APPENDIX B

POINT COUNT BIRD CENSUS FORMS

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T1-3			

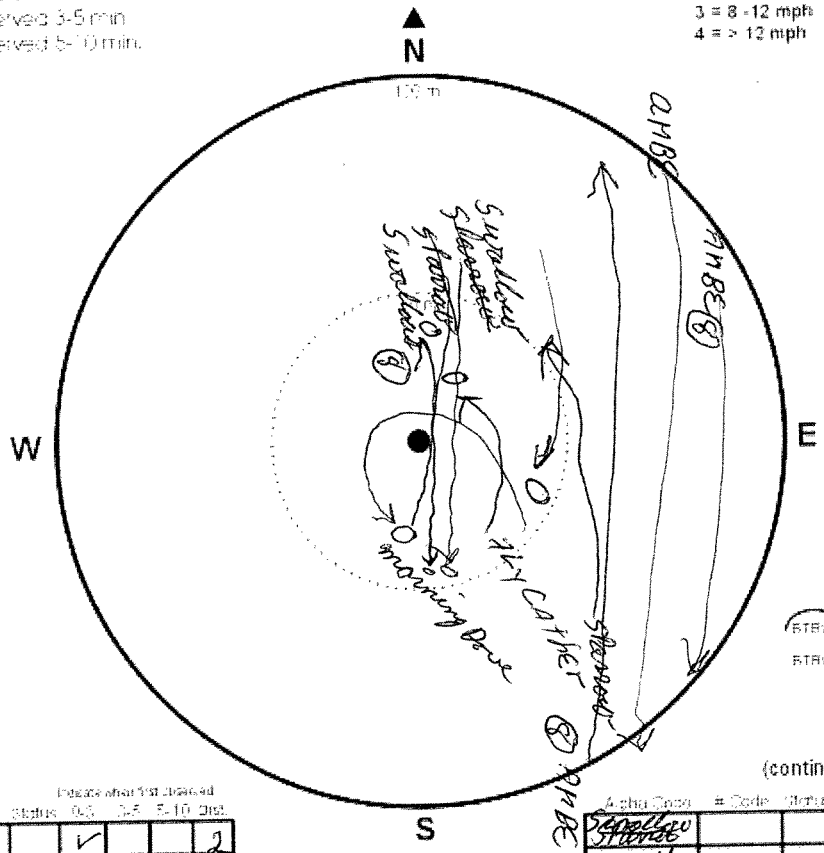
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
8	24	07	08:18		75°	1	0

Wind: 0 = none; 1 = 1 - 3 mph; 2 = 4 - 7 mph; 3 = 8 - 12 mph; 4 = > 12 mph

Sky: 0 = < 10% clouds; 1 = partly cloudy; 2 = mostly cloudy; 3 = overcast; 4 = raining

BTBW = first observed 0-3 min
BTBW ✓ = first observed 3-5 min
BTBW ✗ = first observed 5-10 min

Notes:



Status
female = J
nest = N
flyover = X
observed = O (per 3 min. period)

Alpha Code	# Code	Status	Distance when first observed 0-3	3-5	5-10	Dist.
aMBE			✓			2
aMBE				✓		1
aMBE					✓	2
"					✓	2
"					✓	2
"					✓	2
"					✓	2
"					✓	2
"					✓	2
"						2
Morning Do					✓	1
Swallow						

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Status
singing male = S
other (male) = M
female (female) = F
pair together = P
calling (male or female) = C
changes in position
simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.
~~Swallow~~ Sparrow					✓	1
~~Swallow~~					✓	1
AMBE					✓	3
"					✓	1
"					✓	1
"					✓	1
"					✓	1
"					✓	1
"					✓	1
"					✓	1
"					✓	1
"						

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T1-5			Grassland

Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
8	23	07	16:36	JM/SB	90°	2	0

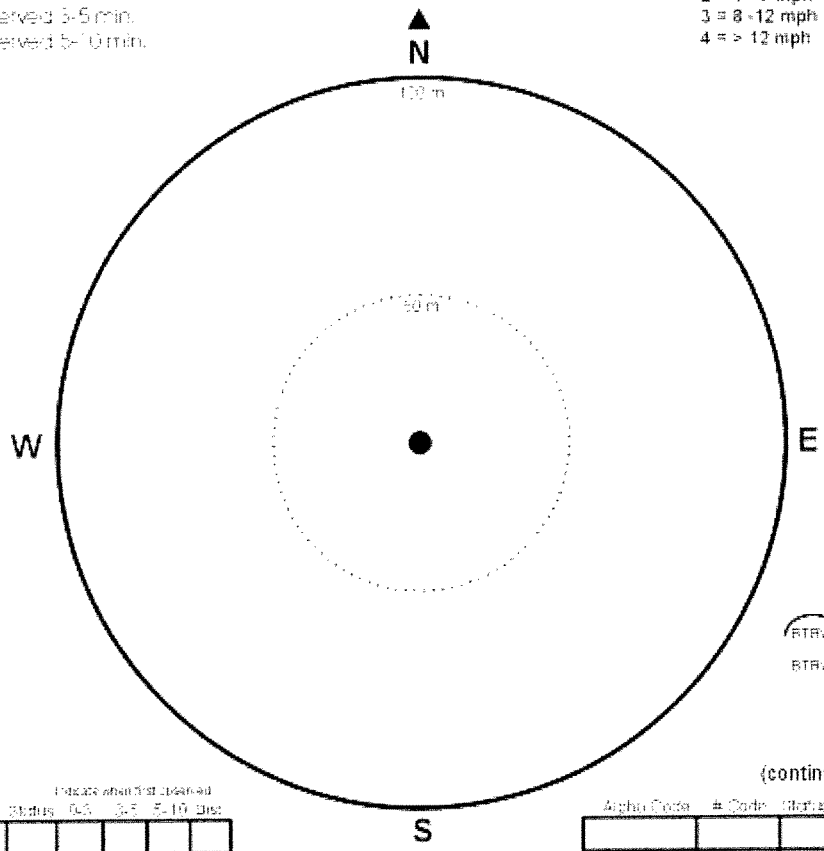
Wind: 0 = none; 1 = 1 - 3 mph; 2 = 4 - 7 mph; 3 = 8 - 12 mph; 4 = > 12 mph

Sky: 0 = < 10% clouds; 1 = partly cloudy; 2 = mostly cloudy; 3 = overcast; 4 = raining

BTBW = first observed 0-3 min.
BTBW ✓ = first observed 3-5 min.
BTBW ✗ = first observed 5-10 min.

Notes:

No Birds observed.



Status

juvenile =	J
nest =	N
flyover =	X
observed = (sex unknown)	O

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Status

singing male =	S
male (female) =	M
female (male) =	F
pair together =	P
calling (30 sec) =	C

chasing in position

simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Bird Point Census Form

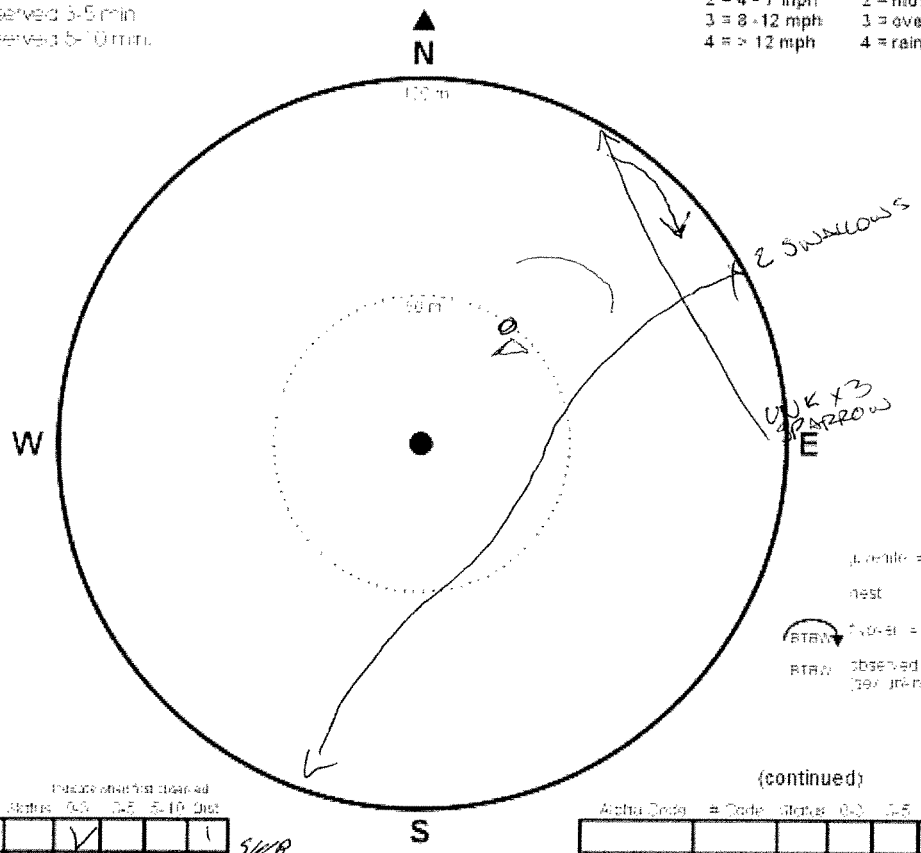
State	SiteID	Latitude	Longitude	Habitat Type
CO	T1-7			N. Grassland

Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
8	03	07	13:08		90°	2	0

BTBW = first observed 0-3 min.
BTBW ✓ = first observed 3-5 min.
BTBW ✗ = first observed 5-10 min.

Wind	Sky
0 = none	0 = < 10% clouds
1 = 1 - 3 mph	1 = partly cloudy
2 = 4 - 7 mph	2 = mostly cloudy
3 = 8 - 12 mph	3 = overcast
4 = > 12 mph	4 = raining

Notes:



Status
juvenile = J
nest N
flyover = X
BTBW observed = O (sex unknown)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist
02			✓			1
SPARROW				✓		2 SWA
SPARROW				✓		2
SPARROW				✓		2
SWALLOW					✓	1
SWALLO					✓	1

Dist = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Status
singing male = S
male (seen) = M
female (seen) = F
pair together P
calling (?) sex = C
change in position
simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist

Dist = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T1-9			Grassland

Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
8	23	07	SWB 11:45		88°	3	0

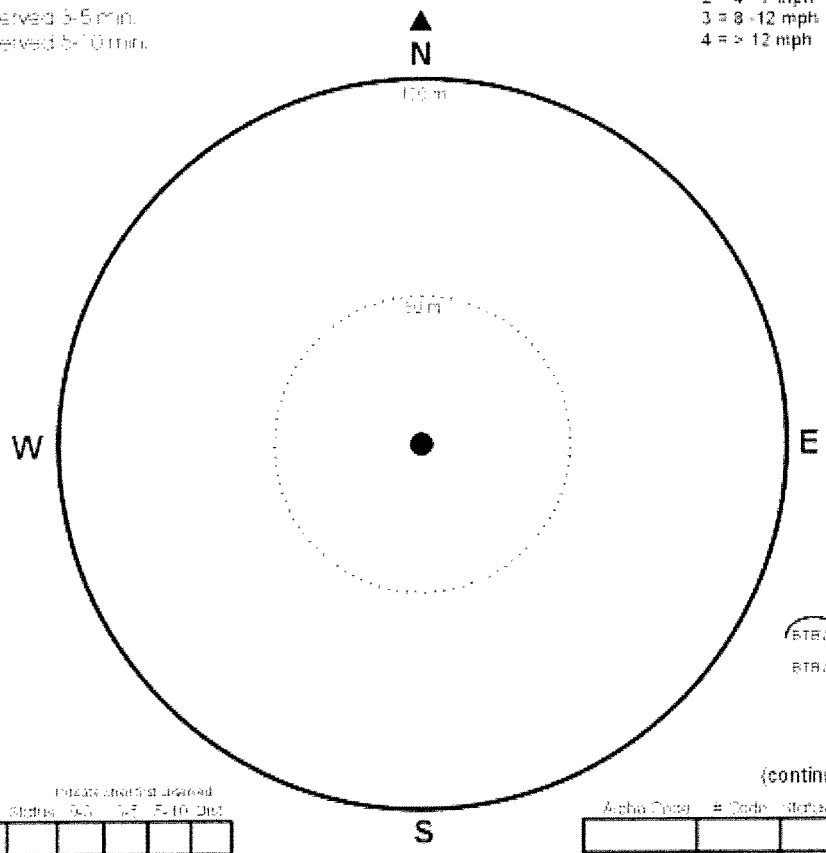
Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 - 12 mph
4 = > 12 mph

Sky:
0 = < 10% clouds
1 = partly cloudy
2 = mostly cloudy
3 = overcast
4 = raining

BTBW = first observed 0-3 min.
BTBW ✓ = first observed 3-5 min.
BTBW ✗ = first observed 5-10 min.

Notes:

no Birds observed



Status
juvenile = J
nest N
flyover = X
observed = O (sex unknown)

Indicate when first observed

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Status
singing male = S
male (Sex) = M
female (Sex) = F
pair together P
calling (?? sex) = C
changes in position
simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T3-1			PJ on 100 205 Tape

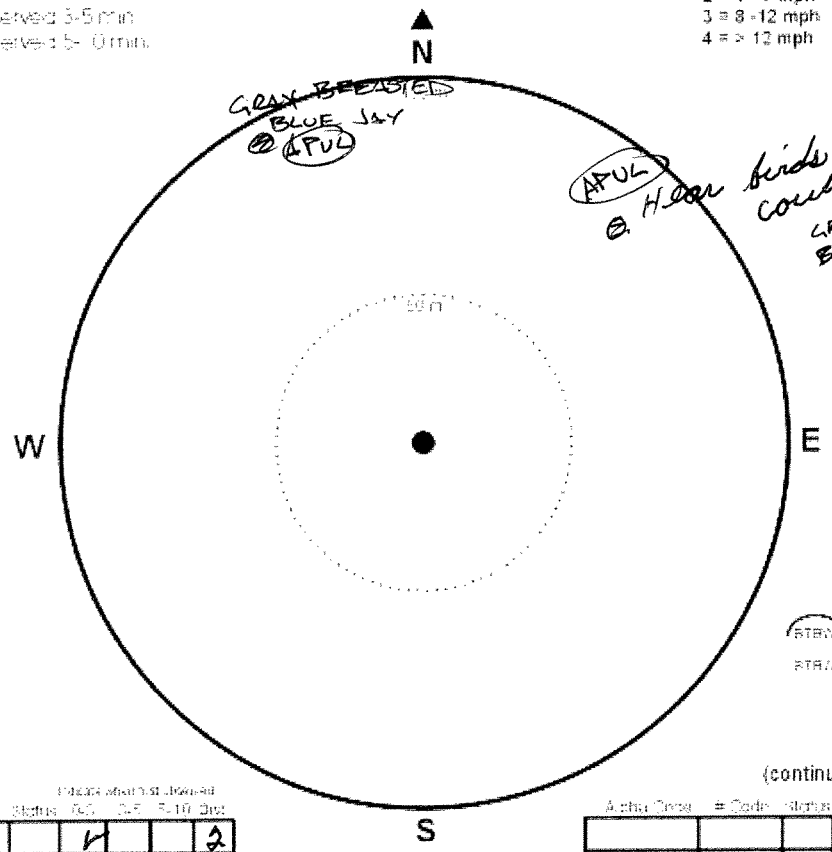
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
8	24	07	4:10	JH/SB	82°F	2	ϕ

Wind: 0 = none; 1 = 1 - 3 mph; 2 = 4 - 7 mph; 3 = 8 - 12 mph; 4 = > 12 mph

Sky: 0 = < 10% clouds; 1 = partly cloudy; 2 = mostly cloudy; 3 = overcast; 4 = raining

BTBW = first observed 0-3 min
BTBW ✓ = first observed 3-5 min
BTBW ✗ = first observed 5- 10 min

Notes:



Status
juvenile = J
nest = N
flyover = X
observed = O

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist
UNK			✓			2
APUL				✓		2

Dist. = minimum distance from observer
1 = < 50 m, 2 = 50 - 100 m, 3 = > 100 m

Status
singing (male) = S
male (female) = M
female (male) = F
pair together = P
calling (male) = C
change in position
simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist

Dist. = minimum distance from observer
1 = < 50 m, 2 = 50 - 100 m, 3 = > 100 m

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T3-3			Grassland

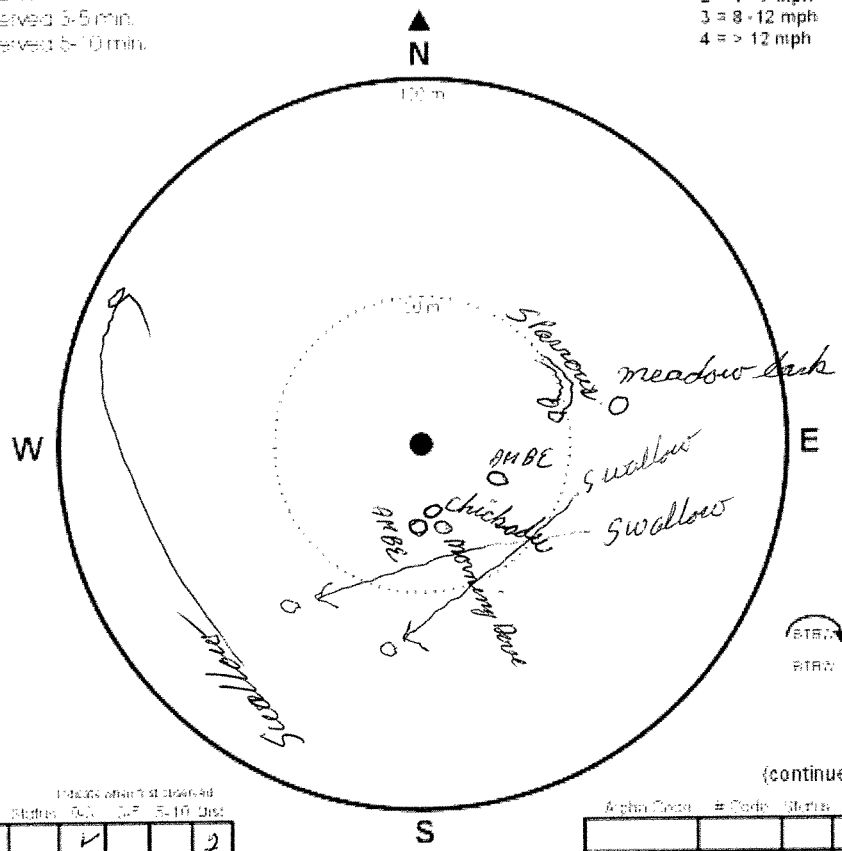
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
8	24	07	9:00	JH/SB	78°	1	0

Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 - 12 mph
4 = > 12 mph

Sky:
0 = < 10% clouds
1 = partly cloudy
2 = mostly cloudy
3 = overcast
4 = raining

BTBW = first observed 0-3 min
BTBW ✓ = first observed 3-5 min.
BTBW ✗ = first observed 5-10 min.

Notes:



Status
juvenile = J
nest N
BTBW cover = X
BTBW observed = O (sex un-known)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist
Swallow			✓			2
Swallow			✓			2
AMBE			✓			1
AMBE			✓			1
Morning D				✓		1
meadow				✓		2
Sparrow					✓	2
Sparrow					✓	2
Chickadee					✓	2
Swallow					✓	2

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Status
BTBW singing male = S
BTBW male (sex) = M
BTBW female (sex) = F
BTBW pair together P
BTBW calling (?? sex) C
BTBW → BTBW change in position
BTBW ‖ BTBW simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T3-5			Grassland

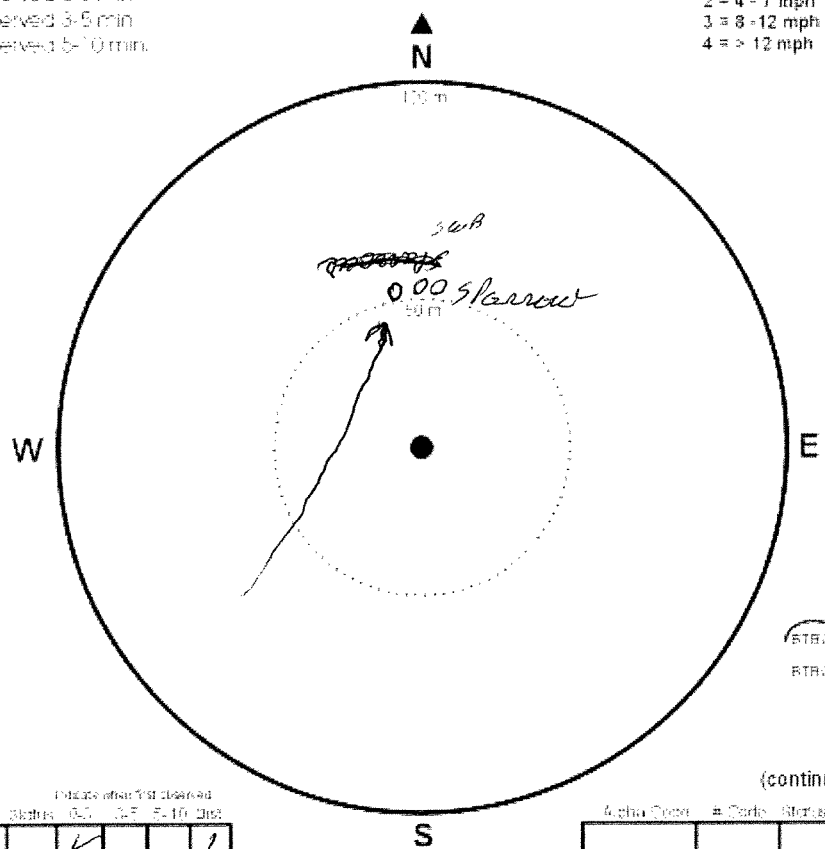
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
8	23	07	16:10	JM/SB	90°	1	0

Wind: 0 = none; 1 = 1 - 3 mph; 2 = 4 - 7 mph; 3 = 8 - 12 mph; 4 = > 12 mph

Sky: 0 = < 10% clouds; 1 = partly cloudy; 2 = mostly cloudy; 3 = overcast; 4 = raining

BTBW = first observed 0-3 min
BTBW ✓ = first observed 3-5 min
BTBW ✗ = first observed 5-10 min.

Notes:



Status
juvenile = J
nest N
flyover = X
BTBW observed = O (sex unknown)

Alpha Code	# Code	Status	Distance after first observed 0-3	3-5	5-10	Dist.
Sparrow			✓			1
Sparrow			✓			1
Sparrow					✓	1

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Status
BTBW singing male = S
BTBW male (seen) = M
BTBW female (seen) = F
BTBW pair together = P
BTBW calling (% sex) = C
BTBW → BTBW change in position
BTBW ‖ BTBW simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T3-7			Big Sage

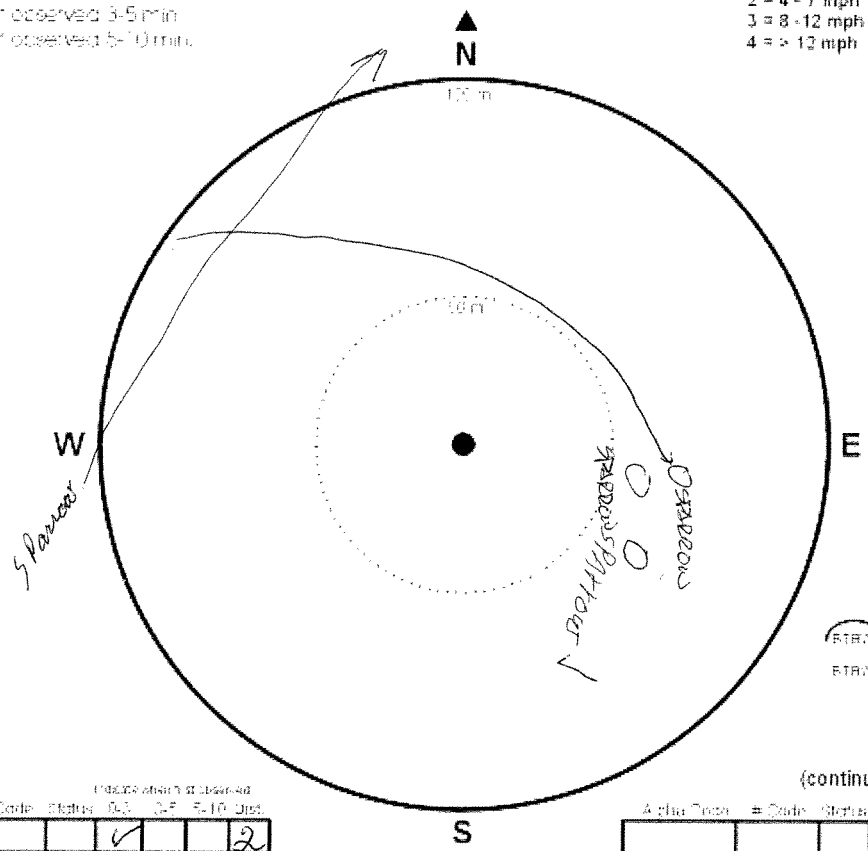
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
8	23	07	13:35		90°	2	0

Wind: 0 = none; 1 = 1 - 3 mph; 2 = 4 - 7 mph; 3 = 8 - 12 mph; 4 = > 12 mph

Sky: 0 = < 10% clouds; 1 = partly cloudy; 2 = mostly cloudy; 3 = overcast; 4 = raining

BTBW = first observed 0-3 min
BTBW ✓ = first observed 3-5 min
BTBW ✗ = first observed 5-10 min

Notes:



Status
J
N
X
observed = O

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.
Sparrow			✓			2
Sparrow				✓		2
Sparrow					✓	2
Sparrow					✓	2

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Status
S
M
F
P
C
changing position
simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T3-9			Big Sage

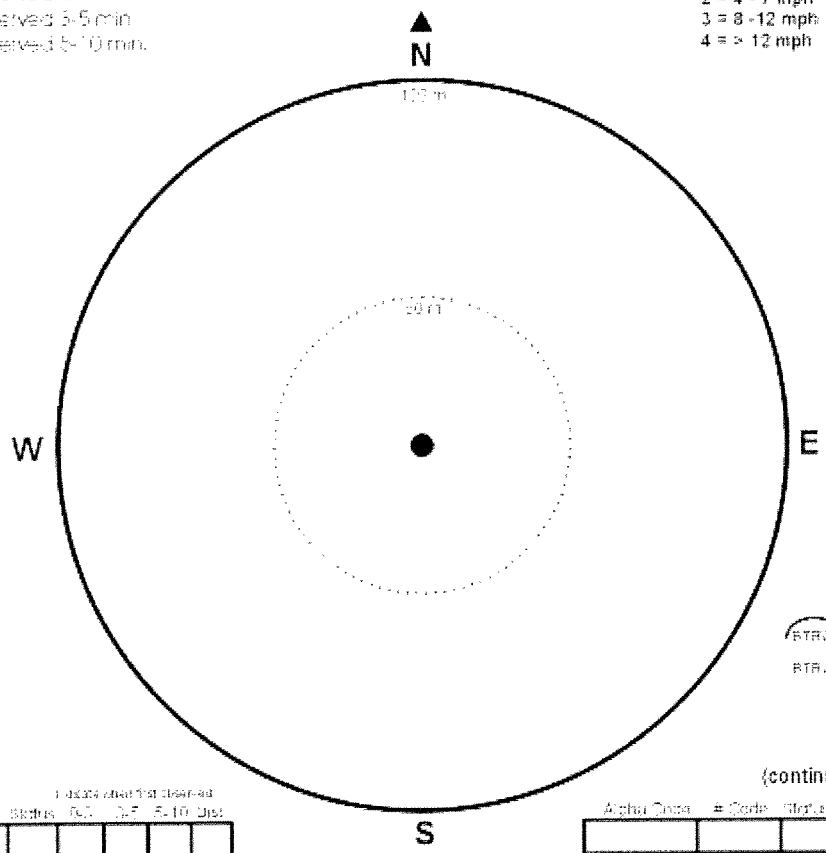
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
8	23	07	11:06		87°	3	0

Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 -12 mph
4 = > 12 mph

Sky:
0 = < 10% clouds
1 = partly cloudy
2 = mostly cloudy
3 = overcast
4 = raining

BTBW = first observed 0-3 min
BTBW ✓ = first observed 3-5 min
BTBW ✗ = first observed 5-10 min.

Notes:



Status
juvenile = J
nest N
flyover = X
BTBW observed = O (sex unknown)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist

Dist = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Status
BTBW ranging male = S
BTBW male (sex) = M
BTBW female (sex) = F
BTBW pair together P
BTBW calling (% sex) = C
BTBW → BTBW change in position
BTBW ‖ BTBW simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist

Dist = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T5-3			Grassland

Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
8	24	08	9:54	JH/SB	84°	1	0

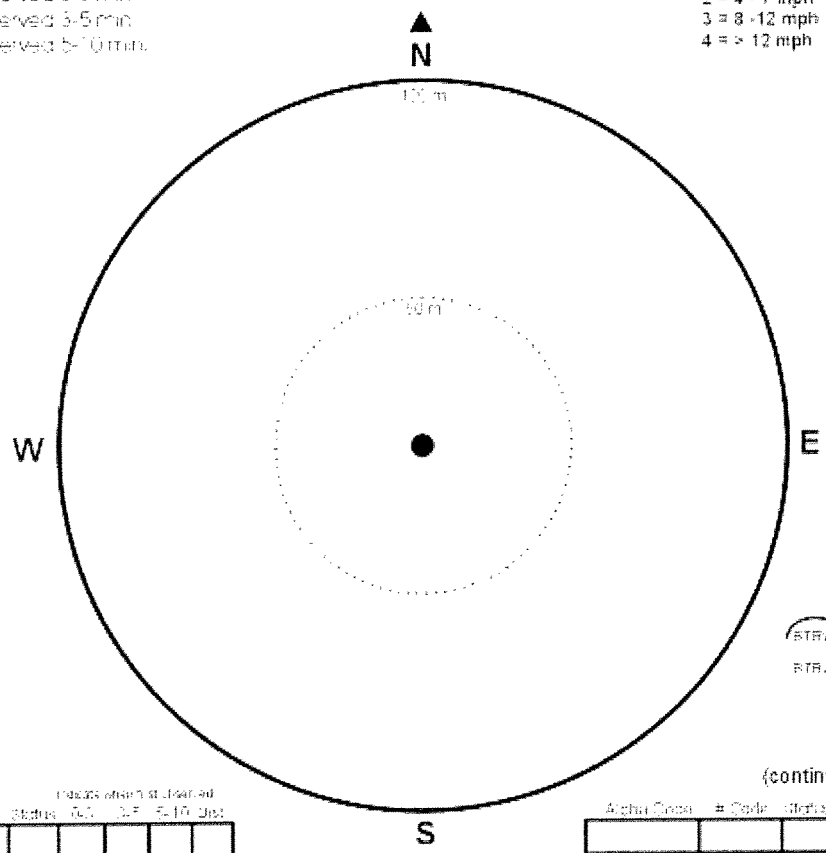
Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 -12 mph
4 = > 12 mph

Sky:
0 = < 10% clouds
1 = partly cloudy
2 = mostly cloudy
3 = overcast
4 = raining

BTBW = first observed 0-3 min
BTBW ✓ = first observed 3-5 min
BTBW ✗ = first observed 5-10 min

Notes:

no Birds observed



Status
juvenile = J
nest N
flyover = X
BTBW observed = O (sex unknown)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Status
singing male = S
male (seen) = M
female (seen) = F
pair together = P
calling (w/ sex) = C
change in position
simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T5-5			Big Sage

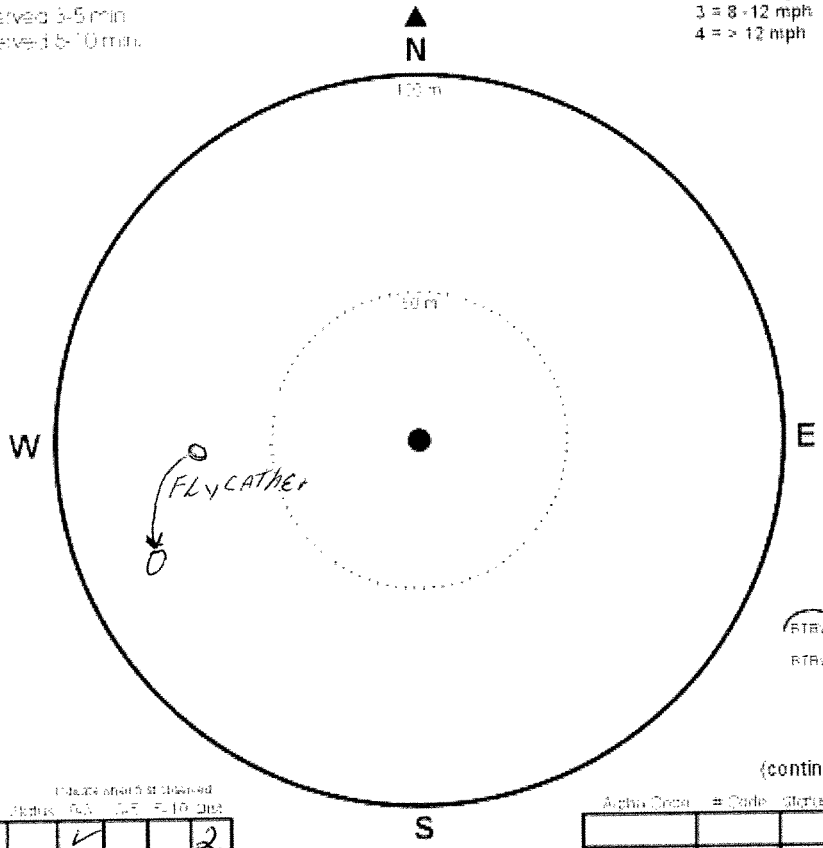
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
8	23	07	15:43	JM / SB	88°	1	0

Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 - 12 mph
4 = > 12 mph

Sky:
0 = < 10% clouds
1 = partly cloudy
2 = mostly cloudy
3 = overcast
4 = raining

BTBW = first observed 0-3 min.
BTBW ✓ = first observed 3-5 min.
BTBW ✗ = first observed 5-10 min.

Notes:



Status
juvenile = J
nest N
flyover = X
observed = O (sex unknown)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist
			✓			2

Dist. = minimum distance from observer
1 = < 50 m, 2 = 50 - 100 m, 3 = > 100 m

Status
singing male = S
male (seen) = M
female (seen) = F
pair together P
calling (?? sex) = C
change in position
simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist

Dist. = minimum distance from observer
1 = < 50 m, 2 = 50 - 100 m, 3 = > 100 m

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T5-7			Big Sage

Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
8	23	07	14:09		90°	2	0

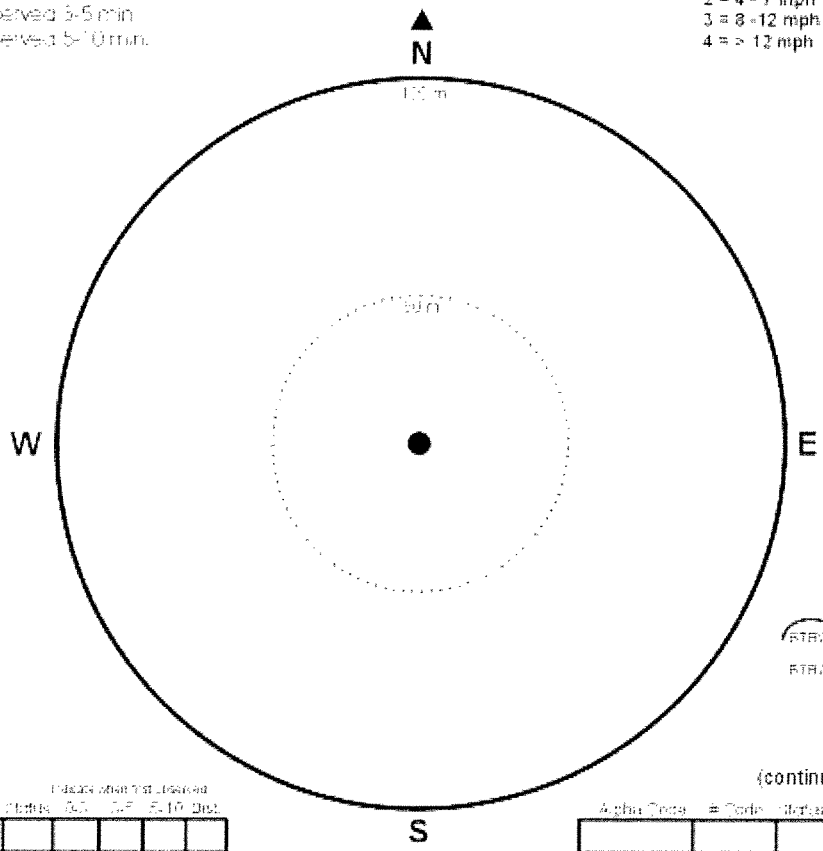
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 - 12 mph
4 = > 12 mph

0 = < 10% clouds
1 = partly cloudy
2 = mostly cloudy
3 = overcast
4 = raining

BTBW = first observed 0-3 min
BTBW ✓ = first observed 3-5 min
BTBW ✗ = first observed 5-10 min

Notes:

No Birds observed -



Status
juvenile = J
nest N
flyover = X
observed = O (see unknown)

Status
singing male = S
male (seen) = M
female (seen) = F
pair together = P
calling (?/sex) = C
change in position
simultaneous song of 2 males

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T5-9			Big Sage

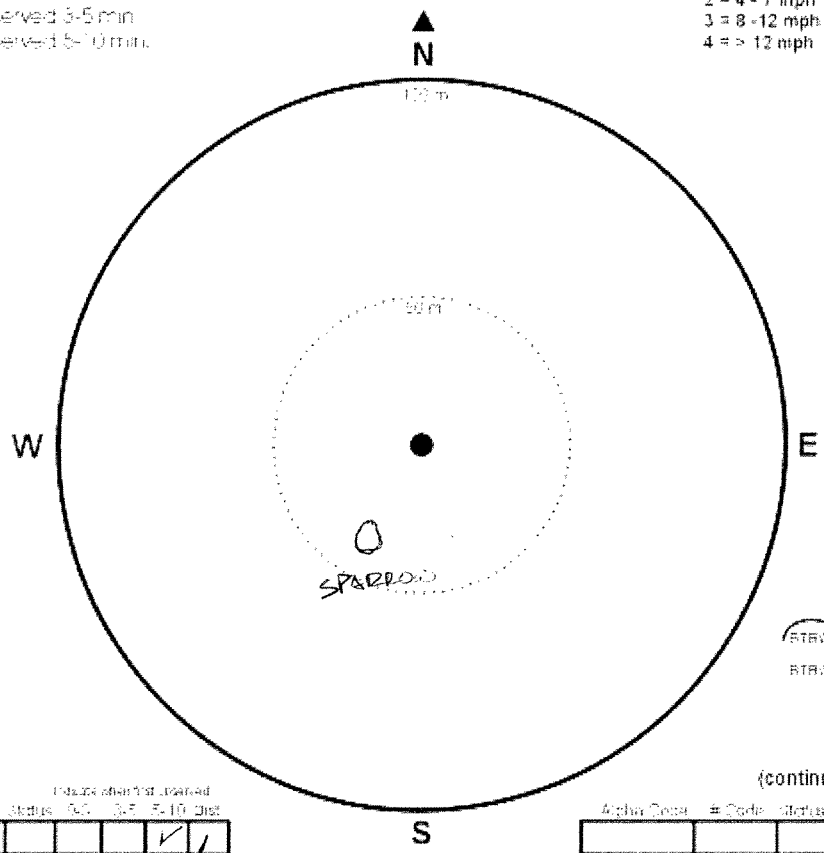
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
8	23	07	10:26	JR, LB, SB	86°	1	0

0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 -12 mph
4 = > 12 mph

0 = < 10% clouds
1 = partly cloudy
2 = mostly cloudy
3 = overcast
4 = raining

BTBW = first observed 0-3 min.
BTBW ✓ = first observed 3-5 min.
BTBW ✗ = first observed 5-10 min.

