

[illegible]

LOCATION CHAND-2

OBSERVERS ESB

BEGIN

END

DATE TIME 2 JUNE 2013 0813
 LAT/LONG 35.74410 96.85664
 WIND: 6-5
 SKY: 0%

2 JUNE 2013 0900
 35.73591 96.85586
 6-10
 50%

TIME	SPECIES	S/H	DISTANCE	ANGLE	NOTES
0813	DICK H		30	-110	
13	DICK HS		45	45	
0814	EADH S		50	45	
0814	MIKIS		100	180	PERCHED IN TREE ABOVE POND
16	EADH S		15	-110	MATE OF PREVIOUS
17	EAME H		70	-120	
18	EADH H		110	120	
19	EAMC H		200	-45	
19	EAMC H		150	45	
20	BASW S		130	55	
21	NOBCH		180	60	
21	EAMES		150	60	SAME AS

BARN SWALL



Grassland Bird Survey Datasheet

Already started, not completely entered

Date: 06/04/13

Observer: BS

Page: 1

If found please contact: Jeremy Ross (419)

575-2414 or Eli Bridge (405) 240-2149

Loc: Drummond

Rte/Trnsct: C

GPS unit: Beldred

Start:

LAT 36.30397 LON 98.04425

End:

LAT 36.32507 LON 98.04634

Time 07:21 Cloud 95 Wind 15-20 NNE

Time 09:32 Cloud 85 Wind 10-16 NNE

TIME	SPECIES	QTY	Hrd/Seen	Angle (deg)	DIST (m)	NOTES	TIME	SPECIES	QTY	Hrd/Seen	Angle (deg)	DIST (m)	NOTES
07:21	RED	1	S	-20	5	NEAR HATCH KILL	:						
:22	DICK	1	H	-70	30		:						
:22	"	1	H	130	40		:						DR F700 OFF
:22	"	1	H	180	45		:						TRANSACT
:23	"	1	H	5	70		:						~300M
:23	"	1	H	-90	40		:						
:23	EMME	1	H	-70	130		:						
:25	DICK	1	S	45	25		:						
:26	EMME	1	H	90	45		:						
:26	EMME	1	H	-50	70		:						
:26	GRSP	1	S	-80	25	FEAR 8.1	:						
:27	DICK	1	H	110	35		:						
:28	COHL	1	S	0	220	NIGHTHAWK FLYING	:						
:28	MODO	2	S	35	160		:						
:31	BACO	1	S	10	60	FLYK 16	:						
:32	EMME	1	S	-25	120		:						
:32	DICK	1	H	45	86		:						
:36	EMME	1	S	80	95		:						
:36	DICK	1	H	70	60		:						
:37	EMME	2	S	-40	75		:						
:37	DICK	1	S	-20	80		:						
:40	GRSP	1	S	35	25		:						
:40	EMME	1	S	55	180		:						
:42	EMME	1	S	70	15	FLYK 10 (P)	:						
:45	DICK	1	S	6	100		:						
:45	EMME	1	H	-10	70		:						
:49	HOCO	1	H	110	20	NOR / DICK 10	:						
:49	EMME	1	H	-40	70		:						
:50	DICK	1	S	90	60		:						
:50	MODO	1	S	10	150	FLYK 10	:						
:51	DICK	1	H	70	65		:						
:52	"	1	H	85	70		:						
:54	BACO	1	S	85	100	FLYK 10	:						

START VEGETATION SURVEY

Minimum height of visual obstruction (cm):

Ground cover (% from above):

Bare ground

Litter

Grasses

Forbs

Standing Dead

END VEGETATION SURVEY

Minimum height of visual obstruction (cm):

Ground cover (% from above):

Bare ground

Litter

Grasses

Forbs

Standing Dead



Grassland Bird Survey Datasheet

Observer: <u>ESB</u>	Date: <u>06/04/13</u>	Loc: <u>Drummond</u>	Rte/Trnsct: <u>2</u>
GPS unit: <u>66</u>	Page <u>2</u> of <u>3</u>	If found please contact: Jeremy Ross (419) 575-2414 or Eli Bridge (405) 240-2149	
End: LAT <u>35</u> LON <u>96</u>	Time: <u>10:00</u>	Cloud: <u>100</u>	Wind: <u>0</u>

