



Female Observed	NOCA	
Male Observed	NOCA	
Pair Together, assumed mated	NOCA	
Observed, sex unknown	NOCA	0-3 minutes
	NOCA	4-5 minutes
	NOCA	6-10 minutes

N-S Coordinate:_____ **E-W Coordinate:**_____ **Zone*:**_____

(N-S=Latitude; E-W=Longitude) *Zone = 0 for lat-long (geographic); else enter a UTM Zone.

Birds Observed >100 - ≤150m:_____

Flyovers:_____

Comments:_____

-- LMVJV April 2006 --

Habitat Data Associated with Forest Breeding Bird Point Counts

Location Data:

Date: 6-8-09	**Crew:** D & J			
Location: SC-54	**Unit:** St Cat	**Stand:**	**Line#:**	**Plot#:** 54
Treatment:		**Year Treatment Implemented:**		
GPS Coordinates for the Plot:	0650522 - 3471321			

Plot-level Data: ***visible area around plot***

Vines	Cane	Overstory (>30ft)	Mid-Story (10-30ft)	Understory (<10ft)
1 = None	*1 = None*	*1 = None*	*1 = None*	*1 = None*
2 = Sparse (<25%)	*2= Sparse (<25%)*	*2 = Sparse (<50%)*	*2 = Sparse (<25%)*	*2 = Sparse (<25%)*
3 = Moderate (25-50%)	*3 = Moderate (25-50%)*	*3 = Moderate (50-80%)*	*3 = Moderate (25-60%)*	*3 = Moderate (25-60%)*
4 = Heavy (>50%)	*4 = Heavy (>50%)*	*4 = Heavy (>80%)*	*4 = Heavy (>60%)*	*4 = Heavy (>60%)*

Tree Data: ***plotless area using 10-factor prism[1]***

Tree Species Codes	Tree Species	Basal Area[2] Number Stems (dbh 4 - 9.5")	Number Stems (dbh 10 - 20")	Number Stems (dbh > 20")
QUNU = Nuttall Oak	QUNI		II	I
QUNI = Water Oak	GLTR	I		
QUPH = Willow Oak	CELA		II	
QULY = Overcup Oak	QUPA		IIII	I
QUPA = Cherrybark Oak	SNAG	I		
QUSH = Shumard Oak				
CAIL = Sweet Pecan				
CAAQ = Bitter Pecan				
TADI = Cypress				
NYAQ = Tupelo				
ULAM = American Elm				
ULCR = Cedar Elm				
DIVI = Persimmon				
PLOC = Sycamore				
PODE = Cottonwood				
LIST = Sweetgum				
ACNE = Boxelder				
ACRU = Red Maple				
CELA = Sugarberry				
FRPE = Green Ash				
GLAQ = Water Locust				
GLTR = Honey Locust				

1. *Basal Area determined using a 10-factor prism or equivalent.*
2. *Total tally times 10 for a 10-factor prism (example: 3 trees x 10 = 30ft^2 of basal area).*

Comments:

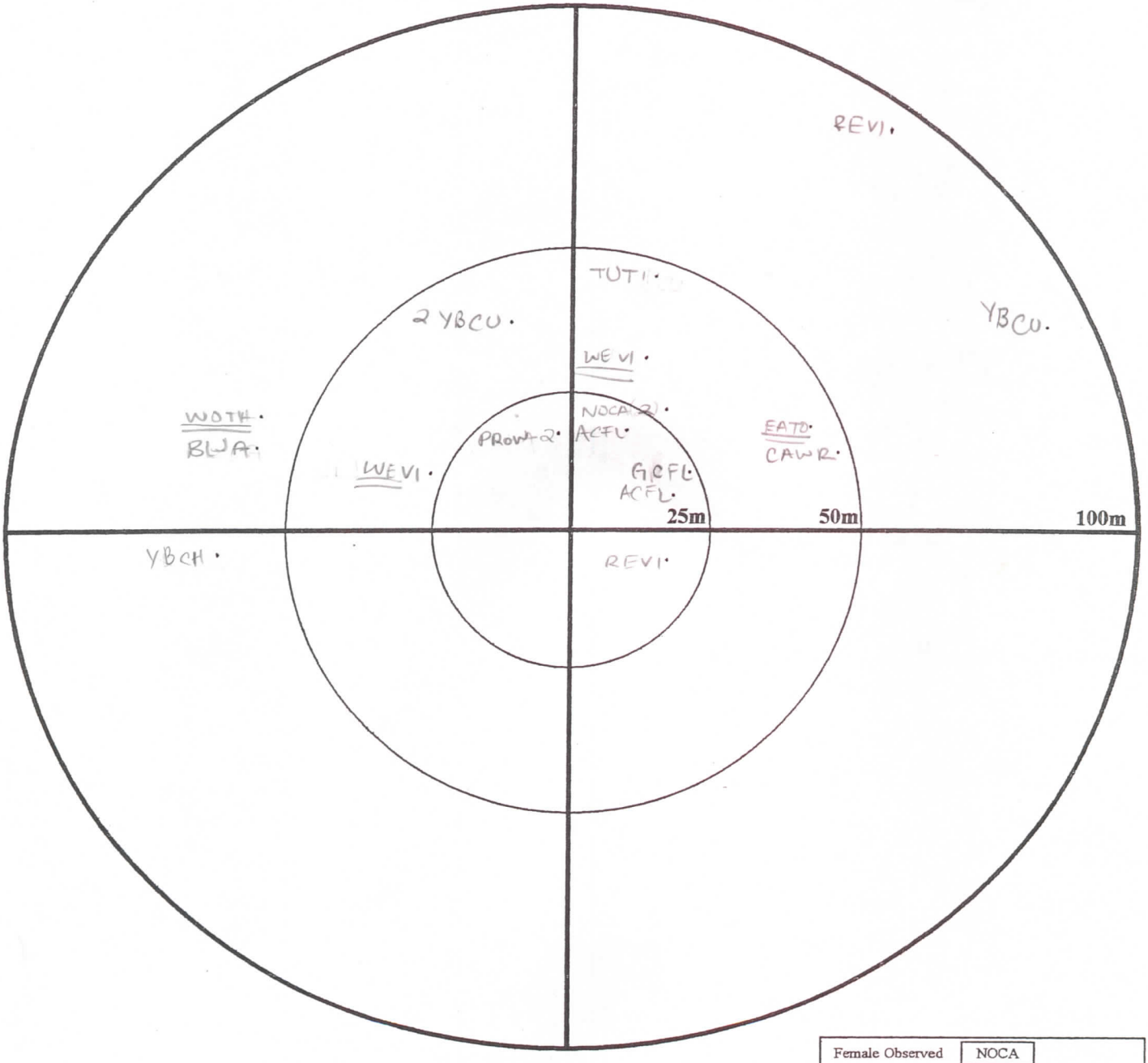
Start: End:

Point Count Field Sheet

State	Station	Unit	Compartment	Stand	Point #	Date	Observer	Time
MS		St. Cat			S6	6-8-09	DJT	7:49 → 7:59

Temp °C	Wind	Sky	Habitat	Cover Type	Management Rx	Year of Harvest
70	0	Clear				UNKN

North



Female Observed	NOCA
Male Observed	NOCA
Pair Together, assumed mated	NOCA
Observed, sex unknown	NOCA 0-3 minutes
	NOCA 4-5 minutes
	NOCA 6-10 minutes

N-S Coordinate:_____ **E-W Coordinate:**_____ **Zone*:**_____

(N-S=Latitude; E-W=Longitude) *Zone = 0 for lat-long (geographic); else enter a UTM Zone.

Birds Observed >100 - ≤150m:_____

Flyovers:_____

Comments:_____

-- LMVJV April 2006 --

Habitat Data Associated with Forest Breeding Bird Point Counts

Location Data:

Date: 6-8-09	**Crew:** D, J			
Location: SC-53	**Unit:** St. CAT	**Stand:**	**Line#:**	**Plot#:** 53
Treatment:		**Year Treatment Implemented:**		
GPS Coordinates for the Plot:	0649764-3471310			

Plot-level Data: ***visible area around plot***

Vines	Cane	Overstory (>30ft)	Mid-Story (10-30ft)	Understory (<10ft)
1 = None	1 = None	1 = None	1 = None	1 = None
2 = Sparse (<25%)	2 = Sparse (<25%)	2 = Sparse (<50%)	2 = Sparse (<25%)	2 = Sparse (<25%)
3 = Moderate (25-50%)	3 = Moderate (25-50%)	3 = Moderate (50-80%)	3 = Moderate (25-60%)	3 = Moderate (25-60%)
4 = Heavy (>50%)	4 = Heavy (>50%)	4 = Heavy (>80%)	4 = Heavy (>60%)	4 = Heavy (>60%)

Tree Data: ***plotless area using 10-factor prism[1]***

Tree Species Codes	Tree Species	Basal Area[2] Number Stems (dbh 4 - 9.5")	Number Stems (dbh 10 - 20")	Number Stems (dbh > 20")
QUNU = Nuttall Oak	QUPA			1
QUNI = Water Oak				
QUPH = Willow Oak				
QULY = Overcup Oak				
QUPA = Cherrybark Oak				
QUSH = Shumard Oak				
CAIL = Sweet Pecan				
CAAQ = Bitter Pecan				
TADI = Cypress				
NYAQ = Tupelo				
ULAM = American Elm				
ULCR = Cedar Elm				
DIVI = Persimmon				
PLOC = Sycamore				
PODE = Cottonwood				
LIST = Sweetgum				
ACNE = Boxelder				
ACRU = Red Maple				
CELA = Sugarberry				
FRPE = Green Ash				
GLAQ = Water Locust				
GLTR = Honey Locust				

1. *Basal Area determined using a 10-factor prism or equivalent.*
2. *Total tally times 10 for a 10-factor prism (example: 3 trees x 10 = 30ft^2 of basal area).*

Comments:

edge of plantation/clear cut

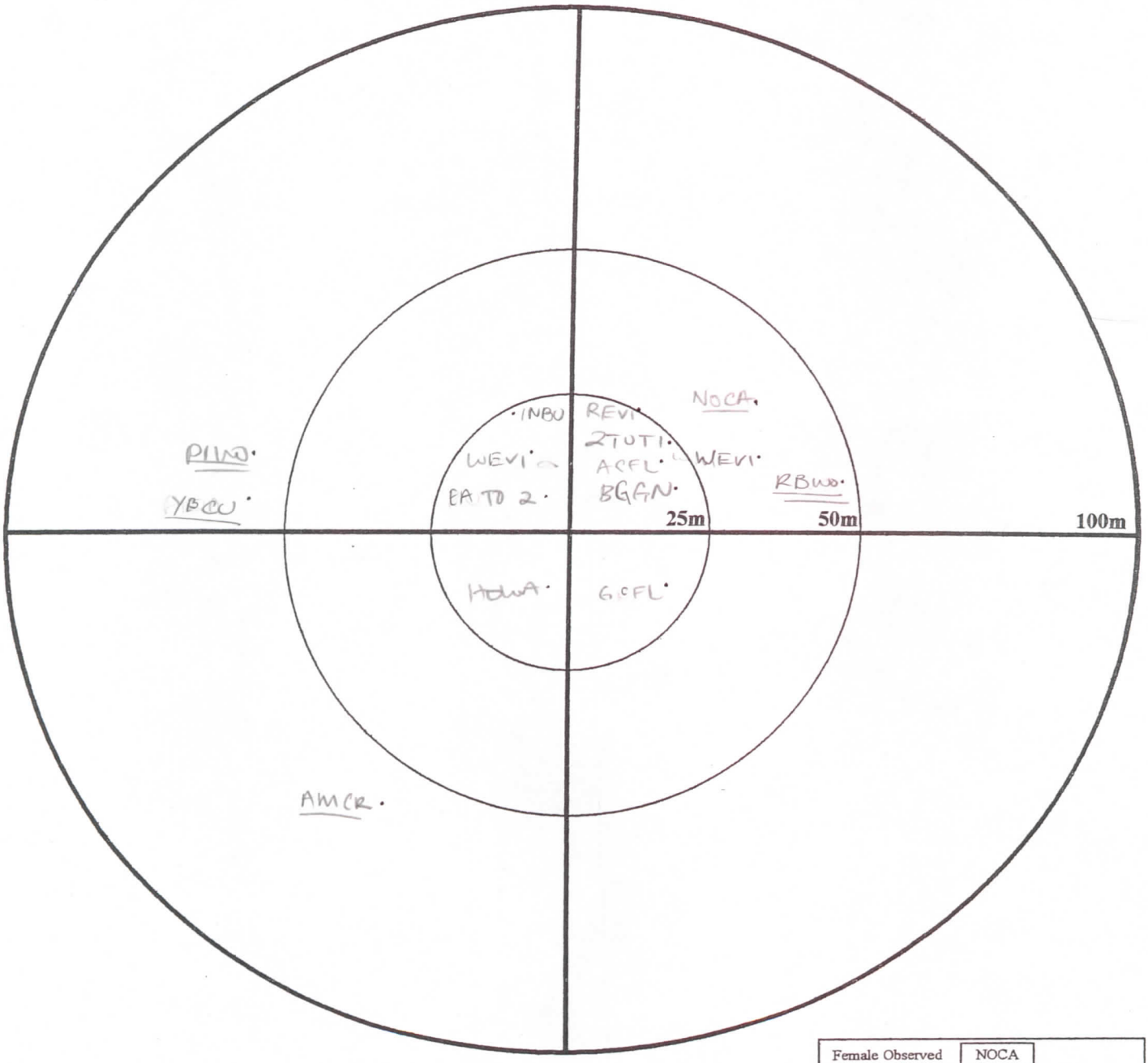
Start: End:

Point Count Field Sheet

State	Station	Unit	Compartment	Stand	Point #	Date	Observer	Time
MS		St. Cat			S3	6-8-09	DJJ	8:10

Temp °C	Wind	Sky	Habitat	Cover Type	Management Rx	Year of Harvest
70°	0	Clear	old plantation			unkn

North



Female Observed	NOCA
Male Observed	NOCA
Pair Together, assumed mated	NOCA
Observed, sex unknown	NOCA 0-3 minutes
	NOCA 4-5 minutes
	NOCA 6-10 minutes

N-S Coordinate:_____ **E-W Coordinate:**_____ **Zone*:**_____

(N-S=Latitude; E-W=Longitude) *Zone = 0 for lat-long (geographic); else enter a UTM Zone.