Notes:



Status
juvenile = J
nest = N
hyover = X
BTBW observed = O (sex unknown)

Indicate when first observed

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.
UNK					✓	1

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Status
BTBW ringing male = S
BTBW male (seen) = M
BTBW female (seen) = F
BTBW pair together = P
BTBW calling (?) sex = C
BTBW → BTBW change in position
BTBW ‖ BTBW simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T7-3			Grassland

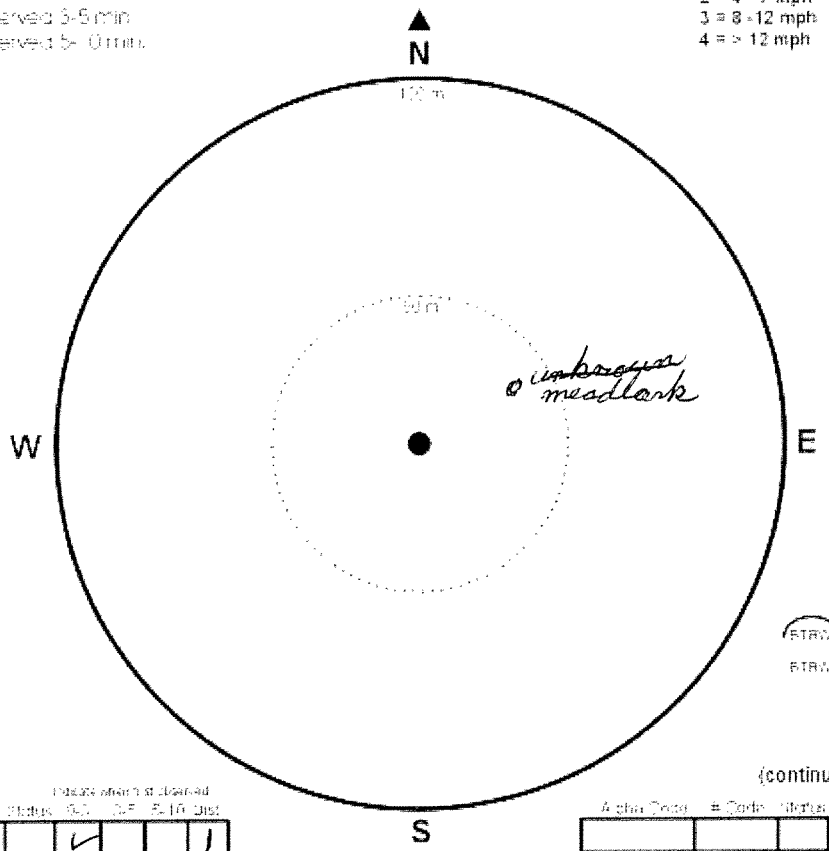
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
9	24	07	10:20	JM/SB	83	1	0

Wind: 0 = none; 1 = 1 - 3 mph; 2 = 4 - 7 mph; 3 = 8 - 12 mph; 4 = > 12 mph

Sky: 0 = < 10% clouds; 1 = partly cloudy; 2 = mostly cloudy; 3 = overcast; 4 = raining

BTBW = first observed 0-3 min
BTBW ✓ = first observed 3-5 min
BTBW ✗ = first observed 5- 10 min.

Notes:



Status
juvenile = J
nest N
flyover = X
BTBW observed = O (sex unknown)

Indicate when first observed

	Alpha Code	# Code	Status	0-3	3-5	5-10	Dist
meadlark	unknown			✓			1

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Status
singing male = S
male (Sex) = M
female (Sex) = F
pair together = P
calling (Sex) = C
change in position
simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T7-5			Grassland

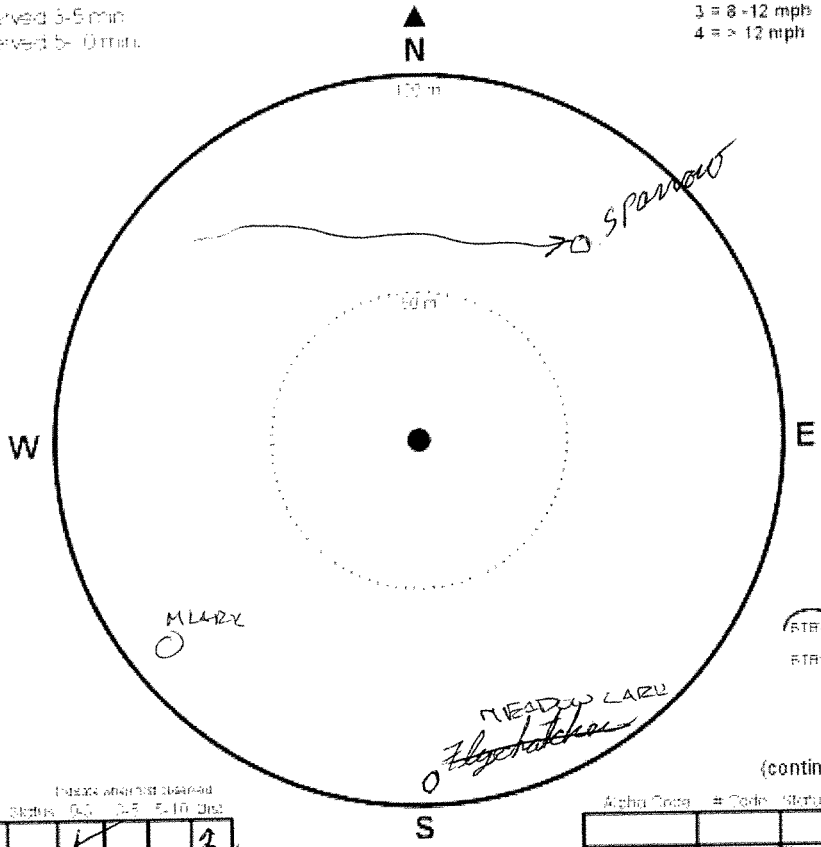
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
8	23	07	15:14	JH/SB	92°	2	0

Wind: 0 = none; 1 = 1 - 3 mph; 2 = 4 - 7 mph; 3 = 8 - 12 mph; 4 = > 12 mph

Sky: 0 = < 10% clouds; 1 = partly cloudy; 2 = mostly cloudy; 3 = overcast; 4 = raining

BTBW = first observed 0-3 min
BTBW ✔ = first observed 3-5 min
BTBW ✘ = first observed 5-10 min

Notes:



Status
juvenile = J
nest = N
flyover = X
BTBW observed = O (sex unknown)

Distance when first observed

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.
MLARK Flycatcher			✓			2
Sparrow				✓		1
MLARK				✓		1

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Status
singing male = S
male (sex) = M
female (sex) = F
pair together = P
calling (sex) = C
change in position
simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T7-7			

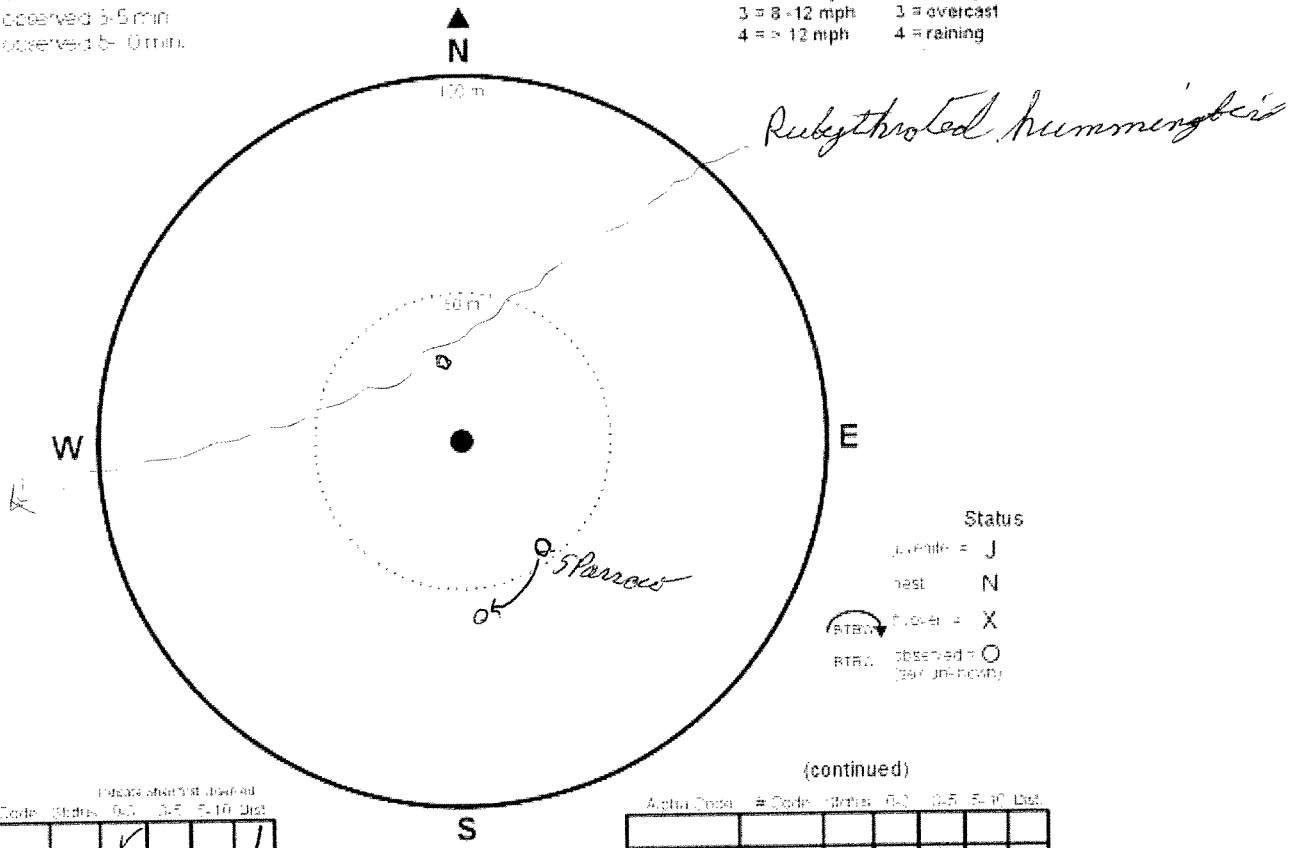
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
8	23	07	14:40		90°	2	0

Wind: 0 = none; 1 = 1 - 3 mph; 2 = 4 - 7 mph; 3 = 8 - 12 mph; 4 = > 12 mph

Sky: 0 = < 10% clouds; 1 = partly cloudy; 2 = mostly cloudy; 3 = overcast; 4 = raining

BTBW = first observed 0-3 min
BTBW ✓ = first observed 3-5 min
BTBW ✗ = first observed 5-10 min

Notes:



Status

juvenile	J
nest	N
flyover	X
observed	O

Alpha Code	# Code	Status	Distance when first observed 0-3	3-5	5-10	Dist
Sparrow			✓			1
Hummingbird					✓	2

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Status

singing male	S
male (other)	M
female (female)	F
pair together	P
calling (female)	C
change in position	
simultaneous song of 2 males	

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T2-2			PJ / BIG SAGE

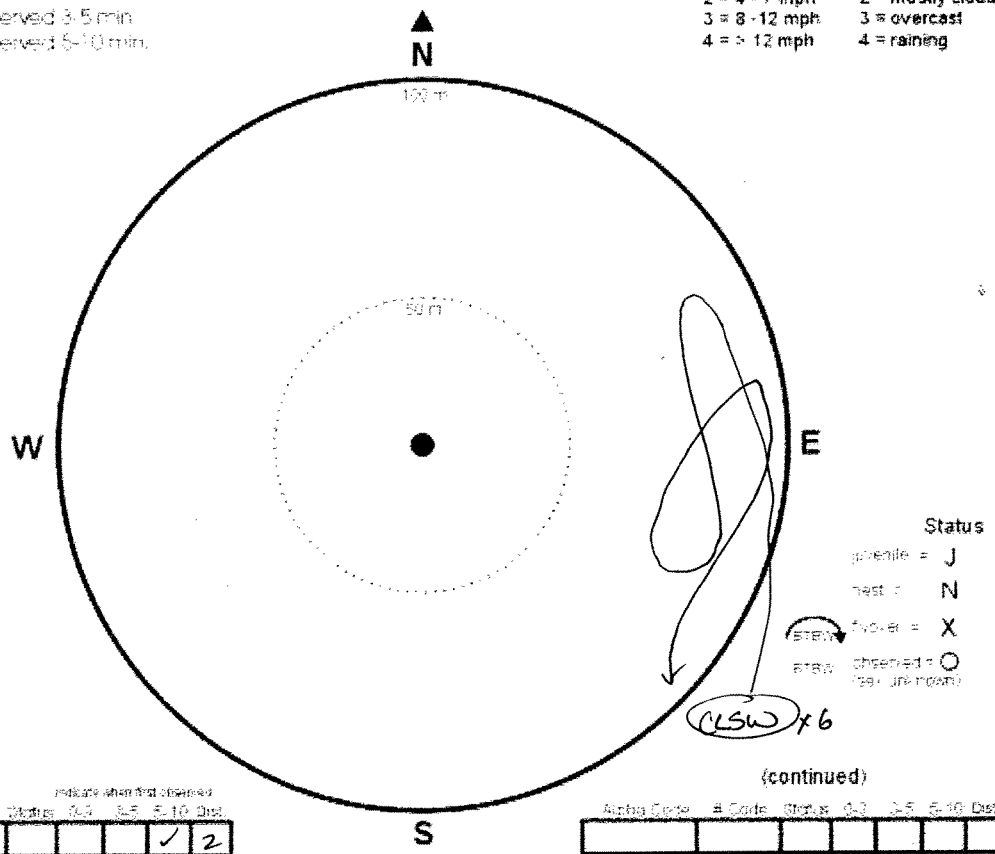
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
9	18	07	1525	JM, MZ	84°F	2	0

Wind: 0 = none; 1 = 1 - 3 mph; 2 = 4 - 7 mph; 3 = 8 - 12 mph; 4 = > 12 mph

Sky: 0 = < 10% clouds; 1 = partly cloudy; 2 = mostly cloudy; 3 = overcast; 4 = raining

BTBW = first observed 0-3 min
BTBW ✓ = first observed 3-5 min
BTBW ✗ = first observed 5-10 min.

Notes:



Status
spheniscle = J
nest = N
flyover = X
observed = O

Indicate when first observed

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.
CLSW					✓	2
CLSW					✓	2
CLSW					✓	2
CLSW					✓	2
CLSW					✓	2
CLSW					✓	2

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Status
singing male = S
male (sem.) = M
female (syn.) = F
pair together = P
calling (?? sex) = C
change in position
simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	TE-4			NATIVE GRASSLAND

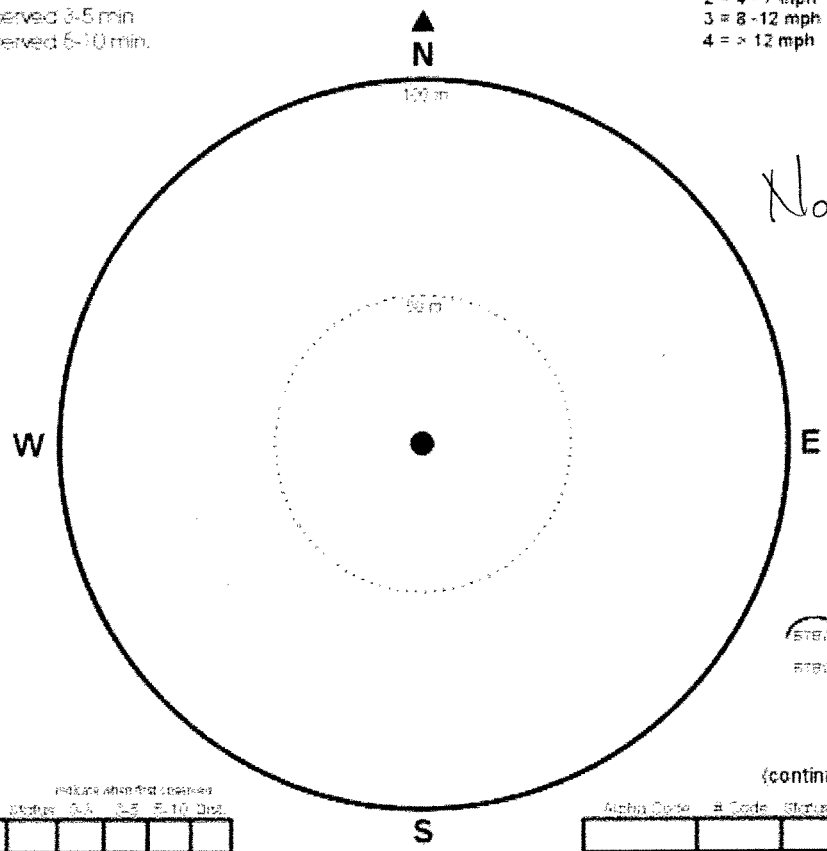
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
9	18	07	1308	MZ, JM	87°F	1	0

Wind	Sky
0 = none	0 = < 10% clouds
1 = 1 - 3 mph	1 = partly cloudy
2 = 4 - 7 mph	2 = mostly cloudy
3 = 8 - 12 mph	3 = overcast
4 = > 12 mph	4 = raining

BTBW = first observed 0-3 min.
BTBW ✓ = first observed 3-5 min.
BTBW ✗ = first observed 5-10 min.

Notes:

NONE OBSERVED



Status
juvenile = J
nest = N
flyover = X
observed = O (sex unknown)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Status
singing male = S
male (none) = M
female (none) = F
pair together = P
calling (?? sex) = C
change in position
simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T2-6			NATIVE GRASSLAND

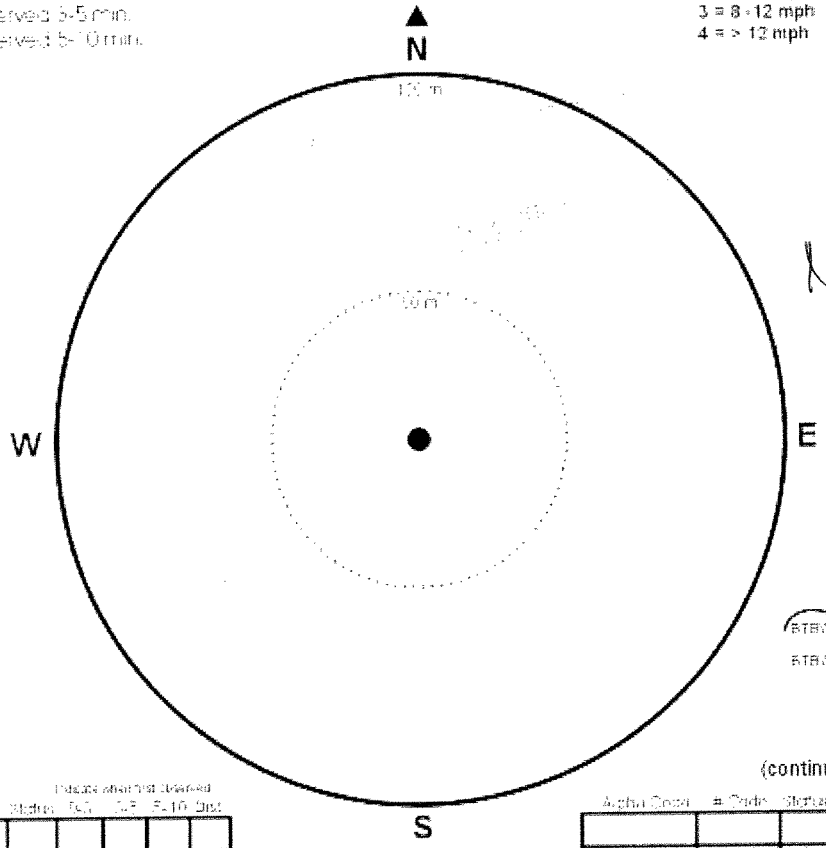
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
9	18	07	1230	MZ, JM	87°F	1	0

Wind: 0 = none; 1 = 1 - 3 mph; 2 = 4 - 7 mph; 3 = 8 - 12 mph; 4 = > 12 mph

Sky: 0 = < 10% clouds; 1 = partly cloudy; 2 = mostly cloudy; 3 = overcast; 4 = raining

BTBW = first observed 0-3 min
BTBW ✓ = first observed 3-5 min.
BTBW ✗ = first observed 5-10 min.

Notes:



NONE OBSERVED

Status
juvenile = J
nest N
BTBW hover = X
BTBW observed = O (see unknown)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Status
BTBW singing male = S
BTBW male/female = M
BTBW female/female = F
BTBW pair together P
BTBW calling (2 sex) = C
BTBW → BTBW change in position
BTBW ‖ BTBW simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
Co	T2-8			BIG SAGE

Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
9	18	07	0837	JM MZ	75°F	0	0

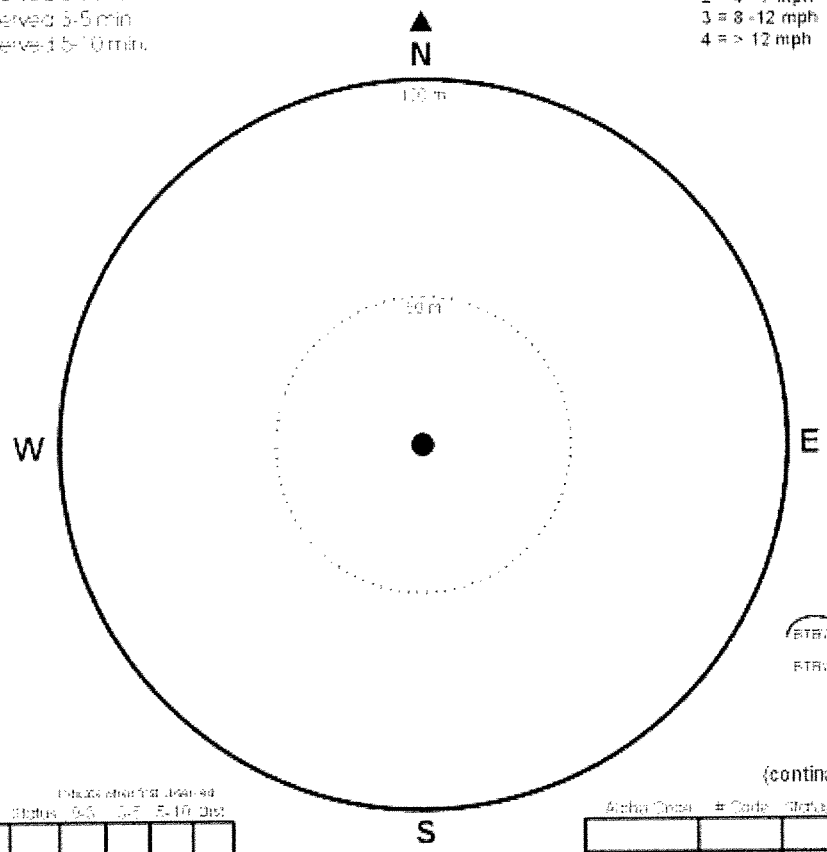
Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 - 12 mph
4 = > 12 mph

Sky:
0 = < 10% clouds
1 = partly cloudy
2 = mostly cloudy
3 = overcast
4 = raining

BTBW = first observed 0-3 min.
BTBW ✓ = first observed 3-5 min.
BTBW ✗ = first observed 5-10 min.

Notes:

NO BIRDS OBSERVED



Status
juvenile = J
nest N
flyover = X
BTBW observed = O (sex unknown)

Indicate when first observed

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Status
BTBW singing male = S
BTBW male (seen) = M
BTBW female (seen) = F
BTBW pair together = P
BTBW calling (?? sex) = C
BTBW → BTBW change in position
BTBW ‖ GTBW simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T4-2			NATIVE GRASSLAND

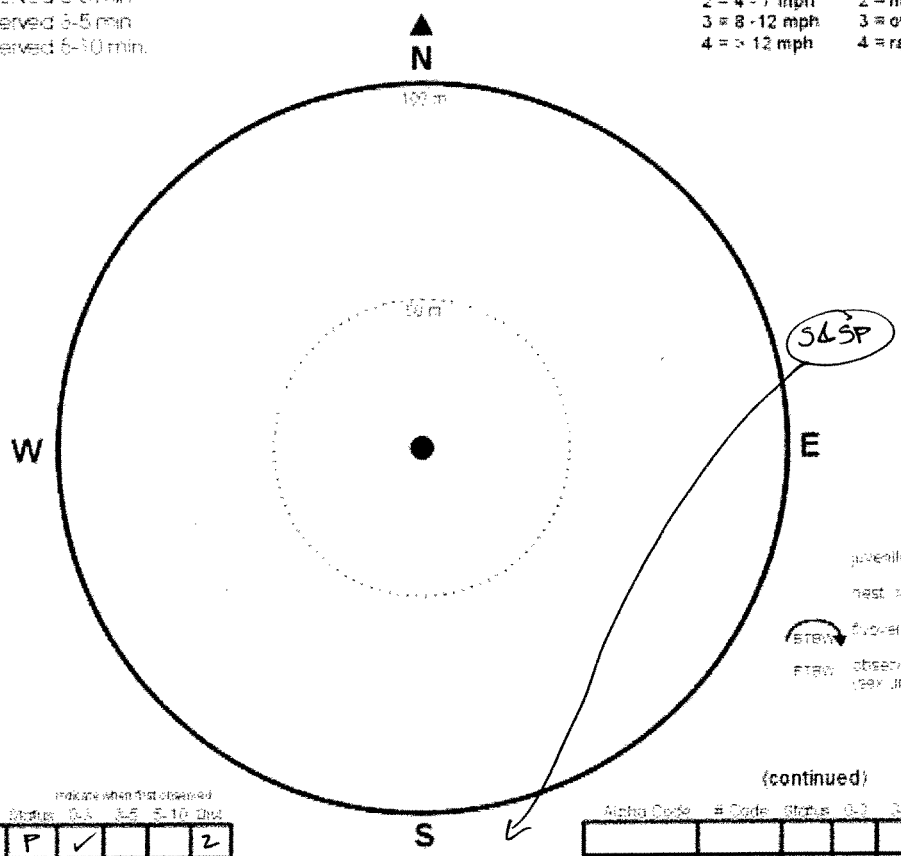
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
9	18	07	1456	JM, ME	87°F	2	ϕ

Wind: 0 = none; 1 = 1 - 3 mph; 2 = 4 - 7 mph; 3 = 8 - 12 mph; 4 = > 12 mph

Sky: 0 = < 10% clouds; 1 = partly cloudy; 2 = mostly cloudy; 3 = overcast; 4 = raining

BTBW = first observed 0-3 min
BTBW ✓ = first observed 3-5 min
BTBW ✗ = first observed 5-10 min

Notes:



Status
juvenile = J
nest = N
flyover = X
observed = O (sex unknown)

Alpha Code	# Code	Status	0-3 (indicate when first observed)	3-5	5-10	Dist
SASP		P	✓			2

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Status
singing male = S
male (sex?) = M
female (sex?) = F
pair together = P
calling (ID sex) = C
change in position
simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T4-4			NATIVE GRASSLAND

Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
9	18	07	1334	MZ, JM	87°F	1	0

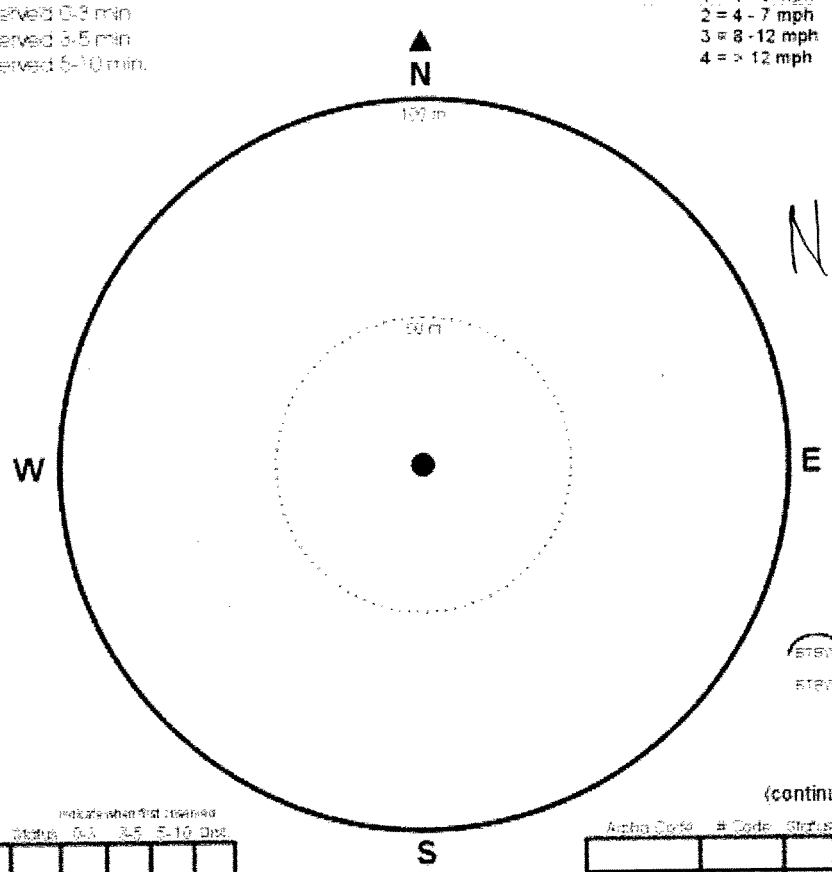
Wind: 0 = none; 1 = 1 - 3 mph; 2 = 4 - 7 mph; 3 = 8 - 12 mph; 4 = > 12 mph

Sky: 0 = < 10% clouds; 1 = partly cloudy; 2 = mostly cloudy; 3 = overcast; 4 = raining

BTBW = first observed 0-3 min
BTBW ✓ = first observed 3-5 min
BTBW ✗ = first observed 5-10 min.

Notes:

NONE OBSERVED



Status
juvenile = J
nest = N
flyover = X
observed = O
(per unknown)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Status
singing male = S
male (seen) = M
female (seen) = F
pair together = P
calling (no see) = C
change in position
simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T9-6			DIST. BIG SAGE

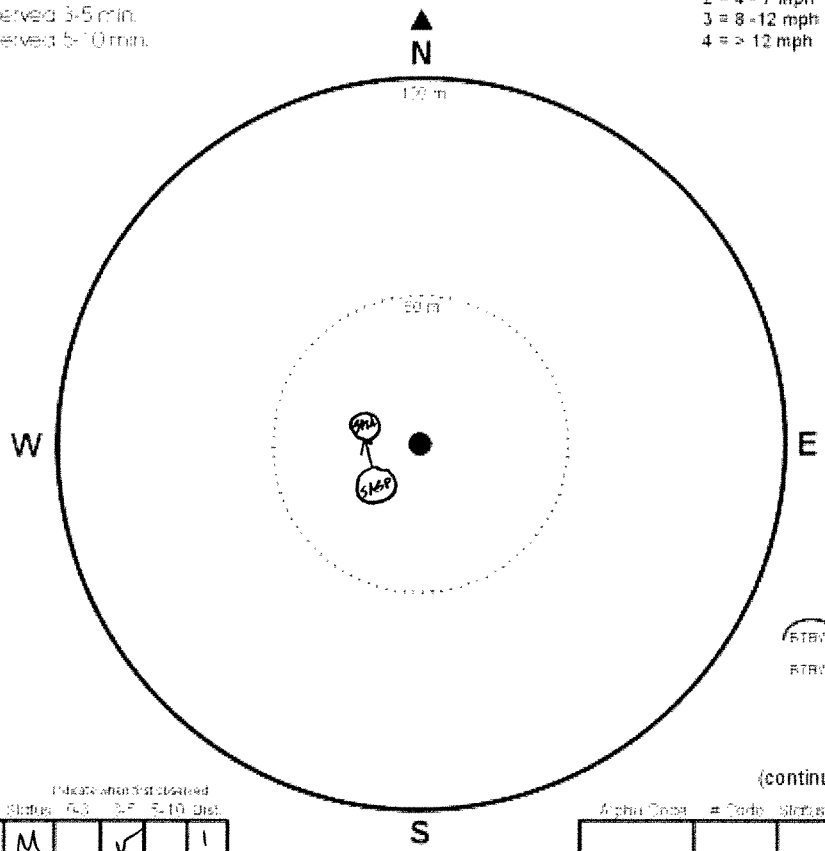
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
9	18	07	1204	MZ, JM	87°F	1	0

Wind: 0 = none; 1 = 1 - 3 mph; 2 = 4 - 7 mph; 3 = 8 - 12 mph; 4 = > 12 mph

Sky: 0 = < 10% clouds; 1 = partly cloudy; 2 = mostly cloudy; 3 = overcast; 4 = raining

BTBW = first observed 0-3 min.
BTBW ✓ = first observed 3-5 min.
BTBW ✗ = first observed 5-10 min.

Notes:



Status
juvenile = J
nest = N
flyover = X
observed = O (sex unknown)

Alpha Code	# Code	Status	Indicate when first observed 0-3	3-5	5-10	Dist.
SAGP		M		✓		1

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Status
singing male = S
male (silent) = M
female (silent) = F
pair together = P
calling (female) = C
BTBW → BTBW change in position
BTBW ‖ BTBW simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T4-8			Big Sage

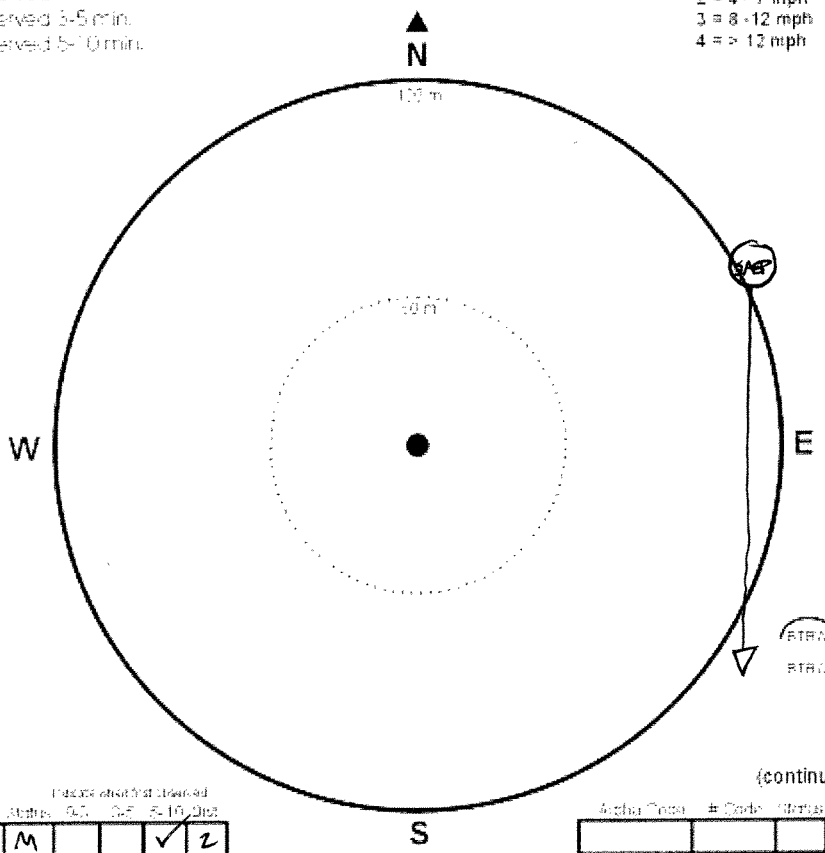
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
9	18	07	0900	JM, MZ	75	0	0

Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 - 12 mph
4 = > 12 mph

Sky:
0 = < 10% clouds
1 = partly cloudy
2 = mostly cloudy
3 = overcast
4 = raining

BTBW = first observed 0-3 min.
BTBW ✓ = first observed 3-5 min.
BTBW ✗ = first observed 5-10 min.

Notes:



Status
juvenile = J
nest N
BTBW flyover = X
BTBW observed = O (sex unknown)

Alpha Code	# Code	Status	Indicate when first observed 0-3	3-5	5-10	Dist.
SASP		M			✓	2

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Status
BTBW singing male = S
BTBW male (sex) = M
BTBW female (sex) = F
BTBW pair together = P
BTBW calling (?? sex) = C
BTBW → BTBW change in position
BTBW — BTBW simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T4-10			ROADSIDE DITCH

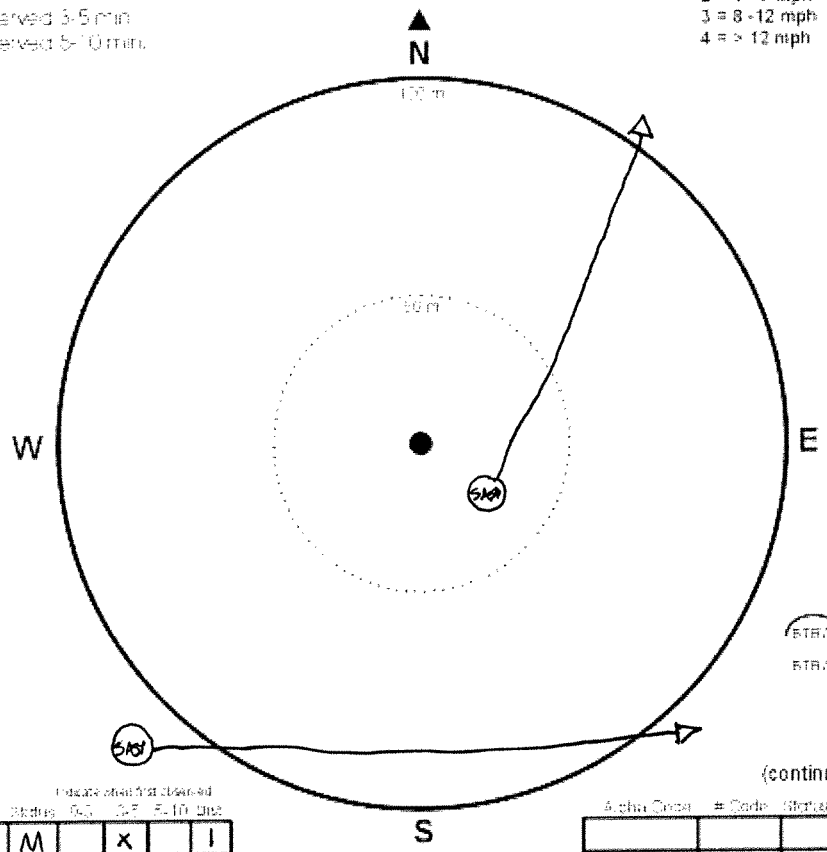
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
9	18	07	0930	JM, MZ	80	1	0

Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 - 12 mph
4 = > 12 mph

Sky:
0 = < 10% clouds
1 = partly cloudy
2 = mostly cloudy
3 = overcast
4 = raining

BTBW = first observed 0-3 min.
BTBW ✓ = first observed 3-5 min.
BTBW ✗ = first observed 5-10 min.