TIME	SPECIES	QTY	Hrd/Seen	Angle (deg)	DIST (m)	NOTES	TIME	SPECIES	QTY	Hrd/Seen	Angle (deg)	DIST (m)	NOTES
07:55	NOB	1	U				08:32	GRAME	3	S	-70	170	2 flying
08:00	DICK	1	H	-80	60		08:33	DICK	1	H	-75	50	
08:01	DICK	1	H	-35	40		08:34	DICK	1	S	50	100	
08:02	DICK	1	H	-90	190		08:35	DICK	1	S	90	60	
08:03	DICK	1	H	-65	80		08:36	DICK	1	S	90	60	
08:04	DICK	1	S	30	85		08:37	DICK	1	S	90	60	
08:05	DICK	1	U	-65	60		08:38	DICK	1	H	90	160	
08:06	DICK	1	U	-65	60		08:39	GRAME	1	H	90	160	
08:07	DICK	1	S	45	100		08:40	STFL	1	H	85	80	
08:08	NOB	2	S	-15	180		08:41	STFL	1	H	85	80	
08:09	DICK	2	S	40	110		08:42	STFL	1	S	-75	110	
08:10	DICK	1	S	45	110		08:43	DICK	1	S	-75	110	
08:11	DICK	1	S	45	110		08:44	DICK	1	S	-75	110	
08:12	DICK	1	S	45	110		08:45	DICK	1	S	-75	110	
08:13	DICK	1	S	45	110		08:46	DICK	1	S	-75	110	
08:14	DICK	1	S	45	110		08:47	DICK	1	S	-75	110	
08:15	DICK	1	S	45	110		08:48	DICK	1	S	-75	110	
08:16	DICK	1	S	45	110		08:49	DICK	1	S	-75	110	
08:17	DICK	1	S	45	110		08:50	DICK	1	S	-75	110	
08:18	DICK	1	S	45	110		08:51	DICK	1	S	-75	110	
08:19	DICK	1	S	45	110		08:52	DICK	1	S	-75	110	
08:20	DICK	1	S	45	110		08:53	DICK	1	S	-75	110	
08:21	DICK	1	S	45	110		08:54	DICK	1	S	-75	110	
08:22	DICK	1	S	45	110		08:55	DICK	1	S	-75	110	
08:23	DICK	1	S	45	110		08:56	DICK	1	S	-75	110	
08:24	DICK	1	S	45	110		08:57	DICK	1	S	-75	110	
08:25	DICK	1	S	45	110		08:58	DICK	1	S	-75	110	
08:26	DICK	1	S	45	110		08:59	DICK	1	S	-75	110	
08:27	DICK	1	S	45	110		09:00	DICK	1	S	-75	110	
08:28	DICK	1	S	45	110		09:01	DICK	1	S	-75	110	
08:29	DICK	1	S	45	110		09:02	DICK	1	S	-75	110	
08:30	DICK	1	S	45	110		09:03	DICK	1	S	-75	110	
08:31	DICK	1	S	45	110		09:04	DICK	1	S	-75	110	
08:32	DICK	1	S	45	110		09:05	DICK	1	S	-75	110	
08:33	DICK	1	S	45	110		09:06	DICK	1	S	-75	110	
08:34	DICK	1	S	45	110		09:07	DICK	1	S	-75	110	
08:35	DICK	1	S	45	110		09:08	DICK	1	S	-75	110	
08:36	DICK	1	S	45	110		09:09	DICK	1	S	-75	110	
08:37	DICK	1	S	45	110		09:10	DICK	1	S	-75	110	
08:38	DICK	1	S	45	110		09:11	DICK	1	S	-75	110	
08:39	DICK	1	S	45	110		09:12	DICK	1	S	-75	110	
08:40	DICK	1	S	45	110		09:13	DICK	1	S	-75	110	
08:41	DICK	1	S	45	110		09:14	DICK	1	S	-75	110	
08:42	DICK	1	S	45	110		09:15	DICK	1	S	-75	110	
08:43	DICK	1	S	45	110		09:16	DICK	1	S	-75	110	
08:44	DICK	1	S	45	110		09:17	DICK	1	S	-75	110	
08:45	DICK	1	S	45	110		09:18	DICK	1	S	-75	110	
08:46	DICK	1	S	45	110		09:19	DICK	1	S	-75	110	
08:47	DICK	1	S	45	110		09:20	DICK	1	S	-75	110	
08:48	DICK	1	S	45	110		09:21	DICK	1	S	-75	110	
08:49	DICK	1	S	45	110		09:22	DICK	1	S	-75	110	
08:50	DICK	1	S	45	110		09:23	DICK	1	S	-75	110	
08:51	DICK	1	S	45	110		09:24	DICK	1	S	-75	110	
08:52	DICK	1	S	45	110		09:25	DICK	1	S	-75	110	
08:53	DICK	1	S	45	110		09:26	DICK	1	S	-75	110	
08:54	DICK	1	S	45	110		09:27	DICK	1	S	-75	110	
08:55	DICK	1	S	45	110		09:28	DICK	1	S	-75	110	
08:56	DICK	1	S	45	110		09:29	DICK	1	S	-75	110	
08:57	DICK	1	S	45	110		09:30	DICK	1	S	-75	110	
08:58	DICK	1	S	45	110		09:31	DICK	1	S	-75	110	
08:59	DICK	1	S	45	110		09:32	DICK	1	S	-75	110	
09:00	DICK	1	S	45	110		09:33	DICK	1	S	-75	110	
09:01	DICK	1	S	45	110		09:34	DICK	1	S	-75	110	
09:02	DICK	1	S	45	110		09:35	DICK	1	S	-75	110	
09:03	DICK	1	S	45	110		09:36	DICK	1	S	-75	110	
09:04	DICK	1	S	45	110		09:37	DICK	1	S	-75	110	
09:05	DICK	1	S	45	110		09:38	DICK	1	S	-75	110	
09:06	DICK	1	S	45	110		09:39	DICK	1	S	-75	110	
09:07	DICK	1	S	45	110		09:40	DICK	1	S	-75	110	
09:08	DICK	1	S	45	110		09:41	DICK	1	S	-75	110	
09:09	DICK	1	S	45	110		09:42	DICK	1	S	-75	110	
09:10	DICK	1	S	45	110		09:43	DICK	1	S	-75	110	
09:11	DICK	1	S	45	110		09:44	DICK	1	S	-75	110	
09:12	DICK	1	S	45	110		09:45	DICK	1	S	-75	110	
09:13	DICK	1	S	45	110		09:46	DICK	1	S	-75	110	
09:14	DICK	1	S	45	110		09:47	DICK	1	S	-75	110	
09:15	DICK	1	S	45	110		09:48	DICK	1	S	-75	110	
09:16	DICK	1	S	45	110		09:49	DICK	1	S	-75	110	
09:17	DICK	1	S	45	110		09:50	DICK	1	S	-75	110	
09:18	DICK	1	S	45	110		09:51	DICK	1	S	-75	110	
09:19	DICK	1	S	45	110		09:52	DICK	1	S	-75	110	
09:20	DICK	1	S	45	110		09:53	DICK	1	S	-75	110	
09:21	DICK	1	S	45	110		09:54	DICK	1	S	-75	110	
09:22	DICK	1	S	45	110		09:55	DICK	1	S	-75	110	
09:23	DICK	1	S	45	110		09:56	DICK	1	S	-75	110	
09:24	DICK	1	S	45	110		09:57	DICK	1	S	-75	110	
09:25	DICK	1	S	45	110		09:58	DICK	1	S	-75	110	
09:26	DICK	1	S	45	110		09:59	DICK	1	S	-75	110	
09:27	DICK	1	S	45	110		10:00	DICK	1	S	-75	110	
09:28	DICK	1	S	45	110								
09:29	DICK	1	S	45	110								
09:30	DICK	1	S	45	110								
09:31	DICK	1	S	45	110								
09:32	DICK	1	S	45	110								
09:33	DICK	1	S	45	110								
09:34	DICK	1	S	45	110								
09:35	DICK	1	S	45	110								
09:36	DICK	1	S	45	110								
09:37	DICK	1	S	45	110								
09:38	DICK	1	S	45	110								
09:39	DICK	1	S	45	110								
09:40	DICK	1	S	45	110								
09:41	DICK	1	S	45	110								
09:42	DICK	1	S	45	110								
09:43	DICK	1	S	45	110								
09:44	DICK	1	S	45	110								
09:45	DICK	1	S	45	110								
09:46	DICK	1	S	45	110								
09:47	DICK	1	S	45	110								
09:48	DICK	1	S	45	110								
09:49	DICK	1	S	45	110								
09:50	DICK	1	S	45	110								
09:51	DICK	1	S	45	110								
09:52	DICK	1	S	45	110								
09:53	DICK	1	S	45	110								
09:54	DICK	1	S	45	110								
09:55	DICK	1	S	45	110								
09:56	DICK	1	S	45	110								
09:57	DICK	1	S	45	110								
09:58	DICK	1	S	45	110								
09:59	DICK	1	S	45	110								
10:00	DICK	1	S	45	110								