Birds Observed >100 - ≤150m:_____

Flyovers: BHCO

Comments:_____

Habitat Data Associated with Forest Breeding Bird Point Counts

Location Data:

Date: 6-8-09	**Crew:** D; J			
Location: SC-67	**Unit:** St. Cat	**Stand:**	**Line#:**	**Plot#:** 67
Treatment:		**Year Treatment Implemented:**		
GPS Coordinates for the Plot:	0649779-3471052			

Plot-level Data: ***visible area around plot***

Vines	Cane	Overstory (>30ft)	Mid-Story (10-30ft)	Understory (<10ft)
1 = None	*1 = None*	*1 = None*	*1 = None*	*1 = None*
2 = Sparse (<25%)	*2 = Sparse (<25%)*	*2 = Sparse (<50%)*	*2 = Sparse (<25%)*	*2 = Sparse (<25%)*
3 = Moderate (25-50%)	*3 = Moderate (25-50%)*	*3 = Moderate (50-80%)*	*3 = Moderate (25-60%)*	*3 = Moderate (25-60%)*
4 = Heavy (>50%)	*4 = Heavy (>50%)*	*4 = Heavy (>80%)*	*4 = Heavy (>60%)*	*4 = Heavy (>60%)*

Tree Data: ***plotless area using 10-factor prism[1]***

Tree Species Codes	Tree Species	Basal Area[2] Number Stems (dbh 4 - 9.5")	Number Stems (dbh 10 - 20")	Number Stems (dbh > 20")
QUNU = Nuttall Oak	PIVA	~~IIII~~ III	~~IIII~~ II	
QUNI = Water Oak				
QUPH = Willow Oak				
QULY = Overcup Oak				
QUPA = Cherrybark Oak				
QUSH = Shumard Oak				
CAIL = Sweet Pecan				
CAAQ = Bitter Pecan				
TADI = Cypress				
NYAQ = Tupelo				
ULAM = American Elm				
ULCR = Cedar Elm				
DIVI = Persimmon				
PLOC = Sycamore				
PODE = Cottonwood				
LIST = Sweetgum				
ACNE = Boxelder				
ACRU = Red Maple				
CELA = Sugarberry				
FRPE = Green Ash				
GLAQ = Water Locust				
GLTR = Honey Locust				

1. *Basal Area determined using a 10-factor prism or equivalent.*
2. *Total tally times 10 for a 10-factor prism (example: 3 trees x 10 = 30ft² of basal area).*

Comments:

near pin x plantation

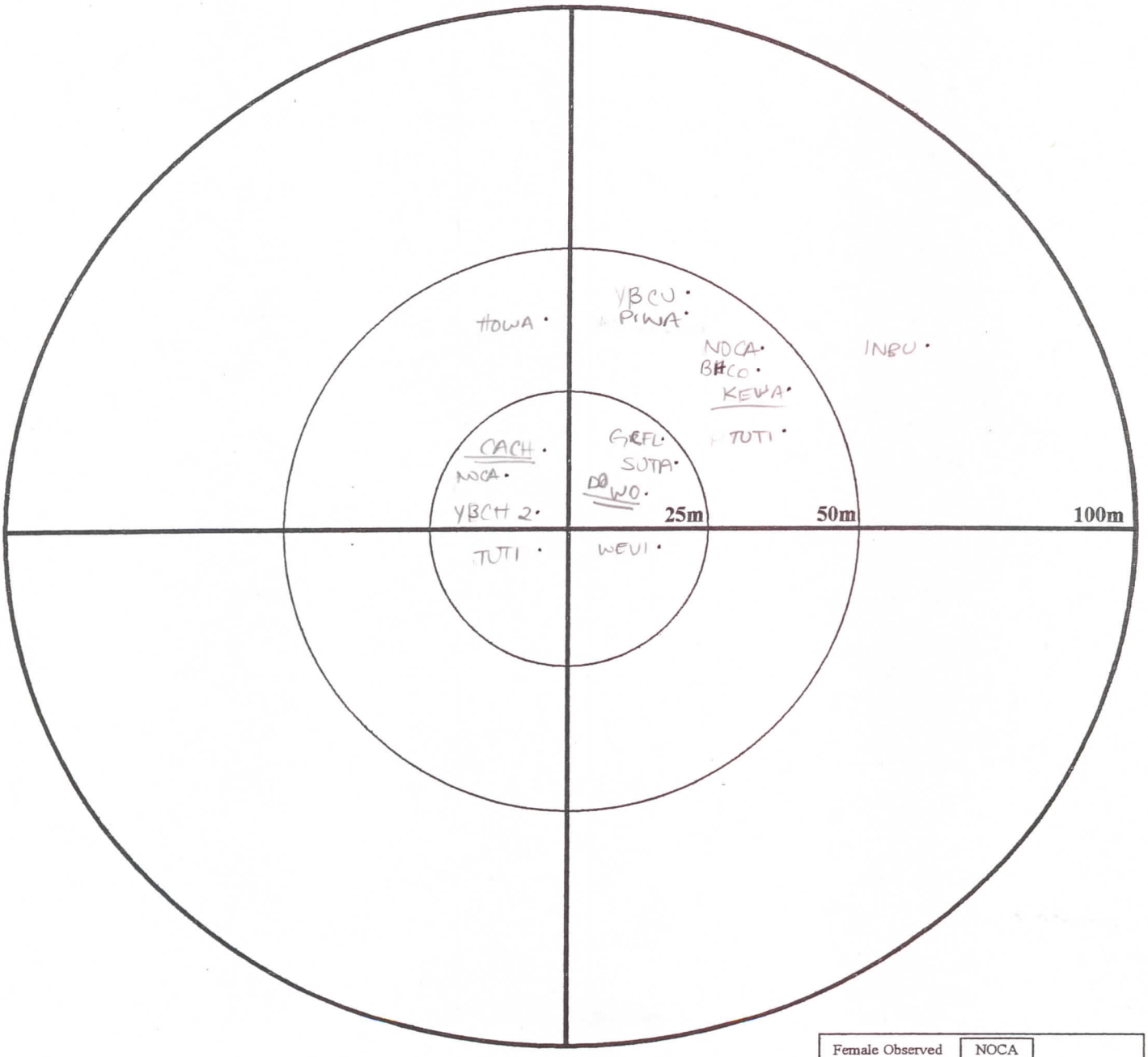
Start: End:

Point Count Field Sheet

State	Station	Unit	Compartment	Stand	Point #	Date	Observer	Time
MS		St. Cat			67	6-8-09	ai T	8:27

Temp °C	Wind	Sky	Habitat	Cover Type	Management Rx	Year of Harvest
70	0-5	clear	Pine Plan			unkn

North



Female Observed	NOCA
Male Observed	NOCA
Pair Together, assumed mated	NOCA
Observed, sex unknown	NOCA 0-3 minutes
	NOCA 4-5 minutes
	NOCA 6-10 minutes

N-S Coordinate:_____ **E-W Coordinate:**_____ **Zone*:**_____

(N-S=Latitude; E-W=Longitude) *Zone = 0 for lat-long (geographic); else enter a UTM Zone.

Birds Observed >100 - ≤150m:_____

Flyovers:_____

Comments:_____

-- LMVJV April 2006 --

Habitat Data Associated with Forest Breeding Bird Point Counts

Location Data:

Date: 6-8-09	**Crew:** D & J			
Location: SC-81	**Unit:** St. Cat	**Stand:**	**Line#:**	**Plot#:** 81
Treatment: Pine Plantation		**Year Treatment Implemented:**		
GPS Coordinates for the Plot:	0649780 - 3470809			

Plot-level Data: *visible area around plot*

Vines	Cane	Overstory (>30ft)	Mid-Story (10-30ft)	Understory (<10ft)
1 = None	*1 = None*	*1 = None*	*1 = None*	*1 = None*
2 = Sparse (<25%)	*2 = Sparse (<25%)*	*2 = Sparse (<50%)*	*2 = Sparse (<25%)*	*2 = Sparse (<25%)*
3 = Moderate (25-50%)	*3 = Moderate (25-50%)*	*3 = Moderate (50-80%)*	*3 = Moderate (25-60%)*	*3 = Moderate (25-60%)*
4 = Heavy (>50%)	*4 = Heavy (>50%)*	*4 = Heavy (>80%)*	*4 = Heavy (>60%)*	*4 = Heavy (>60%)*

Tree Data: *plotless area using 10-factor prism*[1]

Tree Species Codes	Tree Species	Basal Area[2] Number Stems (dbh 4 - 9.5")	Number Stems (dbh 10 - 20")	Number Stems (dbh > 20")
QUNU = Nuttall Oak	PITA	~~////~~	////	
QUNI = Water Oak	QUNU		///	
QUPH = Willow Oak				
QULY = Overcup Oak				
QUPA = Cherrybark Oak				
QUSH = Shumard Oak				
CAIL = Sweet Pecan				
CAAQ = Bitter Pecan				
TADI = Cypress				
NYAQ = Tupelo				
ULAM = American Elm				
ULCR = Cedar Elm				
DIVI = Persimmon				
PLOC = Sycamore				
PODE = Cottonwood				
LIST = Sweetgum				
ACNE = Boxelder				
ACRU = Red Maple				
CELA = Sugarberry				
FRPE = Green Ash				
GLAQ = Water Locust				
GLTR = Honey Locust				

1. *Basal Area determined using a 10-factor prism or equivalent.*
2. *Total tally times 10 for a 10-factor prism (example: 3 trees x 10 = 30ft^2 of basal area).*

Comments:

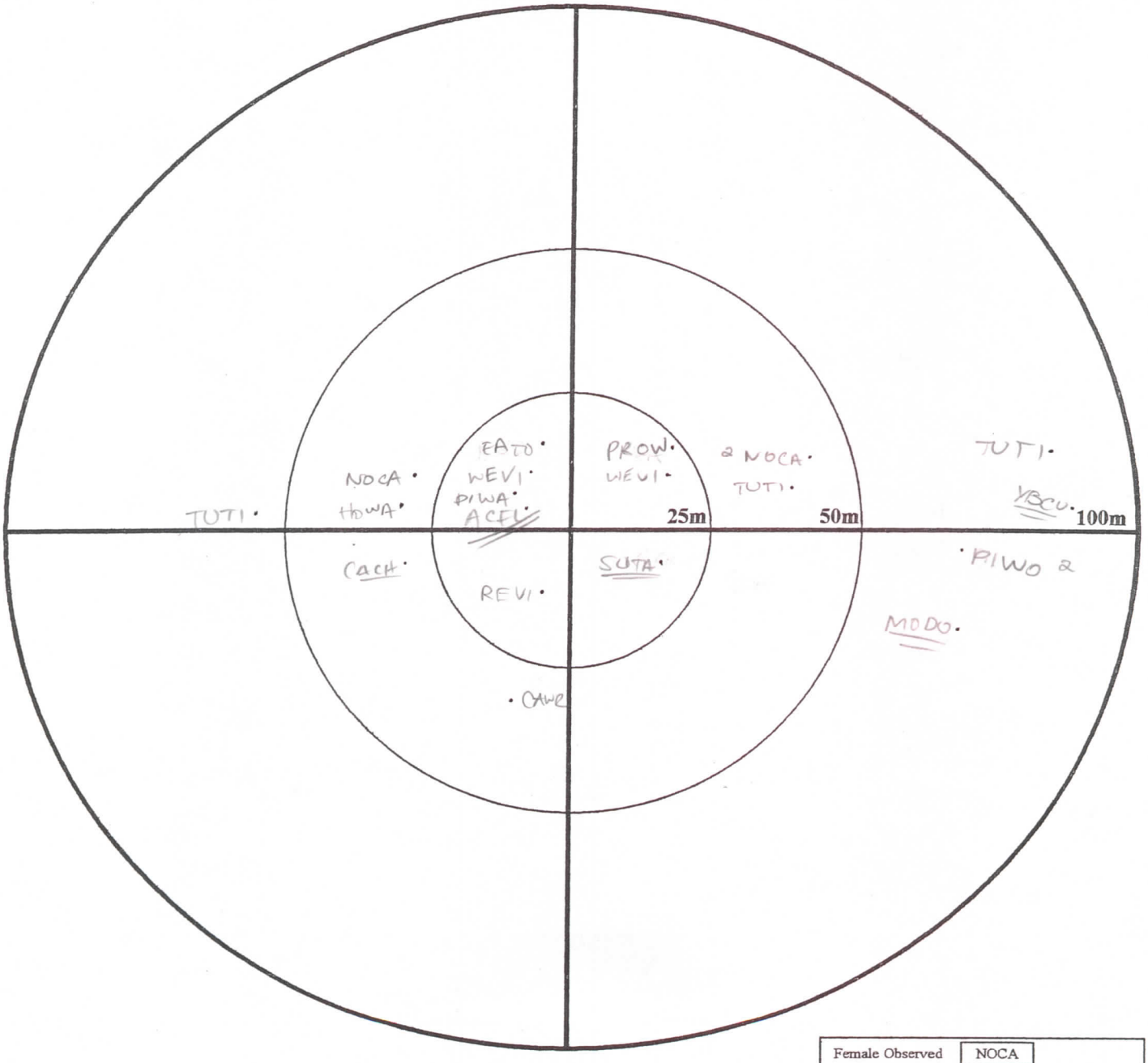
Start: End:

Point Count Field Sheet

State	Station	Unit	Compartment	Stand	Point #	Date	Observer	Time
MS		Stcat			81	6-8-09	D.J	8:49

Temp °C	Wind	Sky	Habitat	Cover Type	Management Rx	Year of Harvest
70°	05	Clear	Pine	Pine		UNKN

North



Female Observed	NOCA	
Male Observed	NOCA	
Pair Together, assumed mated	NOCA	
Observed, sex unknown	NOCA	0-3 minutes
	NOCA	4-5 minutes
	NOCA	6-10 minutes

N-S Coordinate:_____ **E-W Coordinate:**_____ **Zone*:**_____

(N-S=Latitude; E-W=Longitude) *Zone = 0 for lat-long (geographic); else enter a UTM Zone.

Birds Observed >100 - ≤150m:_____

Flyovers:_____

Comments:_____

-- LMVJV April 2006 --

Habitat Data Associated with Forest Breeding Bird Point Counts

Location Data:

Date: 6-8-09	**Crew:** BJ			
Location: SC-94	**Unit:** ST. CAT	**Stand:**	**Line#:**	**Plot#:** 94
Treatment:		**Year Treatment Implemented:**		
GPS Coordinates for the Plot:	0649754 - 3470510			

Plot-level Data: ***visible area around plot***

Vines	Cane	Overstory (>30ft)	Mid-Story (10-30ft)	Understory (<10ft)
1 = None	*1 = None*	*1 = None*	*1 = None*	*1 = None*
2 = Sparse (<25%)	*2 = Sparse (<25%)*	*2 = Sparse (<50%)*	*2 = Sparse (<25%)*	*2 = Sparse (<25%)*
3 = Moderate (25-50%)	*3 = Moderate (25-50%)*	*3 = Moderate (50-80%)*	*3 = Moderate (25-60%)*	*3 = Moderate (25-60%)*
4 = Heavy (>50%)	*4 = Heavy (>50%)*	*4 = Heavy (>80%)*	*4 = Heavy (>60%)*	*4 = Heavy (>60%)*

Tree Data: ***plotless area using 10-factor prism[1]***

Tree Species Codes	Tree Species	Basal Area[2] Number Stems (dbh 4 - 9.5")	Number Stems (dbh 10 - 20")	Number Stems (dbh > 20")
QUNU = Nuttall Oak	QUNI	I	III	
QUNI = Water Oak	LIST	II		
QUPH = Willow Oak	PITA	I		
QULY = Overcup Oak				
QUPA = Cherrybark Oak				
QUSH = Shumard Oak				
CAIL = Sweet Pecan				
CAAQ = Bitter Pecan				
TADI = Cypress				
NYAQ = Tupelo				
ULAM = American Elm				
ULCR = Cedar Elm				
DIVI = Persimmon				
PLOC = Sycamore				
PODE = Cottonwood				
LIST = Sweetgum				
ACNE = Boxelder				
ACRU = Red Maple				
CELA = Sugarberry				
FRPE = Green Ash				
GLAQ = Water Locust				
GLTR = Honey Locust				

1. *Basal Area determined using a 10-factor prism or equivalent.*
2. *Total tally times 10 for a 10-factor prism (example: 3 trees x 10 = 30ft^2 of basal area).*

Comments:

edge of pine plantation

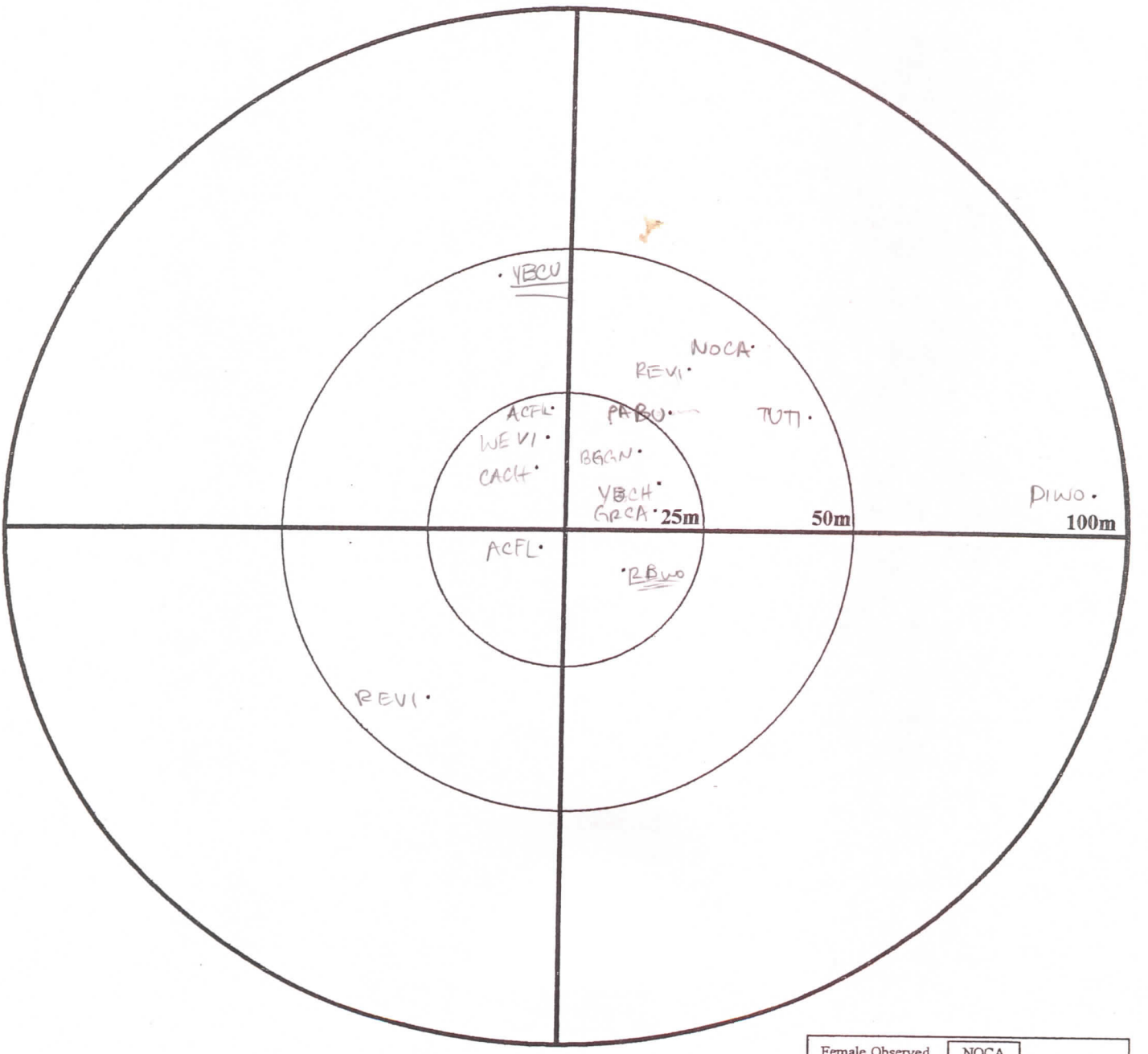
Start: End:

Point Count Field Sheet

State	Station	Unit	Compartment	Stand	Point #	Date	Observer	Time
MS		S+CAT			94	6-8-09	DJ	9:05

Temp °C	Wind	Sky	Habitat	Cover Type	Management Rx	Year of Harvest
75°	0-5	Clear				UNKN

North



Female Observed	NOCA	
Male Observed	NOCA	
Pair Together, assumed mated	NOCA	
Observed, sex unknown	NOCA	0-3 minutes
	NOCA	4-5 minutes
	NOCA	6-10 minutes

N-S Coordinate:_____ **E-W Coordinate:**_____ **Zone*:**_____

(N-S=Latitude; E-W=Longitude) *Zone = 0 for lat-long (geographic); else enter a UTM Zone.