Notes:



Status
juvenile = J
nest N
flyover = X
BTBW observed = O (sex unknown)

Indicate when first observed

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.
SASP		M		X		1
SASP		M			X	3

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Status
BTBW singing male = S
BTBW male (silent) = M
BTBW female (silent) = F
BTBW pair together = P
BTBW calling (?? sex) = C
BTBW → BTBW change in position
BTBW ‖ BTBW simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T6-2			NATIVE GRASSLAND

Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
9	18	07	1430		84°F	1	1

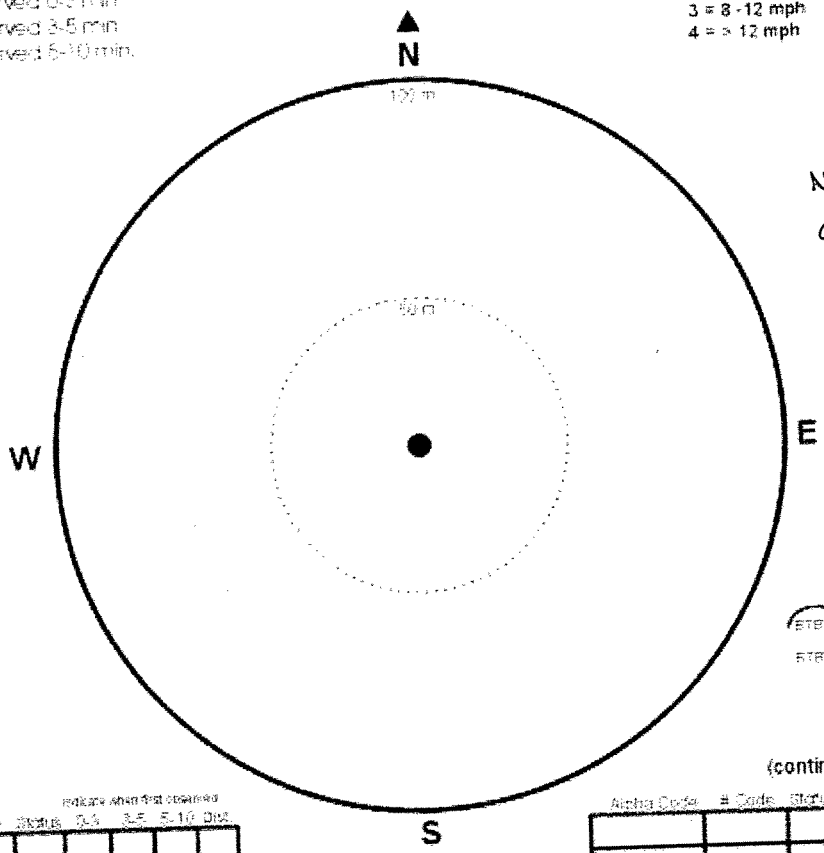
Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 - 12 mph
4 = > 12 mph

Sky:
0 = < 10% clouds
1 = partly cloudy
2 = mostly cloudy
3 = overcast
4 = raining

BTBW = first observed 0-3 min
BTBW ✓ = first observed 3-5 min
BTBW ✗ = first observed 5-10 min

Notes:

NO BIRDS OBSERVED



Status
juvenile = J
nest = N
flyover = X
observed = O

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Status
singing male = S
male (song) = M
female (song) = F
pair together = P
calling (27 sec) = C
change in position
simultaneous song of 2 males

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	TG-4			Native Grassland

Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
9	18	07	1358	MZ, JM	87°F	1	0

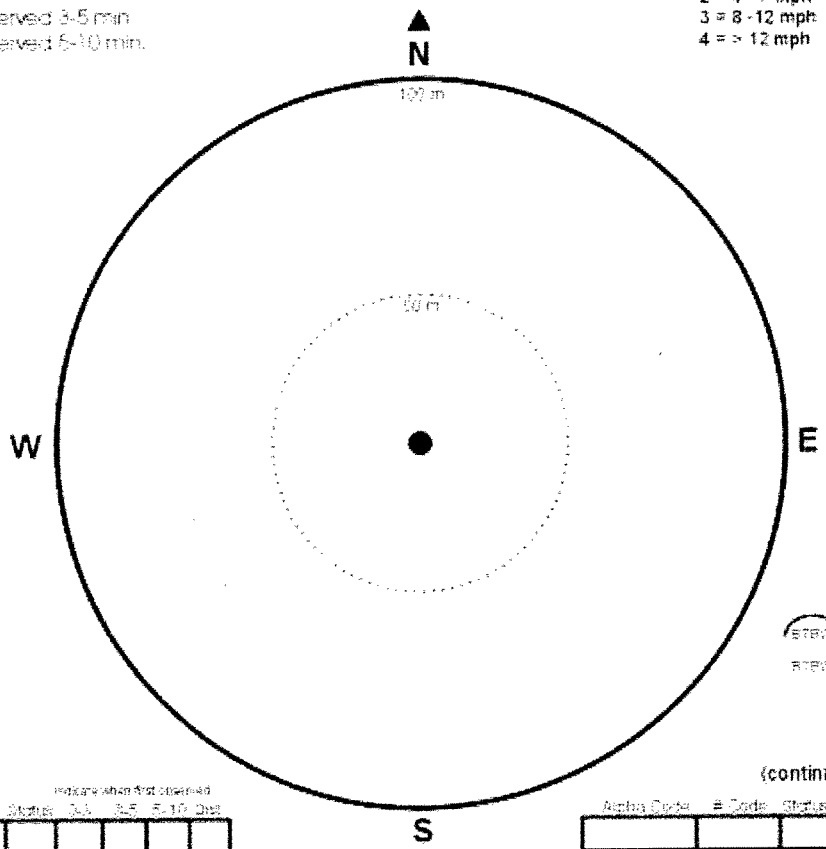
Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 - 12 mph
4 = > 12 mph

Sky:
0 = < 10% clouds
1 = partly cloudy
2 = mostly cloudy
3 = overcast
4 = raining

BTBW = first observed 0-3 min
BTBW ✓ = first observed 3-5 min
BTBW ✗ = first observed 5-10 min.

Notes:

None Observed



Status
juvenile = J
nest = N
BTBW f. over = X
BTBW observed = O
(sex unknown)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Status
singing male = S
male (seen) = M
female (seen) = F
pair together = P
calling (?? sex) = C
change in position
simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T6-6			BIG SAGE

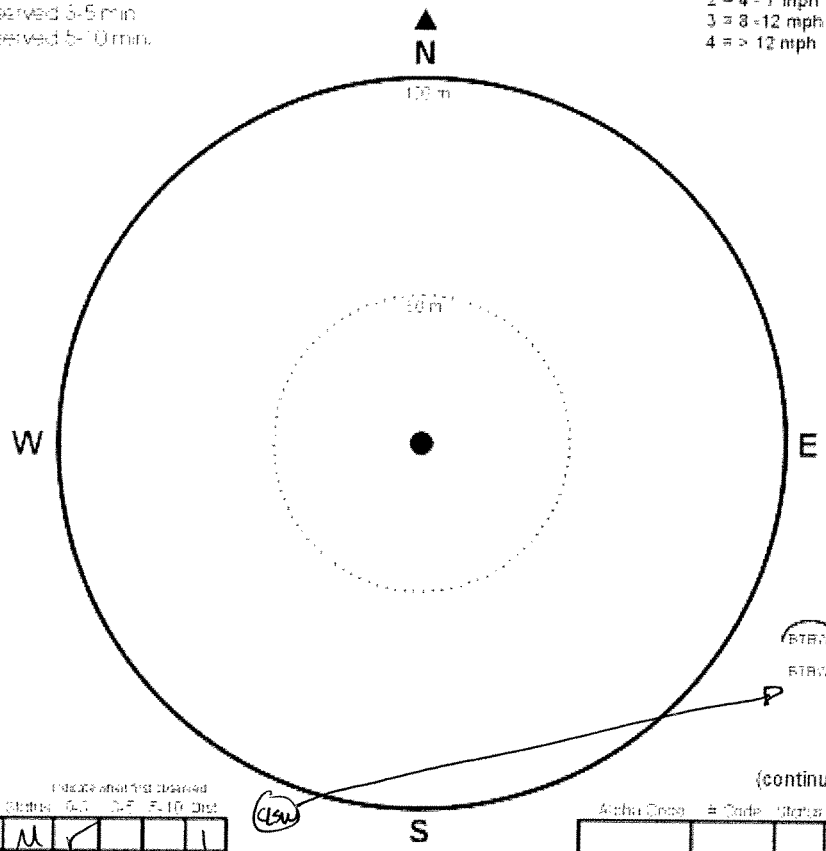
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
9	18	07	1132	MZ, JM	85	1	0

Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 - 12 mph
4 = > 12 mph

Sky:
0 = < 10% clouds
1 = partly cloudy
2 = mostly cloudy
3 = overcast
4 = raining

BTBW = first observed 0-3 min.
BTBW ✓ = first observed 3-5 min.
BTBW ✗ = first observed 5-10 min.

Notes:



Status
juvenile = J
nest N
BTBW hyper = X
BTBW observed = O (sex unknown)

Alpha Code	# Code	Status	Indicate when first observed 0-3	3-5	5-10	Dist.
CLSW		M	✓			1

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Status
BTBW ringing male = S
BTBW male (sex) = M
BTBW female (sex) = F
BTBW pair together P
BTBW calling (% sex) = C
BTBW → BTBW change in position
BTBW ‖ BTBW simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T6-8			BIG SAGE

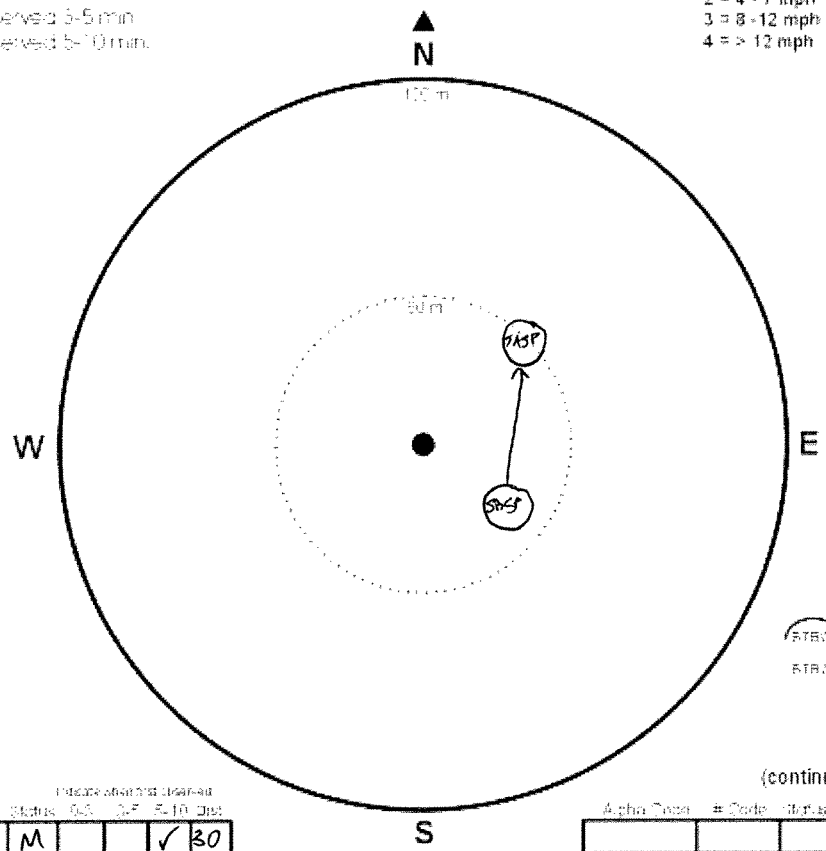
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
9	18	07	1028	JM, MZ	80	1	0

Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 - 12 mph
4 = > 12 mph

Sky:
0 = < 10% clouds
1 = partly cloudy
2 = mostly cloudy
3 = overcast
4 = raining

BTBW = first observed 0-3 min.
BTBW ✓ = first observed 3-5 min.
BTBW ✗ = first observed 5-10 min.

Notes:



Status
juvenile = J
nest N
BTBW fly-over = X
BTBW observed = O (sex unknown)

Alpha Code	# Code	Status	Indicate when first observed 0-3	3-5	5-10	Dist
SASP		M			✓	30

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Status
BTBW singing male = S
BTBW male (seen) = M
BTBW female (seen) = F
BTBW pair together = P
BTBW calling (% sex) = C
BTBW → BTBW change in position
BTBW ‖ BTBW simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	PINON RIDGE MILL T7-9			SAGEBRUSH

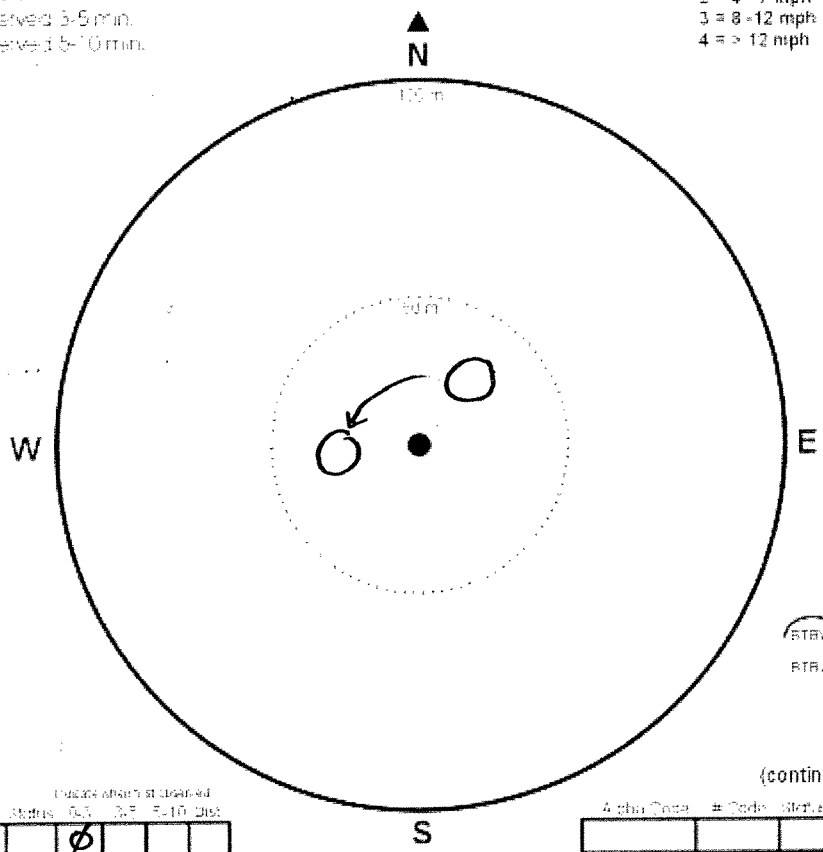
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
08	23	07	0939	JM/SB		0 MILD	∅

Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 -12 mph
4 = > 12 mph

Sky:
0 = < 10% clouds
1 = partly cloudy
2 = mostly cloudy
3 = overcast
4 = raining

BTBW = first observed 0-3 min.
BTBW ✓ = first observed 3-5 min.
BTBW ✗ = first observed 5-10 min.

Notes:



Status
juvenile = J
nest N
flyover = X
BTBW observed = O (sex unknown)

Alpha Code	# Code	Status	Indicate when first observed 0-3	3-5	5-10	Dist.
			∅			
SPARROW				✓		1

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Status
singing male = S
male (seen) = M
female (seen) = F
pair together = P
calling (%) sex = C
change in position
simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer
1 = < 50 m 2 = 50 - 100 m 3 = > 100 m

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
[illegible]	[illegible]			[illegible]

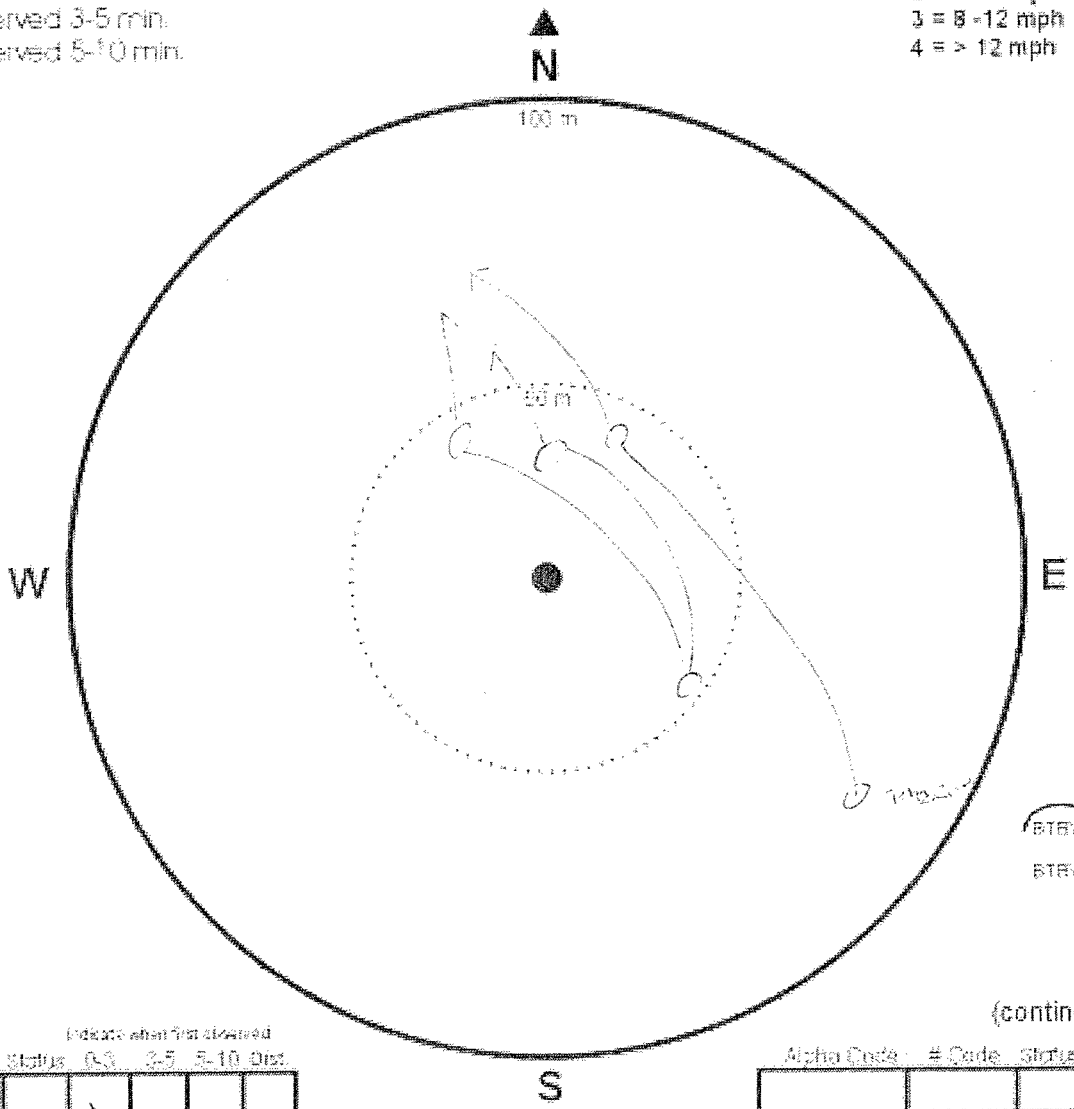
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
01	16	09		[illegible]	15°	[illegible]	[illegible]

Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 -12 mph
4 = > 12 mph

Sky:
0 = < 10% cloud
1 = partly cloudy
2 = mostly cloud
3 = overcast
4 = raining

BTBW = first observed 0-3 min.
BTBW ✓ = first observed 3-5 min.
BTBW ✗ = first observed 5-10 min.

Notes:



Status
juvenile = J
nest = N
flyover = X
BTBW observed = O (sex unknown)

Alpha Code	# Code	Status	Indicate when first observed 0-3	3-5	5-10	Dist.
				✓		
				✓		

Dist. = minimum distance from observer

Status
singing male = S
male (some) = M
female (some) = F
pair together = P
calling (?? sex) = C
change in position
simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T1-5			[illegible]

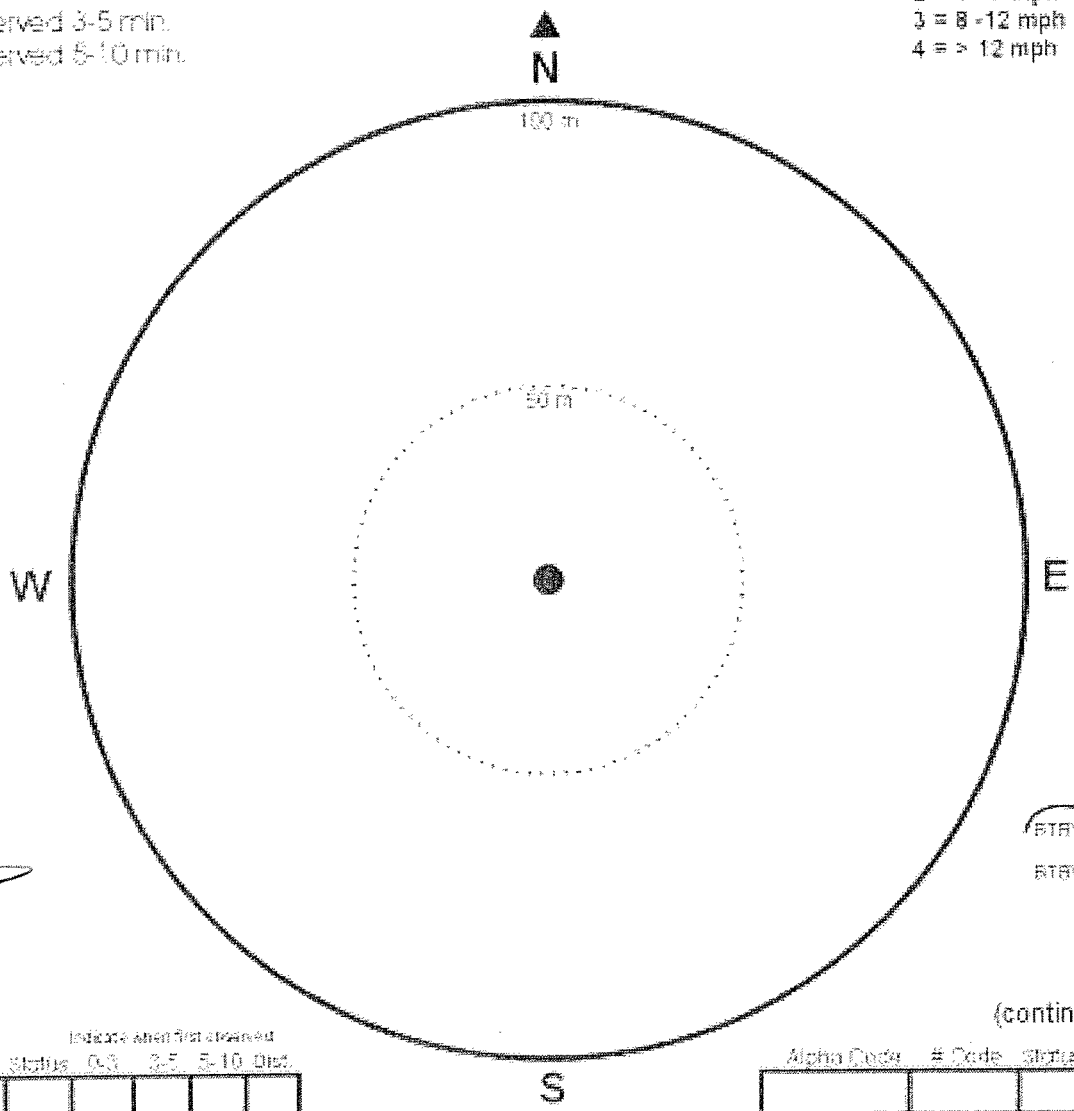
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
1	16	09	1229	JM MZ			

Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 - 12 mph
4 = > 12 mph

Sky:
0 = < 10% cloud
1 = partly cloudy
2 = mostly cloud
3 = overcast
4 = raining

BTBW = first observed 0-3 min.
BTBW ✔ = first observed 3-5 min.
BTBW ✘ = first observed 5-10 min.

Notes:



NONE OBSERVED

Status
juvenile = J
nest = N
flyover = X
BTBW observed = O (sex unknown)

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Indicate when first observed

Dist. = minimum distance from observer

Status
singing male = S
male (silent) = M
female (silent) = F
pair together = P
calling (no sex) = C
changes in position
simultaneous song of 2 males

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
Co	T1-7			GRASSLAND

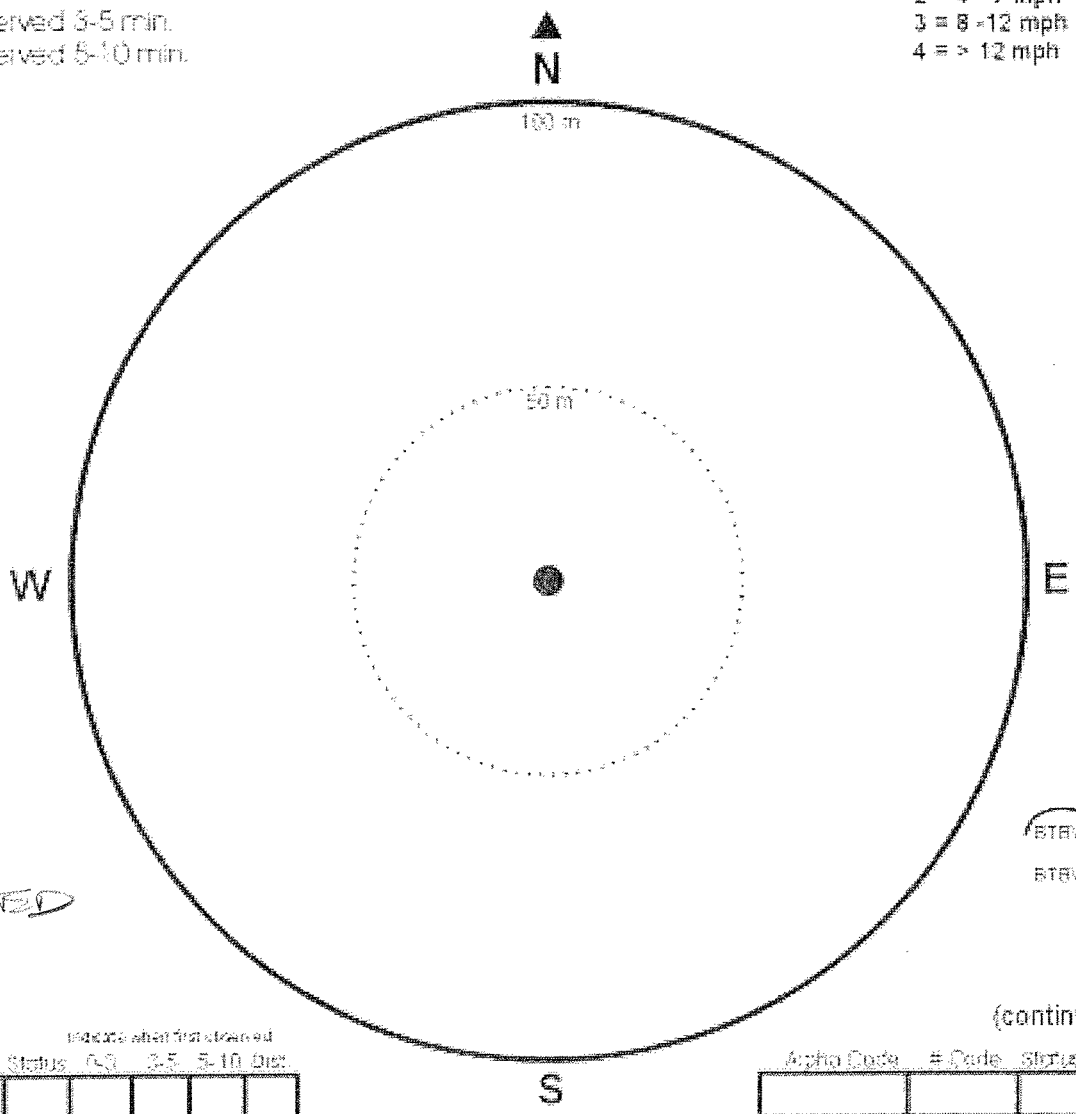
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
1	16	08	1245	JM LB MZ	20	2	0

Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 -12 mph
4 = > 12 mph

Sky:
0 = < 10% clouds
1 = partly cloudy
2 = mostly cloudy
3 = overcast
4 = raining

BTBW = first observed 0-3 min.
BTBW ✓ = first observed 3-5 min.
BTBW ✗ = first observed 5-10 min.

Notes:



NO BIRDS OBSERVED

Status
juvenile = J
nest = N
BTBW flyover = X
BTBW observed = O (sex unknown)

Status
singing male = S
male (seen) = M
female (seen) = F
pair together = P
calling (?? sex) = C
BTBW → BTBW changes in position
BTBW ‖ BTBW simultaneous song of 2 males

Alpha Code	# Code	Status	indicate when first observed 0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer.

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer.

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T1-9			DIST GRASS

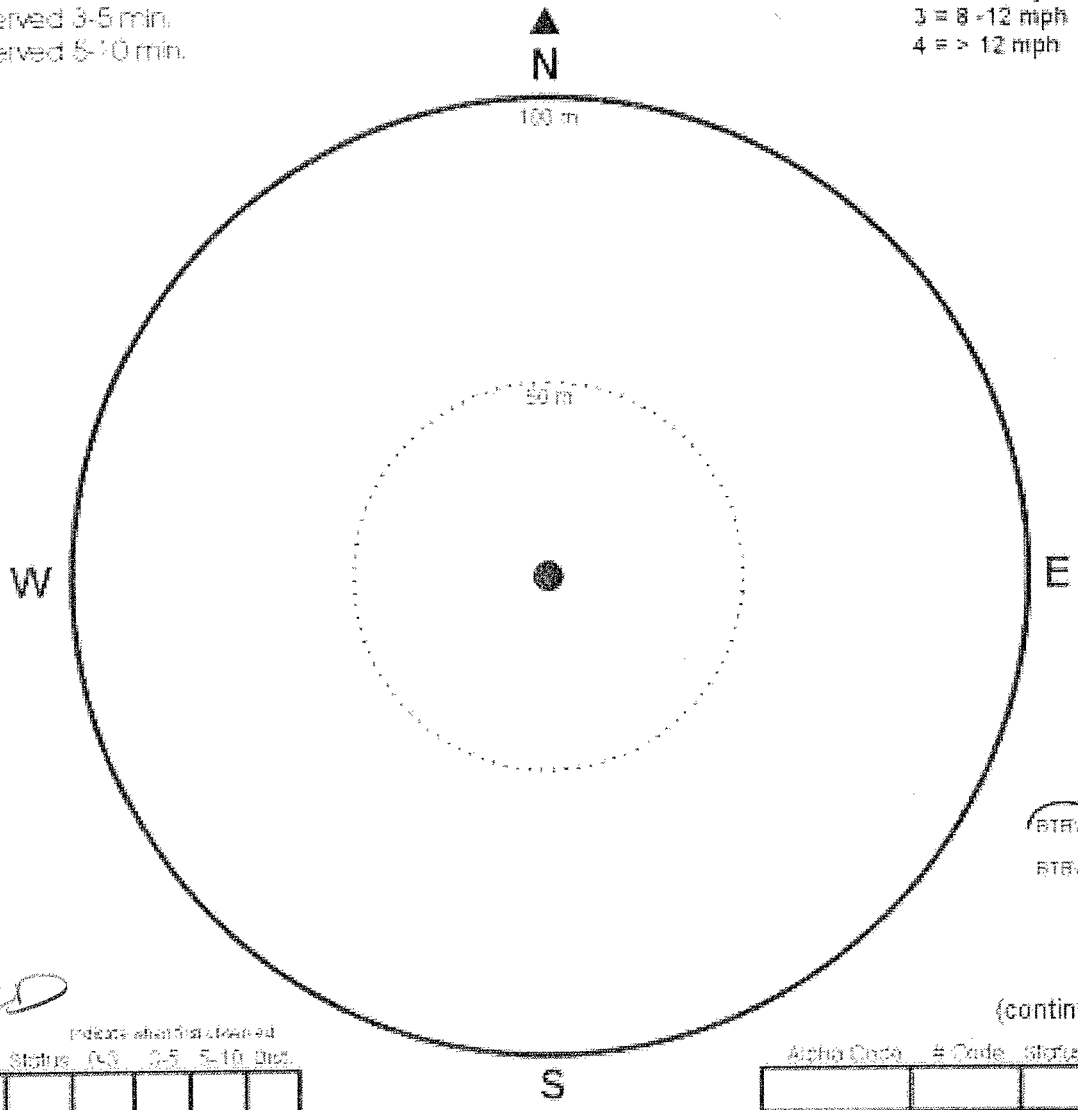
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
1	16	08	1529	JM LB MZ	20	3	0

Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 - 12 mph
4 = > 12 mph

Sky:
0 = < 10% clouds
1 = partly cloudy
2 = mostly cloudy
3 = overcast
4 = raining

BTBW = first observed 0-3 min
BTBW ✓ = first observed 3-5 min.
BTBW ✗ = first observed 5-10 min.

Notes:



Status
juvenile = J
nest = N
flyover = X
observed = O (sex unknown)

NO BIRDS OBSERVED

Indicate what first observed

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer

Status
singing male = S
male (seen) = M
female (seen) = F
pair together = P
calling (?? sex) = C
change in position
simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer.

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T3-1			PJ

Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
1	16	08	0925	JM, MZ	12	0	0

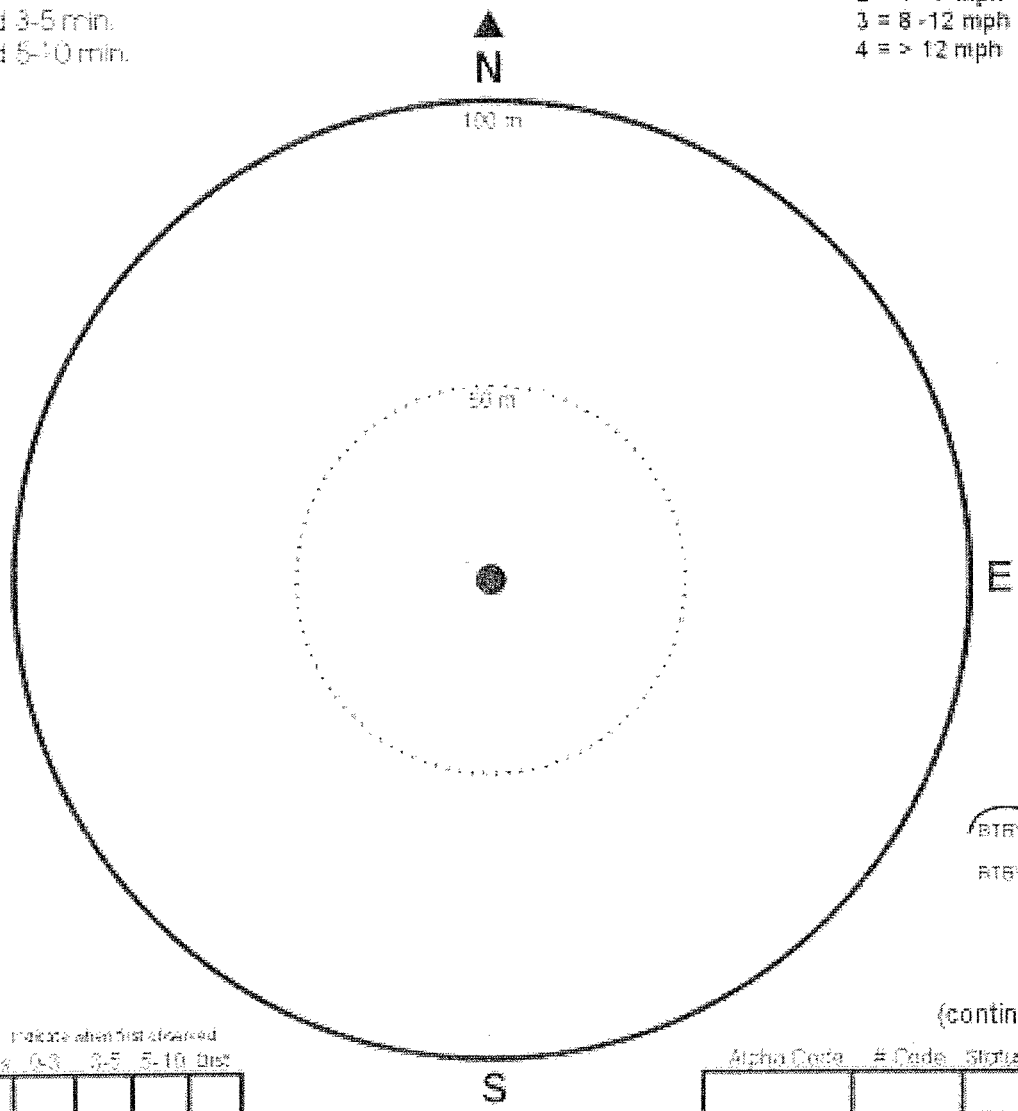
Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 - 12 mph
4 = > 12 mph

Sky:
0 = < 10% cloud
1 = partly cloudy
2 = mostly cloud
3 = overcast
4 = raining

BTBW = first observed 0-3 min.
BTBW ✔ = first observed 3-5 min.
BTBW ✘ = first observed 5-10 min.