Grassland Bird Survey Datasheet

Date: 06/04/13	Observer: ESB	Page: 2
Loc: DeWmond	Rte/Trsect: 102	GPS unit: 12010206
Start: LAT 36.3725 LON 98.05182	Time 10:07 Cloud 50 Wind 05 NNE	End: LAT 36.30406 LON 98.05145
	Time 10:07 Cloud 54 Wind 10-15 NNE	
If found please contact: Jeremy Ross (419) 575-2414 or Eli Bridge (405) 240-2149		

TIME	SPECIES	QTY	Hrd/Seen	Angle (deg)	DIST (m)	NOTES	TIME	SPECIES	QTY	Hrd/Seen	Angle (deg)	DIST (m)	NOTES
10:08	DICK	1	H	40	60		10:35	DICK	1	H	30	50	
08	DICK	1	H	35	30		10:36	GRAME	1	H	-35	75	
06	KICK	1	S	-90	70	KILL	10:37	GRAME	1	S	110	55	
09	DICK	1	H	70	65		037	DICK	1	H	25	50	
11	GRAME	1	H	5	150		040	GRAME	1	S	50	50	
11	DICK	1	S	0	80		040	DICK	1	S	45	60	
11	GRAME	1	H	55	110		041	GRAME	1	S	45	70	
12	DICK	1	H	35	110		042	DICK	1	H	35	80	
14	DICK	1	H	25	50		043	GRAME	1	S	25	90	GRAME
15	DICK	1	H	65	60		044	GRAME	1	S	35	55	
15	DICK	1	H	40	50		044	DICK	2	S	45	65	(P)
15	GRAME	1	H	5	90		045	GRAME	2	S	65	120	(P)
17	DICK	1	H	-20	50		046	DICK	1	H	35	70	
18	DICK	(2)	S	30	25	(P)	049	GRAME	1	S	30	90	
20	GRAME	1	S	-15	20	FLUSHED	049	DICK	1	H	5	90	
21	DICK	1	H	-90	80		052	GRAME	2	S	15	70	FLUSHED
21	"	1	H	-5	105		:	:	:	:	:	:	:
21	"	1	H	90	80		:	:	:	:	:	:	:
21	"	1	H	40	45		:	:	:	:	:	:	:
21	GRAME	1	H	-60	130		:	:	:	:	:	:	:
24	DICK	1	H	40	120		:	:	:	:	:	:	:
24	DICK	1	H	40	120		:	:	:	:	:	:	:
24	DICK	1	H	-20	80		:	:	:	:	:	:	:
25	DICK	2	S	90	40	FLUSHED	:	:	:	:	:	:	:
27	DICK	1	S	45	90		:	:	:	:	:	:	:
27	GRAME	1	H	15	130		:	:	:	:	:	:	:
28	GRAME	1	S	40	210		:	:	:	:	:	:	:
28	DICK	1	H	-30	80		:	:	:	:	:	:	:
31	GRAME	1	H	-45	250	DISTANT	:	:	:	:	:	:	:
31	GRAME	1	H	-130	50		:	:	:	:	:	:	:
32	DICK	1	H	-15	65		:	:	:	:	:	:	:
34	GRAME	1	S	-15	90		:	:	:	:	:	:	:
34	GRAME	2	S	90	40	FLUSHED	:	:	:	:	:	:	:
34	GRAME	3	S	80	70	FLUSHED	:	:	:	:	:	:	:



Grassland Bird Survey Datasheet

Page #

Observer: 6/16/13

Loc: Tallgrass prairie

Start: LAT 36.94531 LON 96.45780

Time 07:41 Cloud 70% Wind 0-5 mph

End:

LAT 36.84324 LON 96.47694

Time 09:06 Cloud 70 Wind 5-10 mph

If found please contact: Jeremy Ross (419) 575-2414 or Eli Bridge (405) 240-2149

START VEGETATION SURVEY										END VEGETATION SURVEY									
TIME	SPECIES	QTY	Hrd/Seen	Angle (deg)	DIST (m)	NOTES	TIME	SPECIES	QTY	Hrd/Seen	Angle (deg)	DIST (m)	NOTES						
07:42	CLSW	1	S	-10	15	CLSW	11	DICK	1	S	30	100							
:	:	:	:	:	:		12	SPHAW	1	L	35	146							
:	:	:	:	:	:		13	DICK (2)	5	S	70	70							
:	:	:	:	:	:		14	DICK	1	S	25	25	Formica (1) mite						
07:45	DICK	1	H	-90	50		15	CLSW	1	H	45	140							
07:46	DICK	1	L	40	90		16	CLSW	1	H	50	100							
07:45	DICK	1	S	40	20	T	17	CLSW	1	H	50	100							
07:47	CLSW	1	S	-40	15	FURMIT	18	CLSW	1	H	50	100							
07:47	DICK	1	H	-90	50		19	CLSW	1	H	50	100							
07:48	CLSW	1	S	-5	135		20	GRSP	1	H	95	35							
07:49	CLSW	2	S	-15	120		21	DICK	1	S	90	90							
07:49	DICK	3	S	35	150		22	DICK	2	S	15	60	(2)						
07:49	DICK	3	S	35	150		23	DICK	1	S	-45	95							
07:50	DICK	2	S	15	30	(2)	24	DICK	1	H	-10	65							
07:50	DICK	2	S	15	30		25	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		26	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		27	DICK	1	H	10	110							
07:51	CLSW	1	H	30	110		28	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		29	DICK	1	H	10	110							
07:51	CLSW	1	H	30	110		30	DICK	2	H	80	65	2						
07:51	CLSW	1	H	30	110		31	CLSW	2	S	-40	65	2						
07:51	CLSW	1	H	30	110		32	CLSW	1	H	45	130							
07:51	CLSW	1	H	30	110		33	DICK	1	S	0	50							
07:51	CLSW	1	H	30	110		34	DICK	1	L	40	60							
07:51	CLSW	1	H	30	110		35	DICK	1	S	0	50							
07:51	CLSW	1	H	30	110		36	DICK	1	L	40	60							
07:51	CLSW	1	H	30	110		37	DICK	1	S	-30	70							
07:51	CLSW	1	H	30	110		38	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		39	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		40	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		41	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		42	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		43	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		44	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		45	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		46	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		47	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		48	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		49	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		50	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		51	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		52	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		53	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		54	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		55	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		56	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		57	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		58	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		59	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		60	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		61	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		62	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		63	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		64	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		65	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		66	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		67	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		68	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		69	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		70	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		71	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		72	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		73	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		74	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		75	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		76	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		77	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		78	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		79	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		80	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		81	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		82	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		83	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		84	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		85	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		86	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		87	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		88	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		89	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		90	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		91	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		92	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		93	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		94	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		95	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		96	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		97	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		98	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		99	CLSW	1	H	60	70							
07:51	CLSW	1	H	30	110		100	CLSW	1	H	60	70							

Ground cover (% from above):	Grasses	Forbs	Standing Dead	Litter	Bare ground
Ground cover (% from above):	Grasses	Forbs	Standing Dead	Litter	Bare ground



Grassland Bird Survey Data Sheet

Page

Observer:

Date: 06/06/13

Loc: Tall Grass 51-52 Rte/Trnsct: 51-52 GPS unit: Garmin 60

Start: LAT 36.85189 LON 96.48306

Time 09:33 cloud 75 Wind 5-10 S

End: LAT 36.85114 LON 96.43522

Time 11:37 cloud 90 Wind 0-5 SSE

If found please contact: Jeremy Ross (419) 575-2414 or Elbridge (405) 240-2149

TIME	SPECIES	QTY	Hrd/Seen	Angle (deg)	DIST (m)	NOTES	TIME	SPECIES	QTY	Hrd/Seen	Angle (deg)	DIST (m)	NOTES
09:33	CRANE	1	H	-90	70	NOISY OIL PUMPS	09:58	DICK	2	S	20	20	②
	UPSA	1	S	0	50	FLYING	09:59	DICK	1	H	40	80	
	DICK	2	S	130	110		10:00	DICK	1	S	5	30	
	UPSA	1	S	130	110		10:00	DICK	1	S	10	100	
	DICK	1	H	45	50		10:00	CRANE	1	H	-75	50	
	CRANE	1	H	-70	70		10:01	CRANE	1	H	-60	130	
	UPSA	1	S	-5	30	FLYING	10:01	DICK	1	H	-50	70	
	CRANE	1	H	0	50		10:04	DICK	1	H	-80	70	
	DICK	1	H	40	60		10:05	DICK	1	H	-30	80	
	DICK	1	H	20	70		10:05	DICK	1	H	-90	130	
	UPSA	1	S	80	25		10:07	DICK	1	H	-30	90	
	CRANE	1	H	-35	80		10:08	DICK	2	S	-40	35	②
	DICK	1	H	-30	50		10:08	DICK	1	H	5	80	
	DICK	1	H	85	40		10:09	DICK	1	H	-20	70	
	UPSA	1	S	15	20		10:12	"	1	S	20	25	
	UPSA	2	S	10	30		10:12	"	1	H	0	60	
	CRANE	1	H	-90	62		10:12	"	1	H	90	40	
	DICK	1	H	-90	20		10:12	"	1	H	40	70	
	DICK	1	S	-75	60		10:13						Bison Stampede
	DICK	1	H	-50	75		10:18						CRANE OF BISON
	DICK	1	H	70	110		10:18	CRANE	1	H	120	70	
	CRANE	1	H	60	130		10:18	DICK	1	S	10	30	
	"	1	H	-20	120		10:18	CRANE	1	H	40	90	
	"	1	S	10	30	FLYING	10:18	CRANE	1	H	20	130	
	DICK	2	H/S	55	35	②	10:18	CRANE	1	H	-30	120	
	DICK	2	S	5	30	FLYING	10:19	DICK	1	H	30	40	
	CRANE	1	H	-15	100		10:19	DICK	1	H	5	60	
	UPSA	1	H	-120	80	FLYING	10:21	DICK	1	H	30	80	
	DICK	1	S	-45	25		10:23	DICK	1	H	0	60	
	DICK	1	S	30	70		10:26	DICK	1	H	35	12	
	CRANE	1	H	80	110		10:27	DICK	2	S	30	50	
	UPSA	1	S	85	130	RECORDED	10:27	CRANE	1	H	0	70	
	CRANE	1	H	75	120		10:28	DICK	2	S	0	30	FLYING

START VEGETATION SURVEY										END VEGETATION SURVEY									
Minimum height of visual obstruction (cm):										Minimum height of visual obstruction (cm):									
Ground cover (% from above):										Ground cover (% from above):									
Bare ground					Litter					Bare ground					Litter				
Forbs					Standing Dead					Forbs					Standing Dead				
Grasses										Grasses									
:01	11	1	H	25	80					:									
:01	1	1	H	-35	60					:									
:01	DICK	1	H	-45	55					:									
:57	RAM	1	H	-105	70					:									
:57	DICK	1	S	5	105					:									
:56	DICK	1	S	-100	60					:									
:55	DICK	2	S	-15	50					:									
:55	DICK	1	S	20	50					:									
:53	COM	1	H	20	90					:									
:47	COM	1	H	30	10					:									

START VEGETATION SURVEY										END VEGETATION SURVEY									
Minimum height of visual obstruction (cm):										Minimum height of visual obstruction (cm):									
Ground cover (% from above):										Ground cover (% from above):									
Bare ground					Litter					Bare ground					Litter				
Forbs					Standing Dead					Forbs					Standing Dead				
Grasses										Grasses									
:01	11	1	H	25	80					:									
:01	1	1	H	-35	60					:									
:01	DICK	1	H	-45	55					:									
:57	RAM	1	H	-105	70					:									
:57	DICK	1	S	5	105					:									
:56	DICK	1	S	-100	60					:									
:55	DICK	2	S	-15	50					:									
:55	DICK	1	S	20	50					:									
:53	COM	1	H	20	90					:									
:47	COM	1	H	30	10					:									

[illegible]

[illegible]

Grassland Bird Survey Datasheet

Date: 06 / 07 / 2013
Observer:

Loc: /ALL CLASS PP Rte/Trnsc:

End:


LAT

GPS unit: B006002

Page 3

Found please contact: Jeremy Ross (419) 575-2414 or Eli Bridge (405) 240-2149

3



Start:	LAT	LON	Time	:	Cloud	Wind
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End:	LAT	LON	Time	:	Cloud	Wind
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TIME	SPECIES	QTY	Hrd/ Seen	Angle (deg)	DIST (m)	NOTES
08:47	BAMS	1	H	-56	170	OAK SARRANAH
:49	FISP	1	H	35	120	
:51	BEVI	1	H	-5	150	
:51	UNK1	1	H	10	130	
:53	BHCO	2	S	0	80	PVING (P)
:53	UNCI	1	H	70	80	09:35
:57	TRABE	1	H	-40	130	
:58	DICK	1	H	70	80	
:58	CAME	1	H	-70	70	
:59	TRABE	1	H	-5	150	
09:00	INBU	1	H	-35	220	
:02	DICK	2	S	25		(P)
:02	BEVI	1	H	-80	110	
:05	PABU	1	H	75	110	
:06	FISP	1	S	60	35	
:06	FISP	1	H	55	130	
:07:00	DICK	1	H	-30	65	
:08	NBGO	1	H	90	210	MACE OREGA
:11	BHCO	1	S	-80	95	
:13	DICK	1	H	50	90	
12:00	BEVI	1	H	45	110	
12:00	BEVI	1	H	45	110	
:21	NBGO	1	#	-40	160	
:24	DICK	2	S	-45	25	TOTAL ORGA
:25	YBCU	1	H	90	160	
:25	NBGO	1	H	90	150	
:25	BOYE	1	H	35	230	

START VEGETATION SURVEY									
Minimum height of visual obstruction (cm):									
Grasses									
Forbs									
Standing Dead									
Litter									
Bare ground									
Ground cover (% from above):									
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Litter									
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Grasses									
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Standing Dead									
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Grasses									
Forbs									
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Litter									
Bare ground									
Ground cover (% from above):									
Grasses									
Forbs									
Standing Dead									
Litter									
Bare ground									
Ground cover									

START VEGETATION SURVEY										END VEGETATION SURVEY									
Minimum height of visual obstruction (cm):	Grasses	Forbs	Standing Dead	Litter	Bare ground	Ground cover (% from above):	Grasses	Forbs	Standing Dead	Minimum height of visual obstruction (cm):	Grasses	Forbs	Standing Dead	Litter	Bare ground	Ground cover (% from above):	Grasses	Forbs	Standing Dead
30: DICK 2	H	20	70	(P)			08: STEL	1	S	-100	170								
28: DICK 1	H	25	160				08: DICK	2	S	-100	170								
28: DICK 1	H	-35	110				07: DICK	1	H	55	50								
25: NODD 1	H	-40	210				07: DICK	1	S	45	60								
23: DICK 3	S	115	70				03: DICK	(2)	S	0	20								
22: DICK 1	H	-110	80				03: DICK	(X2)	H	30	70								
07:22 DICK 1	H	-35	90				01: DICK	1	S	-15	100								
:							00: DICK	1	H	0	60								
:							08: DICK	1	H	-30	70								
:							59: BETH	1	H	-30	70								
55: NODD 1	H	-20	350				59: DICK	1	H	90	90								
55: DICK 1	H	-20	180				57: DICK	1	S	-45	280								
52: NODD 1	H	-80	160				56: DICK	X2	S	-45	120								
51: DICK 1	H	25	100				56: BETH	1	S	10	30								
49: DICK 1	H	-25	180				54: DICK	1	H	-30	90								
48: DICK 1	H	40	130				54: DICK	1	H	-140	70								
46: DICK 1	H	25	110				50: NODD	1	H	-20	210								
45: NODD 1	H	-40	270				50: DICK	1	S	30	20								
44: DICK 1	S	-20	15				47: DICK	1	H	10	60								
39: DICK 1	H						46: DICK	1	H	35	70								
36: DICK 1	S	105	125				45: NODD	1	H	60	60								
36: DICK 1	S	100	150				44: DICK	1	S	-15	70								
36: DICK 1	S	100	150				43: NODD	1	H	80	250								
35: DICK 1	S	110	90				41: DICK	1	H	20	50								
35: NODD 1	H	-70	250				41: DICK	1	H	5	60								
35: DICK 1	H	160	60				38: DICK	(X2)	H	5	70								
33: DICK 1	H	40	60				37: DICK	1	H	-15	60								
							31: DICK	1	H	20	10								



Page

GPS unit: B2100 06

End: LAT C LON

Time 07:25 Cloud 45 Wind 10-15 E

NOTES

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1. *Chlorophyll a* (Chl a) and *Chlorophyll b* (Chl b) are the two main photosynthetic pigments in green plants. They are responsible for capturing light energy and converting it into chemical energy through the process of photosynthesis. Chl a is the primary pigment, while Chl b acts as an accessory pigment, transferring energy to Chl a.

2

7



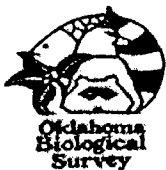
Grassland Bird Survey Datasheet

Date: 07/06/2013 Observer: *ESB* Rte/Trnsct: A-B GPS unit: *Baird306*
Start: LAT 34.79757 LON 97.48830 Time 07:38 Cloud 60 HAT Wind 05 NNW
End: LAT 34.80806 LON 97.48886 Time 08:43 Cloud 10 Wind 5-10 NNW