Birds Observed >100 - ≤150m:_____

Flyovers:_____

Comments:_____

-- LMVJV April 2006 --

Habitat Data Associated with Forest Breeding Bird Point Counts

Location Data:

Date: 6-9-09	**Crew:** DJ			
Location: Sibley-1	**Unit:** St. Cat	**Stand:**	**Line#:**	**Plot#:** 1
Treatment:		**Year Treatment Implemented:**		
GPS Coordinates for the Plot:	0648927-3468391			

Plot-level Data: ***visible area around plot***

Vines	Cane	Overstory (>30ft)	Mid-Story (10-30ft)	Understory (<10ft)
1 = None	*1 = None*	*1 = None*	*1 = None*	*1 = None*
2 = Sparse (<25%)	*2= Sparse (<25%)*	*2 = Sparse (<50%)*	*2 = Sparse (<25%)*	*2 = Sparse (<25%)*
3 = Moderate (25-50%)	*3 = Moderate (25-50%)*	*3 = Moderate (50-80%)*	*3 = Moderate (25-60%)*	*3 = Moderate (25-60%)*
4 = Heavy (>50%)	*4 = Heavy (>50%)*	*4 = Heavy (>80%)*	*4 = Heavy (>60%)*	*4 = Heavy (>60%)*

Tree Data: ***plotless area using 10-factor prism[1]***

Tree Species Codes	Tree Species	Basal Area[2] Number Stems (dbh 4 - 9.5")	Number Stems (dbh 10 - 20")	Number Stems (dbh > 20")
QUNU = Nuttall Oak				
QUNI = Water Oak				
QUPH = Willow Oak	All	TREES	WILLOW	Sp.
QULY = Overcup Oak				
QUPA = Cherrybark Oak				
QUSH = Shumard Oak				
CAIL = Sweet Pecan				
CAAQ = Bitter Pecan				
TADI = Cypress				
NYAQ = Tupelo				
ULAM = American Elm				
ULCR = Cedar Elm				
DIVI = Persimmon				
PLOC = Sycamore				
PODE = Cottonwood				
LIST = Sweetgum				
ACNE = Boxelder				
ACRU = Red Maple				
CELA = Sugarberry				
FRPE = Green Ash				
GLAQ = Water Locust				
GLTR = Honey Locust				

1. *Basal Area determined using a 10-factor prism or equivalent.*
2. *Total tally times 10 for a 10-factor prism (example: 3 trees x 10 = 30ft^2 of basal area).*

Comments:

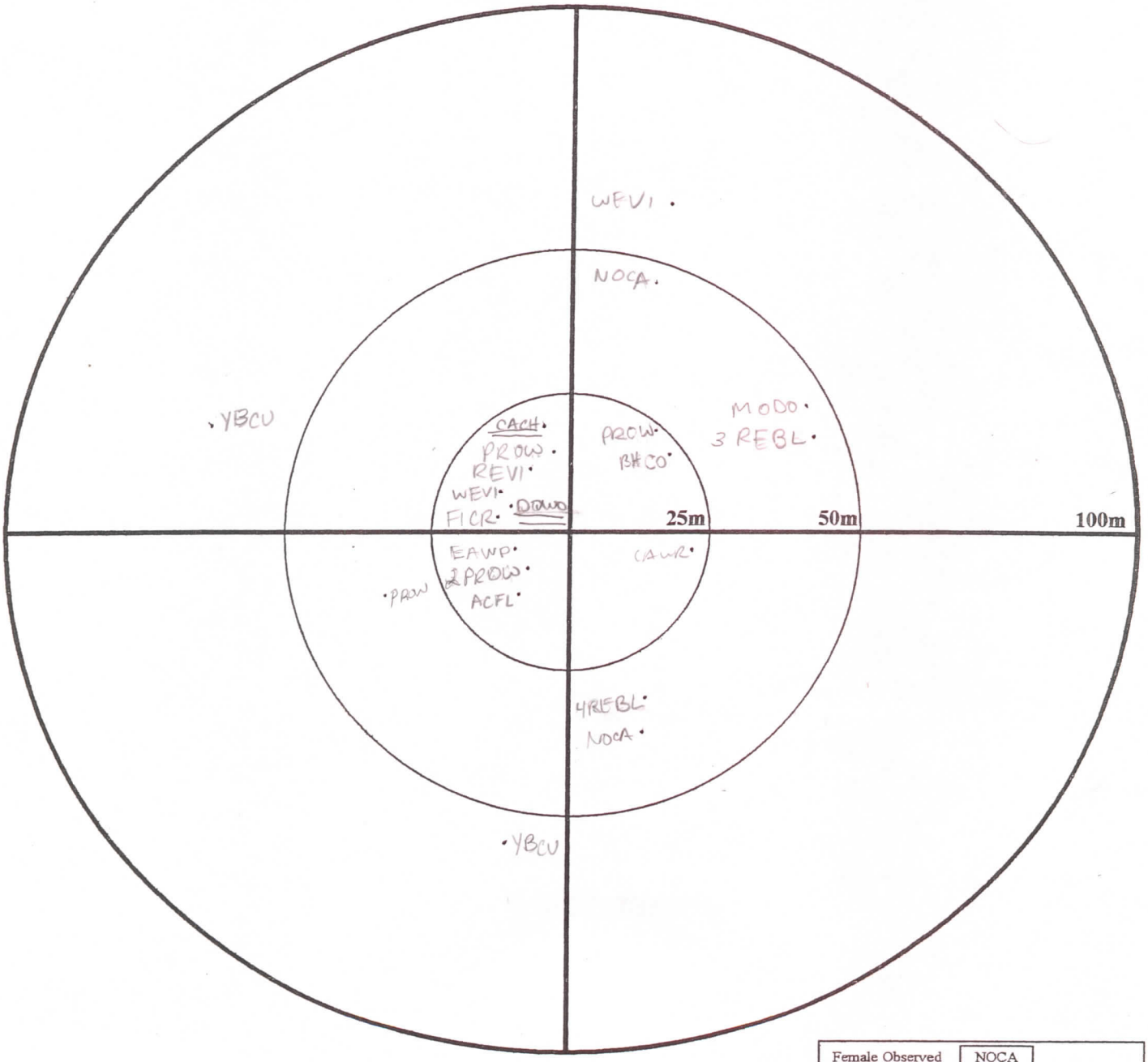
Start: End:

Point Count Field Sheet

State	Station	Unit	Compartment	Stand	Point #	Date	Observer	Time
MS	STCAT	Sibley	Sib. water		1	6-9-09	D;J	8:20

Temp °C	Wind	Sky	Habitat	Cover Type	Management Rx	Year of Harvest
75°	0-5	overcast	flood willows			UNKN

North



Female Observed	NOCA	
Male Observed	NOCA	
Pair Together, assumed mated	NOCA	
Observed, sex unknown	NOCA	0-3 minutes
	NOCA	4-5 minutes
	NOCA	6-10 minutes

N-S Coordinate:_____ **E-W Coordinate:**_____ **Zone*:**_____

(N-S=Latitude; E-W=Longitude) *Zone = 0 for lat-long (geographic); else enter a UTM Zone.

Birds Observed >100 - ≤150m:_____

Flyovers: LOSH

Comments:_____

-- LMVJV April 2006 --

Habitat Data Associated with Forest Breeding Bird Point Counts

Location Data:

Date: 6-9-09	**Crew:** D ; J			
Location: Sibley - 2	**Unit:** St. Cat	**Stand:**	**Line#:**	**Plot#:** 2
Treatment:		**Year Treatment Implemented:**		
GPS Coordinates for the Plot:	0648580 - 3468233			

Plot-level Data: ***visible area around plot***

Vines	Cane	Overstory (>30ft)	Mid-Story (10-30ft)	Understory (<10ft)
1 = None	*1 = None*	*1 = None*	*1 = None*	*1 = None*
2 = Sparse (<25%)	*2= Sparse (<25%)*	*2 = Sparse (<50%)*	*2 = Sparse (<25%)*	*2 = Sparse (<25%)*
3 = Moderate (25-50%)	*3 = Moderate (25-50%)*	*3 = Moderate (50-80%)*	*3 = Moderate (25-60%)*	*3 = Moderate (25-60%)*
4 = Heavy (>50%)	*4 = Heavy (>50%)*	*4 = Heavy (>80%)*	*4 = Heavy (>60%)*	*4 = Heavy (>60%)*

Tree Data: ***plotless area using 10-factor prism[1]***

Tree Species Codes	Tree Species	Basal Area[2] Number Stems (dbh 4 - 9.5")	Number Stems (dbh 10 - 20")	Number Stems (dbh > 20")
QUNU = Nuttall Oak	# 1 Willow			
QUNI = Water Oak				
QUPH = Willow Oak				
QULY = Overcup Oak				
QUPA = Cherrybark Oak				
QUSH = Shumard Oak				
CAIL = Sweet Pecan				
CAAQ = Bitter Pecan				
TADI = Cypress				
NYAQ = Tupelo				
ULAM = American Elm				
ULCR = Cedar Elm				
DIVI = Persimmon				
PLOC = Sycamore				
PODE = Cottonwood				
LIST = Sweetgum				
ACNE = Boxelder				
ACRU = Red Maple				
CELA = Sugarberry				
FRPE = Green Ash				
GLAQ = Water Locust				
GLTR = Honey Locust				

1. *Basal Area determined using a 10-factor prism or equivalent.*
2. *Total tally times 10 for a 10-factor prism (example: 3 trees x 10 = 30ft^2 of basal area).*

Comments:

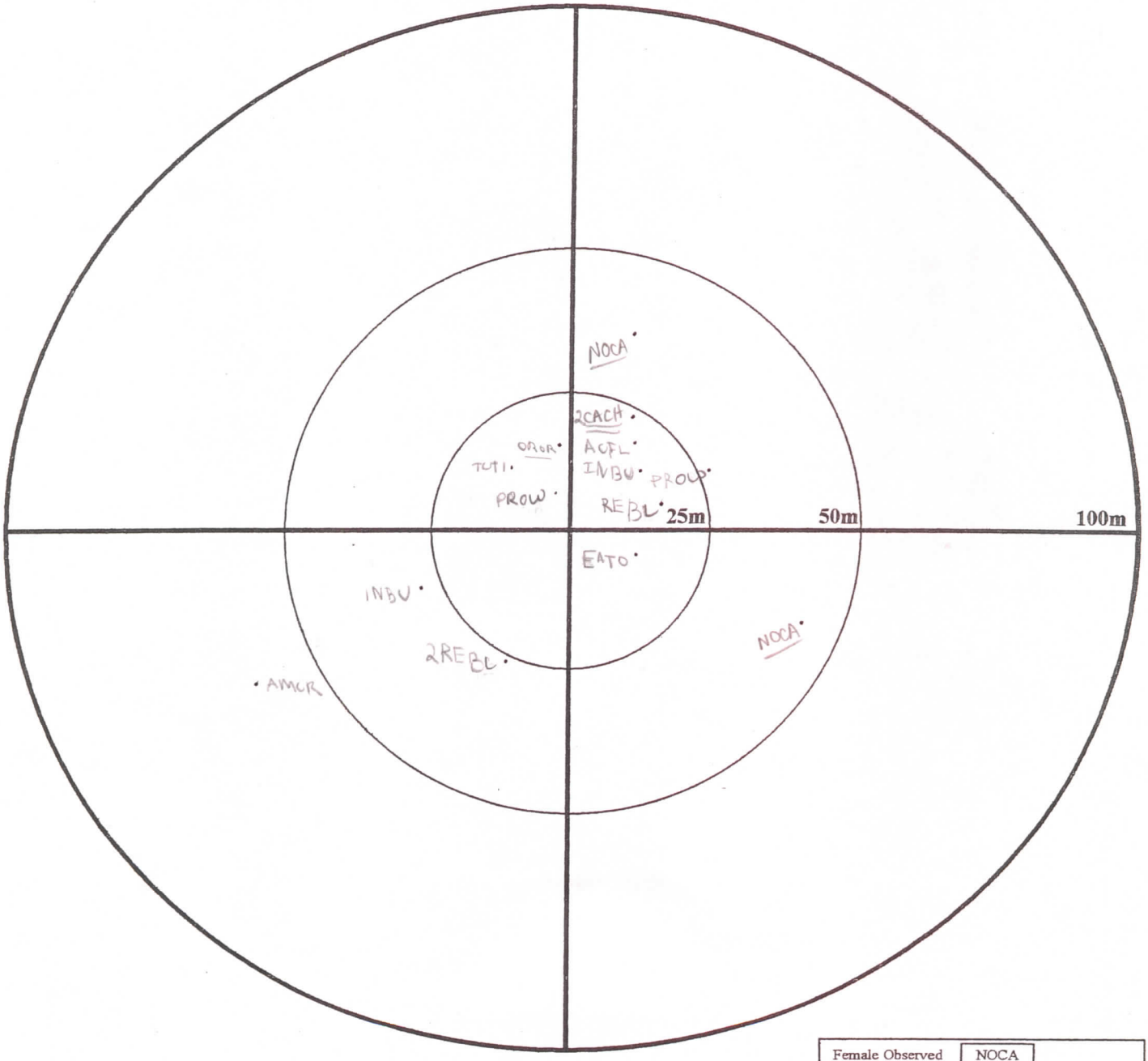
Start: End:

Point Count Field Sheet

State	Station	Unit	Compartment	Stand	Point #	Date	Observer	Time
MS	ST CAT	Sibley	Sibley Water		2	6-9-09	DJJ	8:38

Temp °C	Wind	Sky	Habitat	Cover Type	Management Rx	Year of Harvest
80°	D-5	overcast	Willow	water		UNKN

North



Female Observed	NOCA	
Male Observed	NOCA	
Pair Together, assumed mated	NOCA	
Observed, sex unknown	NOCA	0-3 minutes
	NOCA	4-5 minutes
	NOCA	6-10 minutes

N-S Coordinate:_____ **E-W Coordinate:**_____ **Zone*:**_____

(N-S=Latitude; E-W=Longitude) *Zone = 0 for lat-long (geographic); else enter a UTM Zone.