Notes:

None Observed



Status
juvenile = J
nest = N
flyover = X
BTBW observed = O (sex unknown)

Indicate when first observed

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer

Status
singing male = S
male (seen) = M
female (seen) = F
pair together = P
calling (?? sex) = C
change in position
simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
[illegible]	T3 3			[illegible]

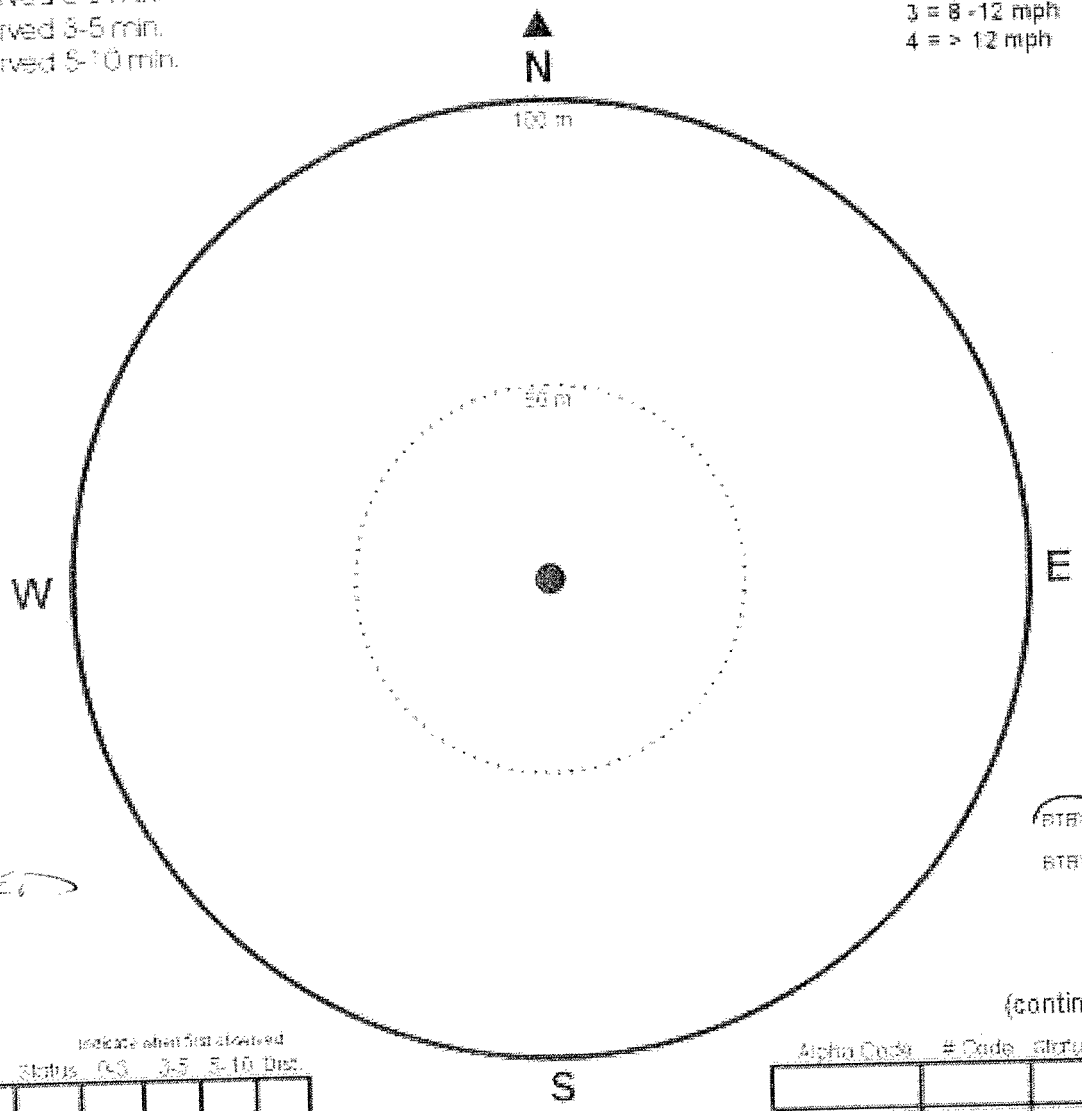
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
1	10	03	0702	JM, MZ	15	0	0

Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 -12 mph
4 = > 12 mph

Sky:
0 = < 10% clouds
1 = partly cloudy
2 = mostly cloudy
3 = overcast
4 = raining

BTBW = first observed 0-3 min.
BTBW ✓ = first observed 3-5 min.
BTBW ✗ = first observed 5-10 min.

Notes:



NONE OBSERVED

Status
juvenile = J
nest = N
BTBW flyover = X
BTBW observed = O (sex unknown)

Alpha Code	# Code	Status	Indicate when first observed 0-3	3-5	5-10	Dist.

Status
singing male = S
male (seen) = M
female (seen) = F
pair together = P
calling (?? sex) = C
change in position
simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
Co	T3-5			DISTURBED SAGE

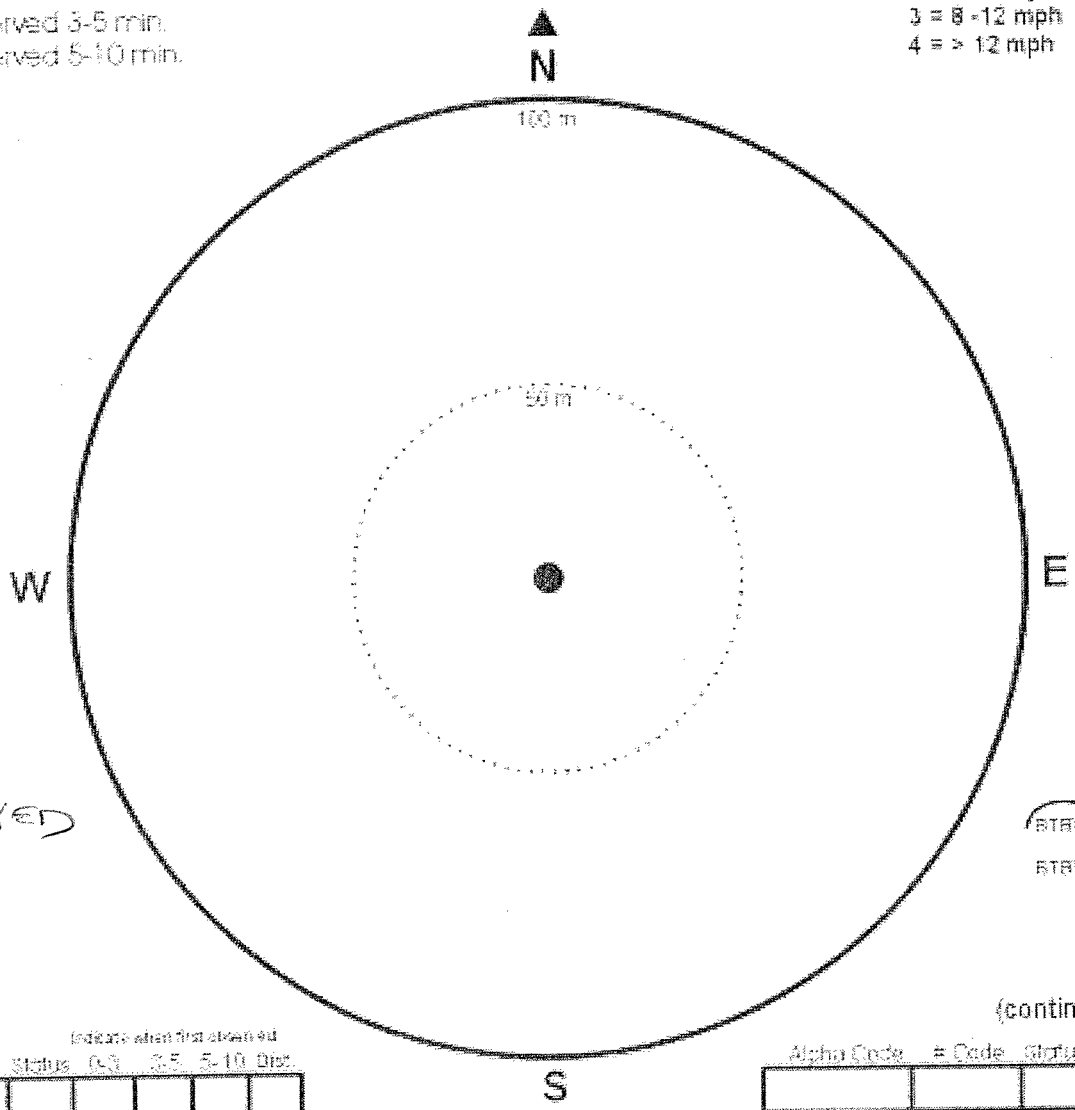
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
1	16	08	1129	JM, MZ	12°F	3	0

Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 -12 mph
4 = > 12 mph

Sky:
0 = < 10% clouds
1 = partly cloudy
2 = mostly cloudy
3 = overcast
4 = raining

BTBW = first observed 0-3 min.
BTBW ✔ = first observed 3-5 min.
BTBW ✘ = first observed 5-10 min.

Notes:



NONE OBSERVED

Status
juvenile = J
nest = N
BTBW flyover = X
BTBW observed = O (sex unknown)

Alpha Code	# Code	Status	Indicate when first observed 0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer

Status
singing male = S
male (seen) = M
female (seen) = F
pair together = P
calling (?? sex) = C
change in position
simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T3-7			Big Sagebrush

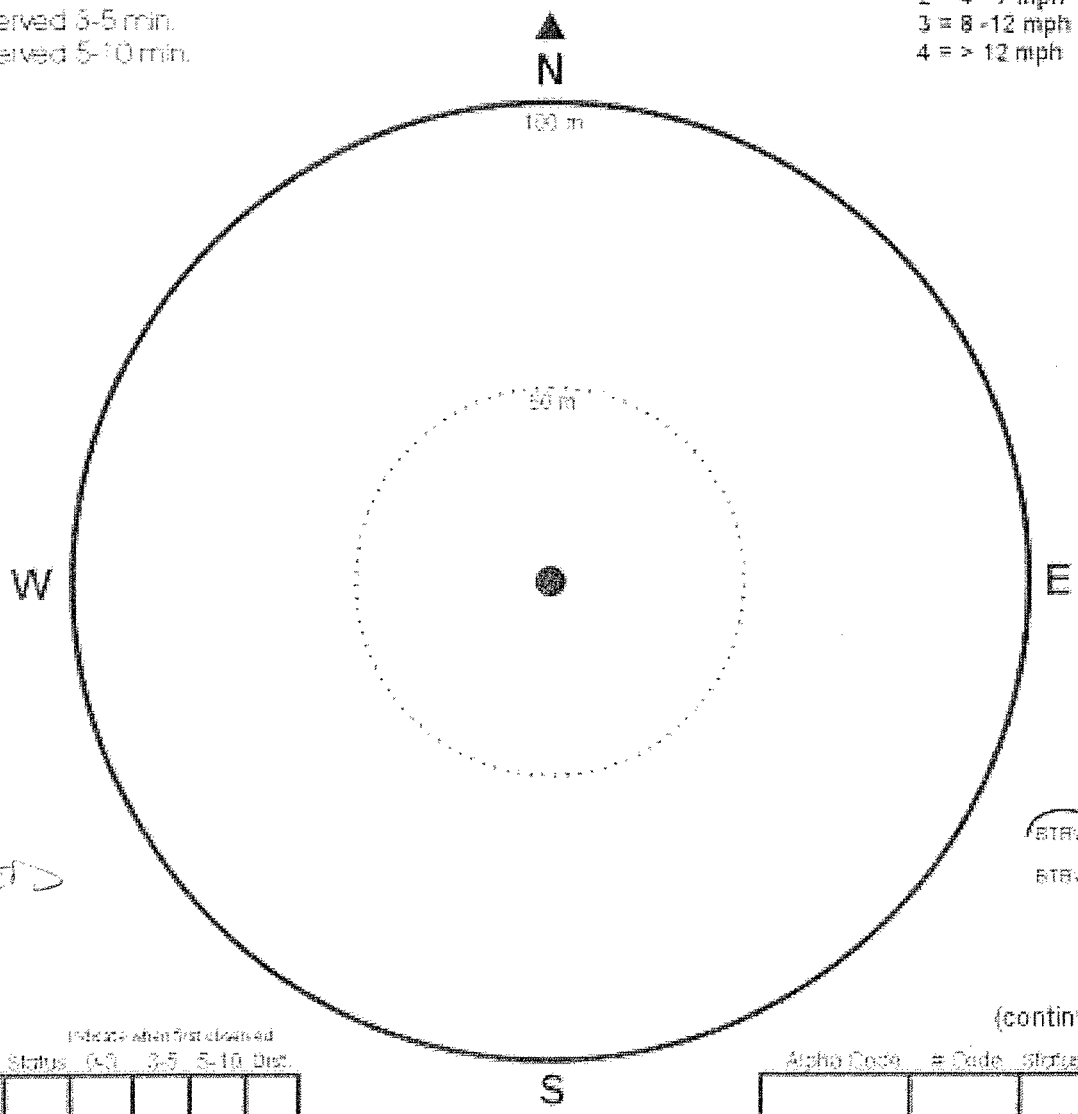
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
1	16	08	1307	JM, MZ	20°F	1	0

Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 - 12 mph
4 = > 12 mph

Sky:
0 = < 10% cloud
1 = partly cloudy
2 = mostly cloud
3 = overcast
4 = raining

BTBW = first observed 0-3 min
BTBW ✓ = first observed 3-5 min.
BTBW ✗ = first observed 5-10 min.

Notes:



None Observed

Status
juvenile = J
nest = N
BTBW flyover = X
BTBW observed = O (sex unknown)

Indicate when first observed

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer.

Status
singing male = S
male (sex?) = M
female (sex?) = F
pair together = P
calling (male sex) = C
change in position
simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer.

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T3-9			Disturbed Bk

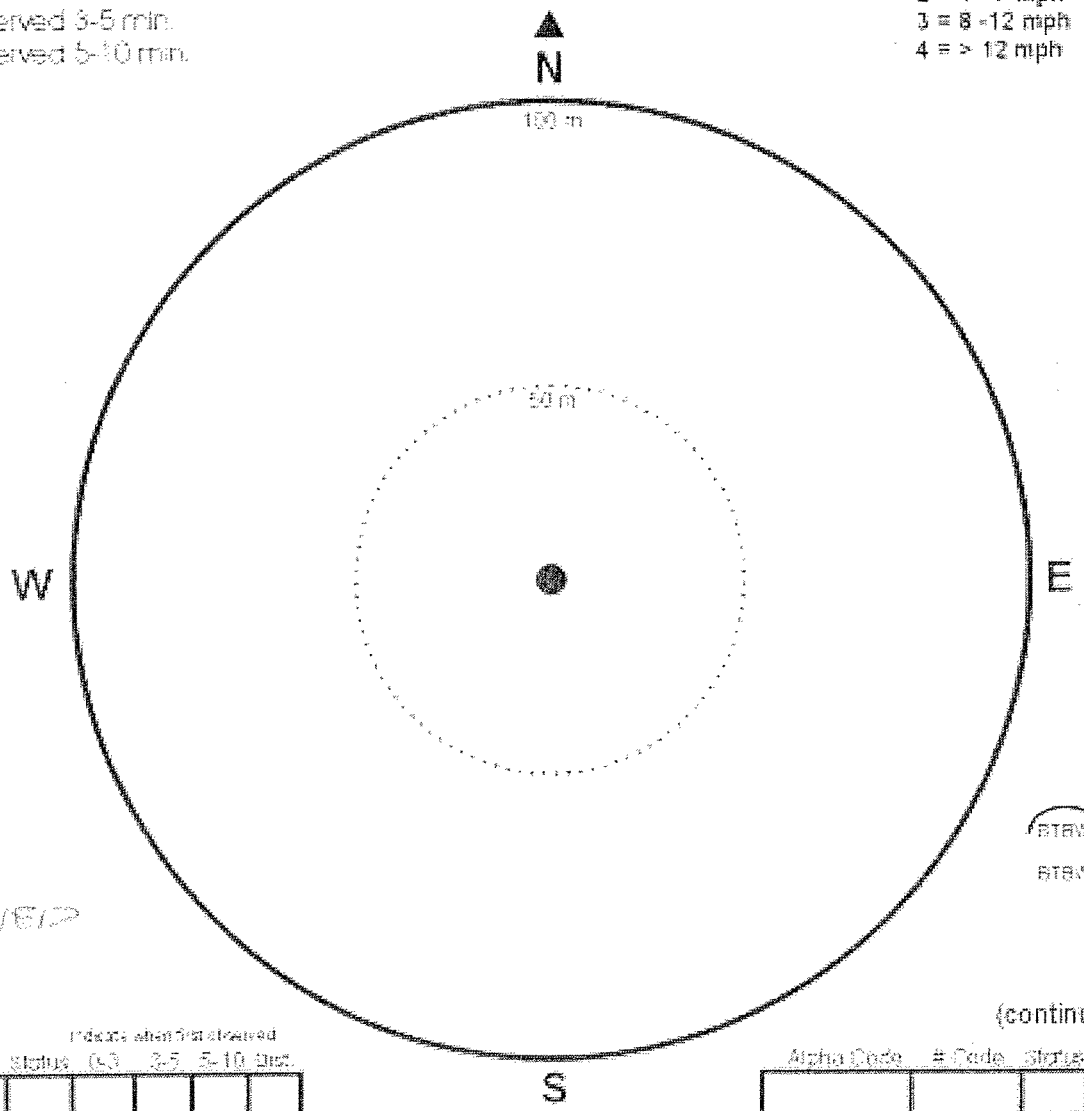
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
1	16	08	1511	JM MZ LB	20°	2	0

Wind: 0 = none; 1 = 1 - 3 mph; 2 = 4 - 7 mph; 3 = 8 -12 mph; 4 = > 12 mph

Sky: 0 = < 10% cloud; 1 = partly cloudy; 2 = mostly cloud; 3 = overcast; 4 = raining

BTBW = first observed 0-3 min
BTBW ✓ = first observed 3-5 min
BTBW ✗ = first observed 5-10 min

Notes:



NO BIRDS OBSERVED

Status
juvenile = J
nest = N
flyover = X
BTBW observed = O (sex unknown)

Alpha Code	# Code	Status	Indicate when first observed 0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer

Status
singing male = S
male (song) = M
female (song) = F
pair together = P
calling (M/F sex) = C
BTBW → BTBW changes in position
BTBW ‖ BTBW simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T5-3			

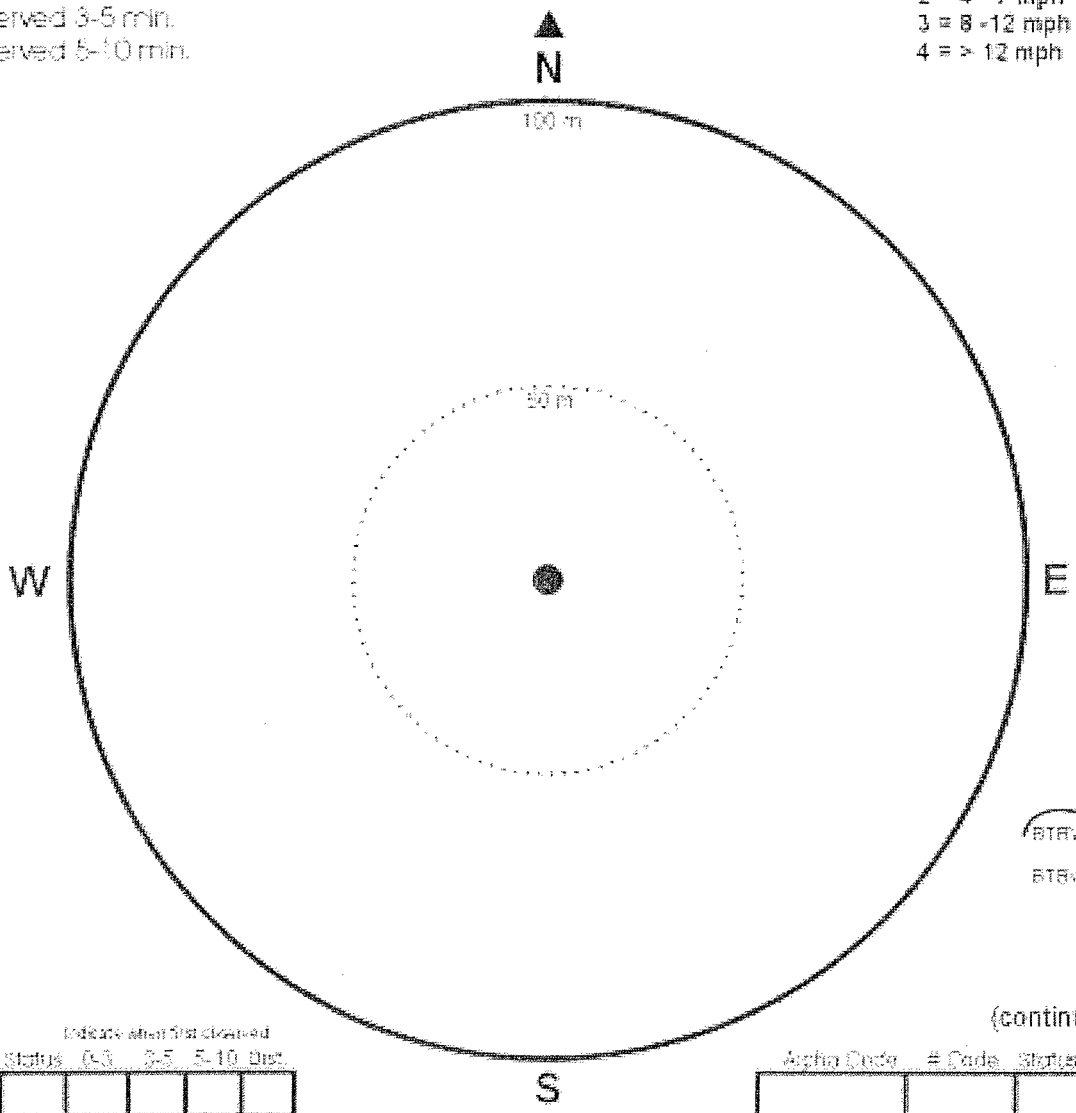
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
1	16	08	1004	JM, MZ	12°F	3	0

Wind: 0 = none; 1 = 1 - 3 mph; 2 = 4 - 7 mph; 3 = 8 - 12 mph; 4 = > 12 mph

Sky: 0 = < 10% cloud; 1 = partly cloudy; 2 = mostly cloud; 3 = overcast; 4 = raining

BTBW = first observed 0-3 min.
BTBW ✓ = first observed 3-5 min.
BTBW ✗ = first observed 5-10 min.

Notes:



Status
juvenile = J
nest = N
flyover = X
BTBW observed = ○ (sex unknown)

NONE OBSERVED

Indicate when first observed

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer

Status
singing male = S
male (song) = M
female (song) = F
pair together = P
calling (?? sex) = C
change in position
simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T5-5			BIG SAGE SHRUBLAND

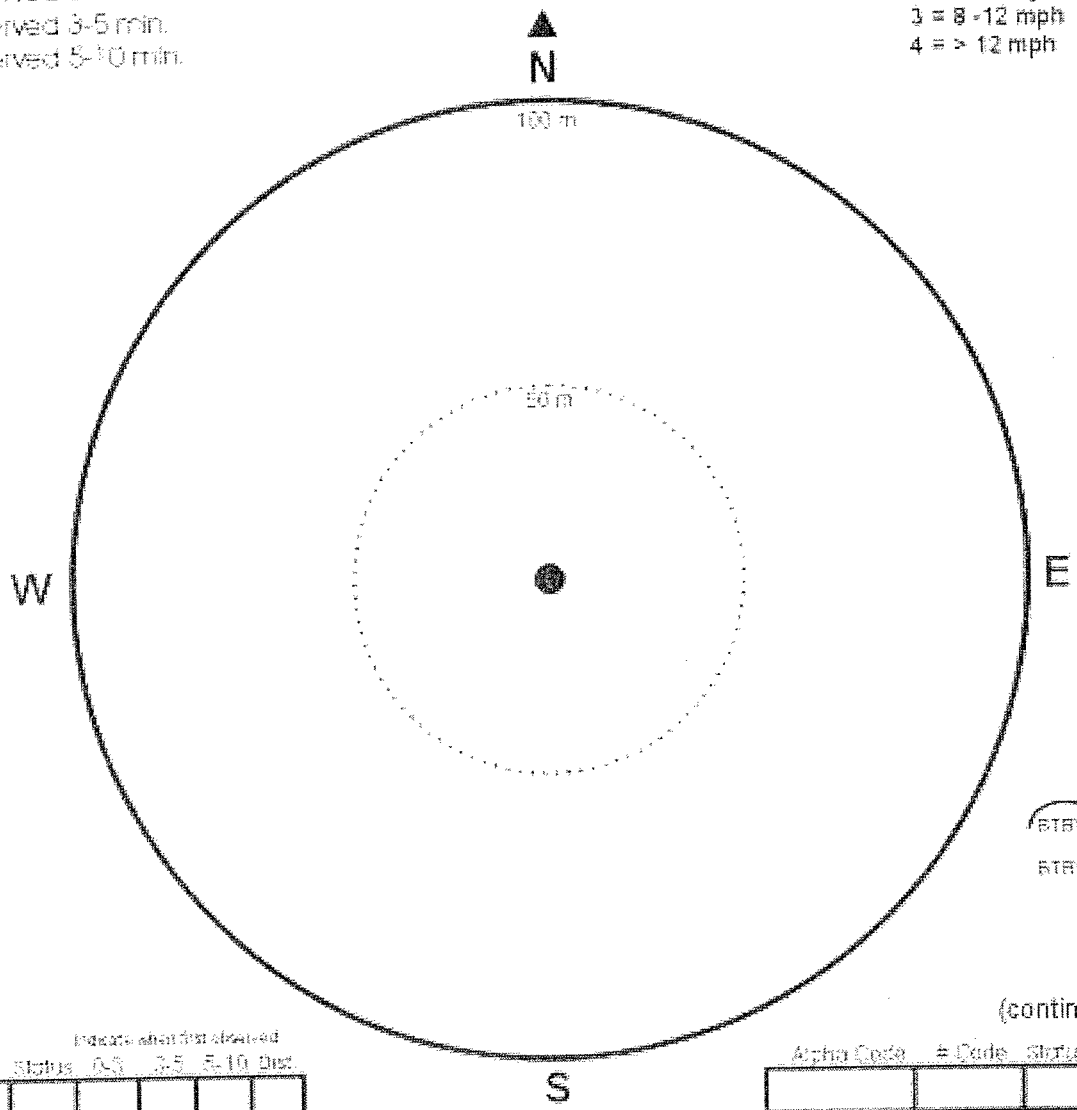
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
1	16	08	1105	JM, MZ	12°F	2	3

Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 - 12 mph
4 = > 12 mph

Sky:
0 = < 10% clouds
1 = partly cloudy
2 = mostly cloudy
3 = overcast
4 = raining

BTBW = first observed 0-3 min.
BTBW ✔ = first observed 3-5 min.
BTBW ✘ = first observed 5-10 min.

Notes:



NONE OBSERVED

Status
juvenile = J
nest = N
flyover = X
BTBW observed = O (sex unknown)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer.

Status
singing male = S
male (silent) = M
female (silent) = F
pair together = P
calling (?? sex) = C
change in position
simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer.
1 = < 50 m; 2 = 50 - 100 m; 3 = > 100 m

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T5-7			Big Cage Shrub

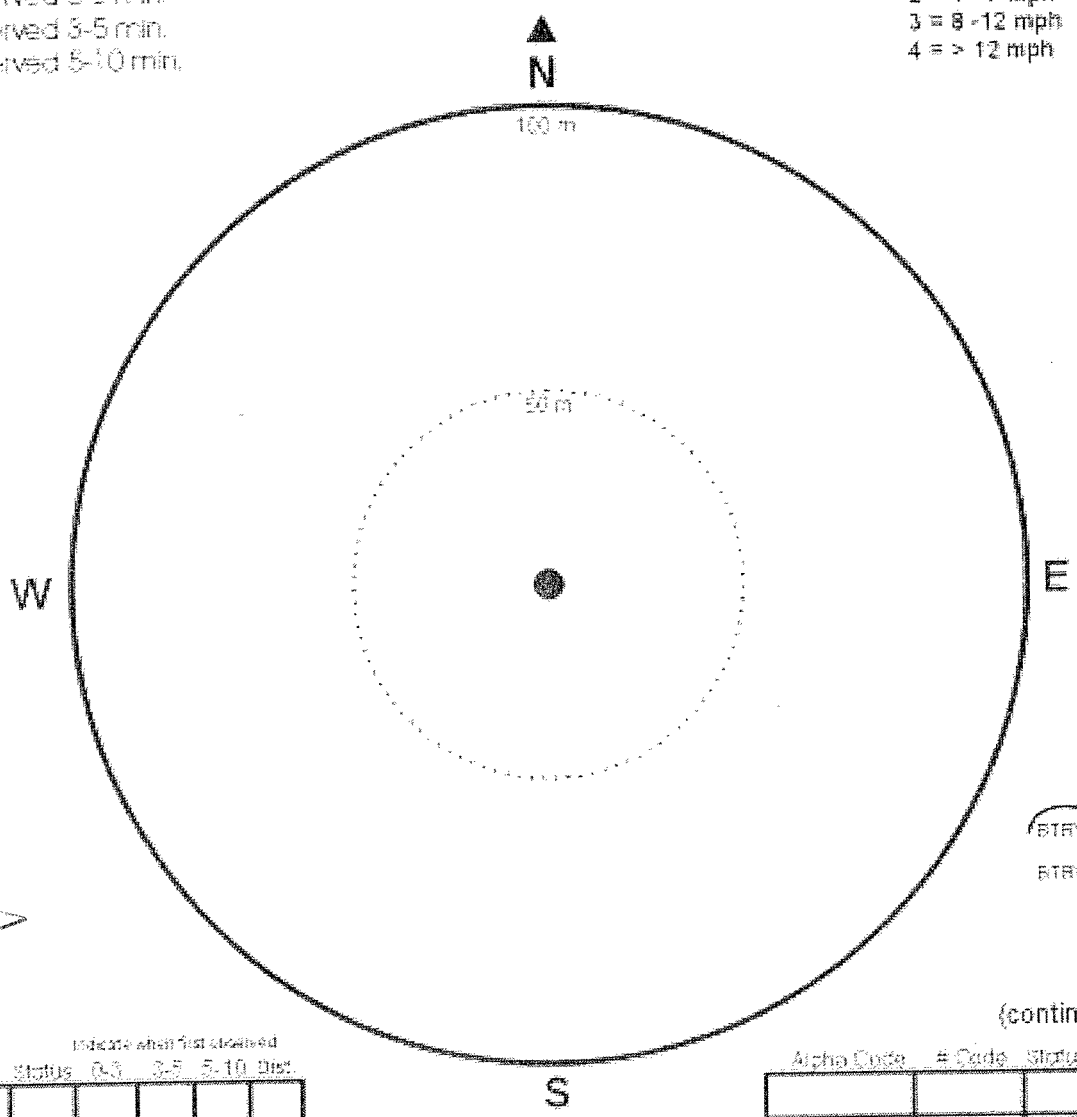
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
1	16	08	1332	JM, MZ	20°F	0	0

Wind: 0 = none; 1 = 1 - 3 mph; 2 = 4 - 7 mph; 3 = 8 - 12 mph; 4 = > 12 mph

Sky: 0 = < 10% clouds; 1 = partly cloudy; 2 = mostly cloudy; 3 = overcast; 4 = raining

BTBW = first observed 0-3 min.
BTBW ✔ = first observed 3-5 min.
BTBW ✘ = first observed 5-10 min.

Notes:



NONE OBSERVED

Status

juvenile =	J
nest =	N
flyover =	X
BTBW observed = (sex unknown)	O

Status

singing male =	S
male (sex?) =	M
female (sex?) =	F
pair together =	P
calling (?? sex) =	C
BTBW → BTBW changes in position	
BTBW ‖ BTBW simultaneous song of 2 males	

Indicate when first observed

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer.

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer.

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T5-9			BIG SAGE

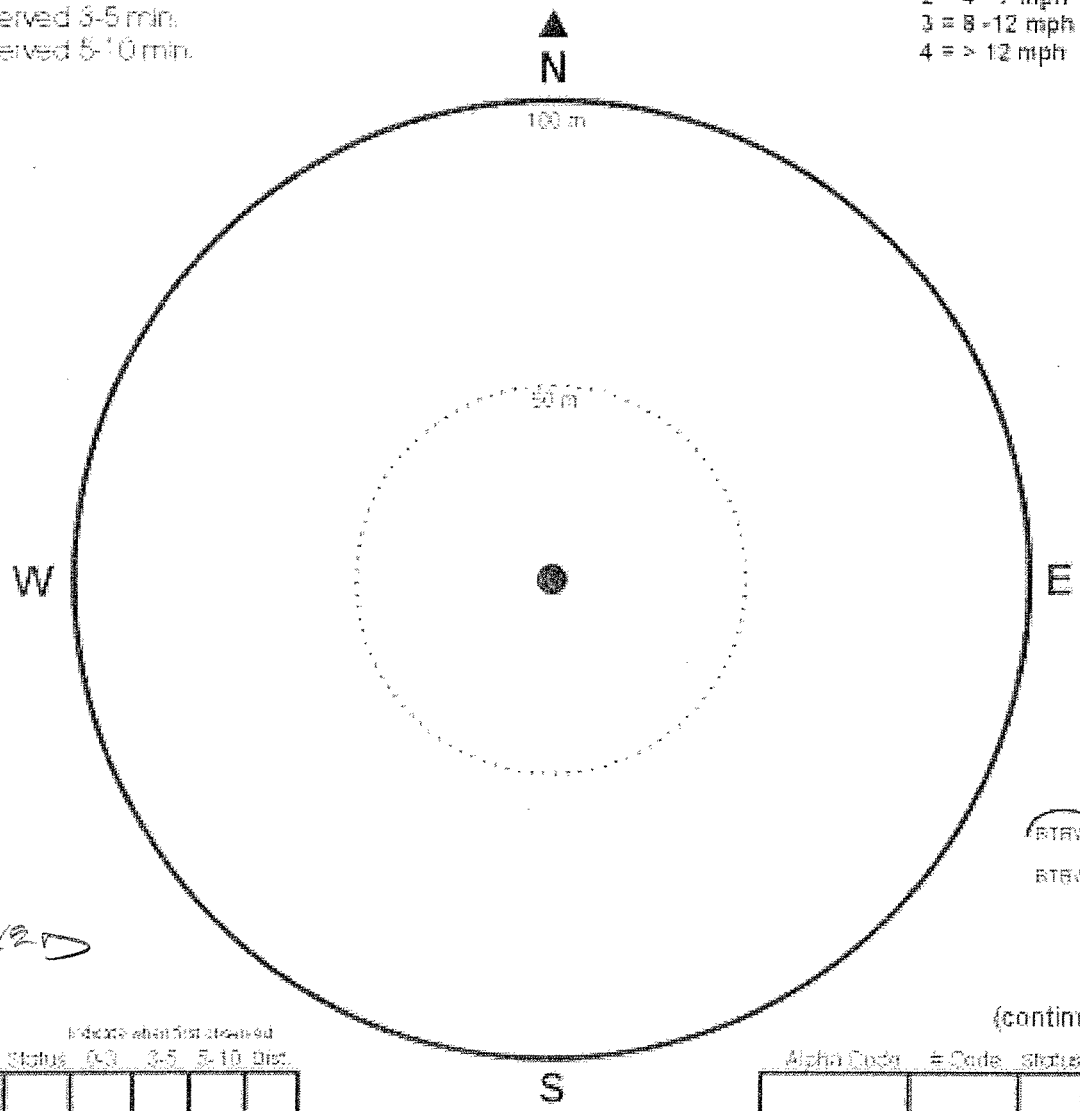
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
1	16	08	1443	JM, MZ	20°F	0	0

Wind: 0 = none; 1 = 1 - 3 mph; 2 = 4 - 7 mph; 3 = 8 - 12 mph; 4 = > 12 mph

Sky: 0 = < 10% cloud; 1 = partly cloudy; 2 = mostly cloud; 3 = overcast; 4 = raining

BTBW = first observed 0-3 min.
BTBW ✔ = first observed 3-5 min.
BTBW ✘ = first observed 5-10 min.

Notes:



NONE OBSERVED

Status
juvenile = J
nest = N
BTBW flyover = X
BTBW observed = O (sex unknown)

Alpha Code	# Code	Status	Indicate when first observed 0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer.

Status
BTBW singing male = S
BTBW male (silent) = M
BTBW female (seen) = F
BTBW pair together = P
BTBW calling (?? sex) = C
BTBW → BTBW changes in position
BTBW BTBW simultaneous sing of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer.

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T7-1			DST. GRASS

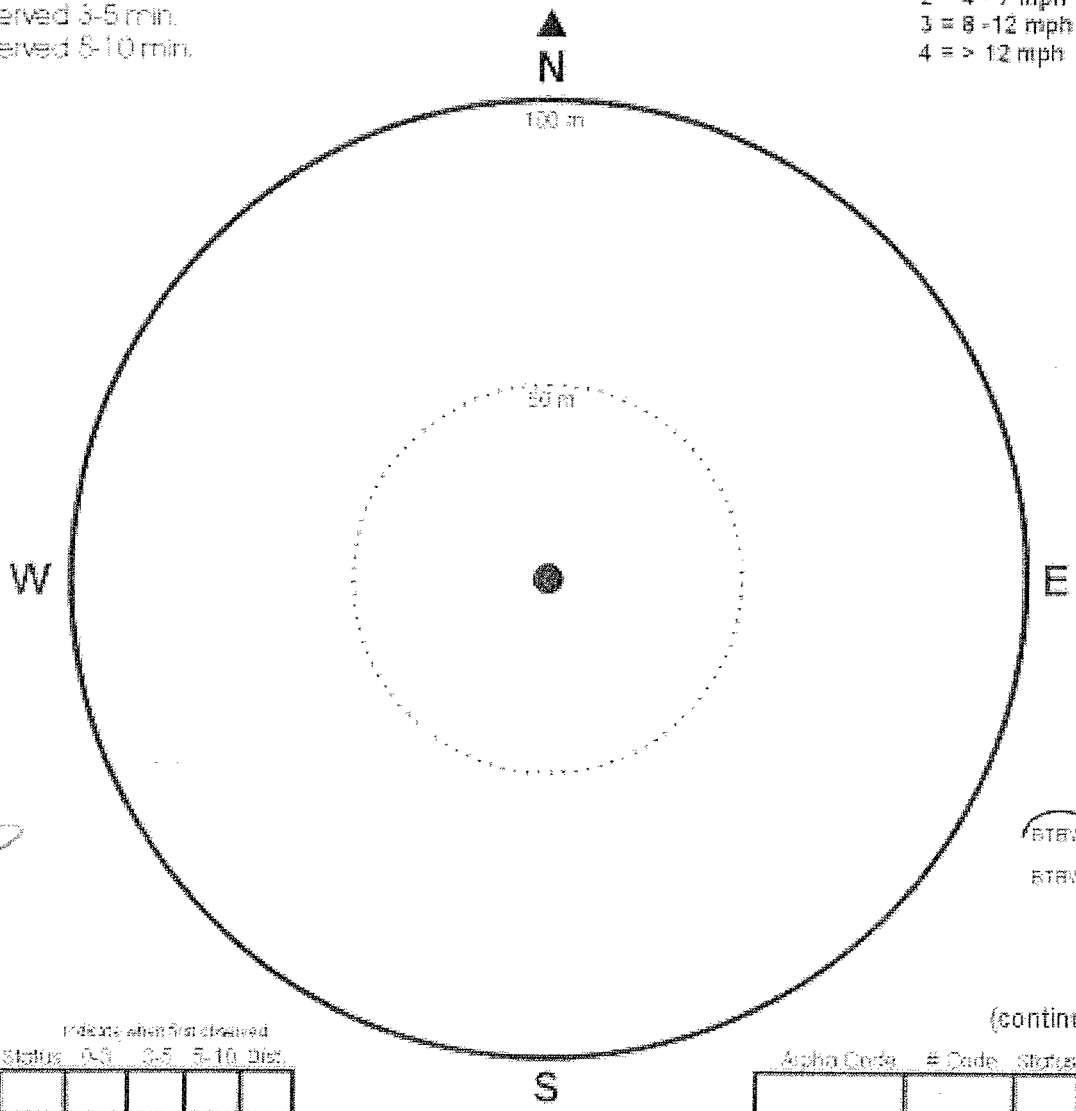
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
7	16	08	1025	MZ, JM	15°	2	0

Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 -12 mph
4 = > 12 mph

Sky:
0 = < 10% cloud
1 = partly cloudy
2 = mostly cloud
3 = overcast
4 = raining

BTBW = first observed 0-3 min
BTBW ✓ = first observed 3-5 min.
BTBW ✗ = first observed 5-10 min.