If found please contact: Jeremy Ross (419) 575-2414 or Eli Bridge (405) 240-2149

Entered

TIME	SPECIES	QTY	Hrd/ Seen	Angle (deg)	DIST (m)	NOTES	TIME	SPECIES	QTY	Hrd/ Seen	Angle (deg)	DIST (m)	NOTES
07:38	DICK	1	H		120	150	1:18	RUBL	3	S	0	3	MALE AND 2 FEMALES NEXT DISTANCE 2 (P)
38	NABA	1	H		-140	250	21						MALE SAME AS PREVIOUS POSSIBLY
39	DICK	1	H		-160	160	21	DICK	1	S	80	25	
39	CRANE	1	H		-120	120	22	RUBL	5	S	70	30	FLYING TO E HIGH OVER CRANE (FEMININE)
40	CRANE	1	H		60	200	24	RUBL	3	S	25	70	FEMALES ROUNDED
41	STFL	30	H		-95	320	25	DICK	1	S	25	65	
41	ROMA	1	S		-110	300	26	RUBL	1	S	-5	35	
44	DICK	1	H		-90	350+	26	DICK	2	H	-30	40	(P)
44	BAWS	2	S		-90	160	29	DICK	1	H	55	45	
47	DICK	1	S		85	220	31	DICK	1	H	70	30	
49	CRANE	1	S		85	220	31	DICK	1	H	45	80	
49	MODE	2	S		85	220	34	DICK	2	H	0	65	SPR WATEL W/FOOD LATER 0827 (P)
48	DICK	1	S		90	100	34	DICK	1	S	5	35	FEW UP
48	GRSP	1	S		95	90	34						OUT OF SIGHT 0828
51	GRSP	1	H		-95	70	35	DICK	1	S	-90	45	
52	DICK	2	S		-35	80	36	DICK	1	H	50	150	
52	CRANE	1	S		-30	160	38	DICK	1	H	-25	160	
56	BAWS	100+	S		0	300+	38	NABA	1	H	5	170	
56	CRANE	1	H		40	250	39	DICK	1	H	5	130	
58	DICK	1	H		-60	190	40	MODE	1	S	120	60	FEW UP
08:01	DICK	1	H		85	120							
01	CRANE	1	H		90	130							
01	CRANE	1	H		70	150							
04	DICK	1	S		35	70							
05	GRSP	2	S		30	70	2 SPARKS CALLING TO EACH OTHER (P)						
07							CRANE 110 SWITZERLAND						
08	DICK	1	H		-5	80							
16	DICK	1	H		95	70							
11	DICK	2	S		30	20	(P)						
13	DICK	1	S		25	50							
13	RUBL	1	H		75	60							
13	DICK	1	H		75	40							
16	DICK	(2)	S		-75	30	(P)						



Grassland Bird Survey Datasheet

Date: 07/05/2009 Observer: ESB Page 1

Loc: CHANDLER

Rte/Trnsct: B

GPS unit: BRIDG 06

If found please contact: Jeremy Ross (419)

575-2414 or Eli Bridge (405) 240-2149

Start: LAT 35.74410 LON 96.85660
Time 07:40 Cloud 95 Wind 10-15 ENE

End: LAT 35.73589 LON 96.85577
Time 08:16 Cloud 95 Wind 15-20 ENE

TIME	SPECIES	QTY	Hrd/Seen	Angle (deg)	DIST (m)	NOTES	TIME	SPECIES	QTY	Hrd/Seen	Angle (deg)	DIST (m)	NOTES
07:40	DICK	1	H	-110	80		08:14	NORCA	1	H	5	130	
:40	CAWR	1	H	95	100		08:16						END
:40	PABV	1	H	85	60		:						STARTING
:41	NORCA	1	H	100	250		:						TO RAIN
:42	CAWR	1	H	-45	70		:						
:42	NORCA	1	H	75	180		:						
:43	CAWR	1	H	30	200		:						
:44	DICK	1	H	60	150		:						
:45	CAWR	1	H	20	210		:						
:46	CAWR	1	S	40	230	ON WIRE	:						
:46	DICK	1	S	40	230	ON WIRE	:						
:46	BACO	1	S	40	200	FLYING	:						
:49	CAWR	1	S	60	170	ON WIRE	:						
:52	CAWR	1	H	55	180		:						
:52	PIWA	1	S	40	160	FLYOVER PREPARED	:						
:52	BARS	1	S	-10	120	FLYING	:						
:55	DICK	1	H	5	190		:						
:57	FISP	1	H	0	210		:						
:57	FISP	1	H	-35	200		:						
:59	DICK	1	H	-20	130		:						
08:00	CAWR	1	H	55	60		:						
08:01	NORCA	2	S	60	60	⊗	:						
:02	BACV	1	H	5	110		:						
:03	NORCA	1	H	-40	200		:						
:03	CAWR	1	H	-130	180		:						
:04	FISP	1	H	15	190		:						
:04	DICK	1	H	-20	80		:						
:05	DICK	1	H	0	120		:						
:09	FISP	1	H	-70	60		:						
:10	FISP	1	H	35	170		:						
:10	DICK	1	H	20	70		:						
:12	DICK	1	S	40	5	FLUSHED	:						
:	NORCA	1	H	90	160		:						

START VEGETATION SURVEY

Minimum height of visual obstruction (cm): _____

Ground cover (% from above):

Grasses _____

Bare ground _____

Forbs _____

Litter _____

Standing Dead _____

END VEGETATION SURVEY

Minimum height of visual obstruction (cm): _____

Ground cover (% from above):