Birds Observed >100 - ≤150m:_____

Flyovers:_____

Comments:_____

-- LMVJV April 2006 --

Habitat Data Associated with Forest Breeding Bird Point Counts

Location Data:

Date: 6-9-09	**Crew:** JSD			
Location: Sibley Water 3	**Unit:** St-cat	**Stand:**	**Line#:**	**Plot#:** 3
Treatment:		**Year Treatment Implemented:**		
GPS Coordinates for the Plot:	0647826 - 3467649			

Plot-level Data: ***visible area around plot***

Vines	Cane	Overstory (>30ft)	Mid-Story (10-30ft)	Understory (<10ft)
1 = None	*1 = None*	*1 = None*	*1 = None*	*1 = None*
2 = Sparse (<25%)	*2= Sparse (<25%)*	*2 = Sparse (<50%)*	*2 = Sparse (<25%)*	*2 = Sparse (<25%)*
3 = Moderate (25-50%)	*3 = Moderate (25-50%)*	*3 = Moderate (50-80%)*	*3 = Moderate (25-60%)*	*3 = Moderate (25-60%)*
4 = Heavy (>50%)	*4 = Heavy (>50%)*	*4 = Heavy (>80%)*	*4 = Heavy (>60%)*	*4 = Heavy (>60%)*

Tree Data: ***plotless area using 10-factor prism[1]***

Tree Species Codes	Tree Species	Basal Area[2] Number Stems (dbh 4 - 9.5")	Number Stems (dbh 10 - 20")	Number Stems (dbh > 20")
QUNU = Nuttall Oak				
QUNI = Water Oak	WILLOW			
QUPH = Willow Oak				
QULY = Overcup Oak				
QUPA = Cherrybark Oak				
QUSH = Shumard Oak				
CAIL = Sweet Pecan				
CAAQ = Bitter Pecan				
TADI = Cypress				
NYAQ = Tupelo				
ULAM = American Elm				
ULCR = Cedar Elm				
DIVI = Persimmon				
PLOC = Sycamore				
PODE = Cottonwood				
LIST = Sweetgum				
ACNE = Boxelder				
ACRU = Red Maple				
CELA = Sugarberry				
FRPE = Green Ash				
GLAQ = Water Locust				
GLTR = Honey Locust				

1. *Basal Area determined using a 10-factor prism or equivalent.*
2. *Total tally times 10 for a 10-factor prism (example: 3 trees x 10 = 30ft^2 of basal area).*

Comments:

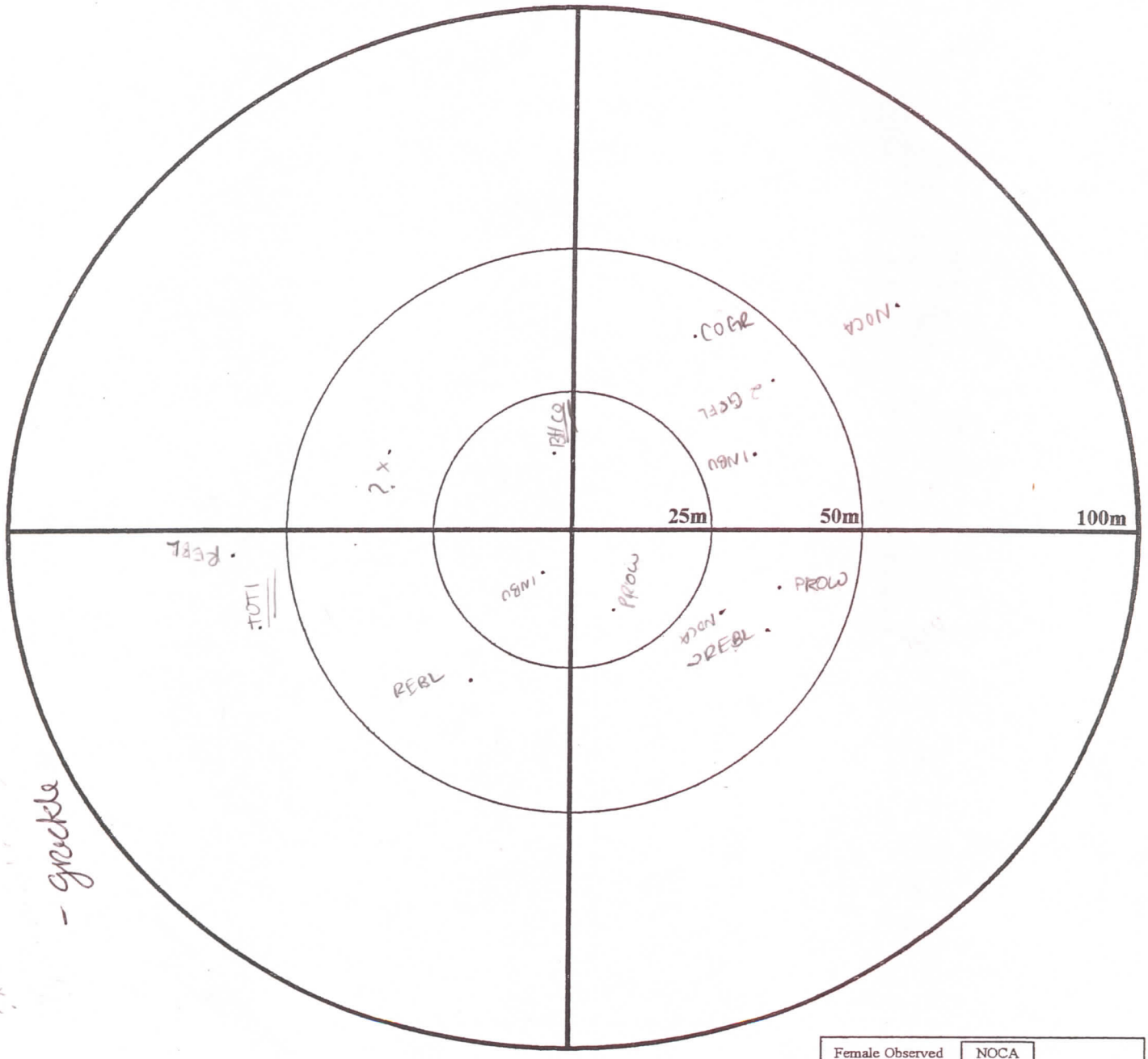
Start: End:

Point Count Field Sheet

State	Station	Unit	Compartment	Stand	Point #	Date	Observer	Time
MS		St-ca+	Sibley Water 3		3	6-9-09	D:J	8:55

Temp °C	Wind	Sky	Habitat	Cover Type	Management Rx	Year of Harvest
80	0-5	Overcast	Willow	water		unkn

North



- grackle

7x unknown trill

Female Observed	NOCA
Male Observed	NOCA
Pair Together, assumed mated	NOCA
Observed, sex unknown	NOCA 0-3 minutes
	NOCA 4-5 minutes
	NOCA 6-10 minutes

N-S Coordinate:_____ **E-W Coordinate:**_____ **Zone*:**_____

(N-S=Latitude; E-W=Longitude) *Zone = 0 for lat-long (geographic); else enter a UTM Zone.

Birds Observed >100 - ≤150m:_____

Flyovers: REBL, ORORI

Comments:_____

-- LMVJV April 2006 --

Habitat Data Associated with Forest Breeding Bird Point Counts

Location Data:

Date: 6-9-09	**Crew:** DJT			
Location: Sibleyunit4	**Unit:** Stcat	**Stand:**	**Line#:**	**Plot#:** 4
Treatment:		**Year Treatment Implemented:**		
GPS Coordinates for the Plot:	0648005 - 3466972			

Plot-level Data: ***visible area around plot***

Vines	Cane	Overstory (>30ft)	Mid-Story (10-30ft)	Understory (<10ft)
1 = None	*1 = None*	*1 = None*	*1 = None*	*1 = None*
2 = Sparse (<25%)	*2= Sparse (<25%)*	*2 = Sparse (<50%)*	*2 = Sparse (<25%)*	*2 = Sparse (<25%)*
3 = Moderate (25-50%)	*3 = Moderate (25-50%)*	*3 = Moderate (50-80%)*	*3 = Moderate (25-60%)*	*3 = Moderate (25-60%)*
4 = Heavy (>50%)	*4 = Heavy (>50%)*	*4 = Heavy (>80%)*	*4 = Heavy (>60%)*	*4 = Heavy (>60%)*

Tree Data: ***plotless area using 10-factor prism[1]***

Tree Species Codes	Tree Species	Basal Area[2] Number Stems (dbh 4 - 9.5")	Number Stems (dbh 10 - 20")	Number Stems (dbh > 20")
QUNU = Nuttall Oak	" " WILLOW			
QUNI = Water Oak				
QUPH = Willow Oak				
QULY = Overcup Oak				
QUPA = Cherrybark Oak				
QUSH = Shumard Oak				
CAIL = Sweet Pecan				
CAAQ = Bitter Pecan				
TADI = Cypress				
NYAQ = Tupelo				
ULAM = American Elm				
ULCR = Cedar Elm				
DIVI = Persimmon				
PLOC = Sycamore				
PODE = Cottonwood				
LIST = Sweetgum				
ACNE = Boxelder				
ACRU = Red Maple				
CELA = Sugarberry				
FRPE = Green Ash				
GLAQ = Water Locust				
GLTR = Honey Locust				

1. *Basal Area determined using a 10-factor prism or equivalent.*
2. *Total tally times 10 for a 10-factor prism (example: 3 trees x 10 = 30ft^2 of basal area).*

Comments:

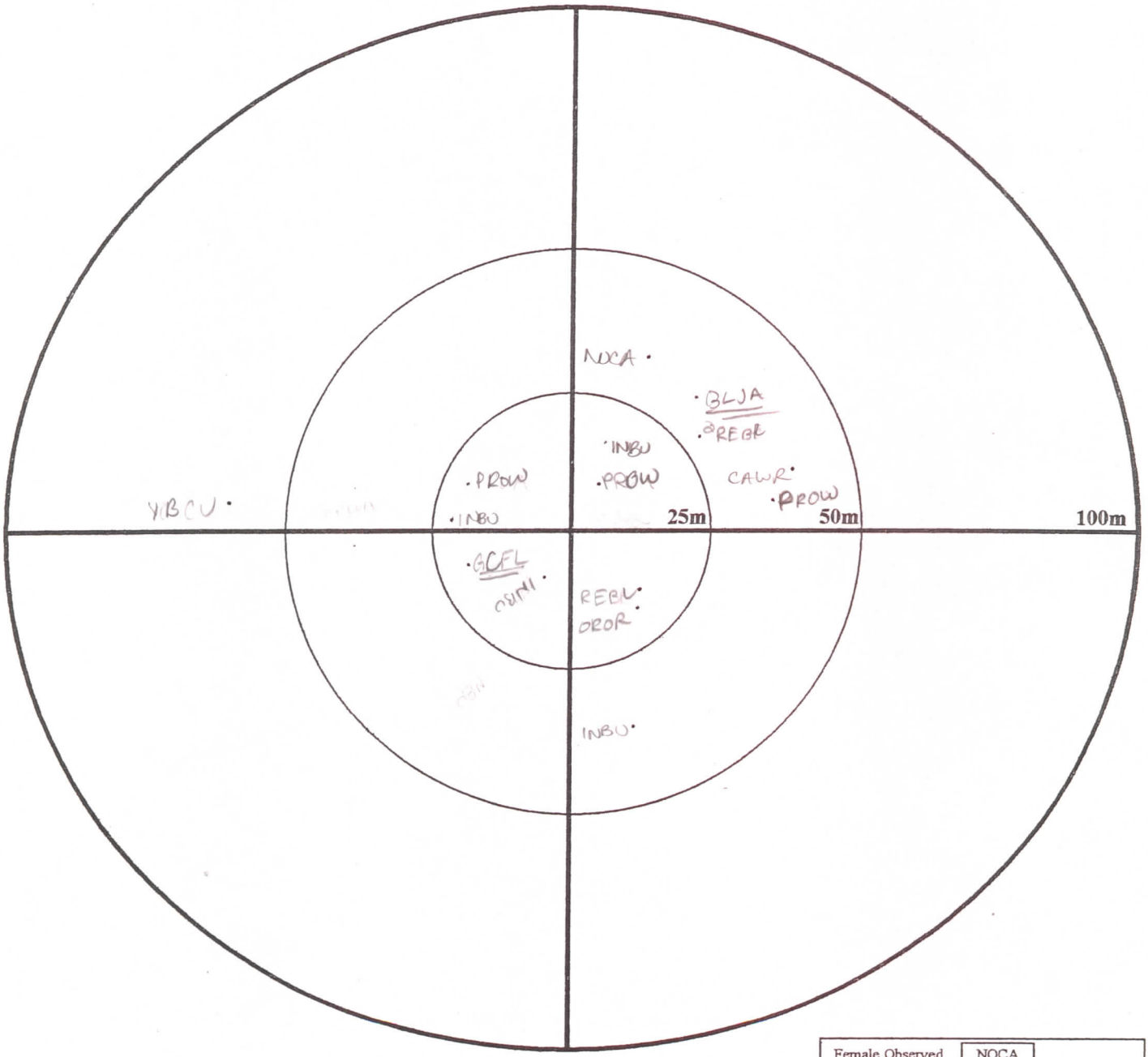
Start: End:

Point Count Field Sheet

State	Station	Unit	Compartment	Stand	Point #	Date	Observer	Time
MS	St. Cat	Sibley	Water 4		4	6-9-09	DJT	9:10

Temp °C	Wind	Sky	Habitat	Cover Type	Management Rx	Year of Harvest
80°	0-5	Cloudy	Willow	Water		unkn

North



Female Observed	NOCA	
Male Observed	NOCA	
Pair Together, assumed mated	NOCA	
Observed, sex unknown	NOCA	0-3 minutes
	NOCA	4-5 minutes
	NOCA	6-10 minutes

N-S Coordinate:_____ **E-W Coordinate:**_____ **Zone*:**_____

(N-S=Latitude; E-W=Longitude) *Zone = 0 for lat-long (geographic); else enter a UTM Zone.

Birds Observed >100 - ≤150m:_____

Flyovers:_____

Comments:_____

-- LMVJV April 2006 --

Habitat Data Associated with Forest Breeding Bird Point Counts

Location Data:

Date: 6-9-09	**Crew:** D; J			
Location: Stcat Gill	**Unit:** Stcat	**Stand:**	**Line#:**	**Plot#:** 1
Treatment:		**Year Treatment Implemented:**		
GPS Coordinates for the Plot:	0604 7718 -3466 336			

Plot-level Data: ***visible area around plot***

Vines	Cane	Overstory (>30ft)	Mid-Story (10-30ft)	Understory (<10ft)
1 = None	*1 = None*	*1 = None*	*1 = None*	*1 = None*
2 = Sparse (<25%)	*2 = Sparse (<25%)*	*2 = Sparse (<50%)*	*2 = Sparse (<25%)*	*2 = Sparse (<25%)*
3 = Moderate (25-50%)	*3 = Moderate (25-50%)*	*3 = Moderate (50-80%)*	*3 = Moderate (25-60%)*	*3 = Moderate (25-60%)*
4 = Heavy (>50%)	*4 = Heavy (>50%)*	*4 = Heavy (>80%)*	*4 = Heavy (>60%)*	*4 = Heavy (>60%)*

Tree Data: ***plotless area using 10-factor prism[1]***

Tree Species Codes	Tree Species	Basal Area[2] Number Stems (dbh 4 - 9.5")	Number Stems (dbh 10 - 20")	Number Stems (dbh > 20")
QUNU = Nuttall Oak	NYAQ	~~IIII~~ II	III	
QUNI = Water Oak	TADI		~~IIII~~ II	IIII
QUPH = Willow Oak				
QULY = Overcup Oak				
QUPA = Cherrybark Oak				
QUSH = Shumard Oak				
CAIL = Sweet Pecan				
CAAQ = Bitter Pecan				
TADI = Cypress				
NYAQ = Tupelo				
ULAM = American Elm				
ULCR = Cedar Elm				
DIVI = Persimmon				
PLOC = Sycamore				
PODE = Cottonwood				
LIST = Sweetgum				
ACNE = Boxelder				
ACRU = Red Maple				
CELA = Sugarberry				
FRPE = Green Ash				
GLAQ = Water Locust				
GLTR = Honey Locust				

1. *Basal Area determined using a 10-factor prism or equivalent.*
2. *Total tally times 10 for a 10-factor prism (example: 3 trees x 10 = 30ft^2 of basal area).*

Comments:

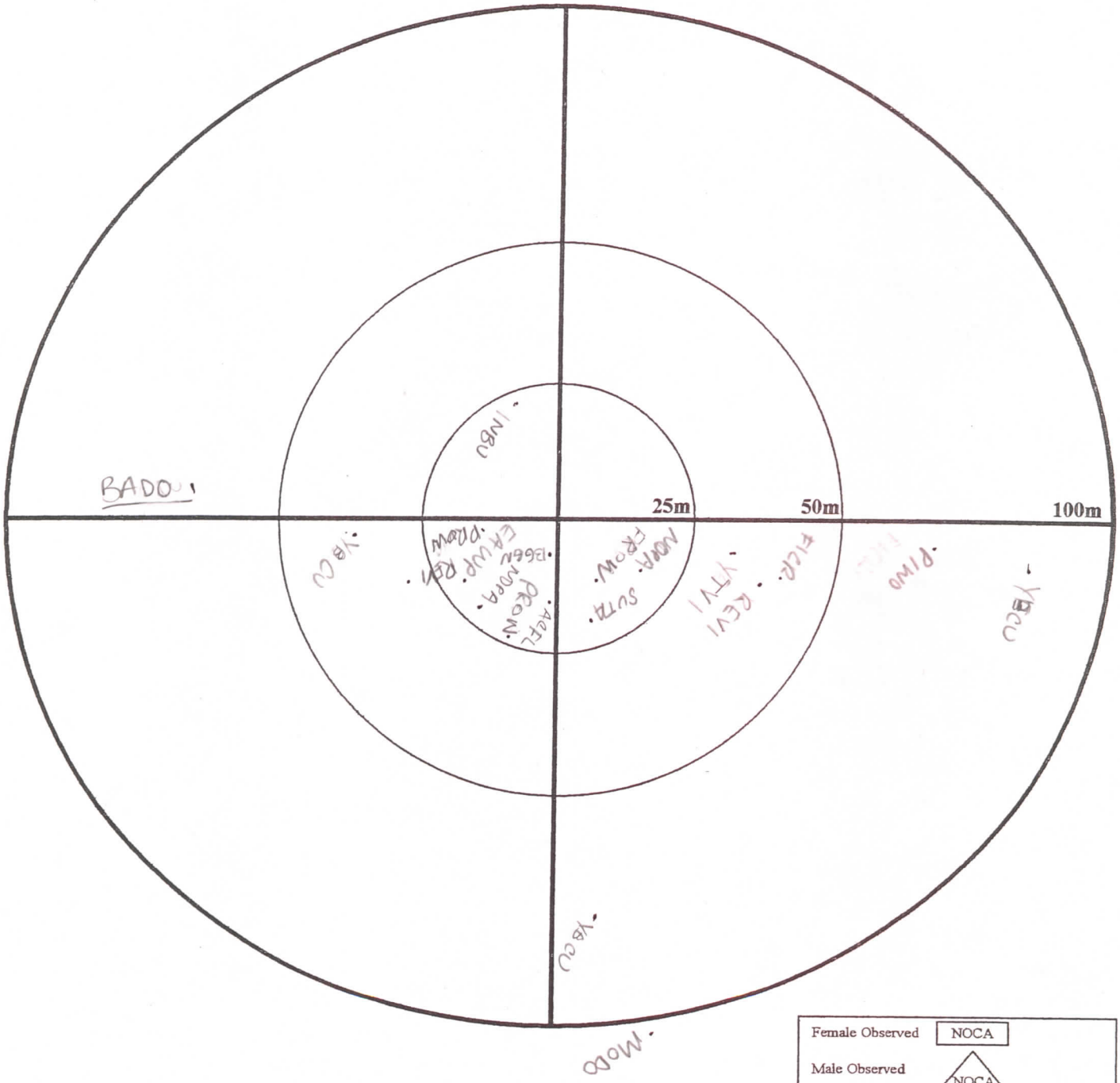
Start: End:

Point Count Field Sheet

State	Station	Unit	Compartment	Stand	Point #	Date	Observer	Time
MS		St Cat	Gill. Lake		1	6-9-09	DJ	9:27

Temp °C	Wind	Sky	Habitat	Cover Type	Management Rx	Year of Harvest
80°	0-5	cloudy	Cypress Tupelo	water		UN KN

North



Female Observed	NOCA	
Male Observed	NOCA	
Pair Together, assumed mated	NOCA	
Observed, sex unknown	NOCA	0-3 minutes
	NOCA	4-5 minutes
	NOCA	6-10 minutes

N-S Coordinate:_____ **E-W Coordinate:**_____ **Zone*:**_____

(N-S=Latitude; E-W=Longitude) *Zone = 0 for lat-long (geographic); else enter a UTM Zone.

Birds Observed >100 - ≤150m:_____

Flyovers: ANHI

Comments:_____

Habitat Data Associated with Forest Breeding Bird Point Counts

Location Data:

Date: 6-9-09	**Crew:** DJ			
Location: Gilliard 2	**Unit:** St. Cat	**Stand:**	**Line#:**	**Plot#:** 2
Treatment:		**Year Treatment Implemented:**		
GPS Coordinates for the Plot:	0647228 3466238			

Plot-level Data: ***visible area around plot***

Vines	Cane	Overstory (>30ft)	Mid-Story (10-30ft)	Understory (<10ft)
(1) = None 2 = Sparse (<25%) 3 = Moderate (25-50%) 4 = Heavy (>50%)	(1) = None 2 = Sparse (<25%) 3 = Moderate (25-50%) 4 = Heavy (>50%)	1 = None 2 = Sparse (<50%) (3) = Moderate (50-80%) 4 = Heavy (>80%)	1 = None (2) = Sparse (<25%) 3 = Moderate (25-60%) 4 = Heavy (>60%)	1 = None (2) = Sparse (<25%) 3 = Moderate (25-60%) 4 = Heavy (>60%)

Tree Data: ***plotless area using 10-factor prism[1]***

Tree Species Codes	Tree Species	Basal Area[2] Number Stems (dbh 4 - 9.5")	Basal Area[2] Number Stems (dbh 10 - 20")	Basal Area[2] Number Stems (dbh > 20")
QUNU = Nuttall Oak	TADI		~~HH~~ II	IIII
QUNI = Water Oak	NYAQ	IIII		
QUPH = Willow Oak	SNAG		I	
QULY = Overcup Oak				
QUPA = Cherrybark Oak				
QUSH = Shumard Oak				
CAIL = Sweet Pecan				
CAAQ = Bitter Pecan				
TADI = Cypress				
NYAQ = Tupelo				
ULAM = American Elm				
ULCR = Cedar Elm				
DIVI = Persimmon				
PLOC = Sycamore				
PODE = Cottonwood				
LIST = Sweetgum				
ACNE = Boxelder				
ACRU = Red Maple				
CELA = Sugarberry				
FRPE = Green Ash				
GLAQ = Water Locust				
GLTR = Honey Locust				

1. *Basal Area determined using a 10-factor prism or equivalent.*
2. *Total tally times 10 for a 10-factor prism (example: 3 trees x 10 = 30ft^2 of basal area).*

Comments:

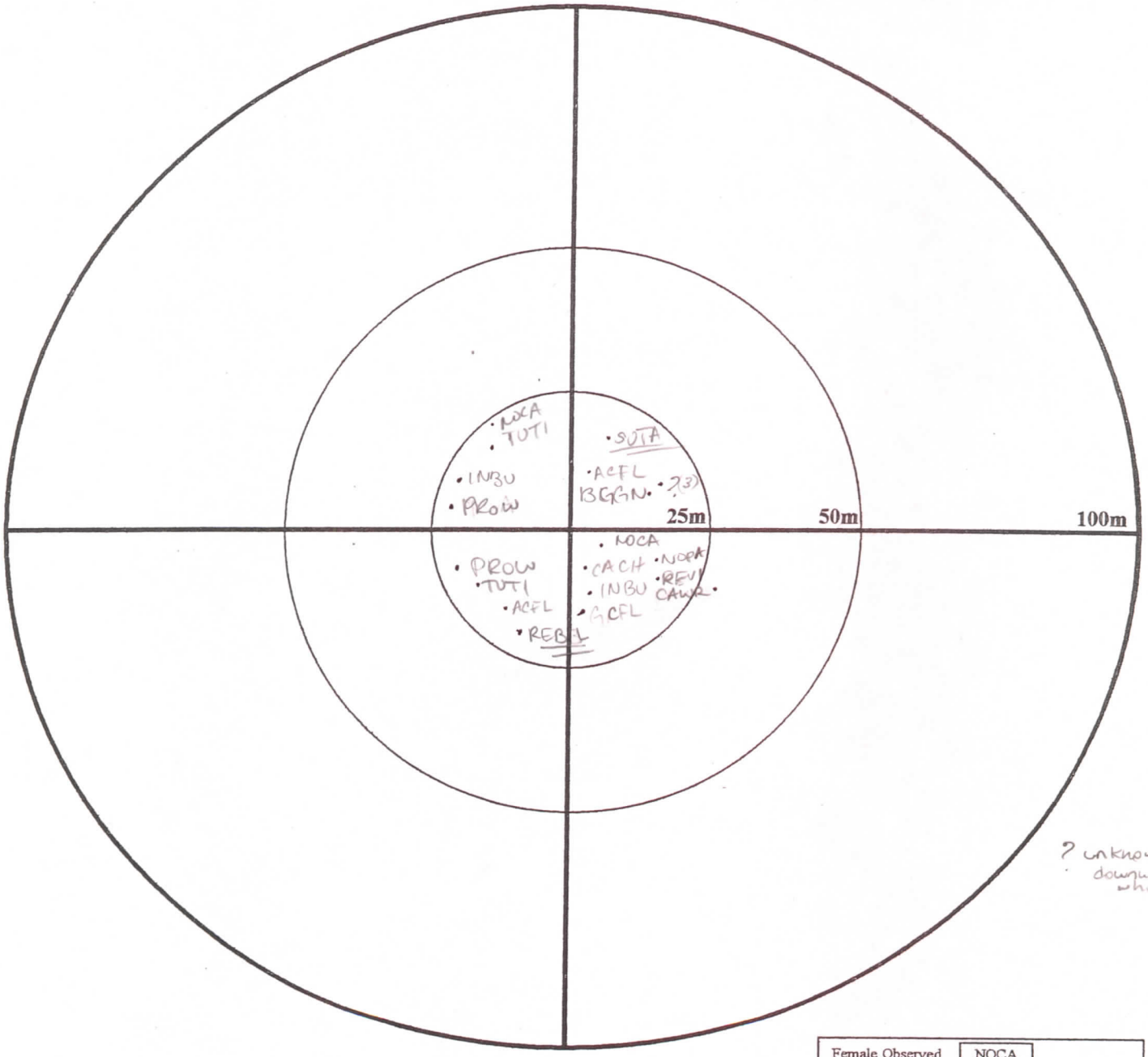
Start: End:

Point Count Field Sheet

State	Station	Unit	Compartment	Stand	Point #	Date	Observer	Time
MS		St. Cat	Gill Lake 2		2	6-9-09	DJJ	9:45

Temp °C	Wind	Sky	Habitat	Cover Type	Management Rx	Year of Harvest
80°	0-5	Cloudy	Cypress Tupelo	Water		UKN

North



? unknown downward white

Female Observed	NOCA	
Male Observed	NOCA	
Pair Together, assumed mated	NOCA	
Observed, sex unknown	NOCA	0-3 minutes
	NOCA	4-5 minutes
	NOCA	6-10 minutes

N-S Coordinate:_____ **E-W Coordinate:**_____ **Zone*:**_____

(N-S=Latitude; E-W=Longitude) *Zone = 0 for lat-long (geographic); else enter a UTM Zone.

Birds Observed >100 - ≤150m:_____

Flyovers: BADO, RBWO, REBL

Comments:_____

Habitat Data Associated with Forest Breeding Bird Point Counts

Location Data:

Date: 6.10.09	**Crew:** D. Kurz & Suzette		**Plot#:** 124
Location: SC-124	**Unit:** St. Cat	**Stand:**	**Line#:**
Treatment: Flooded		**Year Treatment Implemented:**	
GPS Coordinates for the Plot:	0648304 - 3469847		

Plot-level Data: ***visible area around plot***

Vines	Cane	Overstory (>30ft)	Mid-Story (10-30ft)	Understory (<10ft)
(1) = None 2 = Sparse (<25%) 3 = Moderate (25-50%) 4 = Heavy (>50%)	(1) = None 2 = Sparse (<25%) 3 = Moderate (25-50%) 4 = Heavy (>50%)	1 = None (2) = Sparse (<50%) 3 = Moderate (50-80%) 4 = Heavy (>80%)	1 = None 2 = Sparse (<25%) (3) = Moderate (25-60%) 4 = Heavy (>60%)	(1) = None 2 = Sparse (<25%) 3 = Moderate (25-60%) 4 = Heavy (>60%)

Tree Data: ***plotless area using 10-factor prism***[1]

Tree Species	Number Stems (dbh 4 - 9.5")	Basal Area[2] Number Stems (dbh 10 - 20")	Number Stems (dbh > 20")
TADI	III	~~IIII~~ II	I
SNAG	III	I	
NYAQ			

Tree Species Codes

QUNU = Nuttall Oak
QUNI = Water Oak
QUPH = Willow Oak
QULY = Overcup Oak
QUPA = Cherrybark Oak
QUSH = Shumard Oak

CAIL = Sweet Pecan
CAAQ = Bitter Pecan

TADI = Cypress
NYAQ = Tupelo

ULAM = American Elm
ULCR = Cedar Elm

DIVI = Persimmon

PLOC = Sycamore
PODE = Cottonwood
LIST = Sweetgum

ACNE = Boxelder
ACRU = Red Maple

CELA = Sugarberry

FRPE = Green Ash

GLAQ = Water Locust
GLTR = Honey Locust

1. *Basal Area determined using a 10-factor prism or equivalent.*
2. *Total tally times 10 for a 10-factor prism (example: 3 trees x 10 = 30ft² of*

Comments: SC# 124 would be in open water (140

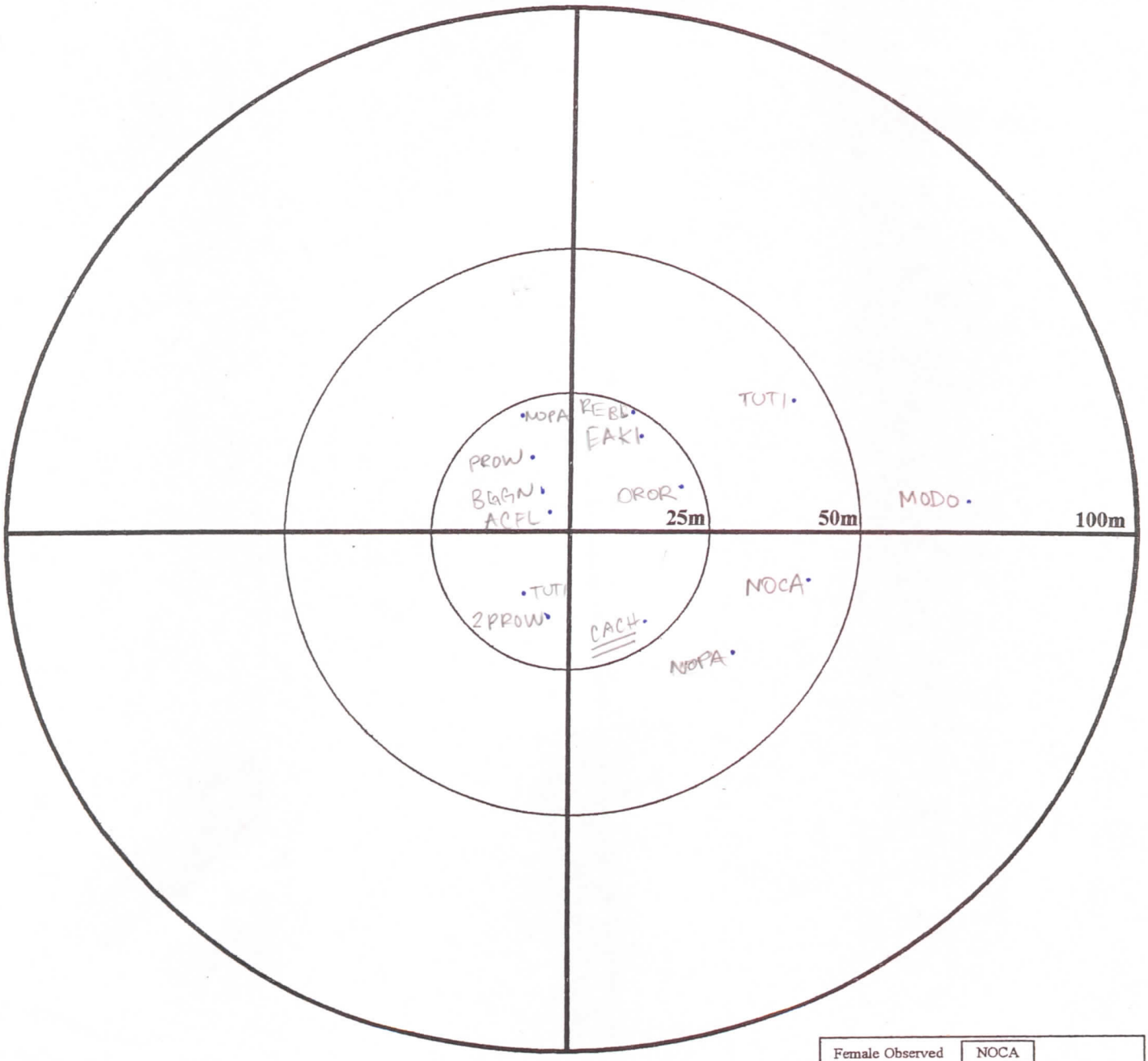
Start: End:

Point Count Field Sheet

State	Station	Unit	Compartment	Stand	Point #	Date	Observer	Time
MS		St. Cat			124	1009	D	6:57

Temp °C	Wind	Sky	Habitat	Cover Type	Management Rx	Year of Harvest
75°	0-5	Slightly overcast	water	Cypress		UNKN

North



Female Observed	NOCA	
Male Observed	NOCA	
Pair Together, assumed mated	NOCA	
Observed, sex unknown	NOCA	0-3 minutes
	NOCA	4-5 minutes
	NOCA	6-10 minutes

N-S Coordinate:_____ **E-W Coordinate:**_____ **Zone*:**_____

(N-S=Latitude; E-W=Longitude) *Zone = 0 for lat-long (geographic); else enter a UTM Zone.