Notes:



NONE OBSERVED

Status
juvenile = J
nest = N
flyover = X
BTBW observed = ○ (sex unknown)

Alpha Code	# Code	Status	Indicate when first observed 0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer.

Status
singing male = S
male (song) = M
female (song) = F
pair together = P
calling (?? sex) = C
change in position
simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer.

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T7-5			DISTURBED GRASSL

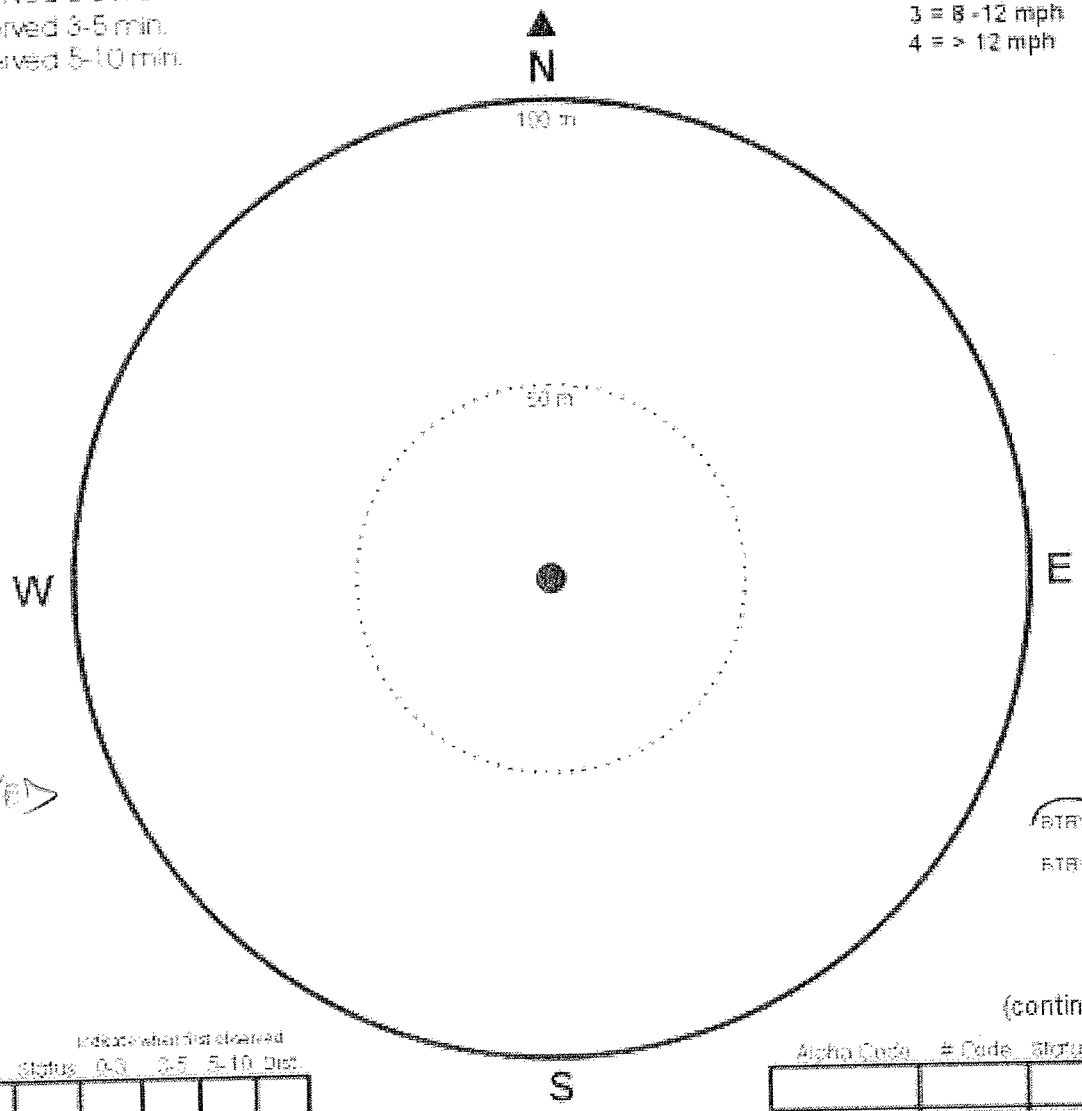
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
1	16	08	1039	JM, MZ	12°F	2	0

Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 - 12 mph
4 = > 12 mph

Sky:
0 = < 10% clouds
1 = partly cloudy
2 = mostly cloudy
3 = overcast
4 = raining

BTBW = first observed 0-3 min.
BTBW ✔ = first observed 3-5 min.
BTBW ✘ = first observed 5-10 min.

Notes:



NONE OBSERVED

Status
juvenile = J
nest = N
flyover = X
observed = O (sex unknown)

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer.
1 = < 50 m; 2 = 50 - 100 m; 3 = > 100 m

Status
singing male = S
male (band) = M
female (band) = F
pair together = P
calling (?? sex) = C
change in position
simultaneous song of 2 males

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer.
1 = < 50 m; 2 = 50 - 100 m; 3 = > 100 m

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T7-7			ROADSIDE ADJ BIG SAGE

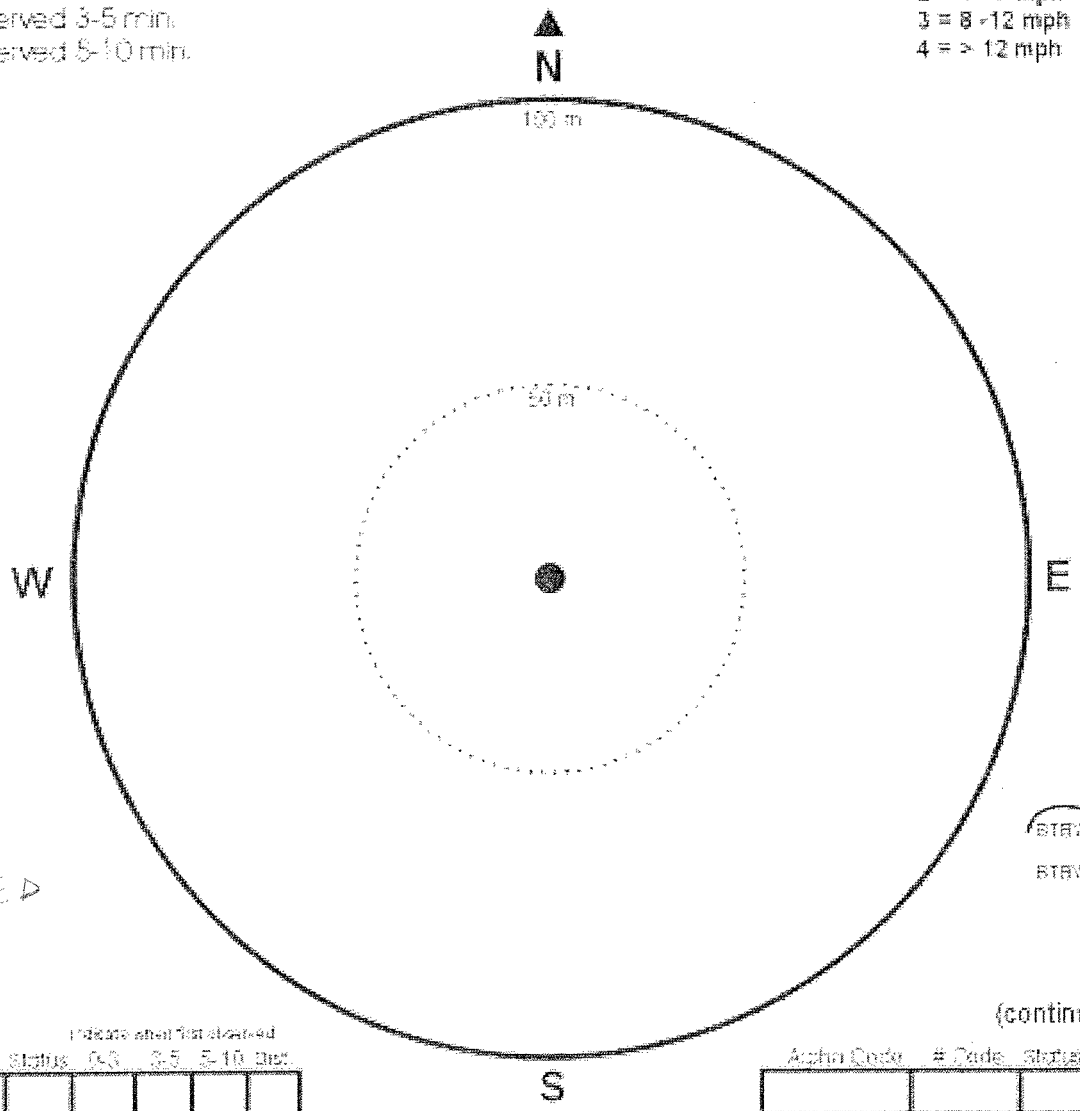
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
1	16	09	1357	JM, MZ	20°F	0	0

BTBW = first observed 0-3 min.
BTBW ✔ = first observed 3-5 min.
BTBW ✘ = first observed 5-10 min.

Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 - 12 mph
4 = > 12 mph

Sky:
0 = < 10% clouds
1 = partly cloudy
2 = mostly cloudy
3 = overcast
4 = raining

Notes:



NONE OBSERVED

Status
juvenile = J
nest = N
BTBW flyover = X
BTBW observed = ○ (sex unknown)

Alpha Code	# Code	Status	Indicate after first observed 0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer

Status
BTBW singing male = S
BTBW male (sex?) = M
BTBW female (sex?) = F
BTBW pair together = P
BTBW calling (?? sex) = C
BTBW → BTBW change in position
BTBW || BTBW simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T7-9			BIG SAGEBRUSH

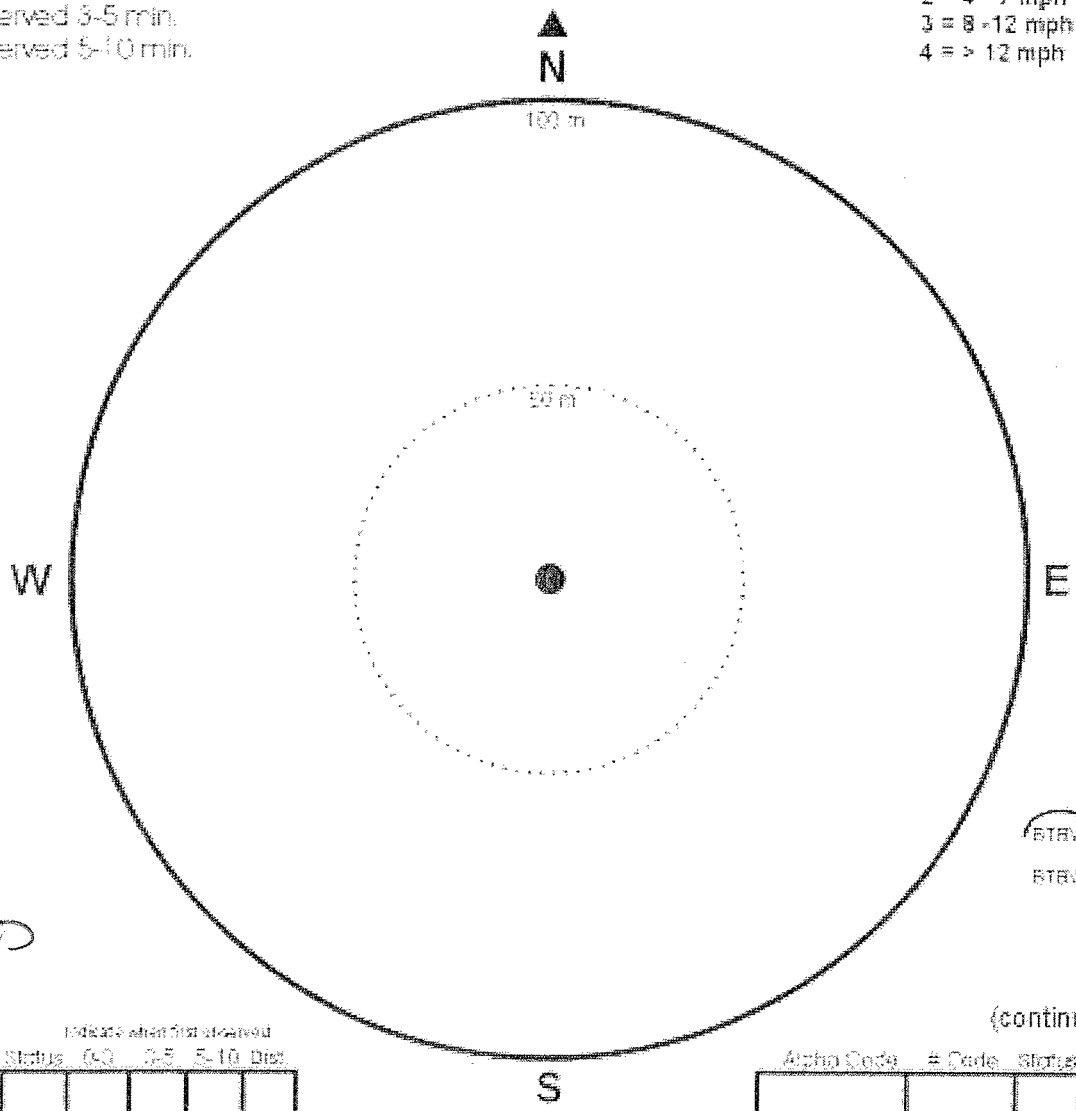
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
1	16	08	1417	JM, MZ	20°F	0	0

Wind: 0 = none; 1 = 1 - 3 mph; 2 = 4 - 7 mph; 3 = 8 -12 mph; 4 = > 12 mph

Sky: 0 = < 10% cloud; 1 = partly cloudy; 2 = mostly cloud; 3 = overcast; 4 = raining

BTBW = first observed 0-3 min.
BTBW ✔ = first observed 3-5 min.
BTBW ✘ = first observed 5-10 min.

Notes:



NONE OBSERVED

Status
- juvenile = J
- nest = N
- flyover = X
- BTBW observed = O (sex unknown)

Indicate when first observed

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer

Status
- BTBW singing male = S
- BTBW male (seen) = M
- BTBW female (seen) = F
- BTBW pair together = P
- BTBW calling (not seen) = C
- BTBW → BTBW change in position
- BTBW ‖ BTBW simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T1-3			PJ on steep slope

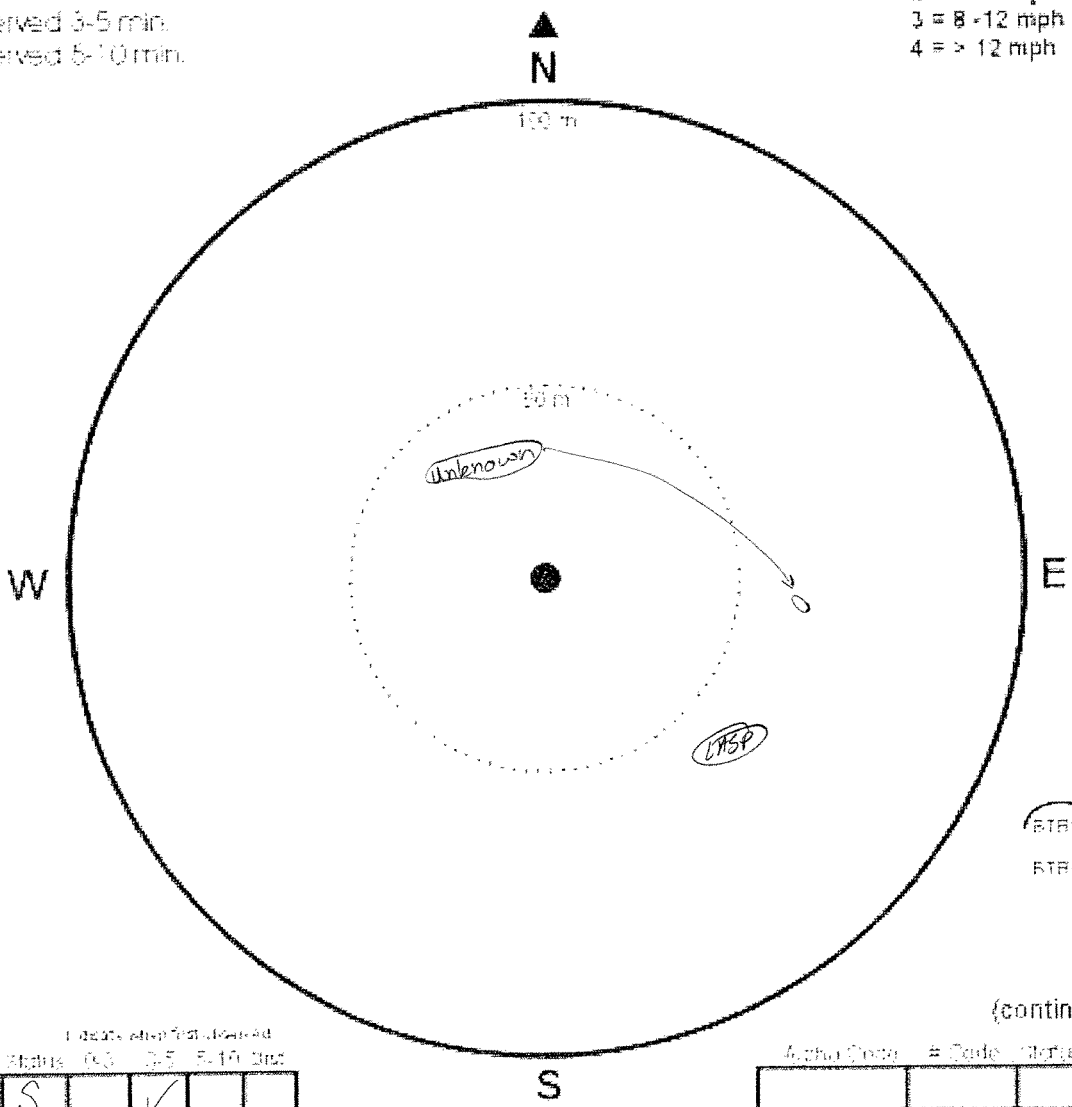
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
5	19	08	12:10	Meyer / Jones	↓ 80s	7	0

Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 - 12 mph
4 = > 12 mph

Sky:
0 = < 10% cloud
1 = partly cloudy
2 = mostly cloud
3 = overcast
4 = raining

BTBW = first observed 0-3 min
BTBW ✓ = first observed 3-5 min.
BTBW ✗ = first observed 5-10 min.

Notes:



Status
juvenile = J
nest = N
BTBW flyover = X
BTBW observed = O (see unknown)

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist
Unknown		S		✓		
LASP		S			X	

Status
singing male = S
male (seen) = M
female (seen) = F
pair together = P
calling (no sex) = C
changes in position
simultaneous song of 2 males

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist

Dist = minimum distance from observer

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	TI-5			GRASSLAND

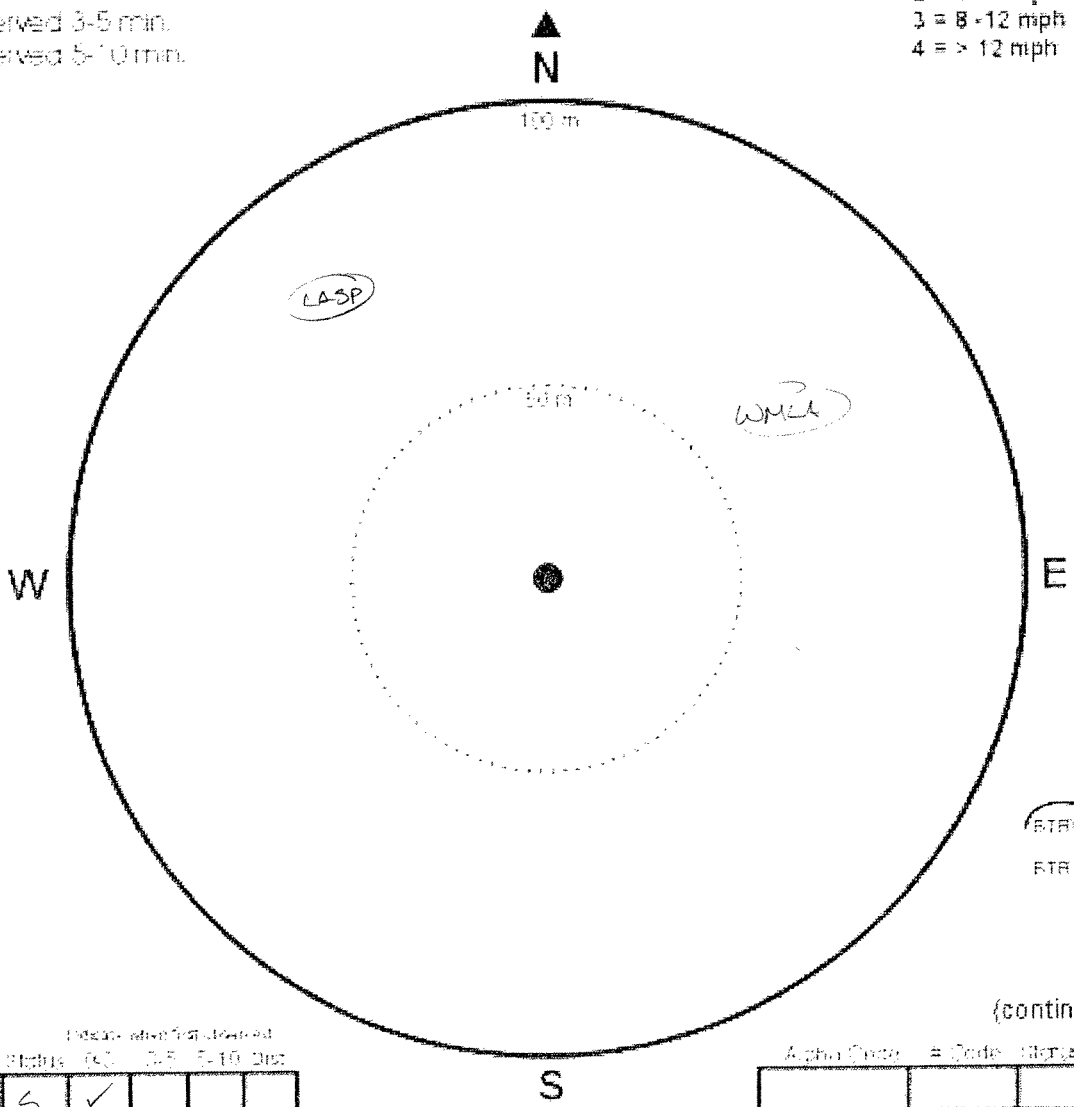
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
05	19	08	3:15	MEYER, JONES	90°F	2	0

Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 - 12 mph
4 = > 12 mph

Sky:
0 = < 10% clouds
1 = partly cloudy
2 = mostly cloudy
3 = overcast
4 = raining

BTBW = first observed 0-3 min.
BTBW ✓ = first observed 3-5 min.
BTBW ✗ = first observed 5-10 min.

Notes:



Status
juvenile = J
nest = N
BTBW fly over = X
BTBW observed = O (sex unknown)

Alpha Code	# Code	Status	Distance when first observed 0-3	3-5	5-10	Dist
LASP		S	✓			
WMLA		S	✓			

Status
BTBW ringing male = S
BTBW male (seen) = M
BTBW female (seen) = F
BTBW pair together = P
BTBW calling (no sex) = C
BTBW → BTBW changes in position
BTBW — BTBW simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist

Dist = minimum distance from observer

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	97-7			Grassland

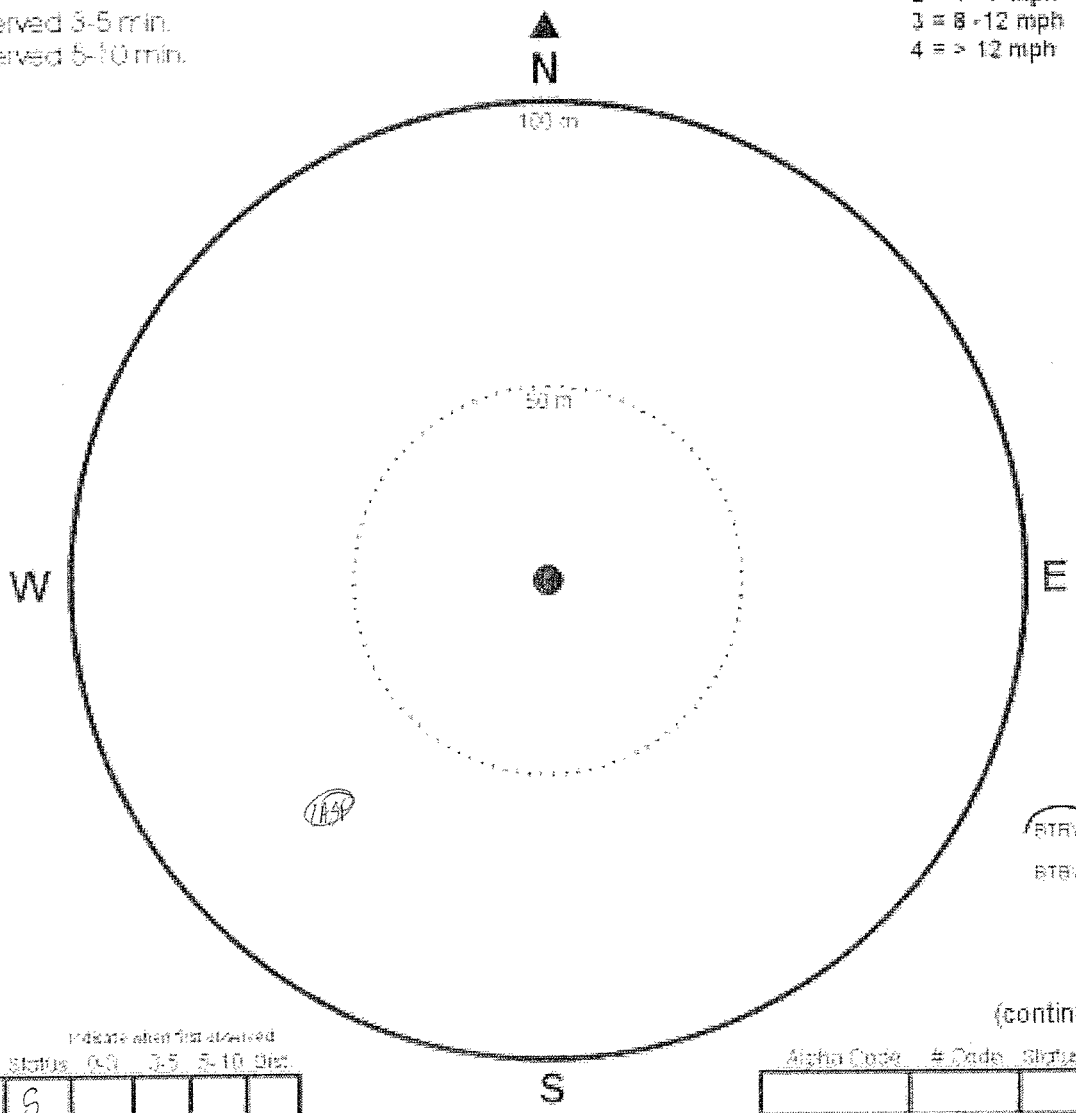
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
5	19	80	6:05	J. Meyer / R. Jones	40s	0	0

Wind: 0 = none; 1 = 1 - 3 mph; 2 = 4 - 7 mph; 3 = 8 - 12 mph; 4 = > 12 mph

Sky: 0 = < 10% cloud; 1 = partly cloudy; 2 = mostly cloudy; 3 = overcast; 4 = raining

BTBW = first observed 0-3 min.
BTBW ✓ = first observed 3-5 min.
BTBW ✗ = first observed 5-10 min.

Notes:



Status

juvenile = J
nest = N
flyover = X
BTBW observed = O (sex unknown)

Alpha Code	# Code	Status	Minutes after first observed 0-3	3-5	5-10	Dist.
LASP		S				

Dist. = minimum distance from observer

Status

singing male = S
male (seen) = M
female (seen) = F
pair together = P
calling (?? sex) = C
change in position
simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T1-9			Grassland

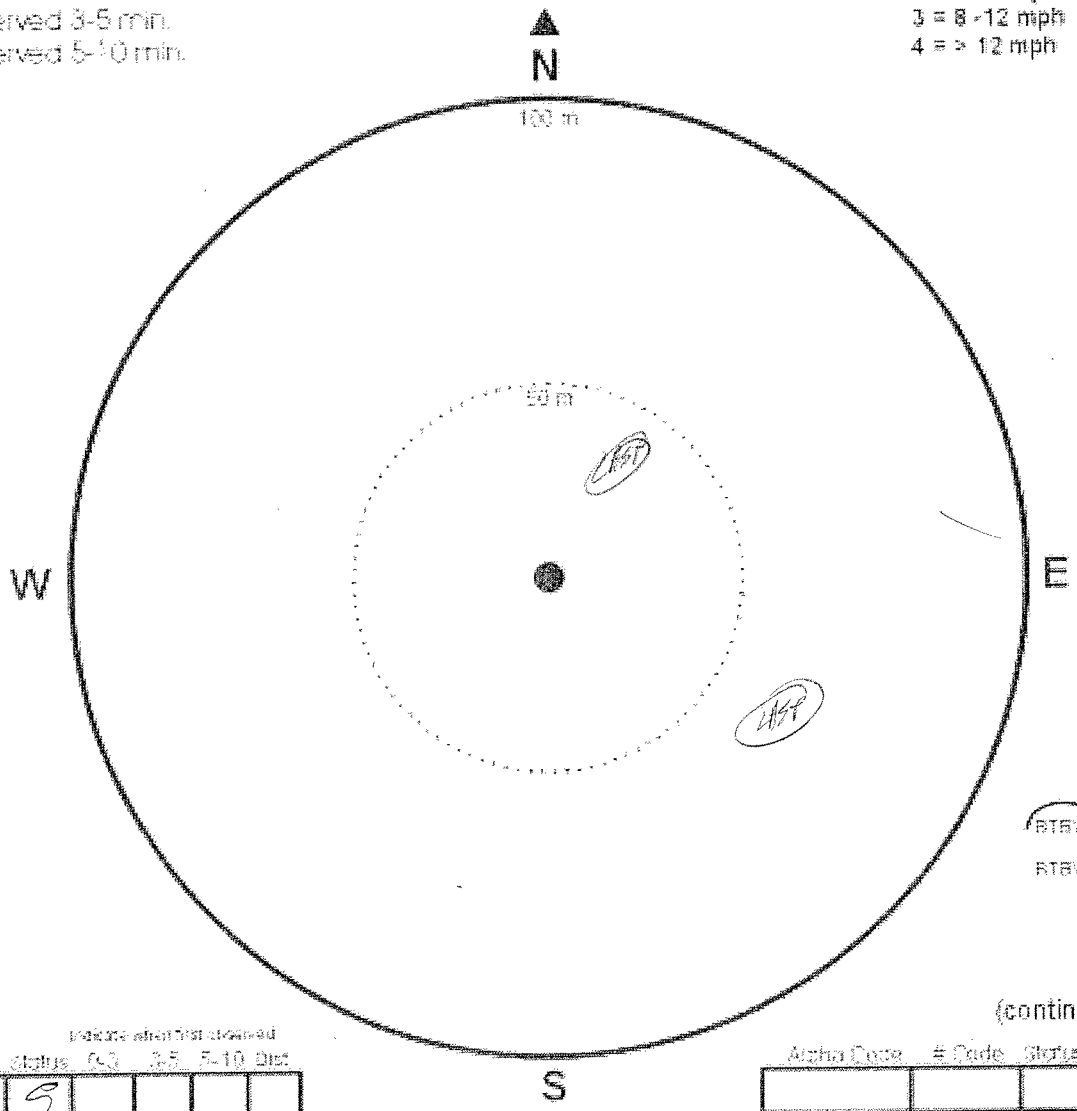
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
5	20	08	11:20	R. Jones	180s	1	0

Wind: 0 = none; 1 = 1 - 3 mph; 2 = 4 - 7 mph; 3 = 8 - 12 mph; 4 = > 12 mph

Sky: 0 = < 10% clouds; 1 = partly cloudy; 2 = mostly cloudy; 3 = overcast; 4 = raining

BTBW = first observed 0-3 min.
BTBW ✓ = first observed 3-5 min.
BTBW ✗ = first observed 5-10 min.

Notes:



Status
juvenile = J
nest = N
BTBW flyover = X
BTBW observed = O (sex unknown)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist
LASP		S				
LASP		S		✓		

Dist. = minimum distance from observer

Status
BTBW singing male = S
BTBW male (song) = M
BTBW female (short) = F
BTBW pair together = P
BTBW calling (no sex) = C
BTBW → BTBW change in position
BTBW ‖ BTBW simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist

Dist. = minimum distance from observer

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T2-2			Sagebrush Grassland

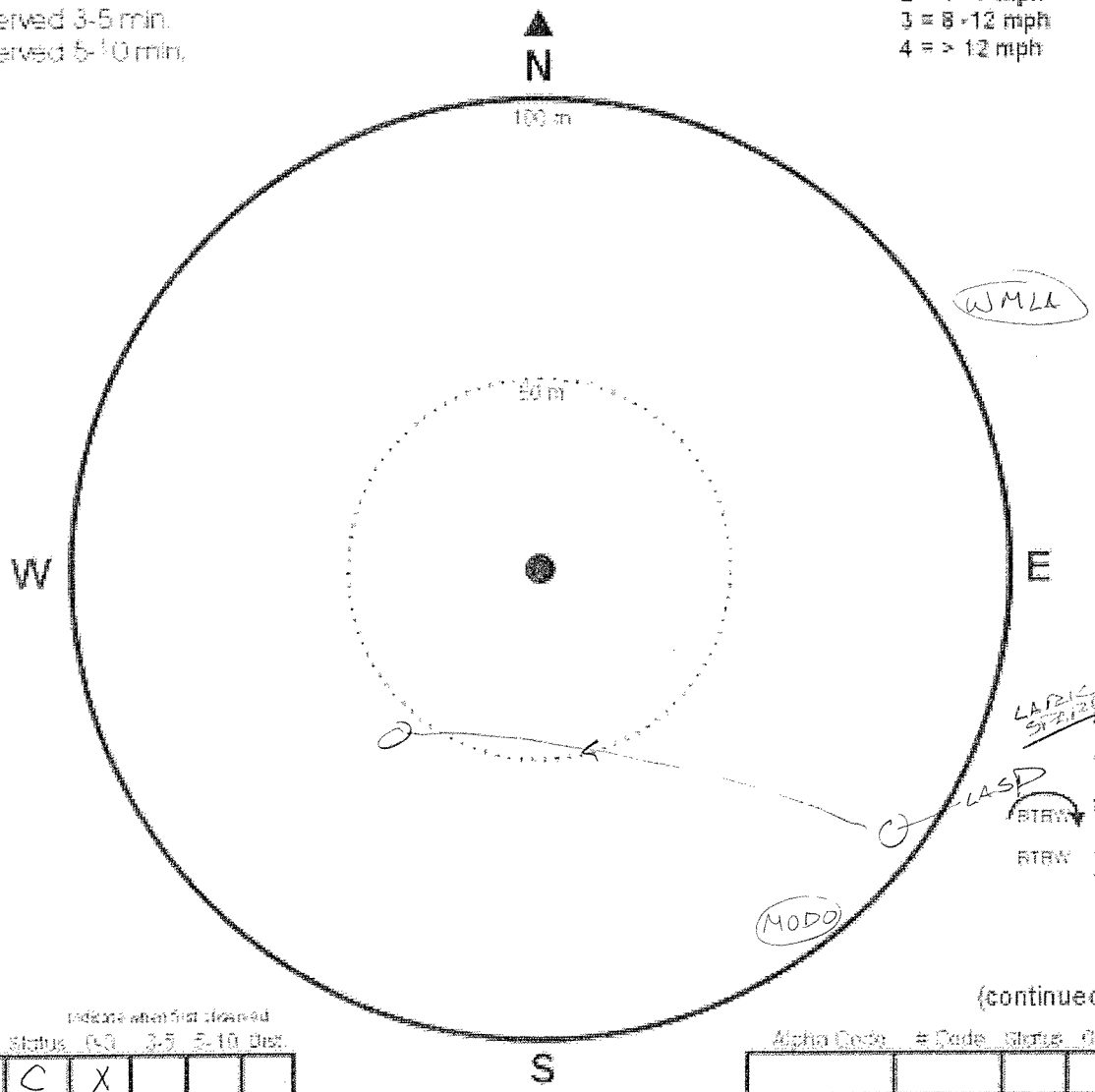
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
05	19	08	0837	RJ JM	70°F	0	0

Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 - 12 mph
4 = > 12 mph

Sky:
0 = < 10% clouds
1 = partly cloudy
2 = mostly cloudy
3 = overcast
4 = raining

BTBW = first observed 0-3 min
BTBW ✓ = first observed 3-5 min.
BTBW ✗ = first observed 5-10 min.