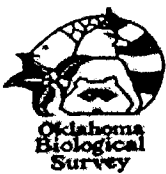
Grasses _____

Bare ground _____

Forbs _____

Litter _____

Standing Dead _____



Grassland Bird Survey Datasheet

Date: / /

Observer: Page

Loc:

Rte/Trnsct:

GPS unit:

If found please contact: Jeremy Ross (419)

575-2414 or Eli Bridge (405) 240-2149

Start: LAT LON
Time : Cloud WindEnd: LAT LON
Time : Cloud Wind

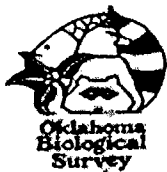
TIME	SPECIES	QTY	Hrd/ Seen	Angle (deg)	DIST (m)	NOTES	TIME	SPECIES	QTY	Hrd/ Seen	Angle (deg)	DIST (m)	NOTES
08:08	BARO	1	S	-100	170		:						
08:13	CAWE	1	H	25	230		:						
:13	KILD	1	H	80	120	KILLdeer	:						
:14	DICK	1	H	40	110		:						
:15	DICK	1	H	-35	90		:						
:24	EAPA	1	S	50	130		:						
:24	GRSP	1	S	50	65		:						
:24	DICK	1	S	30	90		:						
:24	CAWE	1	S	25	170		:						
:26	DICK	1	H	20	150		:						
:27	DICK	1	V	-30	160		:						
:27	CAWE	1	H	-5	230		:						
:27	NOCA	1	H	-45	220		:						
:29	GRSP	1	S	5	10	FLOSHED	:						
:32	DICK	1	H	45	65		:						
:34	BARO	1	S	-10	80	FLYING	:						
:34	NOMO	1	FL	-90	130		:						
:35	NOBO	1	H	0	230		:						
:35	NOBO	1	H	-170	150		:						
:38	NOCA	1	H	-30	230		:						
08:40						CROSSED INTO	:						
:						LESS	:						
:						VEGETATED PLOT.	:						
:						NO BIRDS IN THIS	:						
:						PLOT TODAY IN	:						
:						SHOOTING AREA	:						
:						RECENTLY GRAZED?	:						
08:42	PABV	1	H	0	200		:						
:44	BARO	1	S	-30	30	FLYING	:						
:46	STEL	1	H	30	160		:						
:							:						
:						SAW 1 UNKNOWN	:						
:						BIRD @ ~ 0815	:						
:						TRIED TO TRACK	:						
:						DOWN. BROWN	:						
:						SPARROW WITH	:						
:						COMPACT BACK	:						

START VEGETATION SURVEY LARK SPARROW?

Minimum height of visual obstruction (cm):
Ground cover (% from above):
Grasses
Bare ground
Litter
Forbs
Standing Dead

END VEGETATION SURVEY

Minimum height of visual obstruction (cm):
Ground cover (% from above):
Grasses
Bare ground
Litter
Forbs
Standing Dead



Grassland Bird Survey

ENTERED

entered

Date: 07 / 04 / 2013

Observer: ESB

Page 1

Loc: OSWALT RAJRD

Rte/Tnscct: OSWALT A-B

GPS unit: BRIDGE 06

If found please contact: Jeremy Ross (419)

575-2414 or Eli Bridge (405) 240-2149

Start:

LAT 33.98766

LON 97.22179

Time 06:31 Cloud 15 Wind 0-5 N

End:

LAT 33.98761

LON 97.24757

Time 08:47 Cloud 5 Wind 0-5 N

TIME	SPECIES	QTY	Hrd/ Seen	Angle (deg)	DIST (m)	NOTES	TIME	SPECIES	QTY	Hrd/ Seen	Angle (deg)	DIST (m)	NOTES
06:31	DICK	1	H	-145	35		:32	NAME	1	H	-30	100	
:32	NAME	1	H	-60	130		:32	DICK	1	H	-25	80	
:32	"	"	"	-15	160		:34	NAME	1	H	-5	70	
:32	"	"	"	20	180		:34	DICK	1	H	0	80	
							:37	NAME	2	H	-20	100	(P)
:33	GRSP	1	H	40	60		:37	DICK	1	H	-15	60	
:35	NAME	1	H	160	60		:38	DICK	2	H	-5	70	(P)
:35	NOBO	1	"	-70	230		:41	NAME	1	H	-5	60	
:35	NAME	1	S	110	90		:41	DICK	1	H	20	50	
:36	NAME	1	S	100	150		:43	NOBO	1	H	80	230	←
:36	DICK	1	S	100	150		:44	CACH	1	S	-15	70	
:36	NAME	1	S	105	125		:45	NOBO	1	H	60	60	NOT SAME
:37	GRSP	1	H				:46	DICK	1	H	35	70	
:40	GRSP	1	S	-20	15		:47	DICK	1	H	10	60	
:45	NAME	1	H	-40	270		:47	DICK	1	H	30	80	←
:46	DICK	1	H	120	160		:50	DICK	1	S	30	20	SAME? PROBABLY
:48	DICK	1	H	85	110		:52	NAME	1	H	-20	210	
:48	DICK	1	H	40	130		:54	DICK	1	H	-140	70	
:49	NAME	1	H	-25	180		:54	DICK	1	H	-30	90	
:51	DICK	1	H	35	100		:56	BHCO	1	S	10	30	FEWER



Grassland Bird Survey Datasheet

Entered