Birds Observed >100 - ≤150m:_____

Flyovers:_____

Comments:_____

-- LMVJV April 2006 --

Habitat Data Associated with Forest Breeding Bird Point Counts

Location Data:

Date: 6-10-09	**Crew:** D K S			
Location: SC-85	**Unit:** St. Cat	**Stand:**	**Line#:**	**Plot#:** 85
Treatment:		**Year Treatment Implemented:**		
GPS Coordinates for the Plot:	0647512-3470513			

Plot-level Data: *visible area around plot*

Vines	Cane	Overstory (>30ft)	Mid-Story (10-30ft)	Understory (<10ft)
1 = None	*1 = None*	*1 = None*	*1 = None*	*1 = None*
2 = Sparse (<25%)	*2= Sparse (<25%)*	*2 = Sparse (<50%)*	*2 = Sparse (<25%)*	*2 = Sparse (<25%)*
3 = Moderate (25-50%)	*3 = Moderate (25-50%)*	*3 = Moderate (50-80%)*	*3 = Moderate (25-60%)*	*3 = Moderate (25-60%)*
4 = Heavy (>50%)	*4 = Heavy (>50%)*	*4 = Heavy (>80%)*	*4 = Heavy (>60%)*	*4 = Heavy (>60%)*

Tree Data: *plotless area using 10-factor prism*[1]

Tree Species Codes	Tree Species	Basal Area[2] Number Stems (dbh 4 - 9.5")	Number Stems (dbh 10 - 20")	Number Stems (dbh > 20")
QUNU = Nuttall Oak				
QUNI = Water Oak	Willow			
QUPH = Willow Oak				
QULY = Overcup Oak				
QUPA = Cherrybark Oak				
QUSH = Shumard Oak				
CAIL = Sweet Pecan				
CAAQ = Bitter Pecan				
TADI = Cypress				
NYAQ = Tupelo				
ULAM = American Elm				
ULCR = Cedar Elm				
DIVI = Persimmon				
PLOC = Sycamore				
PODE = Cottonwood				
LIST = Sweetgum				
ACNE = Boxelder				
ACRU = Red Maple				
CELA = Sugarberry				
FRPE = Green Ash				
GLAQ = Water Locust				
GLTR = Honey Locust				

1. *Basal Area determined using a 10-factor prism or equivalent.*
2. *Total tally times 10 for a 10-factor prism (example: 3 trees x 10 = 30ft^2 of basal area).*

Comments:

Willows

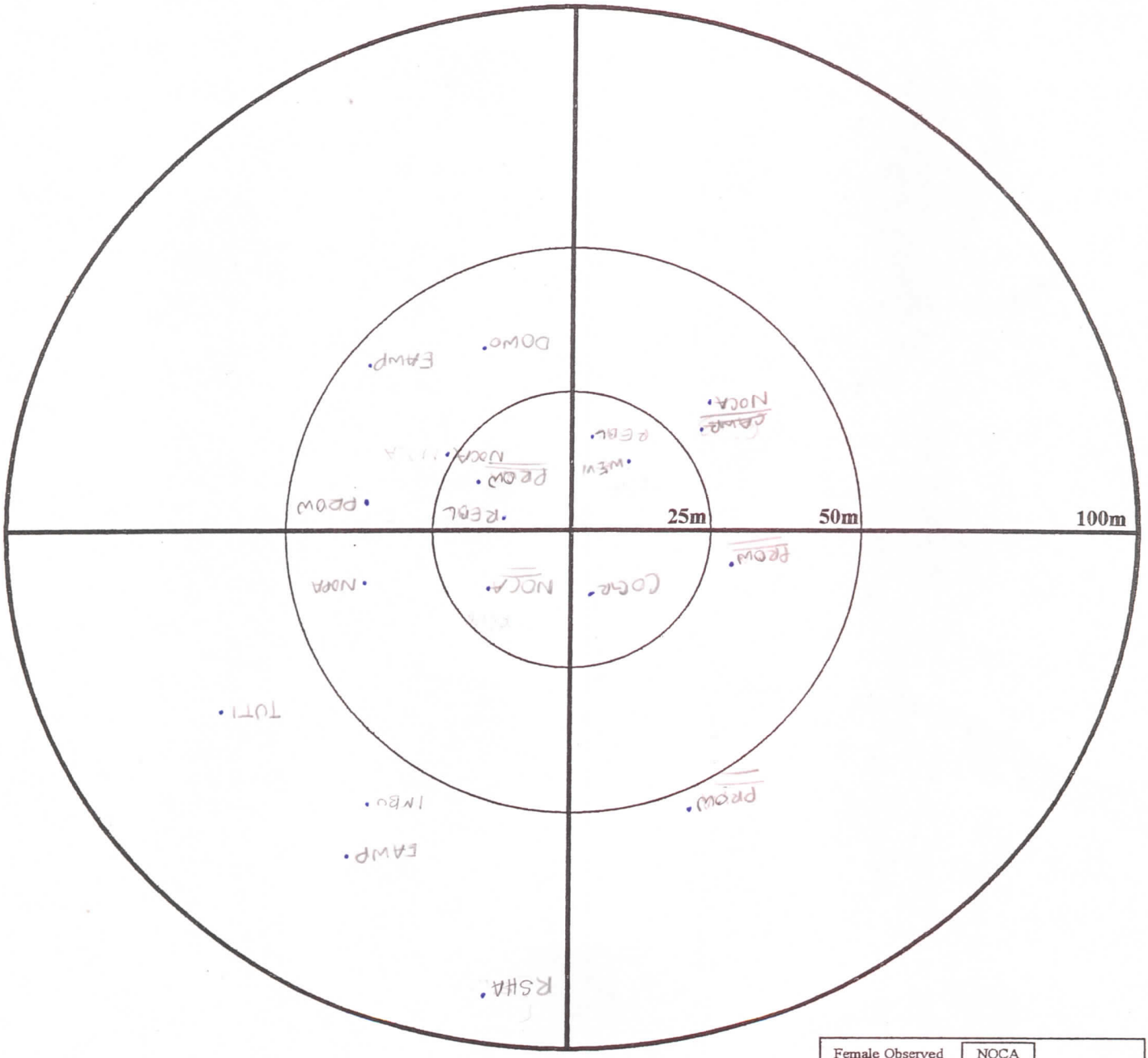
Start: End:

Point Count Field Sheet

State	Station	Unit	Compartment	Stand	Point #	Date	Observer	Time
MS		Stcat	Impoundment 1		85	6-10-09	D	7:22

Temp °C	Wind	Sky	Habitat	Cover Type	Management Rx	Year of Harvest
80°	0-5	Slight overcast	Willow			UNKN

North



Female Observed	NOCA
Male Observed	NOCA
Pair Together, assumed mated	NOCA
Observed, sex unknown	NOCA 0-3 minutes
	NOCA 4-5 minutes
	NOCA 6-10 minutes

N-S Coordinate:_____ **E-W Coordinate:**_____ **Zone*:**_____

(N-S=Latitude; E-W=Longitude) *Zone = 0 for lat-long (geographic); else enter a UTM Zone.

Birds Observed >100 - ≤150m:_____

Flyovers:_____

Comments:_____

-- LMVJV April 2006 --

Habitat Data Associated with Forest Breeding Bird Point Counts

Location Data:

Date: 6-10-09	**Crew:** D K S			
Location: SC-72	**Unit:** St. cat	**Stand:**	**Line#:**	**Plot#:** 72
Treatment:		**Year Treatment Implemented:**		
GPS Coordinates for the Plot:	0647524 - 3470799			

Plot-level Data: ***visible area around plot***

Vines	Cane	Overstory (>30ft)	Mid-Story (10-30ft)	Understory (<10ft)
1 = None	*1 = None*	*1 = None*	*1 = None*	*1 = None*
2 = Sparse (<25%)	*2= Sparse (<25%)*	*2 = Sparse (<50%)*	*2 = Sparse (<25%)*	*2 = Sparse (<25%)*
3 = Moderate (25-50%)	*3 = Moderate (25-50%)*	*3 = Moderate (50-80%)*	*3 = Moderate (25-60%)*	*3 = Moderate (25-60%)*
4 = Heavy (>50%)	*4 = Heavy (>50%)*	*4 = Heavy (>80%)*	*4 = Heavy (>60%)*	*4 = Heavy (>60%)*

Tree Data: ***plotless area using 10-factor prism[1]***

Tree Species Codes	Tree Species	Basal Area[2] Number Stems (dbh 4 - 9.5")	Number Stems (dbh 10 - 20")	Number Stems (dbh > 20")
QUNU = Nuttall Oak				
QUNI = Water Oak	Willows			
QUPH = Willow Oak				
QULY = Overcup Oak				
QUPA = Cherrybark Oak				
QUSH = Shumard Oak				
CAIL = Sweet Pecan				
CAAQ = Bitter Pecan				
TADI = Cypress				
NYAQ = Tupelo				
ULAM = American Elm				
ULCR = Cedar Elm				
DIVI = Persimmon				
PLOC = Sycamore				
PODE = Cottonwood				
LIST = Sweetgum				
ACNE = Boxelder				
ACRU = Red Maple				
CELA = Sugarberry				
FRPE = Green Ash				
GLAQ = Water Locust				
GLTR = Honey Locust				

1. *Basal Area determined using a 10-factor prism or equivalent.*
2. *Total tally times 10 for a 10-factor prism (example: 3 trees x 10 = 30ft^2 of basal area).*

Comments: Willows

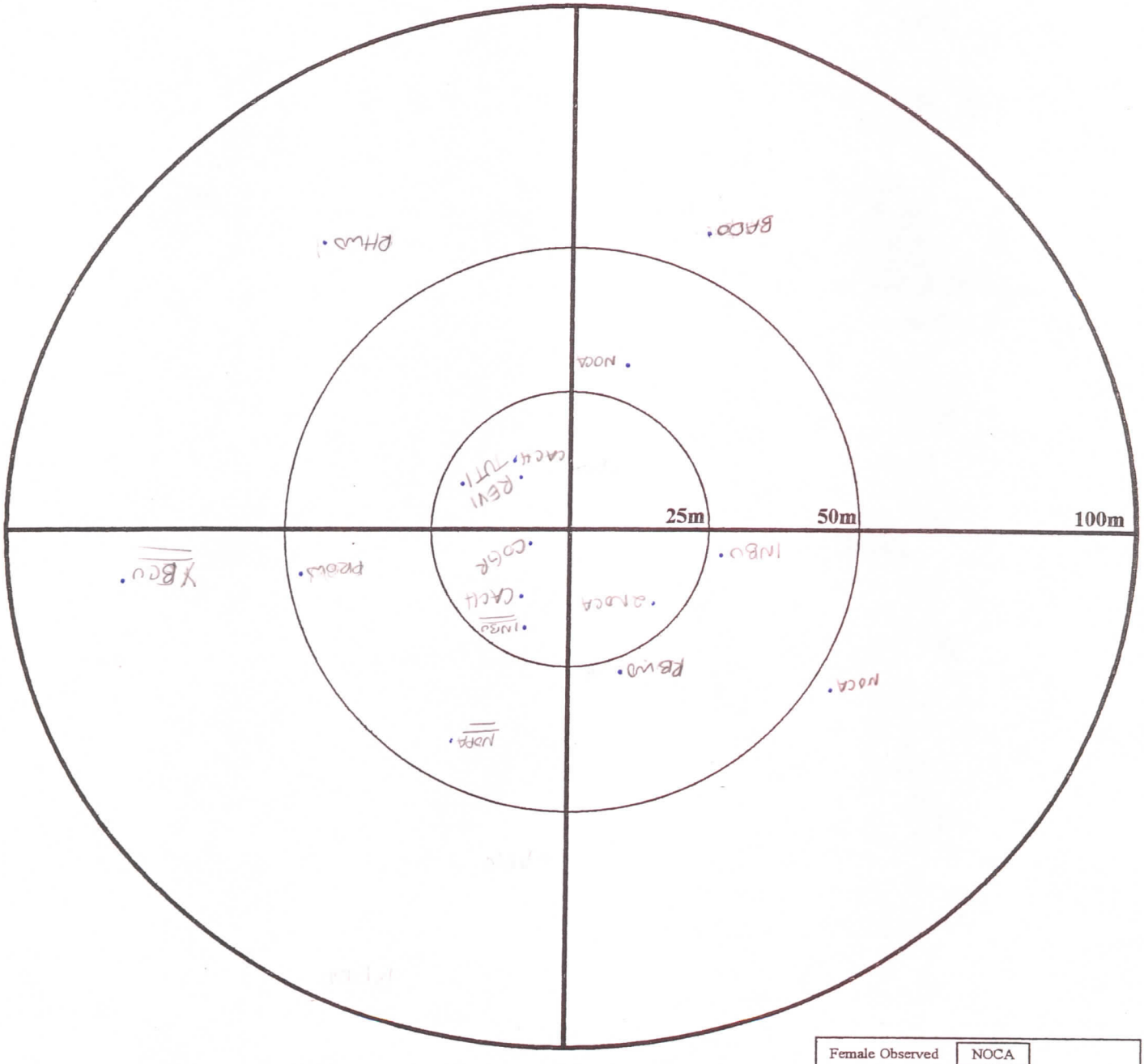
Start: End:

Point Count Field Sheet

State	Station	Unit	Compartment	Stand	Point #	Date	Observer	Time
MS		St. Cat	Impondment		72	6-10-09	D	7:39

Temp °C	Wind	Sky	Habitat	Cover Type	Management Rx	Year of Harvest
80°	0-5	Overcast	Water	Willow		UNKN

North



Female Observed	NOCA	
Male Observed	NOCA	
Pair Together, assumed mated	NOCA	
Observed, sex unknown	NOCA	0-3 minutes
	NOCA	4-5 minutes
	NOCA	6-10 minutes

N-S Coordinate:_____ **E-W Coordinate:**_____ **Zone*:**_____

(N-S=Latitude; E-W=Longitude) *Zone = 0 for lat-long (geographic); else enter a UTM Zone.

Birds Observed >100 - ≤150m:_____

Flyovers: EBHE.