Notes:



Status
~~LARK SPARROW~~ juvenile = J
nest = N
BTBW flyover = X
BTBW observed = O (sex unknown)

Alpha Code	# Code	Status	indicate when first observed 0-3	3-5	5-10	Dist.
MODO		C	X			
WMLA		S	✓			
LASP		M			×	

Dist. = minimum distance from observer

Status
singing male = S
male (seen) = M
female (seen) = F
pair together = P
calling (?? sex) = C
change in position
simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T2-4			Grassland

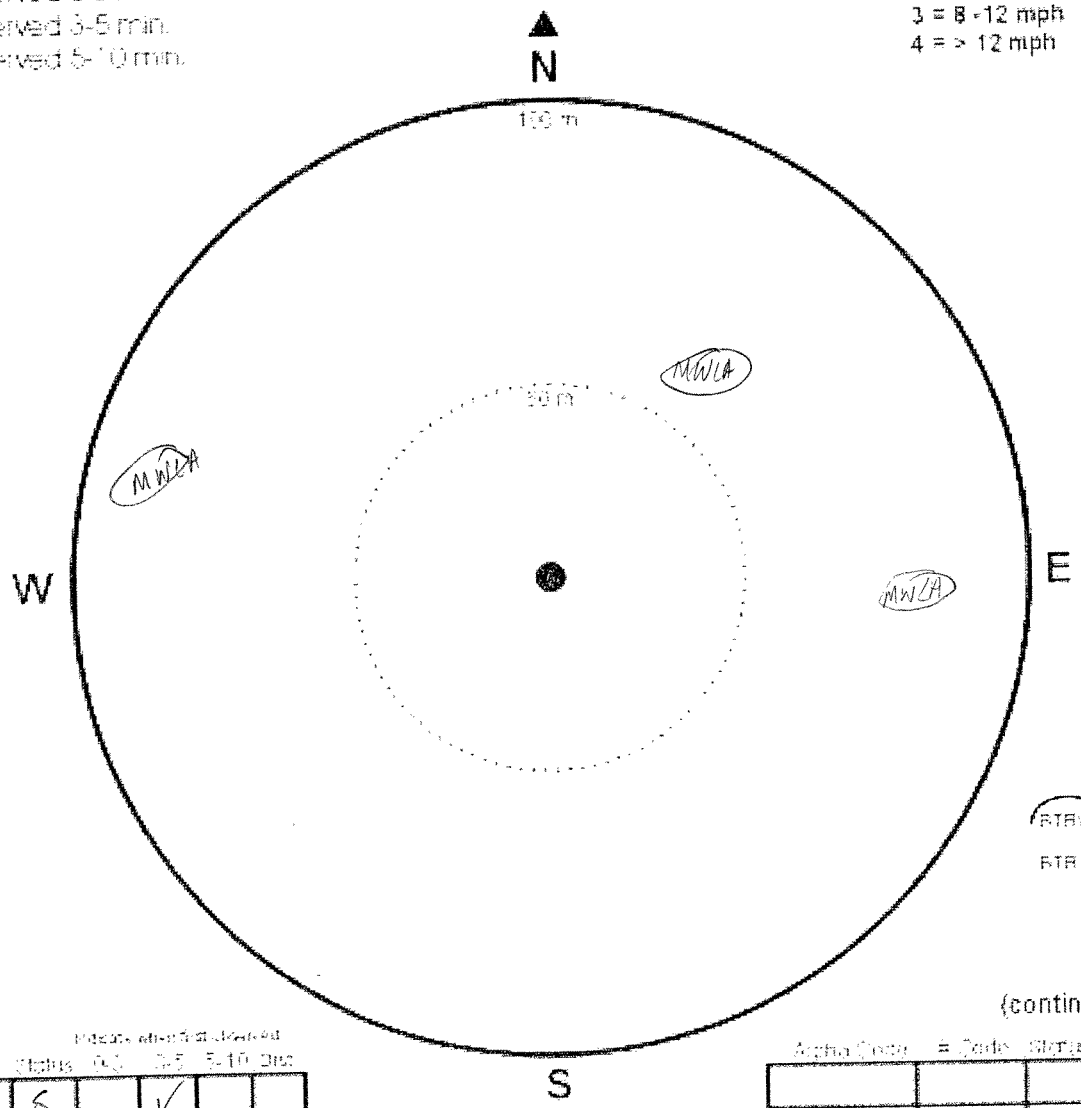
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
05	19	08	12:58	Meyer / Jones	90s	2	0

Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 -12 mph
4 = > 12 mph

Sky:
0 = < 10% clouds
1 = partly cloudy
2 = mostly cloudy
3 = overcast
4 = raining

BTBW = first observed 0-3 min.
BTBW ✓ = first observed 3-5 min.
BTBW ✗ = first observed 5-10 min.

Notes:



Status
juvenile = J
nest = N
BTBW flyover = X
BTBW observed = O (sex unknown)

Alpha Code	# Code	Status	Indicate when first observed 0-3	3-5	5-10	Dist
MWLA		S		✓		
MWLA		S		✓		
MWLA					X	

Status
singing male = S
male (seen) = M
female (seen) = F
pair together = P
calling (no sex) = C
change in position
simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist

Dist = minimum distance from observer

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T2-6			

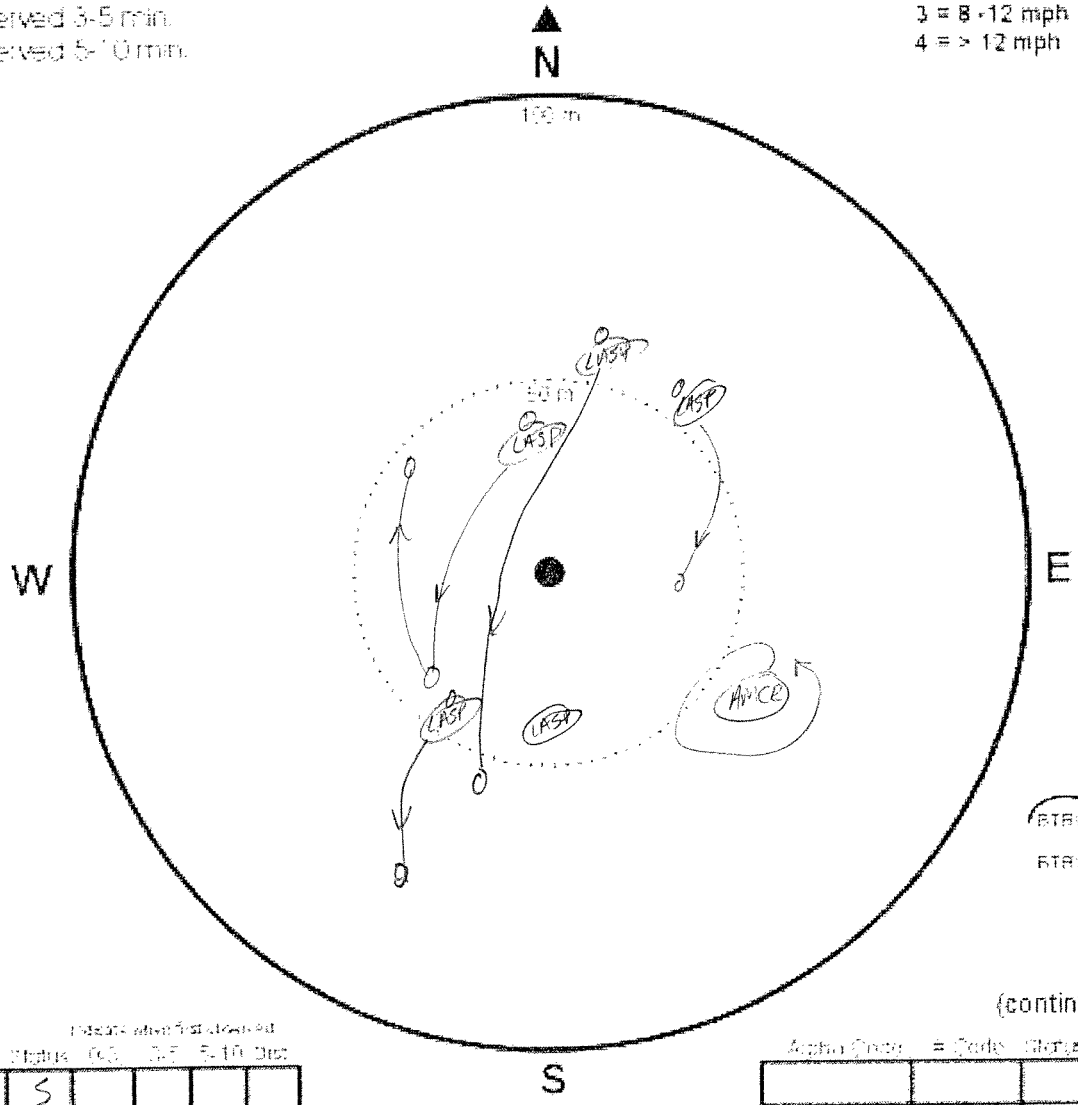
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
5	19	08	3:42	Meyer / Jones	↓ 80°	2	0

Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 - 12 mph
4 = > 12 mph

Sky:
0 = < 10% cloud
1 = partly cloudy
2 = mostly cloud
3 = overcast
4 = raining

BTBW = first observed 0-3 min
BTBW ✓ = first observed 3-5 min.
BTBW ✗ = first observed 5-10 min.

Notes:



Status
juvenile = J
nest = N
flyover = X
BTBW observed = O (sex unknown)

Alpha Code	# Code	Status	Indicate when first observed 0-3	3-5	5-10	Dist
LASP		S				
LASP		S				
LASP		S				
AMCR				✓		

Dist. = minimum distance from observer

Status
singing male = S
male (silent) = M
female (silent) = F
pair together = P
calling (no sex) = C
change in position
sound time is song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist

Dist. = minimum distance from observer

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T2-8			Sagebrush

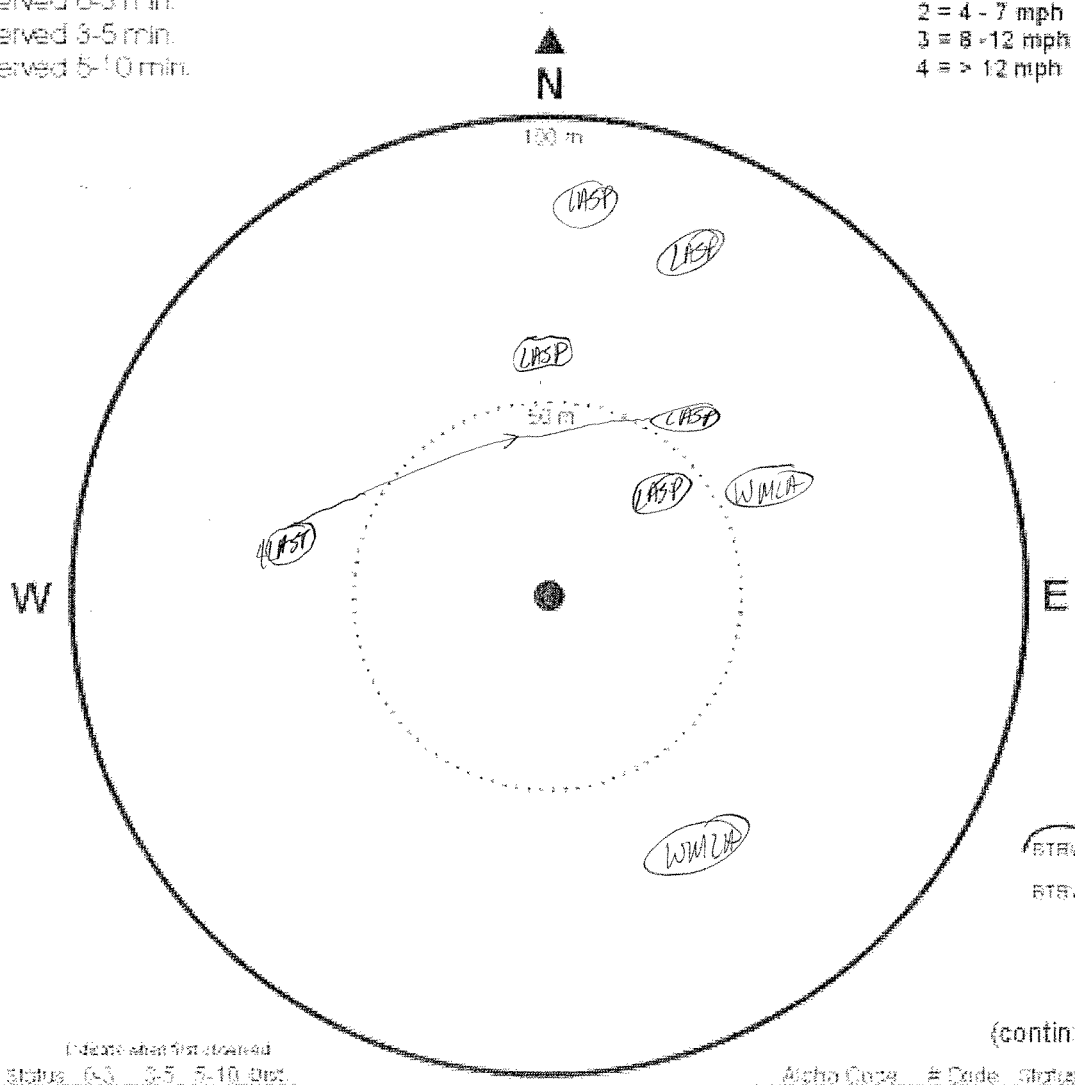
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
5	20	08	8:03	J. Meyer / R. Jones	170s	0	0

Wind: 0 = none; 1 = 1 - 3 mph; 2 = 4 - 7 mph; 3 = 8 - 12 mph; 4 = > 12 mph

Sky: 0 = < 10% cloud; 1 = partly cloudy; 2 = mostly cloud; 3 = overcast; 4 = raining

BTBW = first observed 0-3 min.
BTBW ✔ = first observed 3-5 min.
BTBW ✘ = first observed 5-10 min.

Notes:



Status
juvenile = J
nest = N
flyover = X
BTBW observed = O (sex unknown)

Alpha Code	# Code	Status	Distance when first observed 0-3	3-5	5-10	Dist.
WMLA		S				
WMLA		S				
LASP		S				
LASP		S				
LASP		S			X	
LASP		S			X	
LASP		S			X	
LASP		S			X	
LASP		S			X	
LASP		S			X	

Dist. = minimum distance from observer.

Status
singing male = S
male (Solo) = M
female (alone) = F
pair together = P
calling (1st sex) = C
change in position
simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer.

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T3-1			PJ Steep Slope

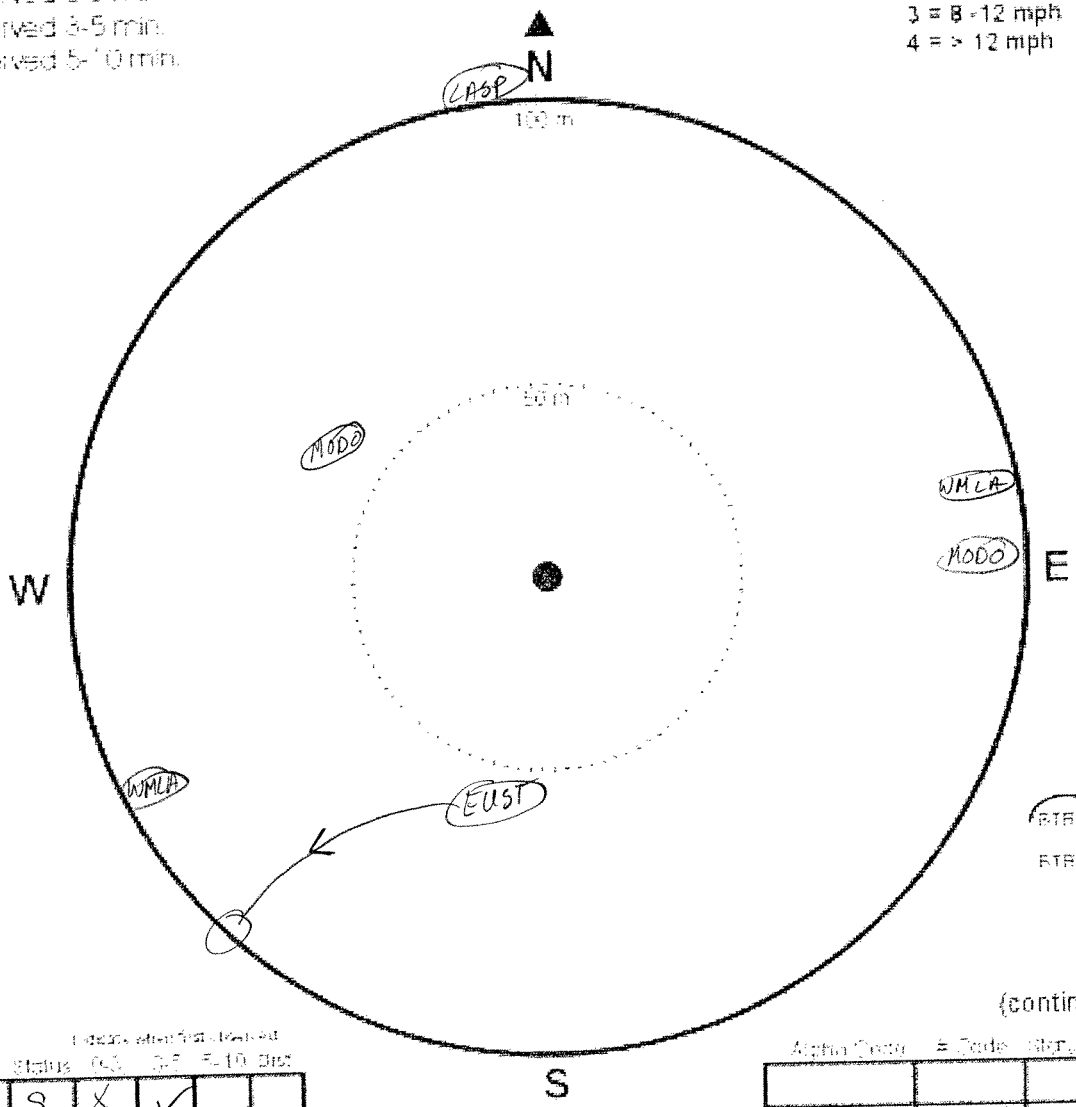
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
5	19	08	9:20	J. MEYER, R. JONES	70s	0	0

Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 - 12 mph
4 = > 12 mph

Sky:
0 = < 10% clouds
1 = partly cloudy
2 = mostly cloudy
3 = overcast
4 = raining

BTBW = first observed 0-3 min
BTBW ✓ = first observed 3-5 min.
BTBW ✗ = first observed 5-10 min.

Notes:



Status
juvenile = J
nest = N
flyover = X
BTBW observed = O (see unknown)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist
LASP		S	X	✓		
MODO		C	X	✓		
WMLA		M	X	✓		
MODO		C			X	
WMLA		C			X	
EUST		C			X	

Dist = minimum distance from observer

Status
singing male = S
male (seen) = M
female (seen) = F
pair together = P
calling (no sex) = C
changes in position
simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist

Dist = minimum distance from observer

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T3-3			Grassland

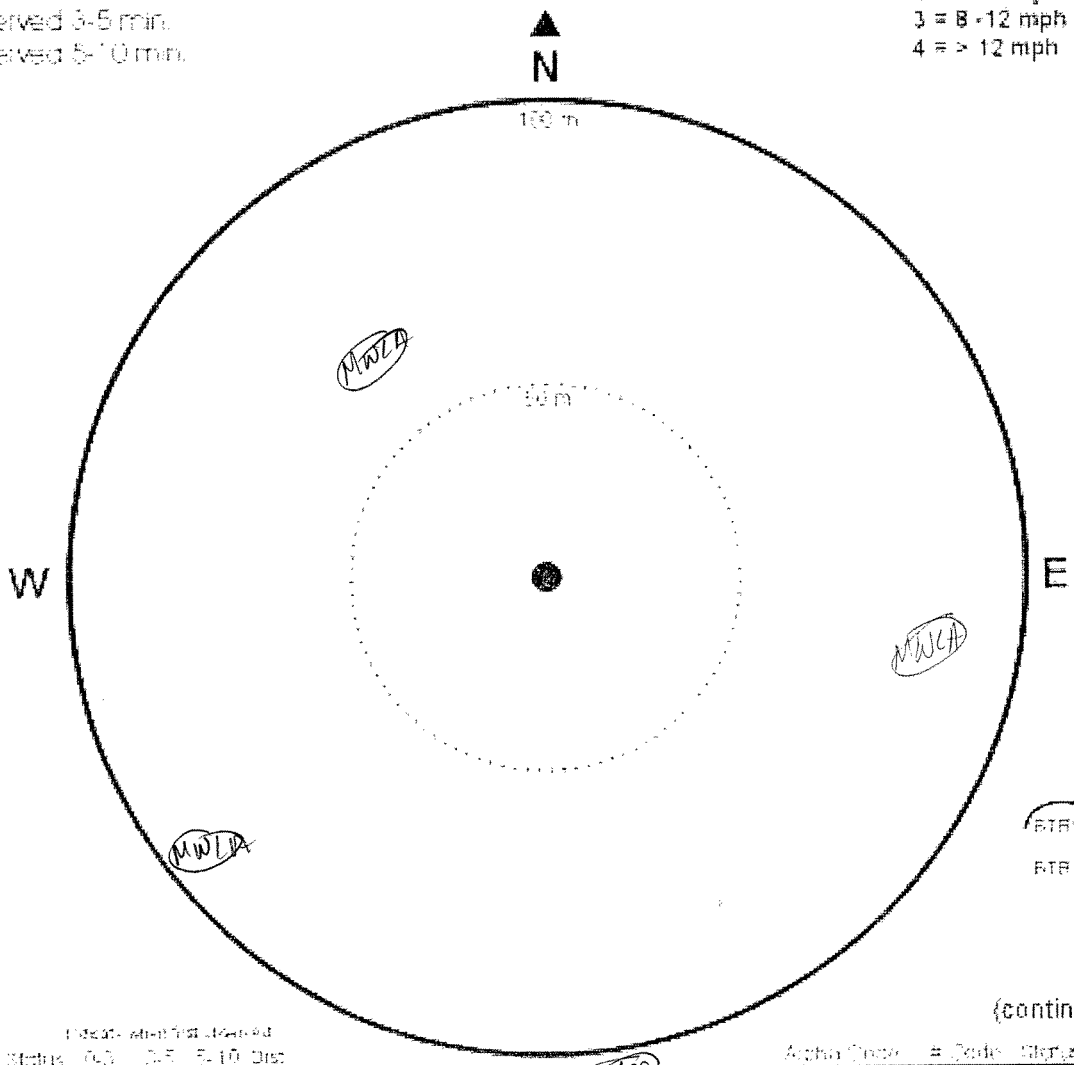
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
05	19	08	11:43	J. MEYER/RJONES	80s	1	0

0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 - 12 mph
4 = > 12 mph

0 = < 10% cloud
1 = partly cloudy
2 = mostly cloud
3 = overcast
4 = raining

BTBW = first observed 0-3 min.
BTBW ✔ = first observed 3-5 min.
BTBW ✘ = first observed 5-10 min.

Notes:



Status
juvenile = J
nest = N
BTBW ↻ flyover = X
BTBW observed = O (see unknown)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist
MWLA		S				
MWLA		S				
MMLA		S				
LASP		S				
AMCR				✓		

Status
BTBW singing male = S
BTBW male (sem) = M
BTBW female (sem) = F
BTBW pair together = P
BTBW calling (?? sex) = C
BTBW → BTBW changes in position
BTBW ‖ BTBW simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist

Dist = minimum distance from observer

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T3-5			Sagebrush

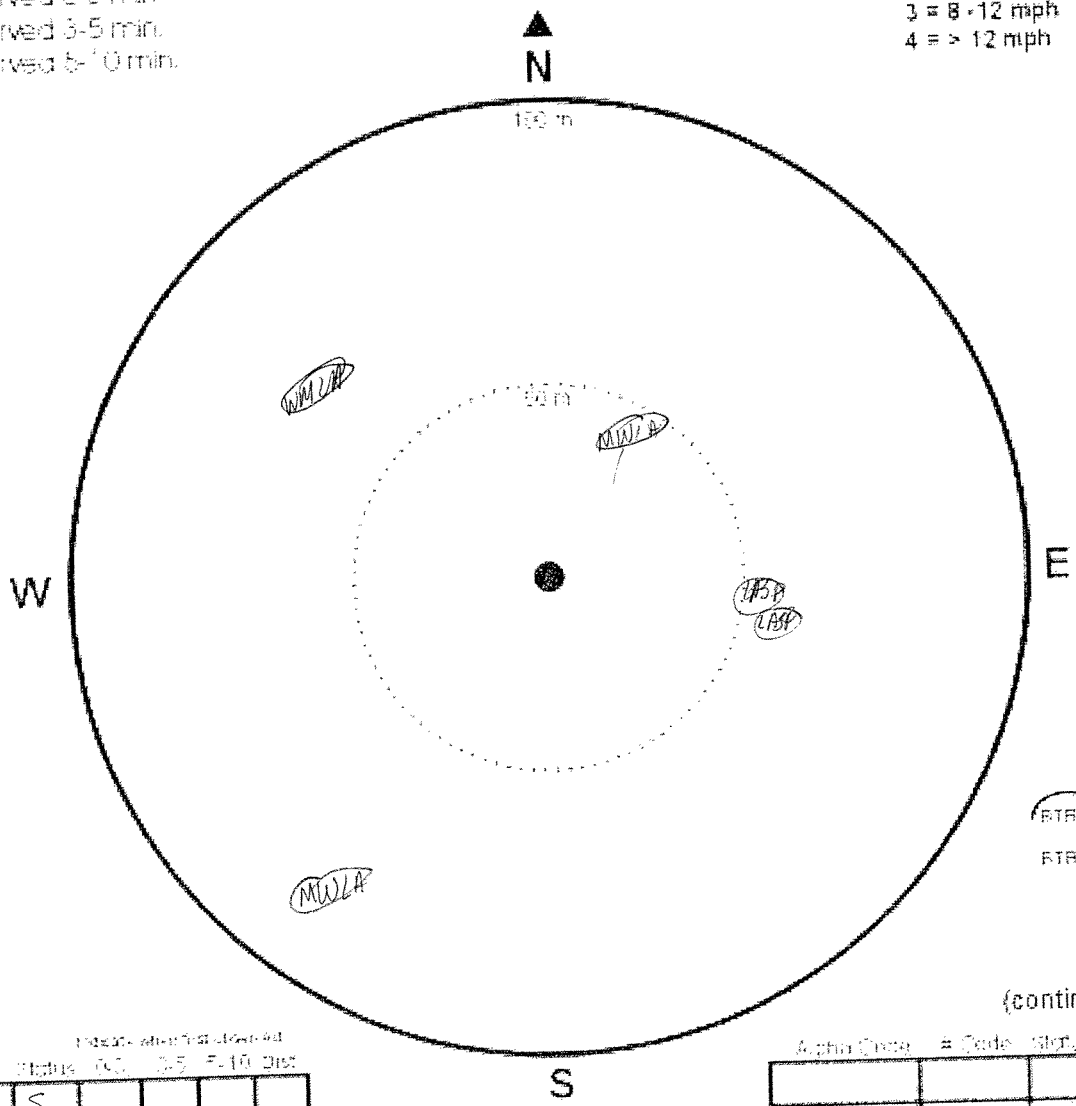
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
5	19	08	2:51	Meyer / Jones	↓ 90s	3	0

Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 - 12 mph
4 = > 12 mph

Sky:
0 = < 10% clouds
1 = partly cloudy
2 = mostly cloudy
3 = overcast
4 = raining

BTBW = first observed 0-3 min
BTBW ✓ = first observed 3-5 min.
BTBW ✗ = first observed 5-10 min.

Notes:



Status
juvenile = J
nest = N
flyover = X
BTBW observed = O (sex unknown)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist
WMLA		S				
WMLA		S		✓		
WMLA		S			X	
LASP		S			X	
LASP		S			X	

Status
ranging male = S
main owner = M
female owner = F
pair together = P
calling (?) sex = C
change in position
simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist

Dist = minimum distance from observer

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T3-7			Sagebrush

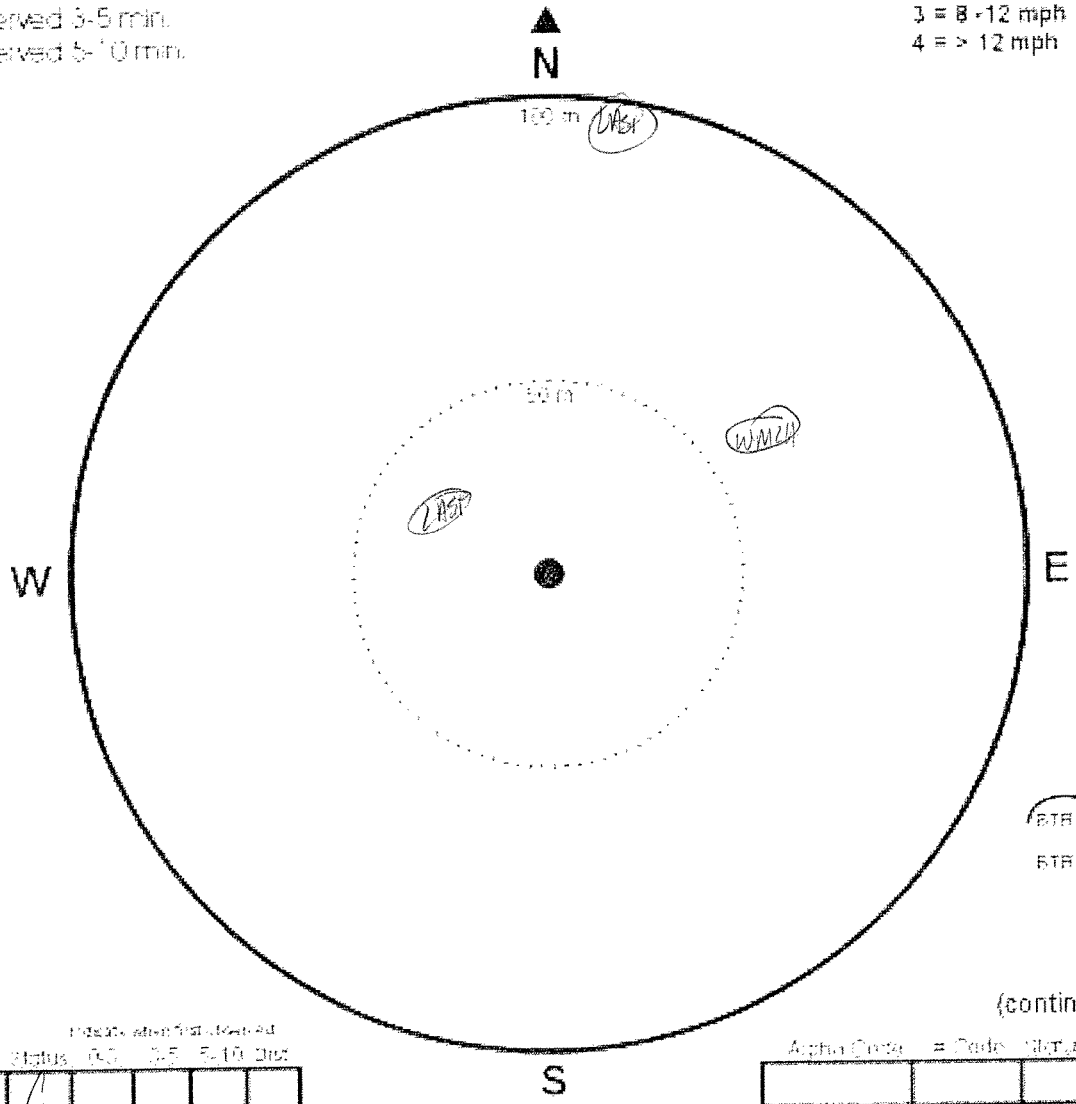
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
5	19	08	5:41	J. Meyer / R. Jones	↓ 80s	0	0

Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 - 12 mph
4 = > 12 mph

Sky:
0 = < 10% cloud
1 = partly cloudy
2 = mostly cloud
3 = overcast
4 = raining

BTBW = first observed 0-3 min
BTBW ✓ = first observed 3-5 min.
BTBW ✗ = first observed 5-10 min.

Notes:



Status
juvenile = J
nest = N
flyover = X
observed = O (see unknown)

Alpha Code	# Code	Status	Indicate when first observed 0-3	3-5	5-10	Dist
LASP		C				
LASP		C				
WMLA		O			X	

Status
singing male = S
male (seen) = M
female (seen) = F
pair together = P
calling (30 sec) = C
changes in position
simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist

Dist = minimum distance from observer

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T3-9			Sagebrush

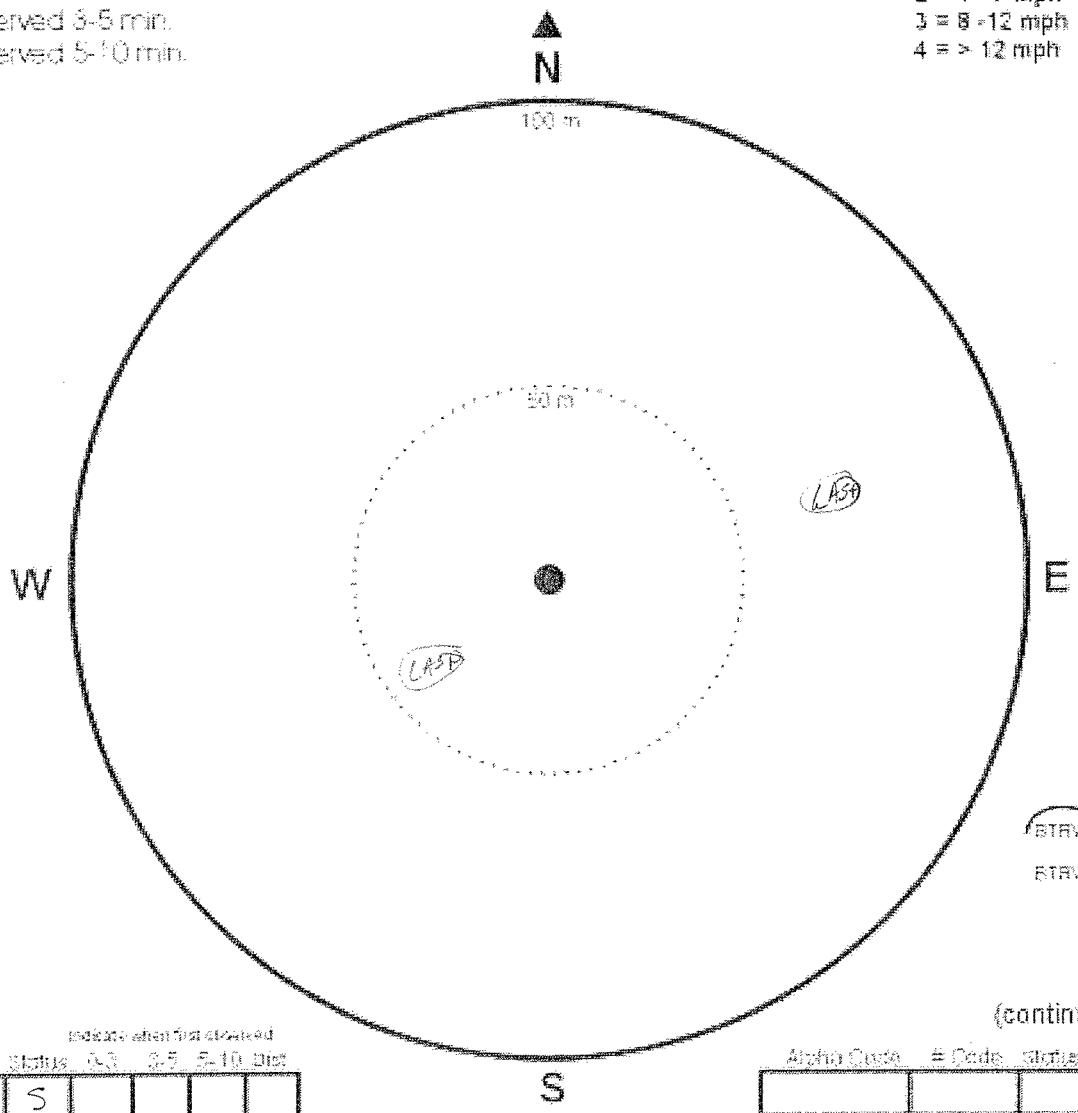
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
5	20	08	10:58	J. Meyer / R. Jones	180	1	0

Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 - 12 mph
4 = > 12 mph

Sky:
0 = < 10% clouds
1 = partly cloudy
2 = mostly cloudy
3 = overcast
4 = raining

BTBW = first observed 0-3 min.
BTBW ✔ = first observed 3-5 min.
BTBW ✘ = first observed 5-10 min.

Notes:



Status
juvenile = J
nest = N
flyover = X
observed = O (sex unknown)

Alpha Code	# Code	Status	Indicate when first observed 0-3	3-5	5-10	Dist
LASP		S				
LASP		S				

Dist. = minimum distance from observer

Status
singing male = S
male (seen) = M
female (seen) = F
pair together = P
calling (?? sex) = C
change in position
simultaneous song of 3 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist

Dist. = minimum distance from observer

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T4-2			

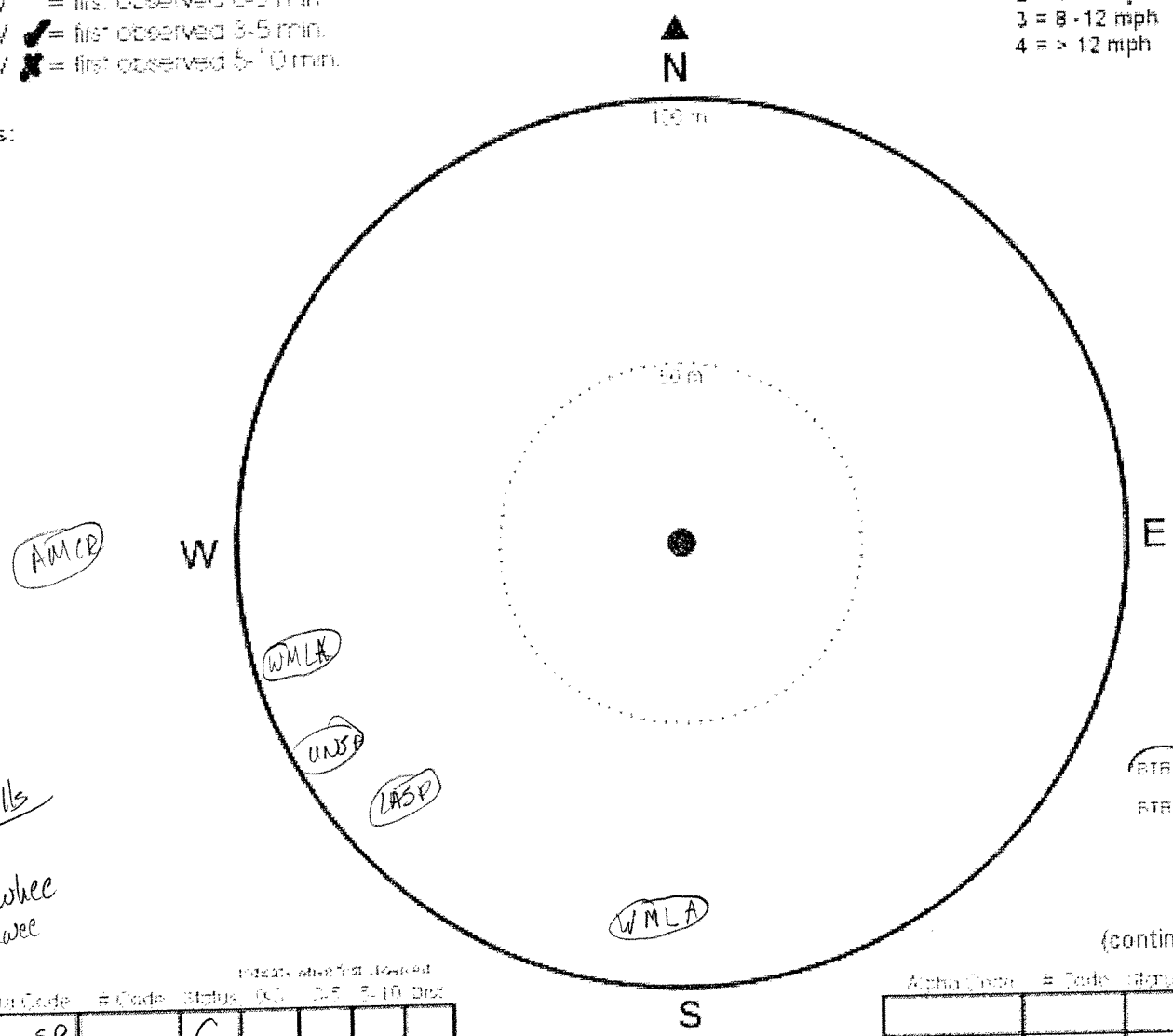
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
5	19	08	10:03	J. MEYER, R. JONES	75	0	0

Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 - 12 mph
4 = > 12 mph

Sky:
0 = < 10% clouds
1 = partly cloudy
2 = mostly cloudy
3 = overcast
4 = raining

BTBW = first observed 0-3 min
BTBW ✓ = first observed 3-5 min.
BTBW ✗ = first observed 5-10 min.

Notes:



Status
juvenile = J
nest = N
BTBW hyover = X
BTBW observed = O (sex unknown)

Calls

Tewhee
Kowee

Alpha Code	# Code	Status	Indicate when first observed 0-3	3-5	5-10	Dist
Unknown SP		C				
AMCR		C				
WMLA		C				
LASP		C				
WMLA		C		✓		

Dist = minimum distance from observer

Status
BTBW singing male = S
BTBW male (silent) = M
BTBW female (silent) = F
BTBW pair together = P
BTBW calling (no sex) = C
BTBW → BTBW change in position
BTBW — BTBW simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist

Dist = minimum distance from observer

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T4-4			Grassland

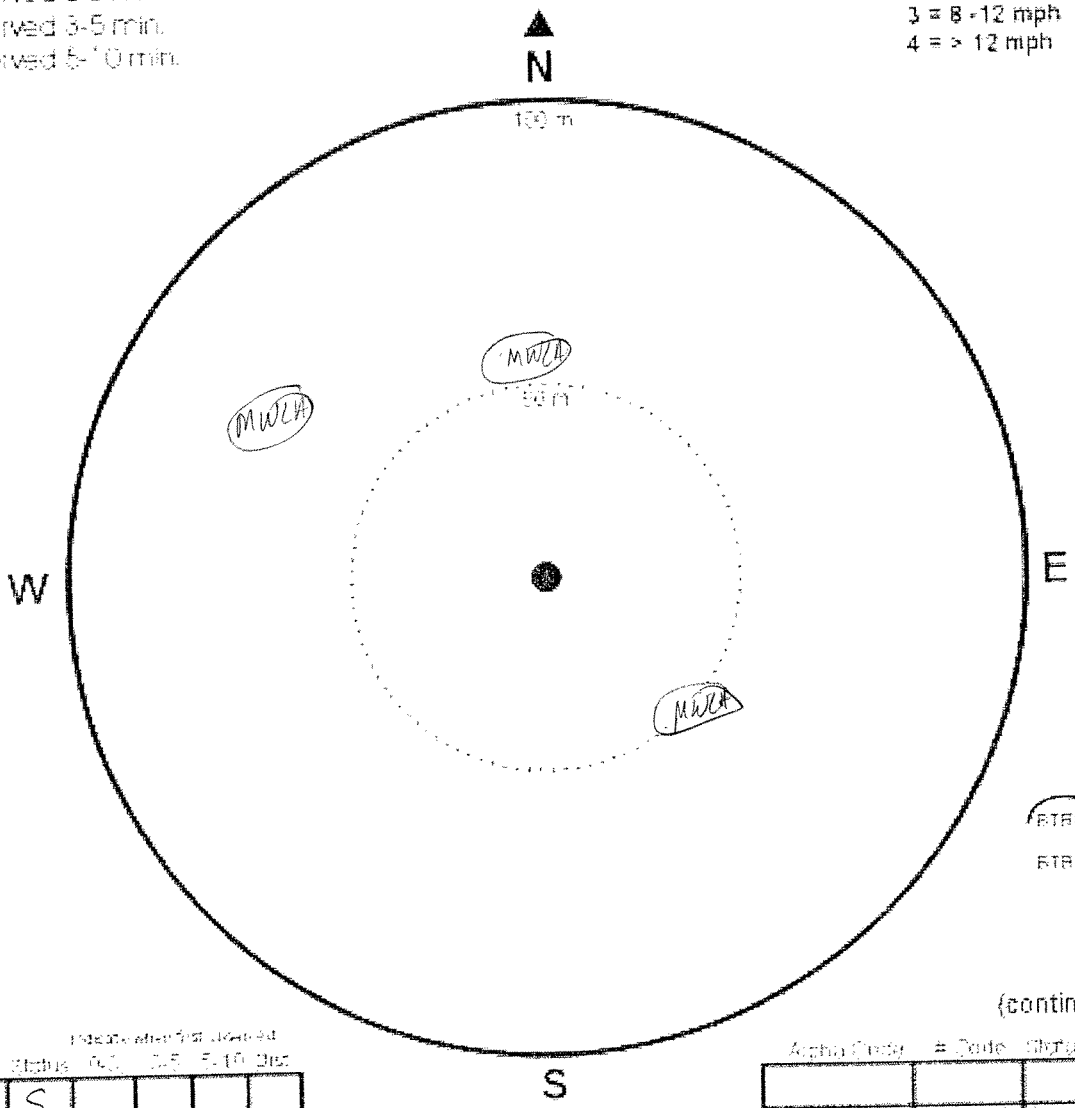
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
5	19	08	1:19	Meyer / Jones	90	2	0

Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 - 12 mph
4 = > 12 mph

Sky:
0 = < 10% clouds
1 = partly cloudy
2 = mostly cloudy
3 = overcast
4 = raining

BTBW = first observed 0-3 min.
BTBW ✓ = first observed 3-5 min.
BTBW ✗ = first observed 5-10 min.

Notes:



Status
juvenile = J
nest = N
fly over = X
BTBW observed = O (sex unknown)

Alpha Code	# Code	Status	Indicate when first observed 0-3	3-5	5-10	Dist
MWLA		S				
MWLA		S				
MWLA		S				

Status
singing male = S
male (seen) = M
female (seen) = F
pair together = P
calling (?) sex = C
changes in position
simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist

Dist = minimum distance from observer

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T4-6			

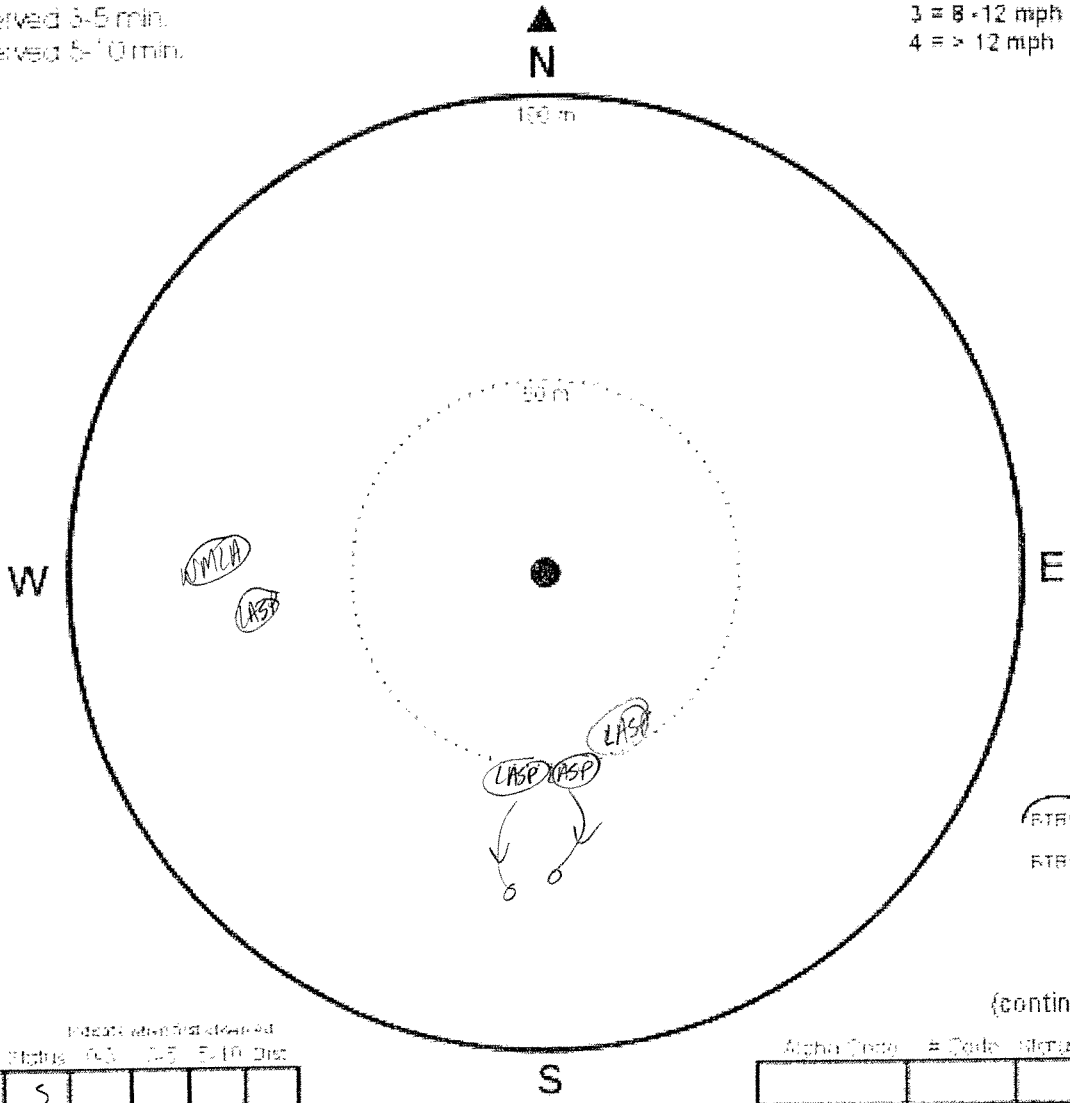
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
5	19	08	4:07	Meyer / Jones	↓80	1	0

Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 - 12 mph
4 = > 12 mph

Sky:
0 = < 10% cloud
1 = partly cloudy
2 = mostly cloud
3 = overcast
4 = raining

BTBW = first observed 0-3 min
BTBW ✓ = first observed 3-5 min.
BTBW ✗ = first observed 5-10 min.

Notes:



Status
juvenile = J
nest = N
BTBW ↓ flyover = X
BTBW observed = O (sex unknown)

Alpha Code	# Code	Status	Indicate when first observed 0-3	3-5	5-10	Dist
WMLA		S				
LASP		S				
LASP		S		✓		
LASP		S			X	
LASP		S			X	

Status
BTBW singing male = S
BTBW male (seen) = M
BTBW female (seen) = F
BTBW pair together = P
BTBW calling (no sex) = C
BTBW → BTBW change in position
BTBW — BTBW smoothness is song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist

Dist = minimum distance from observer

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T4-8			Facebrush

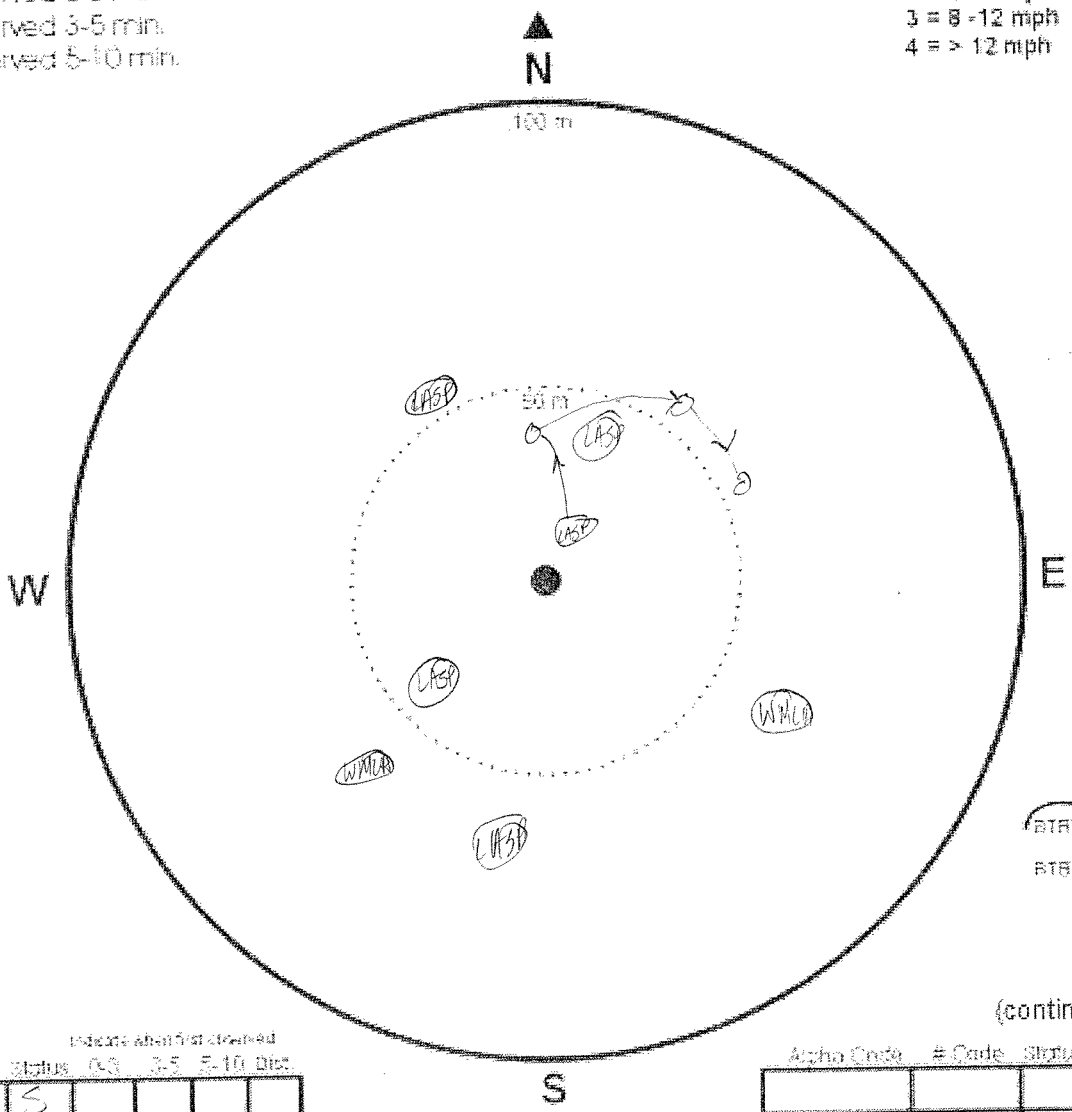
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
5	20	08	8:28	J. Meyer / R. Jones	1805	1	0

Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 - 12 mph
4 = > 12 mph

Sky:
0 = < 10% clouds
1 = partly cloudy
2 = mostly cloudy
3 = overcast
4 = raining

BTBW = first observed 0-3 min.
BTBW ✓ = first observed 3-5 min.
BTBW ✗ = first observed 5-10 min.

Notes:



Status
juvenile = J
nest = N
flyover = X
observed = O (sex unknown)

Status
singing male = S
male (song) = M
female (song) = F
pair together = P
calling (no sex) = C
change in position
simultaneous song of 2 males

Alpha Code	# Code	Status	Indicate when first observed 0-3	3-5	5-10	Dist.
LASP		S				
LASP		S				
WMLA		S				
WMLA		S				
LASP		S				
LASP		S		✓		
LASP		S			X	

Dist. = minimum distance from observer

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T4-10			Roadside (HWY)

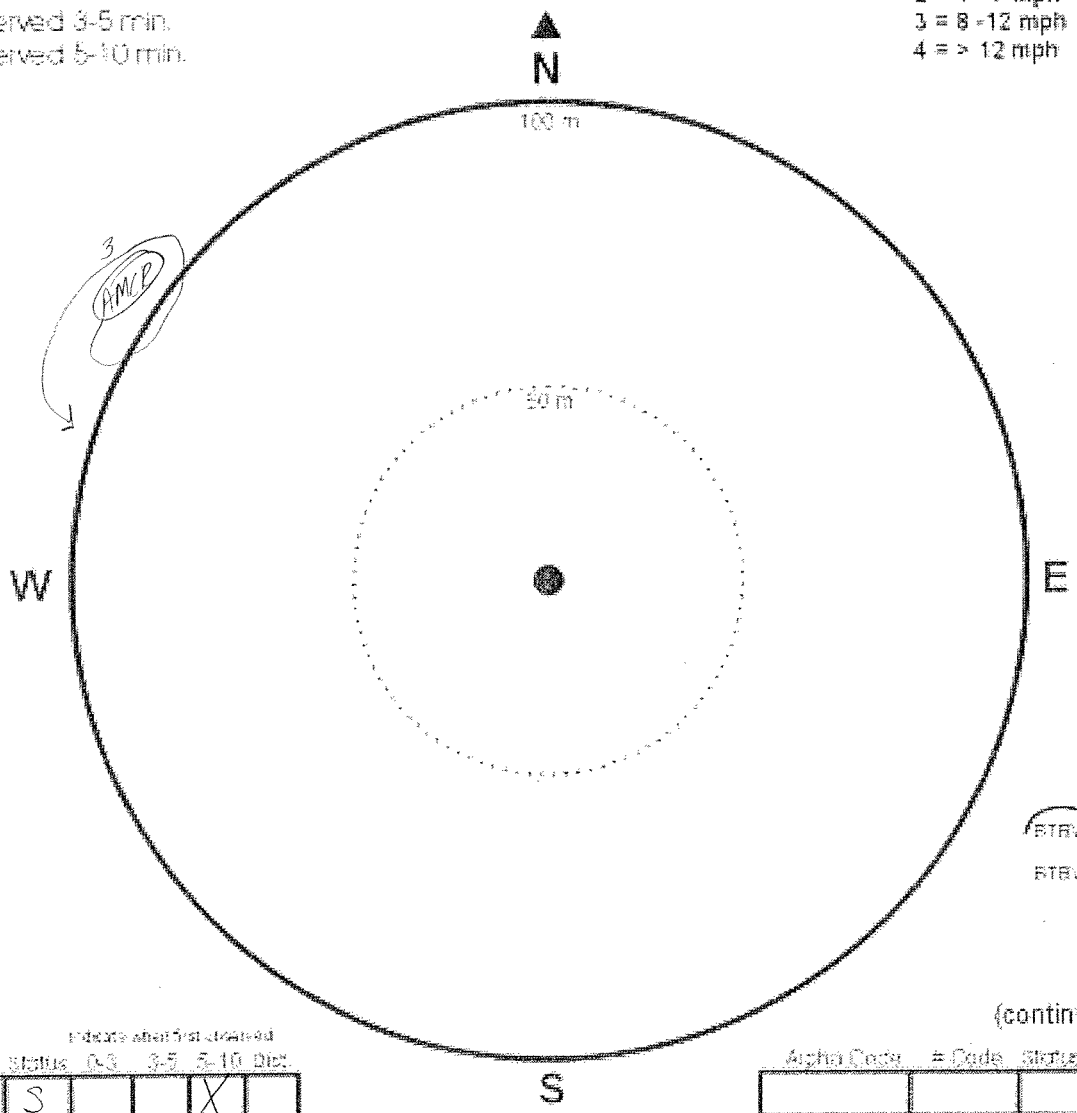
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
5	20	08	10:06	J. Meyer / R. Jones	m 80s	1	0

Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 - 12 mph
4 = > 12 mph

Sky:
0 = < 10% clouds
1 = partly cloudy
2 = mostly cloudy
3 = overcast
4 = raining

BTBW = first observed 0-3 min.
BTBW ✔ = first observed 3-5 min.
BTBW ✘ = first observed 5-10 min.

Notes:



Status
juvenile = J
nest = N
flyover = X
BTBW observed = ○ (sex unknown)

Status
BTBW singing male = S
BTBW male (song) = M
BTBW female (song) = F
BTBW pair together = P
BTBW calling (no sex) = C
BTBW → BTBW changes in position
BTBW ‖ BTBW simultaneous song of 2 males

Alpha Code	# Code	Status	Indicate when first observed 0-3	3-5	5-10	Dist.
AMCR		S			X	
AMCR		S			X	
AMCR		S			X	

Dist. = minimum distance from observer

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T5-3			Disturbed Grassland

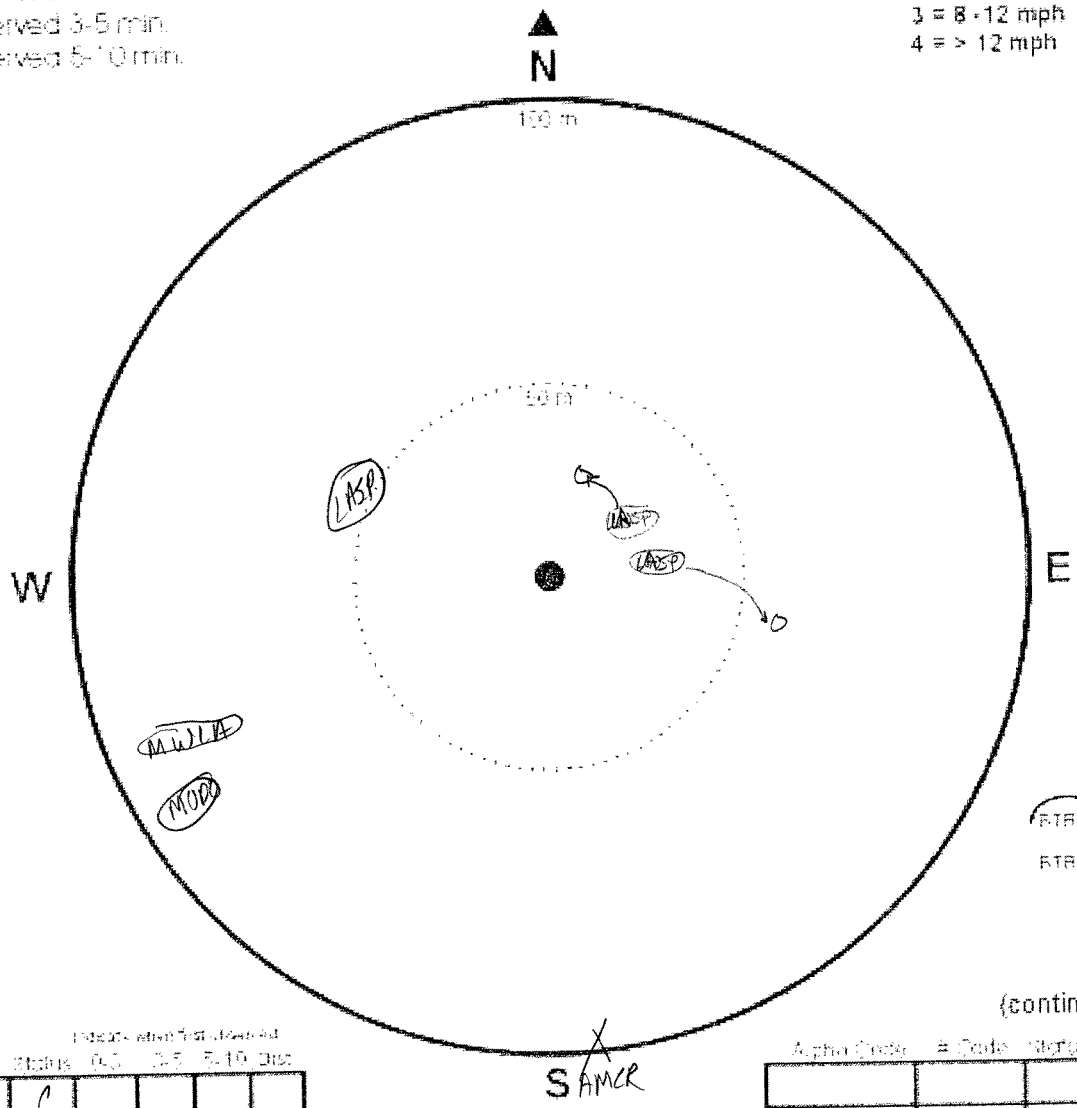
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
5	19	08	11:18	Meyer/Jones	1.80s	1	0

Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 - 12 mph
4 = > 12 mph

Sky:
0 = < 10% clouds
1 = partly cloudy
2 = mostly cloudy
3 = overcast
4 = raining

BTBW = first observed 0-3 min.
BTBW ✓ = first observed 3-5 min.
BTBW ✗ = first observed 5-10 min.

Notes:



Status
juvenile = J
nest N
BTBW ↻ = X
BTBW observed = O (see unknown)

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist
AMCR		C				
MWIA		S				
LASP		S		✓		
LASP		C			X	
LASP		C			X	
MODO		S			X	

Dist = minimum distance from observer

Status
BTBW singing male = S
BTBW male (soon) = M
BTBW female (soon) = F
BTBW pair together = P
BTBW calling (no sex) = C
BTBW → BTBW changes in position
BTBW — BTBW simultaneous song of 2 males

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist

Dist = minimum distance from observer

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T5-5			Sagebrush

Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
5	19	08	2:26	Meyer/Jones	↓90	3	0

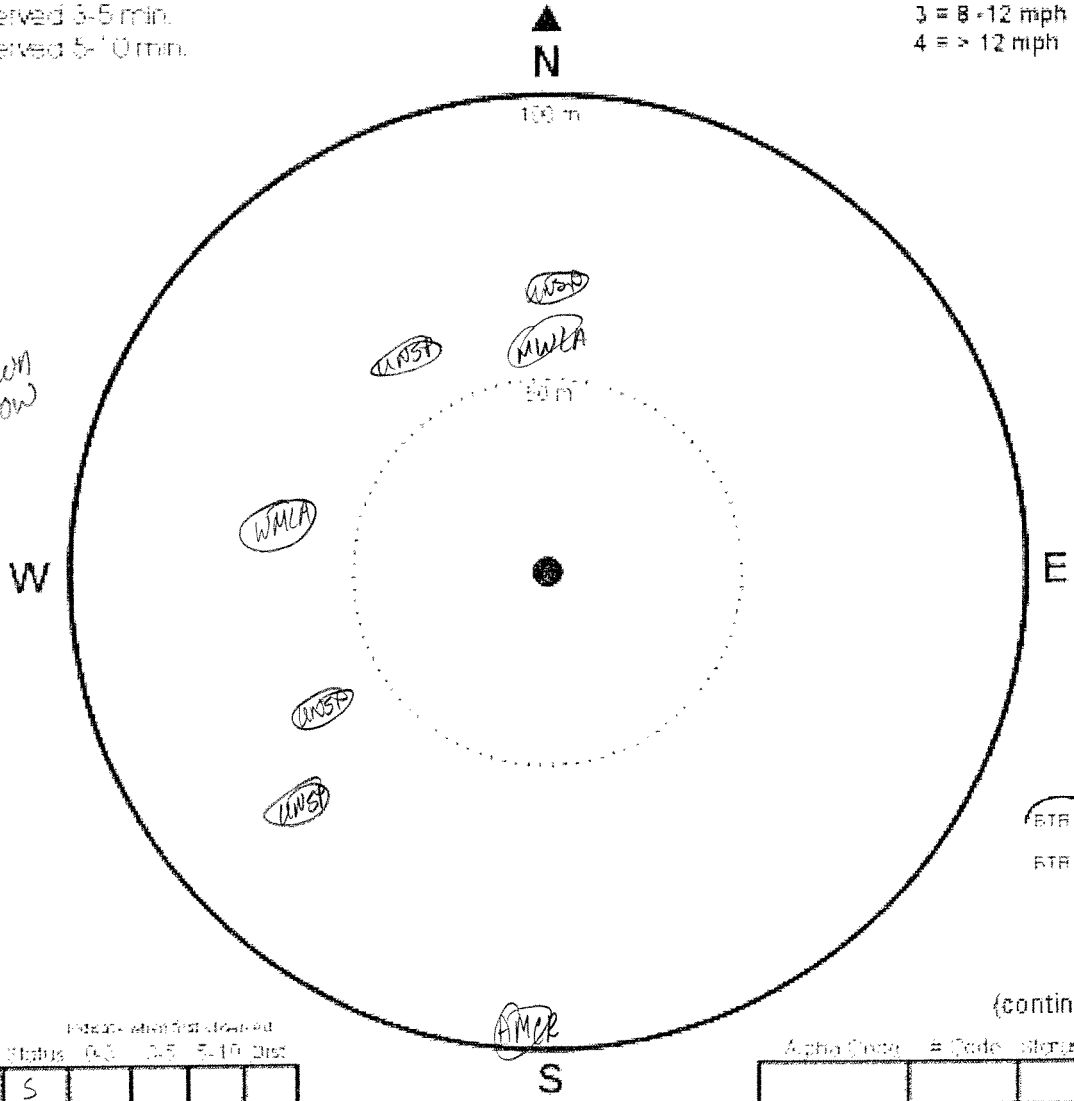
Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 - 12 mph
4 = > 12 mph

Sky:
0 = < 10% cloud
1 = partly cloudy
2 = mostly cloud
3 = overcast
4 = raining

BTBW = first observed 0-3 min.
BTBW ✓ = first observed 3-5 min.
BTBW ✗ = first observed 5-10 min.

Notes:

UNSP = Unknown Sparrow



Status
juvenile = J
nest = N
BTBW over = X
BTBW observed = O (sex unknown)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist
WMLA		S				
AMCR		S				
WMLA		S				
LASP		S				
LASP		S				
LASP		S		✓		
LASP		S		✓		

Status
BTBW ranging male = S
BTBW male (sex) = M
BTBW female (sex) = F
BTBW pair together = P
BTBW calling (?) sex = C
BTBW → BTBW changes in position
BTBW ‖ BTBW simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	TE-7			Sagebrush

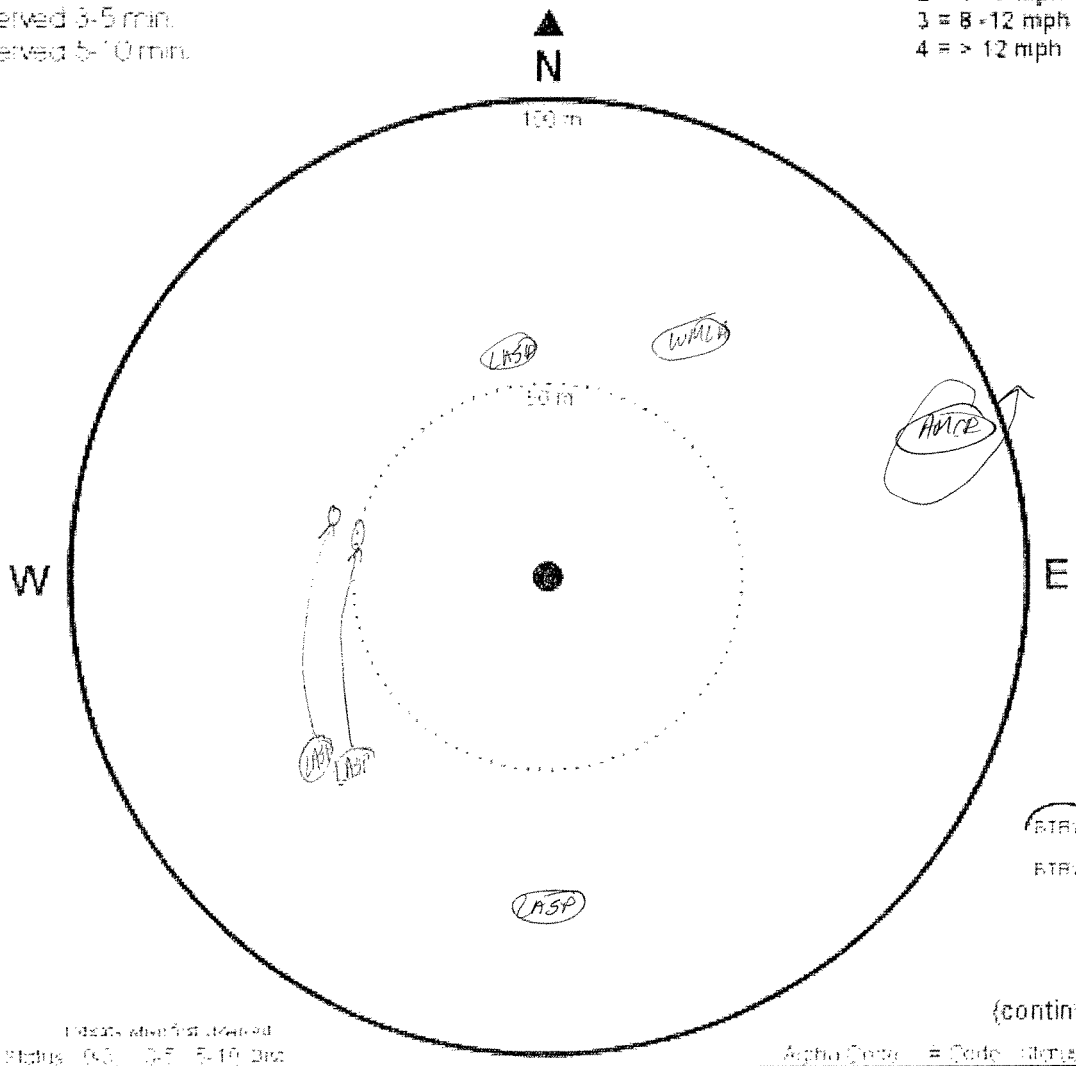
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
5	19	80	5:20	J. Meyer / Jones	80s	0	0

Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 - 12 mph
4 = > 12 mph

Sky:
0 = < 10% cloud
1 = partly cloudy
2 = mostly cloud
3 = overcast
4 = raining

BTBW = first observed 0-3 min
BTBW ✓ = first observed 3-5 min.
BTBW ✗ = first observed 5-10 min.

Notes:



Status
juvenile = J
nest N
flyover = X
BTBW observed = O (sex unknown)

Alpha Code	# Code	Status	Initials when first observed 0-3	3-5	5-10	Dist
LASP		S				
LASP		S				
WMLA		S				
AMCR		S				
LASP		S				
LASP		S				

Dist = minimum distance from observer

Status
ranging male = S
male (sex) = M
female (sex) = F
pair together P
calling (% sex) C
changes in position
simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist

Dist = minimum distance from observer

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	TS-9			Sagebrush

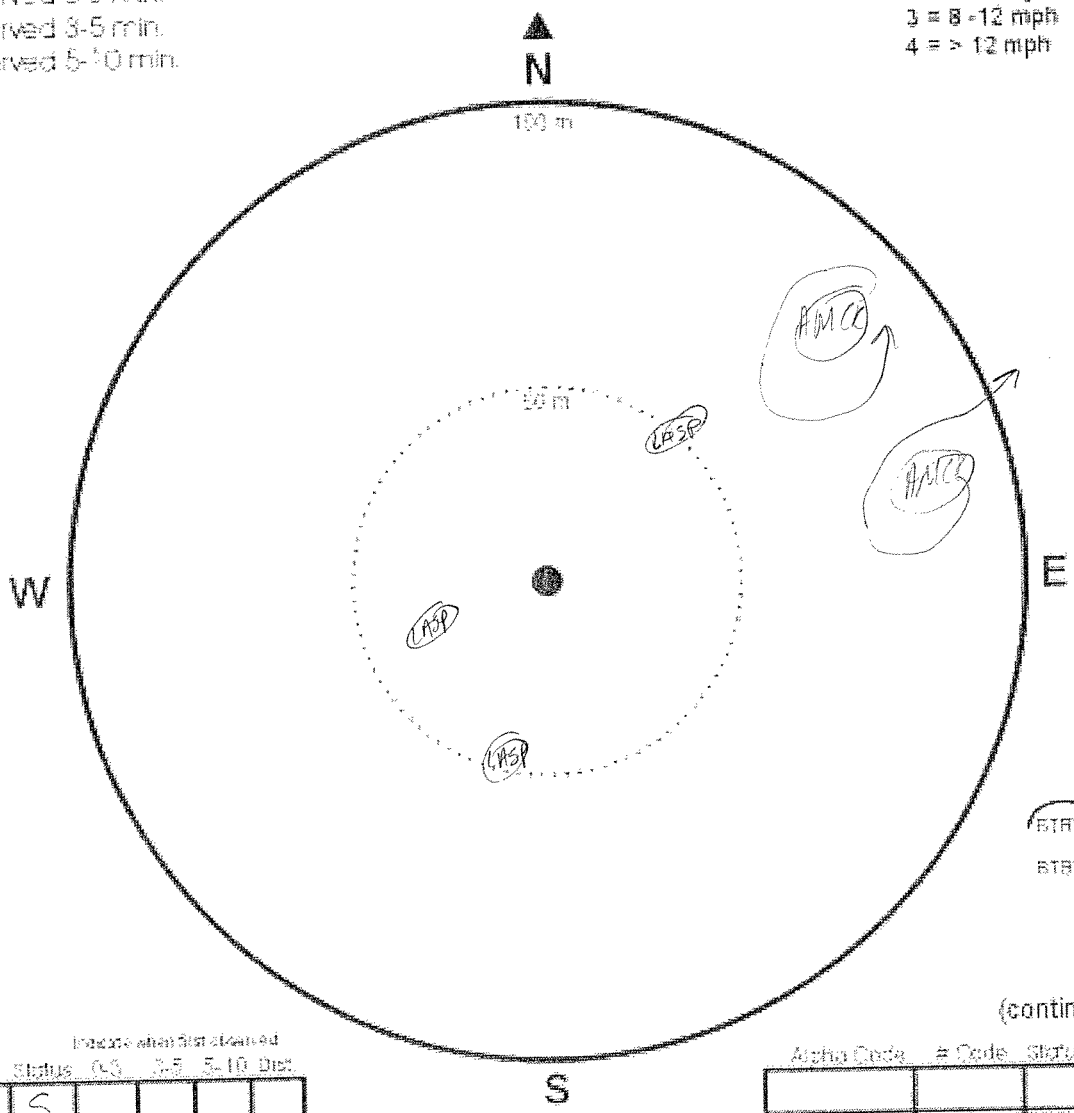
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
5	20	08	10:25	J. Meyer / R. Jones	180s	0	0

Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 - 12 mph
4 = > 12 mph

Sky:
0 = < 10% clouds
1 = partly cloudy
2 = mostly cloudy
3 = overcast
4 = raining

BTBW = first observed 0-3 min.
BTBW ✔ = first observed 3-5 min.
BTBW ✘ = first observed 5-10 min.