Comments:_____

-- LMVJV April 2006 --

Habitat Data Associated with Forest Breeding Bird Point Counts

Location Data:

Date: 6-10-09	**Crew:** DKS			
Location: SCC Gadwall	**Unit:** Stret	**Stand:**	**Line#:**	**Plot#:** 1
Treatment:		**Year Treatment Implemented:**		
GPS Coordinates for the Plot: 1064 5838 - 3470041				

Plot-level Data: ***visible area around plot***

Vines	Cane	Overstory (>30ft)	Mid-Story (10-30ft)	Understory (<10ft)
1 = None *2 = Sparse (<25%)* *3 = Moderate (25-50%)* *4 = Heavy (>50%)*	*1 = None* *2= Sparse (<25%)* *3 = Moderate (25-50%)* *4 = Heavy (>50%)*	*1 = None* *2 = Sparse (<50%)* *3 = Moderate (50-80%)* *4 = Heavy (>80%)*	*1 = None* *2 = Sparse (<25%)* *3 = Moderate (25-60%)* *4 = Heavy (>60%)*	*1 = None* *2 = Sparse (<25%)* *3 = Moderate (25-60%)* *4 = Heavy (>60%)*

Tree Data: ***plotless area using 10-factor prism[1]***

Tree Species Codes	Tree Species	Basal Area[2] Number Stems (dbh 4 - 9.5")	Number Stems (dbh 10 - 20")	Number Stems (dbh > 20")
QUNU = Nuttall Oak				
QUNI = Water Oak				
QUPH = Willow Oak	Willows			
QULY = Overcup Oak				
QUPA = Cherrybark Oak				
QUSH = Shumard Oak				
CAIL = Sweet Pecan				
CAAQ = Bitter Pecan				
TADI = Cypress				
NYAQ = Tupelo				
ULAM = American Elm				
ULCR = Cedar Elm				
DIVI = Persimmon				
PLOC = Sycamore				
PODE = Cottonwood				
LIST = Sweetgum				
ACNE = Boxelder				
ACRU = Red Maple				
CELA = Sugarberry				
FRPE = Green Ash				
GLAQ = Water Locust				
GLTR = Honey Locust				

1. *Basal Area determined using a 10-factor prism or equivalent.*
2. *Total tally times 10 for a 10-factor prism (example: 3 trees x 10 = 30ft^2 of basal area).*

Comments: Willow

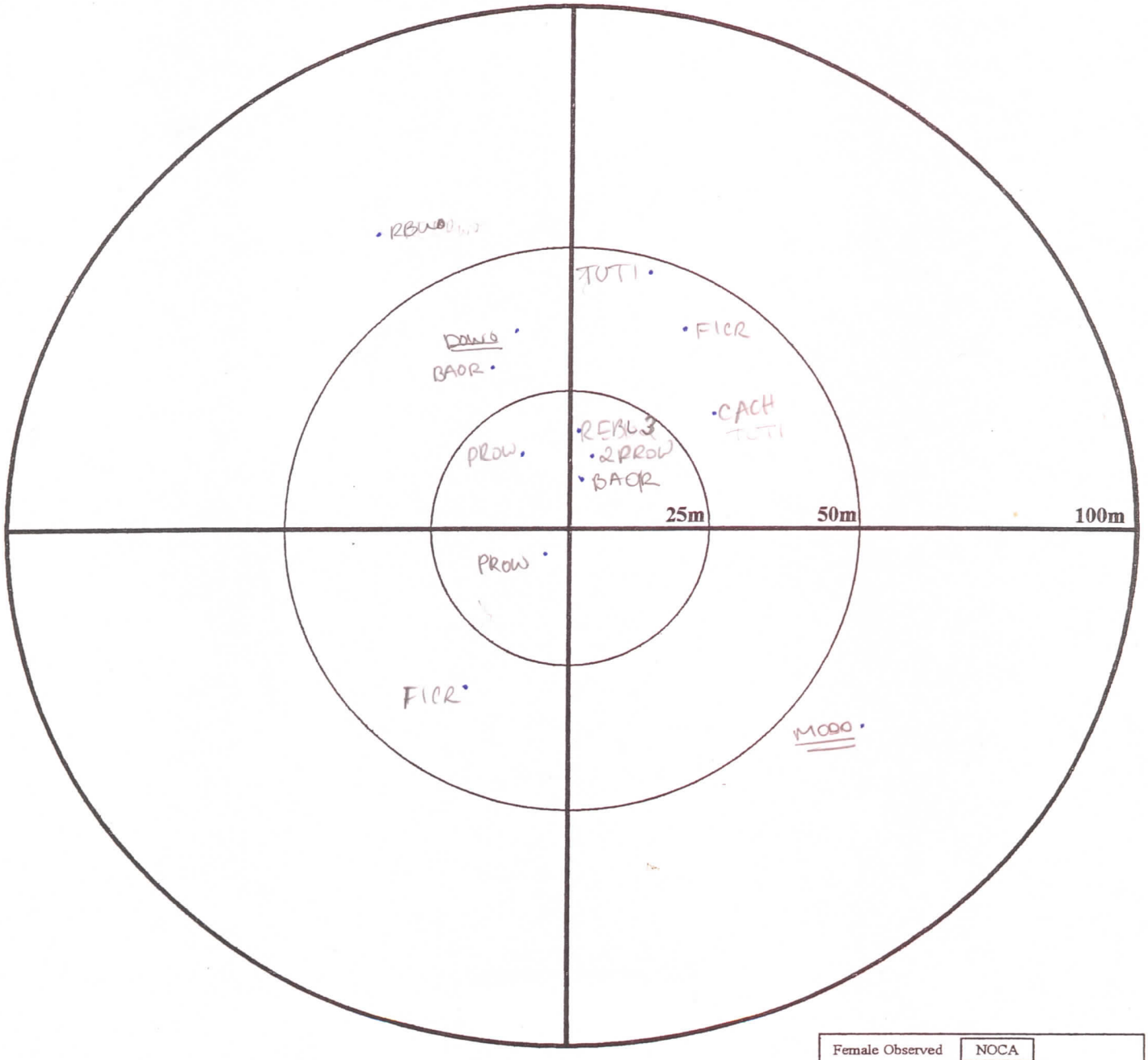
Start: End:

Point Count Field Sheet

State	Station	Unit	Compartment	Stand	Point #	Date	Observer	Time
MS		Stat	Gadwall atV	north	1	6-10-09	D	8:11

Temp °C	Wind	Sky	Habitat	Cover Type	Management Rx	Year of Harvest
80°	0-5	Cloudy	water	willow		UNKN

North



Female Observed	NOCA	
Male Observed	NOCA	
Pair Together, assumed mated	NOCA	
Observed, sex unknown	NOCA	0-3 minutes
	NOCA	4-5 minutes
	NOCA	6-10 minutes

N-S Coordinate:_____ **E-W Coordinate:**_____ **Zone*:**_____

(N-S=Latitude; E-W=Longitude) *Zone = 0 for lat-long (geographic); else enter a UTM Zone.

Birds Observed >100 - ≤150m:_____

Flyovers: 2 BAOR, GBHE

Comments:_____

Habitat Data Associated with Forest Breeding Bird Point Counts

Location Data:

Date: 6-10-09	**Crew:** DKS			
Location: SCCgardwell 2	**Unit:** St.Ca1	**Stand:**	**Line#:**	**Plot#:** 2
Treatment:		**Year Treatment Implemented:**		
GPS Coordinates for the Plot:	0645975-3469582			

Plot-level Data: ***visible area around plot***

Vines	Cane	Overstory (>30ft)	Mid-Story (10-30ft)	Understory (<10ft)
1 = None *2 = Sparse (<25%)* *3 = Moderate (25-50%)* *4 = Heavy (>50%)*	*1 = None* *2= Sparse (<25%)* *3 = Moderate (25-50%)* *4 = Heavy (>50%)*	*1 = None* *2 = Sparse (<50%)* *3 = Moderate (50-80%)* *4 = Heavy (>80%)*	*1 = None* *2 = Sparse (<25%)* *3 = Moderate (25-60%)* *4 = Heavy (>60%)*	*1 = None* *2 = Sparse (<25%)* *3 = Moderate (25-60%)* *4 = Heavy (>60%)*

Tree Data: ***plotless area using 10-factor prism[1]***

Tree Species Codes	Tree Species	Basal Area[2] Number Stems (dbh 4 - 9.5")	Number Stems (dbh 10 - 20")	Number Stems (dbh > 20")
QUNU = Nuttall Oak				
QUNI = Water Oak				
QUPH = Willow Oak	Willows			
QULY = Overcup Oak				
QUPA = Cherrybark Oak				
QUSH = Shumard Oak				
CAIL = Sweet Pecan				
CAAQ = Bitter Pecan				
TADI = Cypress				
NYAQ = Tupelo				
ULAM = American Elm				
ULCR = Cedar Elm				
DIVI = Persimmon				
PLOC = Sycamore				
PODE = Cottonwood				
LIST = Sweetgum				
ACNE = Boxelder				
ACRU = Red Maple				
CELA = Sugarberry				
FRPE = Green Ash				
GLAQ = Water Locust				
GLTR = Honey Locust				

1. *Basal Area determined using a 10-factor prism or equivalent.*
2. *Total tally times 10 for a 10-factor prism (example: 3 trees x 10 = 30ft^2 of basal area).*

Comments: willow

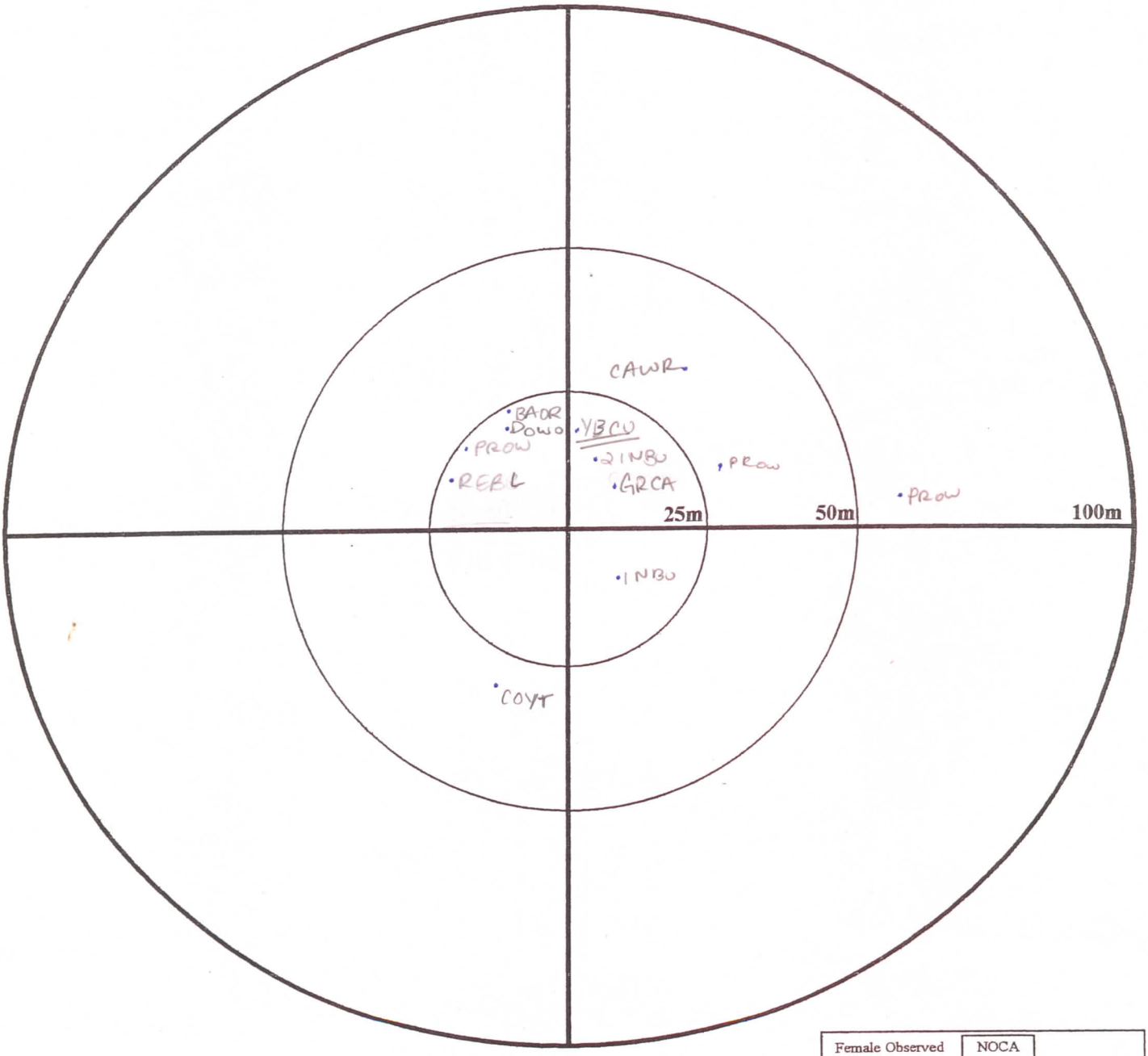
Start: End:

Point Count Field Sheet

State	Station	Unit	Compartment	Stand	Point #	Date	Observer	Time
MS		Stcat	Gadwall	ATV	2	6-10-09	D	8:30

Temp °C	Wind	Sky	Habitat	Cover Type	Management Rx	Year of Harvest
80°-85	S-10	cloudy	water	willow		UNKN

North



Female Observed	NOCA	
Male Observed	NOCA	
Pair Together, assumed mated	NOCA	
Observed, sex unknown	NOCA	0-3 minutes
	NOCA	4-5 minutes
	NOCA	6-10 minutes

N-S Coordinate:_____ **E-W Coordinate:**_____ **Zone*:**_____

(N-S=Latitude; E-W=Longitude) *Zone = 0 for lat-long (geographic); else enter a UTM Zone.

Birds Observed >100 - ≤150m:_____

Flyovers:_____

Comments:_____

-- LMVJV April 2006 --

Habitat Data Associated with Forest Breeding Bird Point Counts

Location Data:

Date: 6-10-09	**Crew:** D KS			
Location: SCC yard 3	**Unit:** St. Cat	**Stand:**	**Line#:**	**Plot#:** 3
Treatment:		**Year Treatment Implemented:**		
GPS Coordinates for the Plot:	0645861 - 3468246			

Plot-level Data: ***visible area around plot***

Vines	Cane	Overstory (>30ft)	Mid-Story (10-30ft)	Understory (<10ft)
1 = None	*1 = None*	*1 = None*	*1 = None*	*1 = None*
2 = Sparse (<25%)	*2= Sparse (<25%)*	*2 = Sparse (<50%)*	*2 = Sparse (<25%)*	*2 = Sparse (<25%)*
3 = Moderate (25-50%)	*3 = Moderate (25-50%)*	*3 = Moderate (50-80%)*	*3 = Moderate (25-60%)*	*3 = Moderate (25-60%)*
4 = Heavy (>50%)	*4 = Heavy (>50%)*	*4 = Heavy (>80%)*	*4 = Heavy (>60%)*	*4 = Heavy (>60%)*

Tree Data: ***plotless area using 10-factor prism[1]***

Tree Species Codes	Tree Species	Basal Area[2] Number Stems (dbh 4 - 9.5")	Number Stems (dbh 10 - 20")	Number Stems (dbh > 20")
QUNU = Nuttall Oak				
QUNI = Water Oak	Willows			
QUPH = Willow Oak				
QULY = Overcup Oak				
QUPA = Cherrybark Oak				
QUSH = Shumard Oak				
CAIL = Sweet Pecan				
CAAQ = Bitter Pecan				
TADI = Cypress				
NYAQ = Tupelo				
ULAM = American Elm				
ULCR = Cedar Elm				
DIVI = Persimmon				
PLOC = Sycamore				
PODE = Cottonwood				
LIST = Sweetgum				
ACNE = Boxelder				
ACRU = Red Maple				
CELA = Sugarberry				
FRPE = Green Ash				
GLAQ = Water Locust				
GLTR = Honey Locust				

1. *Basal Area determined using a 10-factor prism or equivalent.*
2. *Total tally times 10 for a 10-factor prism (example: 3 trees x 10 = 30ft^2 of basal area).*