Notes:



Status
juvenile = J
nest = N
flyover = X
observed = O (sex unknown)

Alpha Code	# Code	Status	Indicate when first observed 0-3	3-5	5-10	Dist.
LASP		S				
LASP		S		✓		
LASP		S			X	
AMCR		S			X	
AMCR		S			X	

Dist. = minimum distance from observer

Status
singing male = S
male (silent) = M
female (silent) = F
pair together = P
calling (unk. sex) = C
change in position
simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T6-2			GRASSLAND

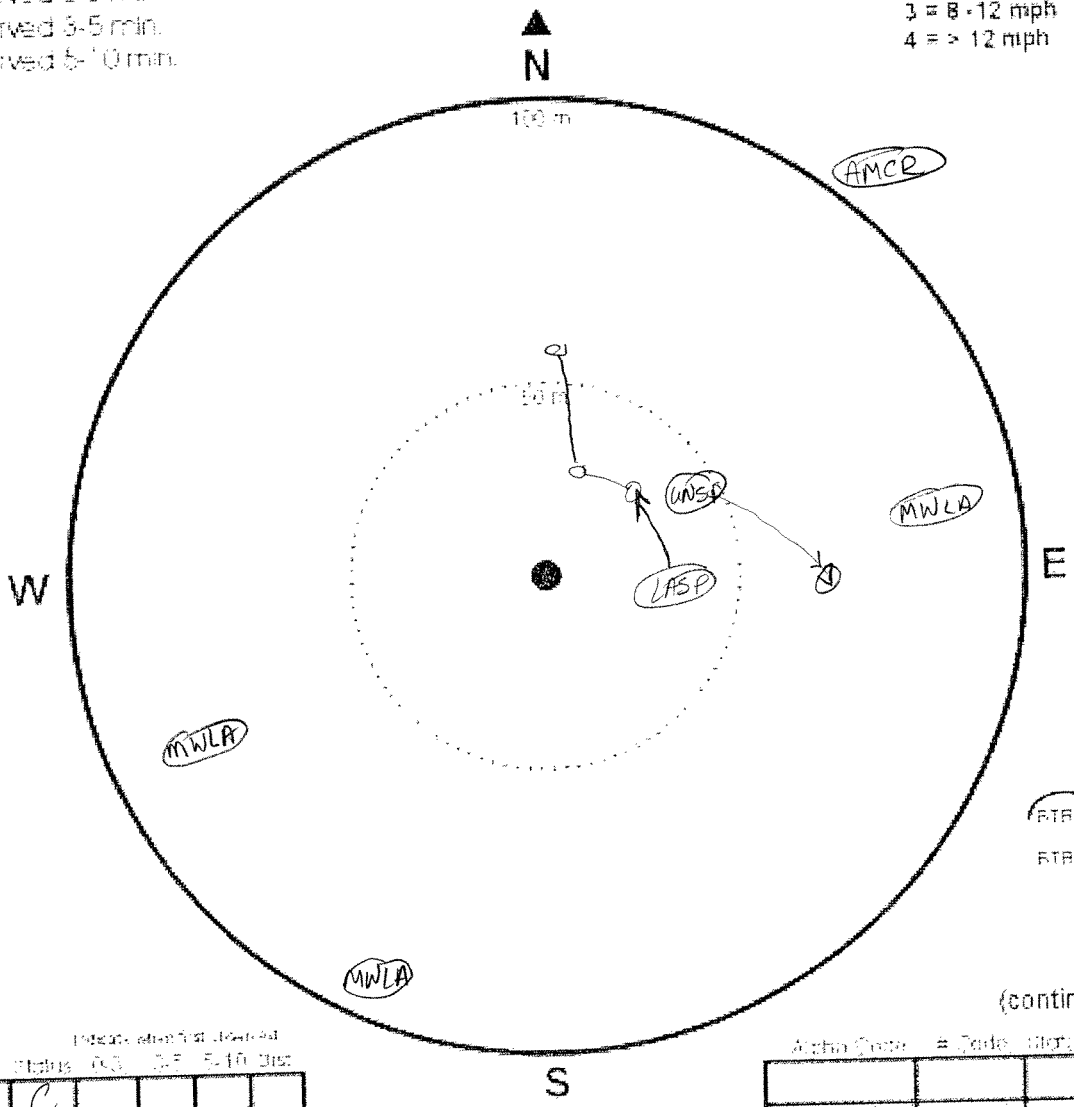
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
5	19	08	10:29	MEYER / JONES	↑70's	1	0

Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 - 12 mph
4 = > 12 mph

Sky:
0 = < 10% clouds
1 = partly cloudy
2 = mostly cloudy
3 = overcast
4 = raining

BTBW = first observed 0-3 min
BTBW ✓ = first observed 3-5 min.
BTBW ✗ = first observed 5-10 min.

Notes:



Status
juvenile = J
nest = N
BTBW ↓ flyover = X
BTBW observed = O (see unknown)

Alpha Code	# Code	Status	Indicate when first observed 0-3	3-5	5-10	Dist
AMCR		C				
MWLA		C				
LASP		C				
MWLA		C	✓			
MWLA		C	✓			
UNSP		C		X		

Status
STBW ↓ ranging male = S
STBW ↑ male (sent) = M
STBW ↓ female (sent) = F
STBW ↑ pair together = P
STBW ↑ calling (%) sex = C
STBW → STBW changes in position
STBW ⊣⊢ STBW simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist

Dist = minimum distance from observer

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T6-4			Grassland

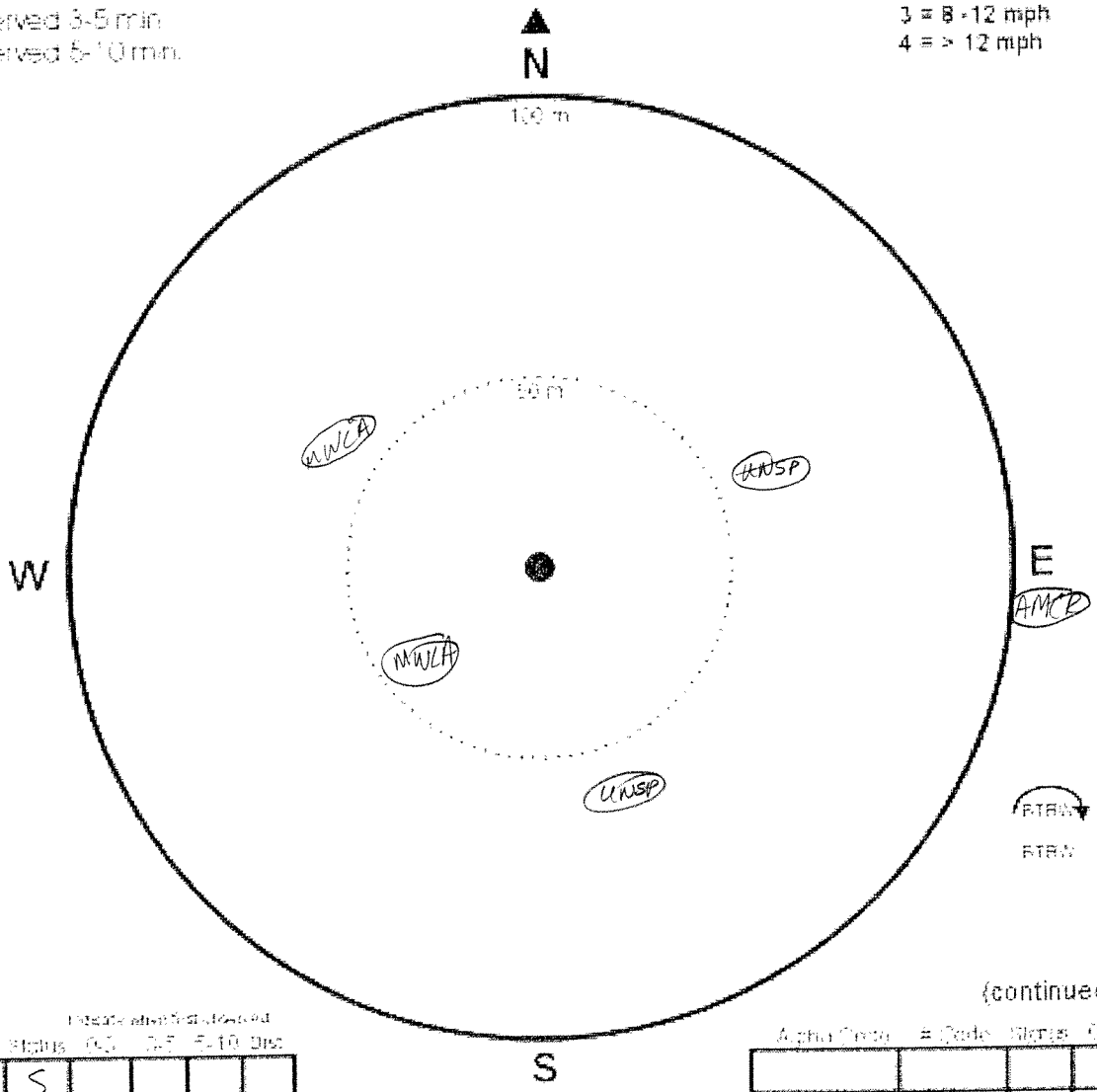
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
5	19	80	1:41	Meyer/Jones	↓90s	2	0

Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 - 12 mph
4 = > 12 mph

Sky:
0 = < 10% cloud
1 = partly cloudy
2 = mostly cloud
3 = overcast
4 = raining

BTBW = first observed 0-3 min
BTBW ✓ = first observed 3-5 min
BTBW ✗ = first observed 5-10 min.

Notes:



Status
juvenile = J
nest = N
flyover = X
BTBW observed = O (sex unknown)

Alpha Code	# Code	Status	Distance after first observed 0-3	3-5	5-10	Dist
MWLA		S				
AMCR		S				
UNSP		S				
UNSP		S		✓		
MWLA					X	

Dist = minimum distance from observer

Status
BTBW ranging male = S
BTBW male (sex) = M
BTBW female (sex) = F
BTBW pair together = P
BTBW calling (no sex) = C
BTBW → BTBW changes in position
BTBW ‖ BTBW simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist

Dist = minimum distance from observer

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T6-6			Sagebrush

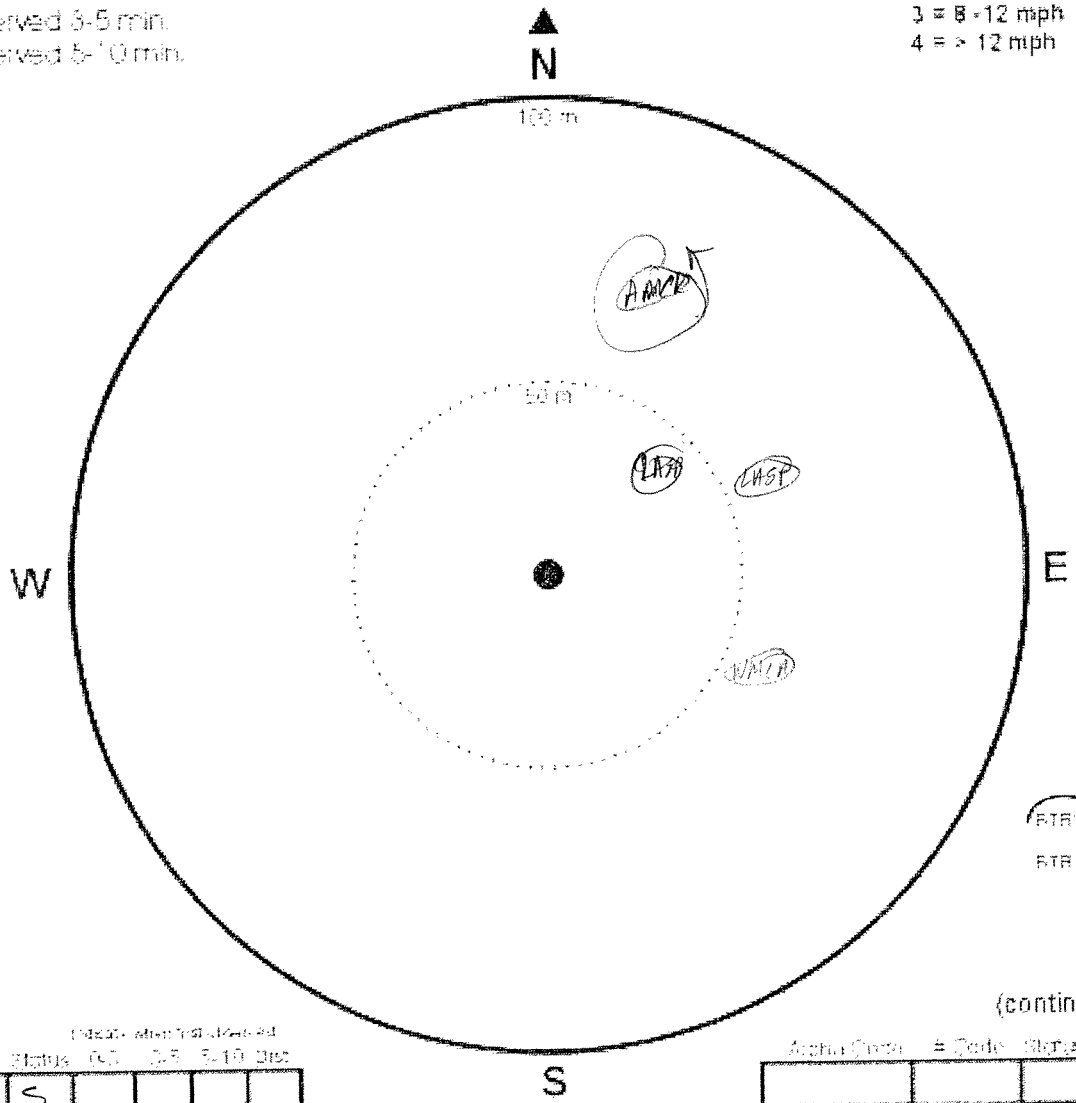
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
5	19	08	4:33	Meyer / Jones	↑80s	0	0

Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 - 12 mph
4 = > 12 mph

Sky:
0 = < 10% clouds
1 = partly cloudy
2 = mostly cloudy
3 = overcast
4 = raining

BTBW = first observed 0-3 min.
BTBW ✓ = first observed 3-5 min.
BTBW ✗ = first observed 5-10 min.

Notes:



Status
juvenile = J
nest = N
BTBW flyover = X
BTBW observed = O (see unknown)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist
AMCR		S				
LASP		S				
LASP		S		✓		
WMLA		S			X	

Status
singing male = S
male (seen) = M
female (seen) = F
pair together = P
calling (?) sex = C
change in position
simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist

Dist = minimum distance from observer

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T6-8			Sagebrush

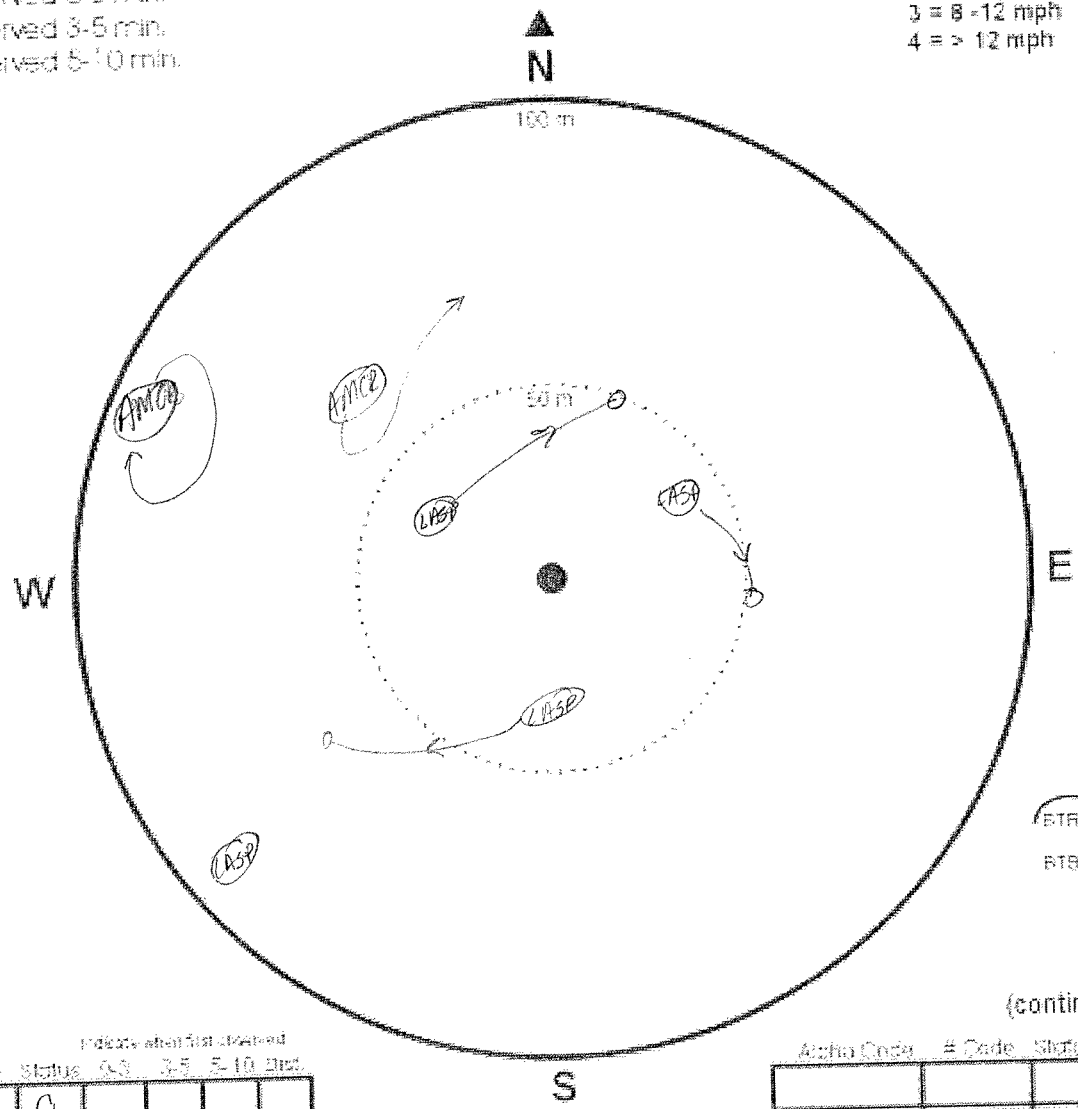
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
5	20	08	8:53	J. Mayer/R. Jones	50s	1	0

Wind: 0 = none; 1 = 1 - 3 mph; 2 = 4 - 7 mph; 3 = 8 - 12 mph; 4 = > 12 mph

Sky: 0 = < 10% clouds; 1 = partly cloudy; 2 = mostly cloudy; 3 = overcast; 4 = raining

BTBW = first observed 0-3 min.
BTBW ✓ = first observed 3-5 min.
BTBW ✗ = first observed 5-10 min.

Notes:



Status
juvenile = J
nest = N
flyover = X
BTBW observed = O (sex unknown)

Indicate when first observed

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.
AMCR		O				
LASP		S				
LASP		S				
LASP		S				
LASP		S				

Dist. = minimum distance from observer

Status
singing male = S
male (seen) = M
female (seen) = F
pair together = P
calling (?? sex) = C
change in position
simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer
1 = < 50 m; 2 = 50 - 100 m; 3 = > 100 m

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T7-3			Disturbed Grassland

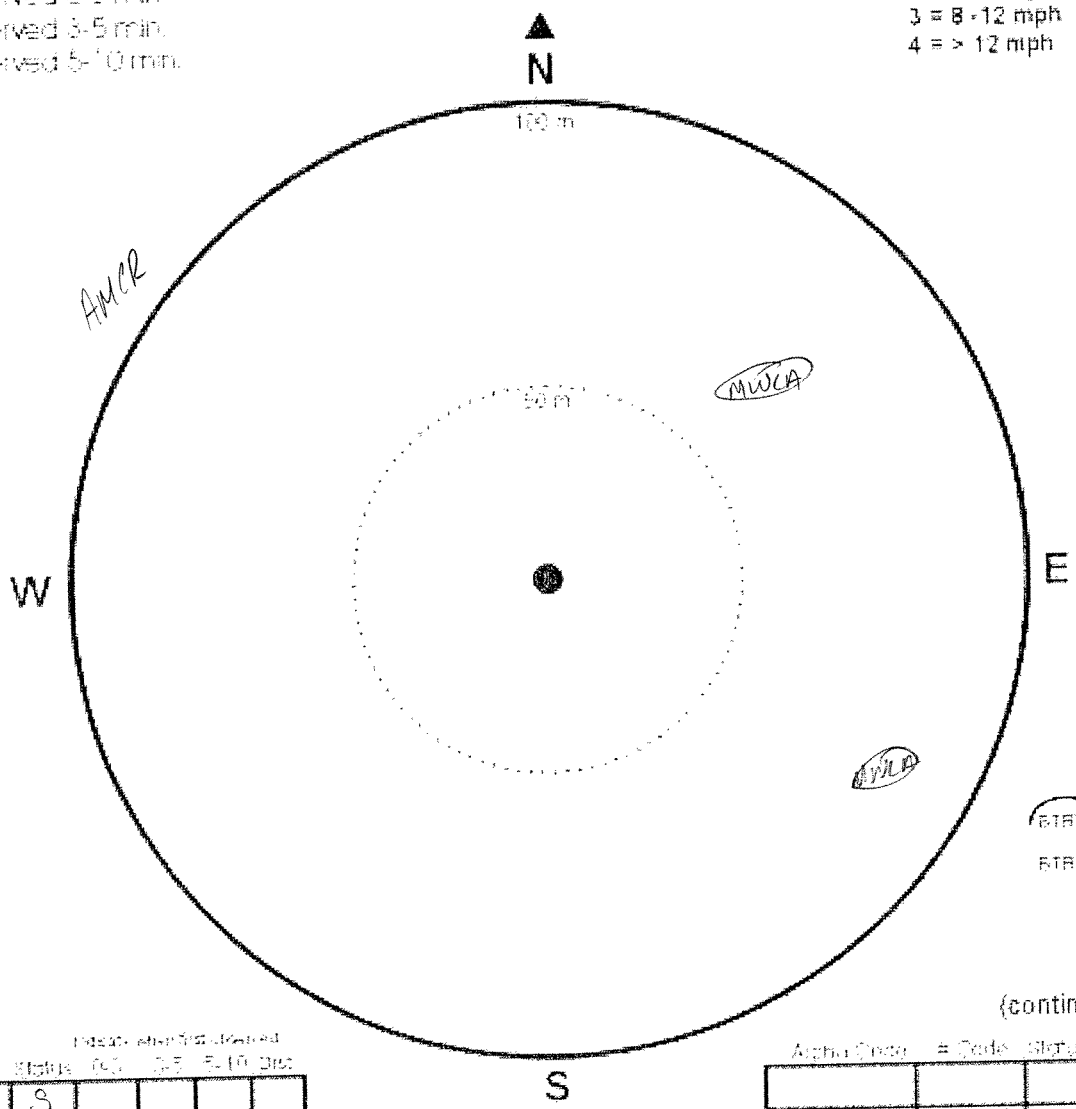
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
5	19	08	10:55	Meyer / Jones	↓ 80s	1	0

Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 - 12 mph
4 = > 12 mph

Sky:
0 = < 10% clouds
1 = partly cloudy
2 = mostly cloudy
3 = overcast
4 = raining

BTBW = first observed 0-3 min
BTBW ✔ = first observed 3-5 min
BTBW ✘ = first observed 5-10 min

Notes:



Status
juvenile = J
nest = N
flyover = X
BTBW observed = O (sex unknown)

Alpha Code	# Code	Status	Distance after first observed 0-3	3-5	5-10	Dist
MWLA		S				
MWLA		S				
AMCR		S			X	

Dist = minimum distance from observer

Status
singing male = S
male (seen) = M
female (seen) = F
pair together = P
calling (W/ sex) = C
change in position
simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist

Dist = minimum distance from observer

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T7-5			Road

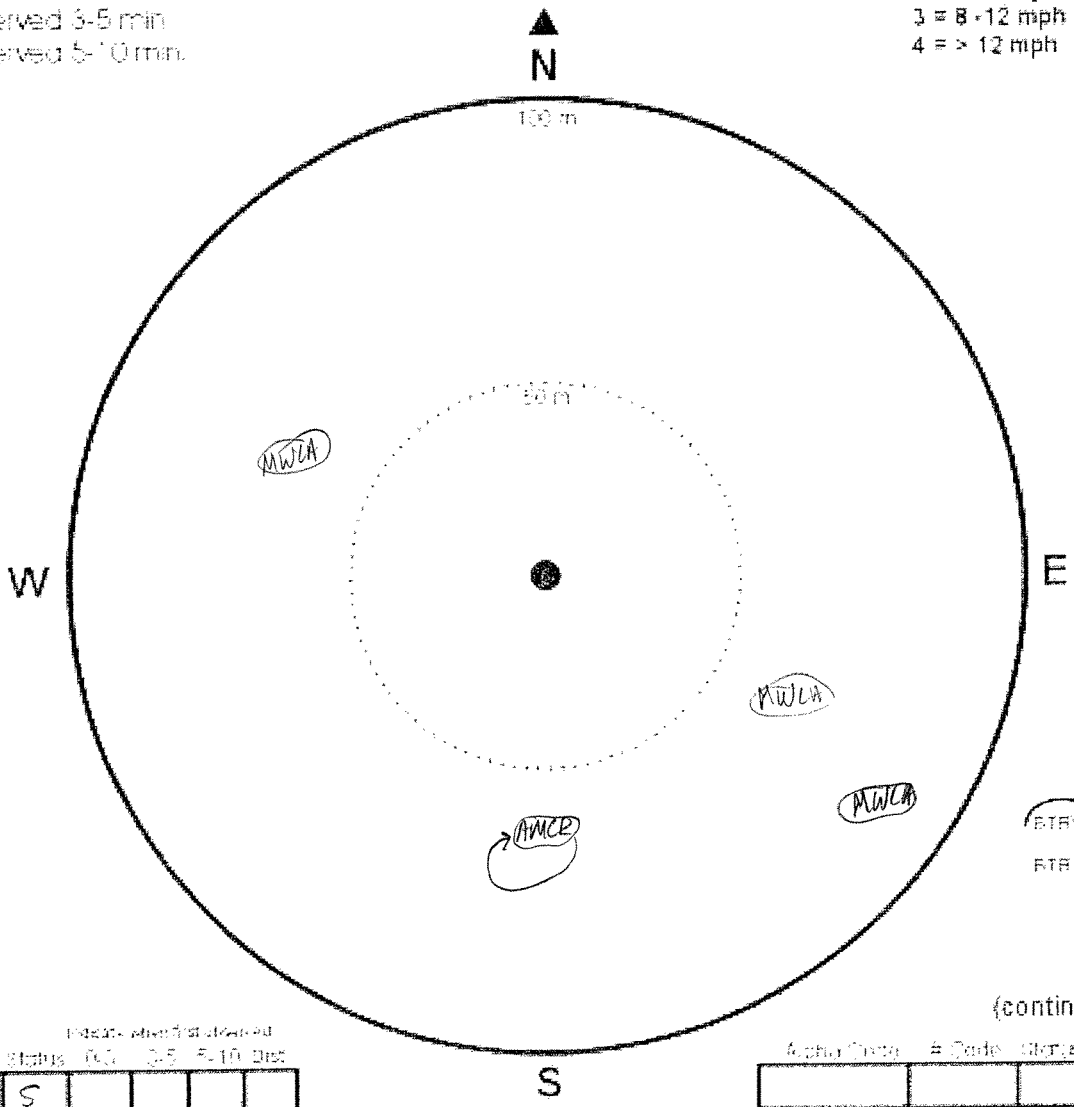
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
5	19	08	2:02	Meyer/Jones	↓90s	1	0

Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 - 12 mph
4 = > 12 mph

Sky:
0 = < 10% cloud
1 = partly cloudy
2 = mostly cloud
3 = overcast
4 = raining

BTBW = first observed 0-3 min
BTBW ✓ = first observed 3-5 min
BTBW ✗ = first observed 5-10 min

Notes:



Status
juvenile = J
nest = N
BTBW flyover = X
BTBW observed = O (sex unknown)

Alpha Code	# Code	Status	Indicate when first observed 0-3	3-5	5-10	Dist
MWLA		S				
MWLA		S				
MWLA		S		✓		
AMCR		C			X	

Dist = minimum distance from observer

Status
singing male = S
male (seen) = M
female (seen) = F
pair together = P
calling (w/ sex) = C
change in position
simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist

Dist = minimum distance from observer

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T7-7			Roadside

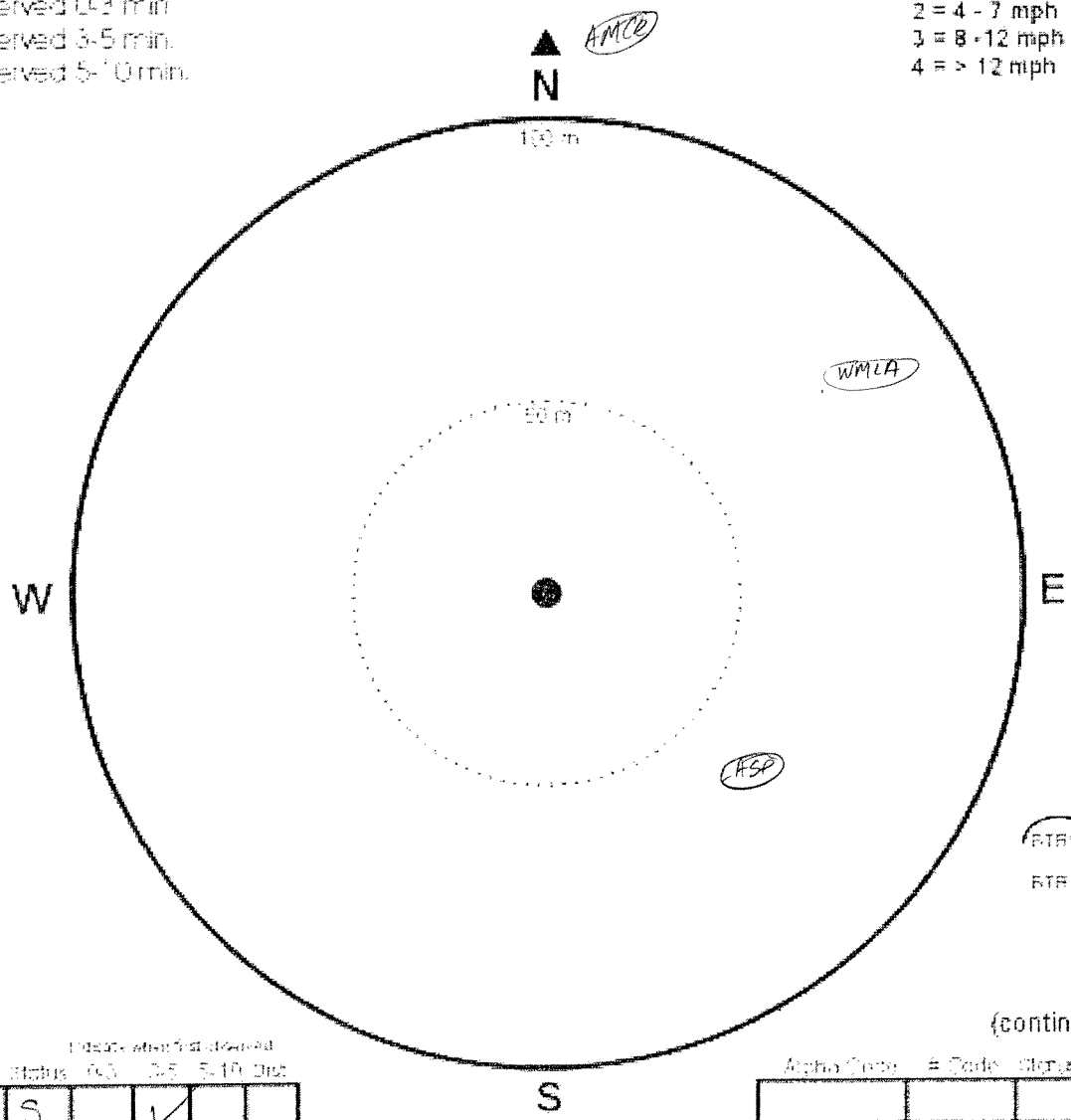
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
5	19	20	4:58	Meyer/Jones	↓80s	1	0

Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 - 12 mph
4 = > 12 mph

Sky:
0 = < 10% cloud
1 = partly cloudy
2 = mostly cloud
3 = overcast
4 = raining

BTBW = first observed 0-3 min
BTBW ✓ = first observed 3-5 min.
BTBW ✗ = first observed 5-10 min.

Notes:



Status
juvenile = J
nest N
BTBW flyover = X
BTBW observed = O (sex unknown)

Alpha Code	# Code	Status	Distance when first observed 0-3	3-5	5-10	Dist
WMLA		S		✓		
AMCR		S		✓		200m
LASP					X	

Dist = minimum distance from observer

Status
BTBW singing male = S
BTBW male (silent) = M
BTBW female (silent) = F
BTBW pair together P
BTBW calling (?) sex C
BTBW → BTBW changes in position
BTBW ‖ BTBW simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist

Dist = minimum distance from observer

Bird Point Census Form

State	SiteID	Latitude	Longitude	Habitat Type
CO	T7-9			Sagebrush

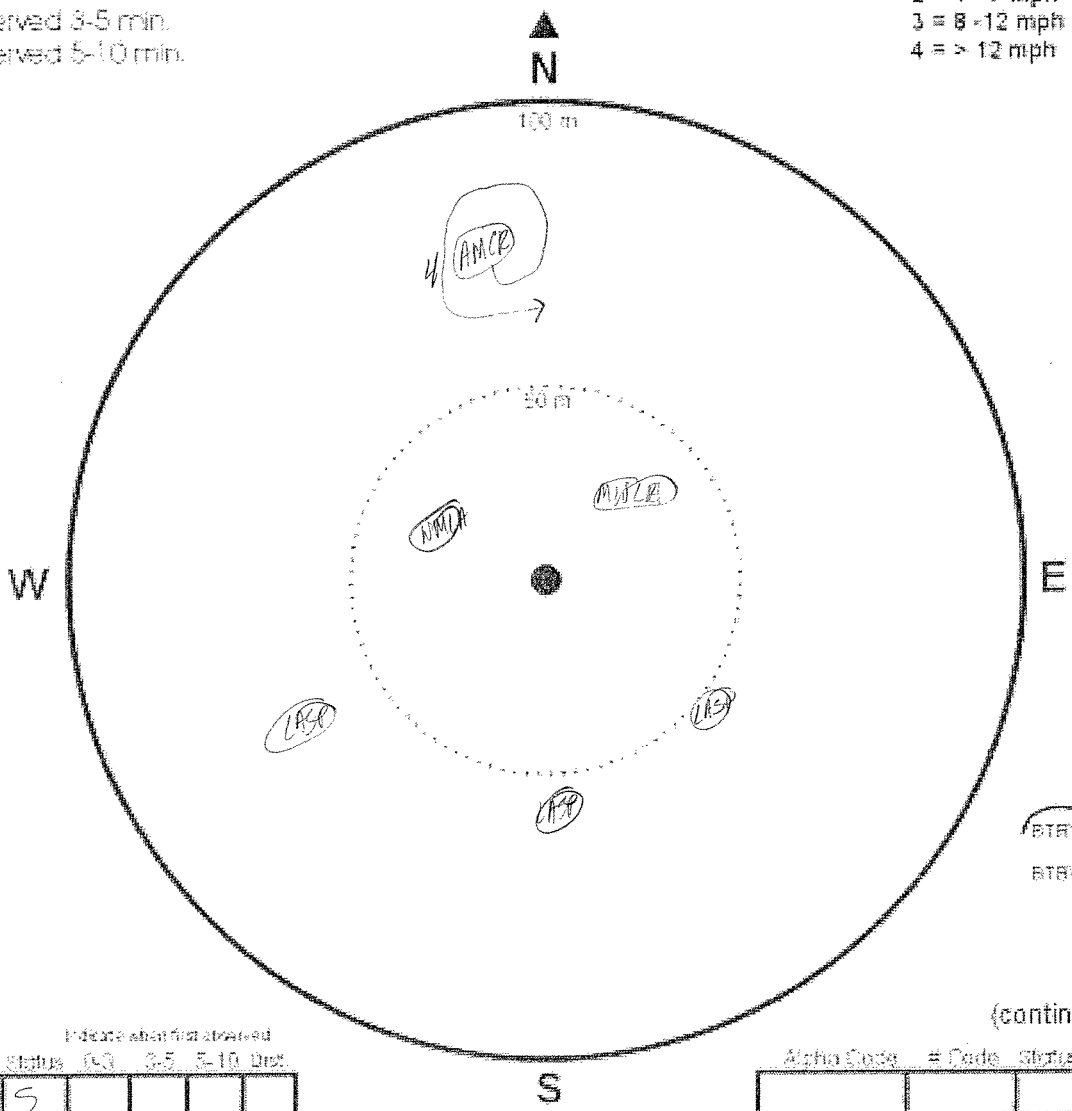
Month	Day	Year	Time	Observer(s)	Temp.	Wind	Sky
5	20	08	9:27	J. Meyer / R. Jones	M 80s	0	0

Wind:
0 = none
1 = 1 - 3 mph
2 = 4 - 7 mph
3 = 8 - 12 mph
4 = > 12 mph

Sky:
0 = < 10% cloud
1 = partly cloudy
2 = mostly cloud
3 = overcast
4 = raining

BTBW = first observed 0-3 min.
BTBW ✓ = first observed 3-5 min.
BTBW ✗ = first observed 5-10 min.

Notes:



Status
juvenile = J
nest = N
flyover = X
observed = O (sex unknown)

Alpha Code	# Code	Status	Indicate when first observed 0-3	3-5	5-10	Dist.
AMCR		S				
AMCR		S				
AMCR		S				
AMCR		S				
WMLA		S				
LASP		S		✓		
LASP		S		✓		
LASP		S			X	
WMLA		S			X	

Dist. = minimum distance from observer
1 = < 50 m; 2 = 50 - 100 m; 3 = > 100 m

Status
singing male = S
male (none) = M
female (mean) = F
pair together = P
calling (W sex) = C
change in position
simultaneous song of 2 males

(continued)

Alpha Code	# Code	Status	0-3	3-5	5-10	Dist.

Dist. = minimum distance from observer
1 = < 50 m; 2 = 50 - 100 m; 3 = > 100 m