Comments: West Godwall rd. - willow

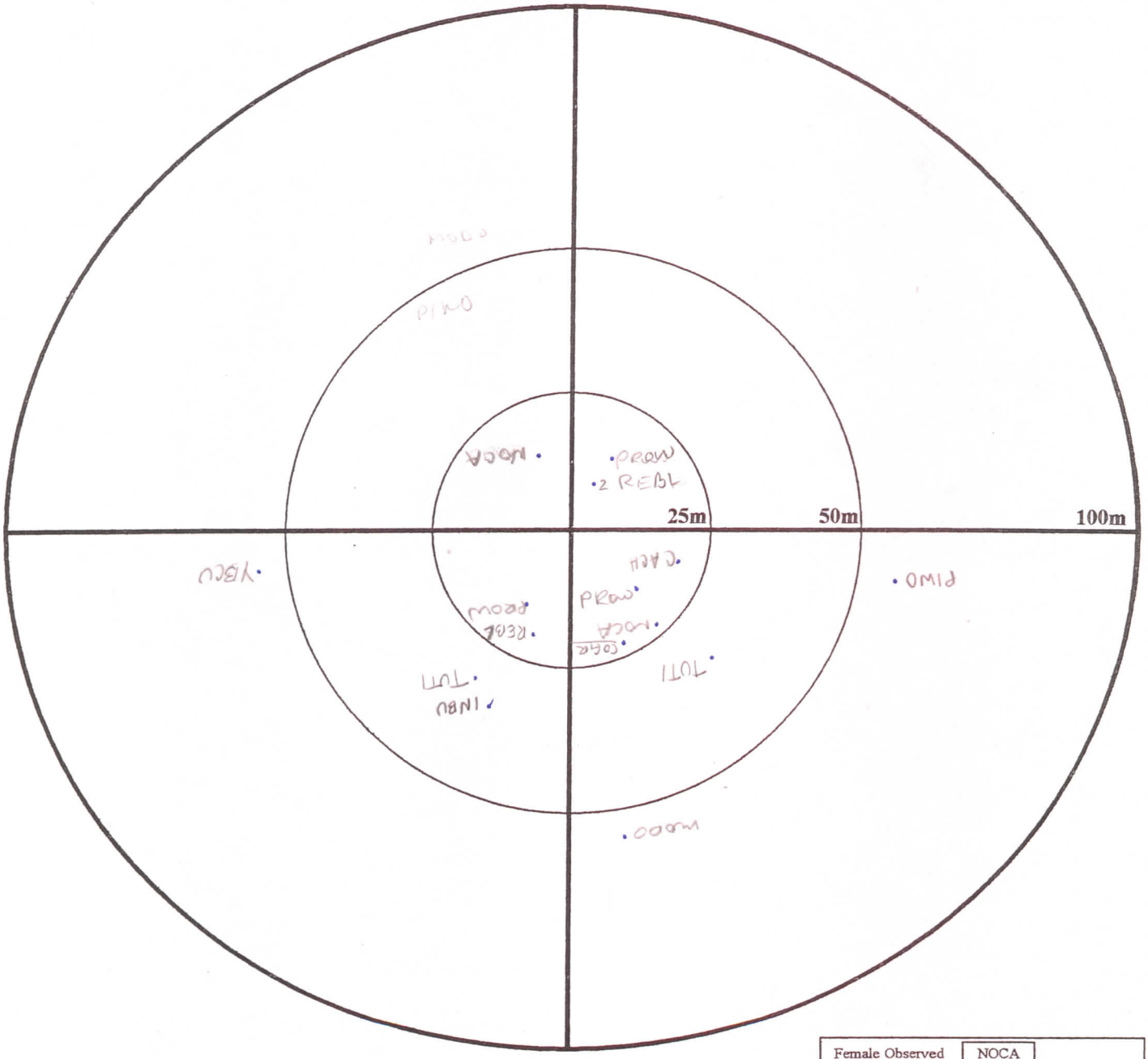
Start: End:

Point Count Field Sheet

State	Station	Unit	Compartment	Stand	Point #	Date	Observer	Time
MS		St Cat	Gudwall West		3	6-10-09	D	8:49

Temp °C	Wind	Sky	Habitat	Cover Type	Management Rx	Year of Harvest
80-85°	5-10	Slightly cloudy	water	willow		UNKN

North



Female Observed	NOCA
Male Observed	NOCA
Pair Together, assumed mated	NOCA
Observed, sex unknown	NOCA 0-3 minutes
	NOCA 4-5 minutes
	NOCA 6-10 minutes

N-S Coordinate:_____ **E-W Coordinate:**_____ **Zone*:**_____

(N-S=Latitude; E-W=Longitude) *Zone = 0 for lat-long (geographic); else enter a UTM Zone.

Birds Observed >100 - ≤150m:_____

Flyovers:_____

Comments:_____

Habitat Data Associated with Forest Breeding Bird Point Counts

Location Data:

Date: 6-10-09	**Crew:** DKS			
Location: SCC Mallard	**Unit:** St. Cat	**Stand:**	**Line#:**	**Plot#:** 1
Treatment:		**Year Treatment Implemented:**		
GPS Coordinates for the Plot: 0644657 - 3468132				

Plot-level Data: ***visible area around plot***

Vines	Cane	Overstory (>30ft)	Mid-Story (10-30ft)	Understory (<10ft)
1 = None *2 = Sparse (<25%)* *3 = Moderate (25-50%)* *4 = Heavy (>50%)*	*1 = None* *2= Sparse (<25%)* *3 = Moderate (25-50%)* *4 = Heavy (>50%)*	*1 = None* *2 = Sparse (<50%)* *3 = Moderate (50-80%)* *4 = Heavy (>80%)*	*1 = None* *2 = Sparse (<25%)* *3 = Moderate (25-60%)* *4 = Heavy (>60%)*	*1 = None* *2 = Sparse (<25%)* *3 = Moderate (25-60%)* *4 = Heavy (>60%)*

Tree Data: ***plotless area using 10-factor prism[1]***

Tree Species Codes	Tree Species	Basal Area[2] Number Stems (dbh 4 - 9.5")	Number Stems (dbh 10 - 20")	Number Stems (dbh > 20")
QUNU = Nuttall Oak				
QUNI = Water Oak				
QUPH = Willow Oak	Willows			
QULY = Overcup Oak				
QUPA = Cherrybark Oak				
QUSH = Shumard Oak				
CAIL = Sweet Pecan				
CAAQ = Bitter Pecan				
TADI = Cypress				
NYAQ = Tupelo				
ULAM = American Elm				
ULCR = Cedar Elm				
DIVI = Persimmon				
PLOC = Sycamore				
PODE = Cottonwood				
LIST = Sweetgum				
ACNE = Boxelder				
ACRU = Red Maple				
CELA = Sugarberry				
FRPE = Green Ash				
GLAQ = Water Locust				
GLTR = Honey Locust				

1. *Basal Area determined using a 10-factor prism or equivalent.*
2. *Total tally times 10 for a 10-factor prism (example: 3 trees x 10 = 30ft^2 of basal area).*

Comments: All mature willows

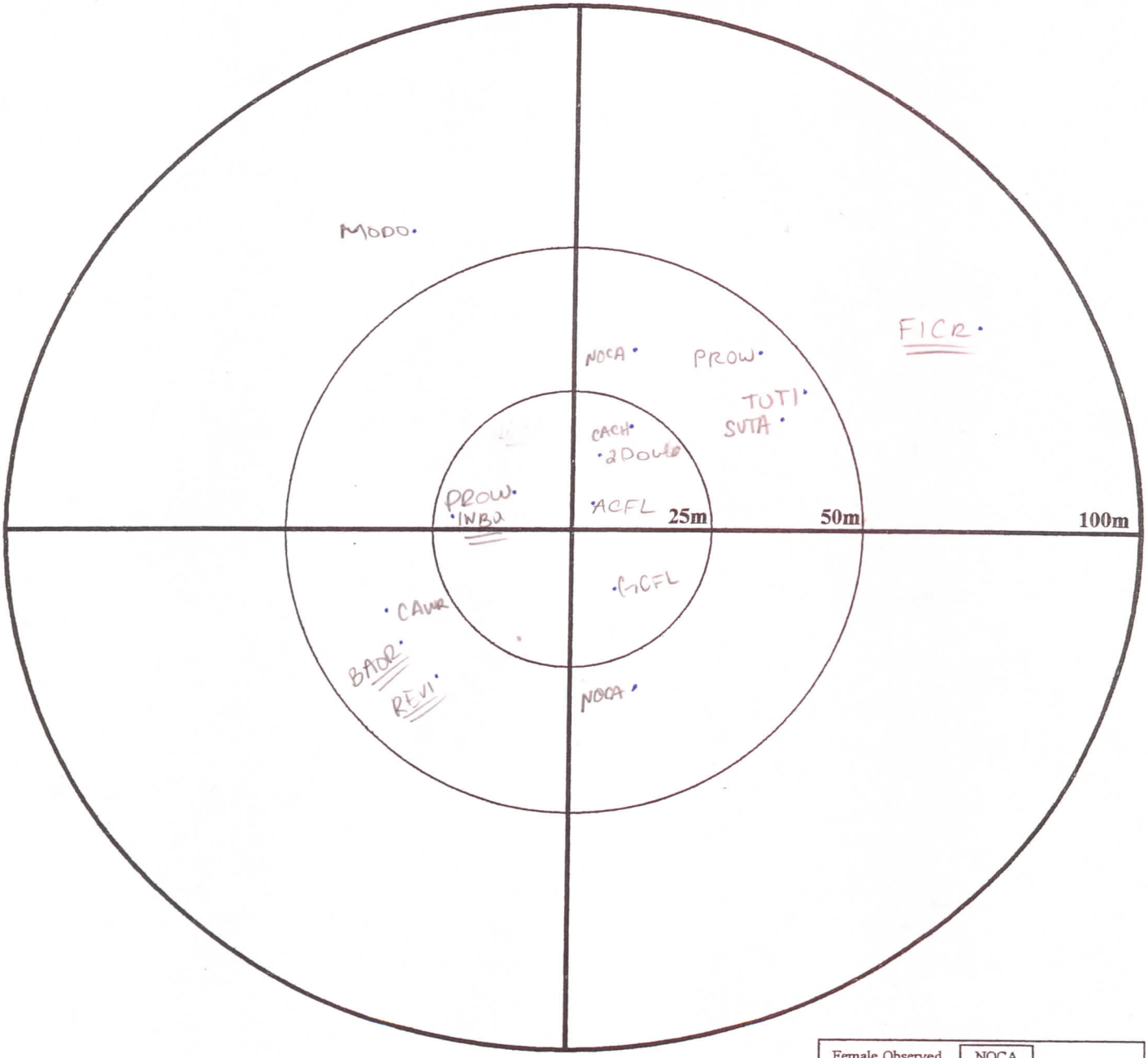
Start: End:

Point Count Field Sheet

State	Station	Unit	Compartment	Stand	Point #	Date	Observer	Time
MS		St. Cliff	Mallard Rd		1	6-10-09	D	9:11

Temp °C	Wind	Sky	Habitat	Cover Type	Management Rx	Year of Harvest
80-85°	0	cloudy	water	willow		UNKN

North



Female Observed	NOCA
Male Observed	NOCA
Pair Together, assumed mated	NOCA
Observed, sex unknown	NOCA 0-3 minutes
	NOCA 4-5 minutes
	NOCA 6-10 minutes

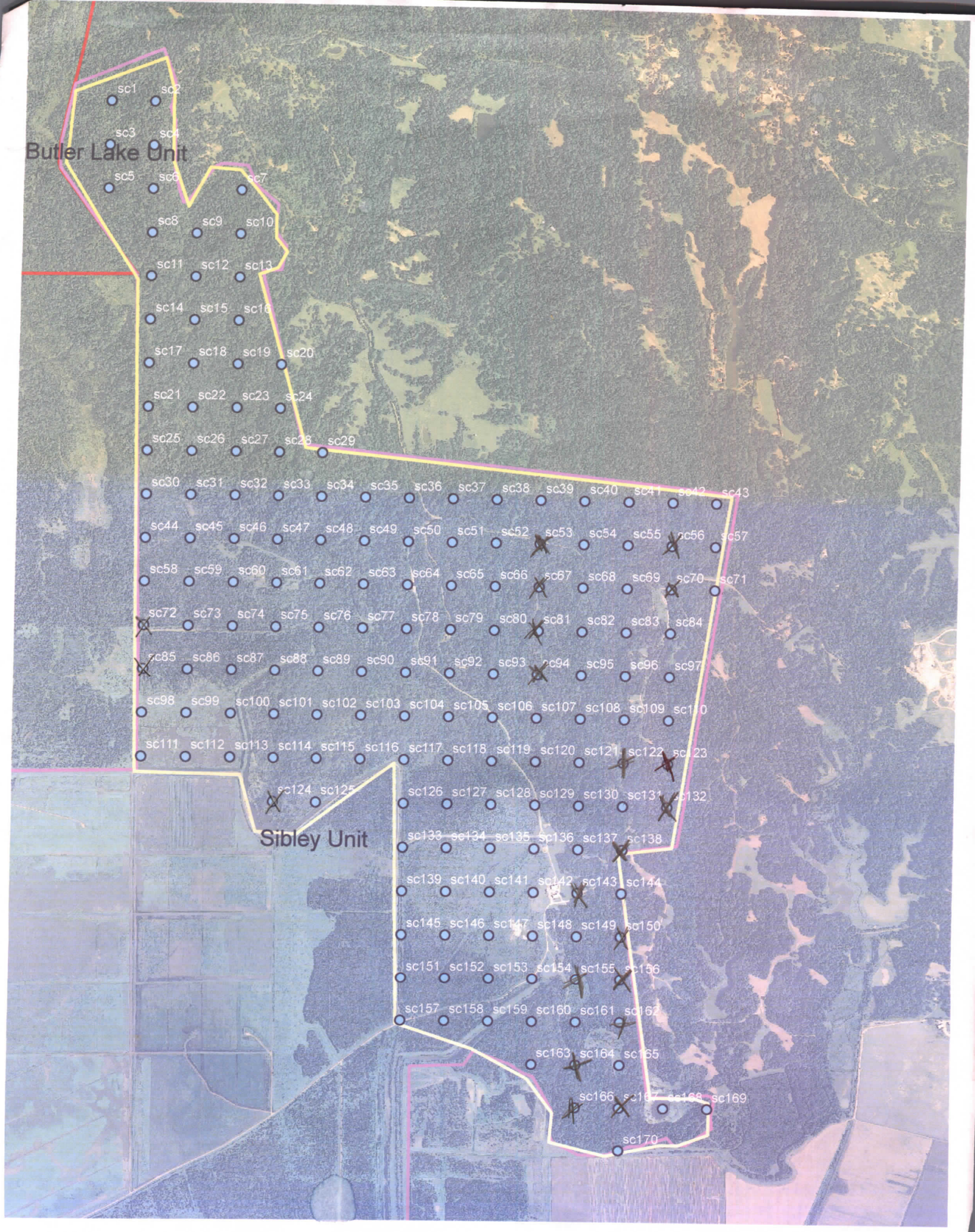
N-S Coordinate:_____ **E-W Coordinate:**_____ **Zone*:**_____

(N-S=Latitude; E-W=Longitude) *Zone = 0 for lat-long (geographic); else enter a UTM Zone.

Birds Observed >100 - ≤150m:_____

Flyovers: COGR

Comments:_____


Butler Lake Unit
Sibley Unit
sc1 sc2 sc3 sc4 sc5 sc6 sc7 sc8 sc9 sc10 sc11 sc12 sc13 sc14 sc15 sc16 sc17 sc18 sc19 sc20 sc21 sc22 sc23 sc24 sc25 sc26 sc27 sc28 sc29 sc30 sc31 sc32 sc33 sc34 sc35 sc36 sc37 sc38 sc39 sc40 sc41 sc42 sc43 sc44 sc45 sc46 sc47 sc48 sc49 sc50 sc51 sc52 sc53 sc54 sc55 sc56 sc57 sc58 sc59 sc60 sc61 sc62 sc63 sc64 sc65 sc66 sc67 sc68 sc69 sc70 sc71 sc72 sc73 sc74 sc75 sc76 sc77 sc78 sc79 sc80 sc81 sc82 sc83 sc84 sc85 sc86 sc87 sc88 sc89 sc90 sc91 sc92 sc93 sc94 sc95 sc96 sc97 sc98 sc99 sc100 sc101 sc102 sc103 sc104 sc105 sc106 sc107 sc108 sc109 sc110 sc111 sc112 sc113 sc114 sc115 sc116 sc117 sc118 sc119 sc120 sc121 sc122 sc123 sc124 sc125 sc126 sc127 sc128 sc129 sc130 sc131 sc132 sc133 sc134 sc135 sc136 sc137 sc138 sc139 sc140 sc141 sc142 sc143 sc144 sc145 sc146 sc147 sc148 sc149 sc150 sc151 sc152 sc153 sc154 sc155 sc156 sc157 sc158 sc159 sc160 sc161 sc162 sc163 sc164 sc165 sc166 sc167 sc168 sc169 sc170