

data entry
ARS #03 - ESA - Data
2005
2005_esa_density DAL
xk

ESA (Ecosystem Stress Area) - ARS #03
PI - Dan Milchunas

- 1 - D = C, Control
- 2 - E = W, irrigation (water)
- 3 - F = N, fertilization (Nitrogen)
- 4 - G = W + N irrigation + fertilization

Objective: to conduct long-term monitoring of the vegetative characteristics of an area that was nutrient stressed during the International Biome Project. Sampling is conducted once every other year.

ESA Map and Experimental Design

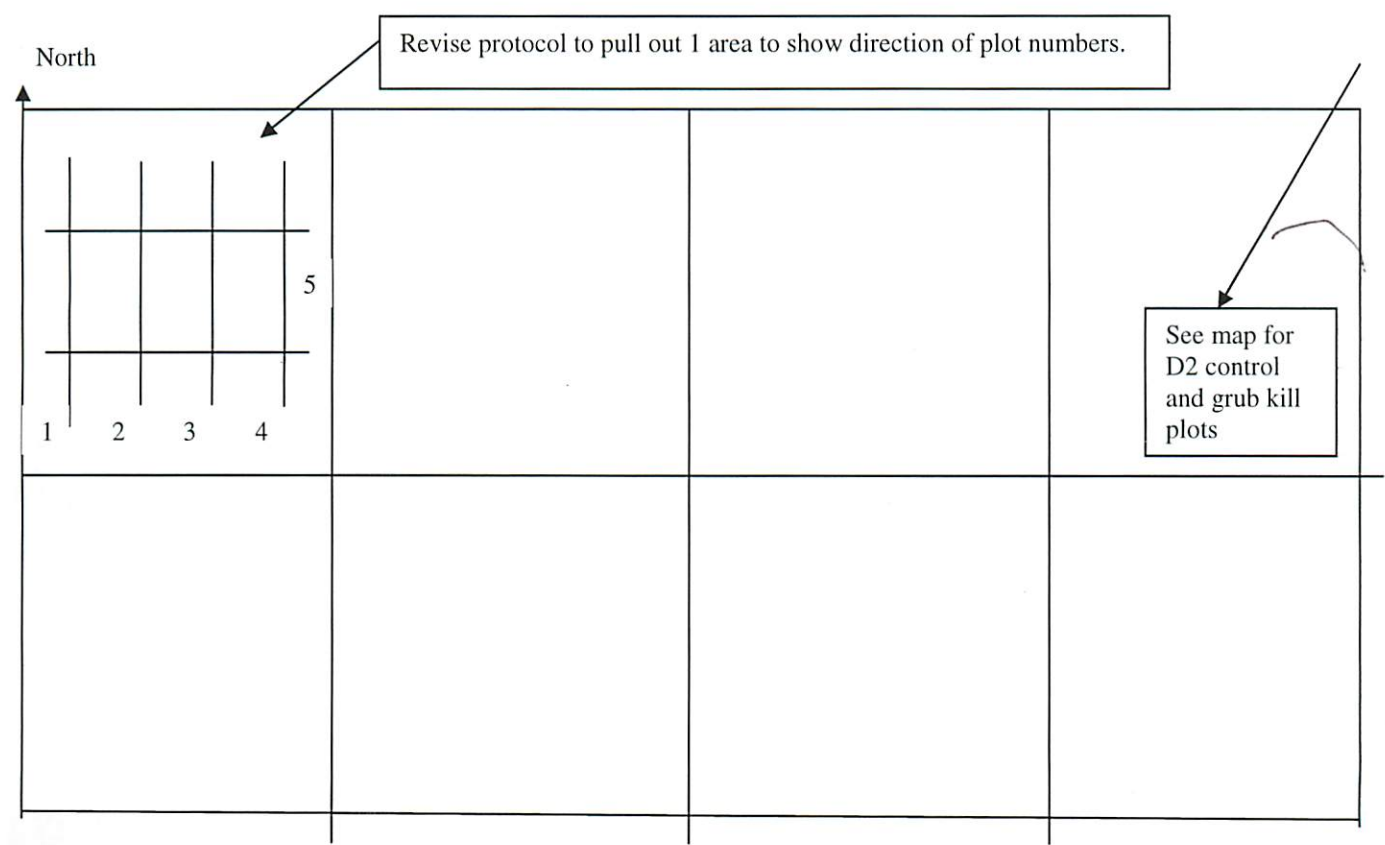
Blocks - There are 2 blocks, one to the east and one to the west. Data need to be collected in a total of 9 areas. 2 reps repeat the same treatment (D1 control, D2 control, E1 irrigation, E2 irrigation, F1 fertilization, F2 fertilization, G1 irrigation and fertilization, G2 irrigation and fertilization). In addition, there is a part of D2 that contains the grub kill. The area that contains the grub kill should be recorded as D2-G on all data sheets. The grub kill plots are marked with tent stakes rather than rebar and need to be identified with unique flagging.

Transects 1-5 - see transect lines below. The transects in the grub kill area of D2 is recorded as "G". Plot numbers range from 1-50 in the grub kill area of D2 only. Control transects in the D2 grub kill area so no follow the standard design below. Please follow the attached map for the D2 and grub kill plots.

Plots 1-10 - see plots below. Permanent plots were established by installing transects of rebar. Each rebar has a blaze orange plastic cap. The transect and plots number need to be re-written on each cap with sharpie prior to sampling.

Important: these are permanent plots, so it is very important that plot numbers and transects are always recorded correctly.

*Please note that the Humus Experimental plots are also located within seven of the eight ESA blocks. Be careful not to tread across the Humus Plots. See Mark, Nicole, or Indy (PI) to find out how the humus plots are set up.



Sampling Protocol

Density Sampling

A 0.25 m² circular quadrat with four quarter plots is placed with the cross bars in the northeast corner. Collect data starting in the northeast quarter plot (1) and work your way around clockwise to #4. Count all of the individuals of each species rooted within each quarter plot and record the data under the appropriate quarter plot number. Use the species column to record the correct species code. If a species is not found in a quarter plot, then enter a "0" in that cell on the data sheet. We do not count the number of individuals of Bogr or Buda.

Point Frame Sampling for Basal Cover

Use the ten point frame to estimate cover at each plot location. The point frame should be placed at a random angle around the rebar. This will provide a total of 10 points of contact for each plot. The categories to record are plant species code, litter (code = litt), bare ground (code = bare), and lichen (code = pach). Be very critical about what the contact really is. If the tip intercepts dead crown, record it as litter. If the tip intercepts live crown of a plant, record the species code. The accuracy of the method is determined by how carefully contacts are identified. Record only what the exact tip of the point touches at the soil surface. Ignore hits on leaves as point move through the frame to touch what occurs at the basal level.

Recorder A. Anderson, J. Stevens

Data Entered By _____

Page 1 of 12Date of Collection 9.9.05

Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	D	2		G 34	STCO	2	2	0	1	
								MILI	1	0	0	0	
								SAIB	1	5	1	2	
								SPCO	4	3	2	0	
								CULE	2	0	2	1	
								LEDE	0	2	0	0	
								BOGR	0	1	0	0	
								KOSC	0	0	0	10	
								ARLO	0	0	0	1	
				D	2		G 35	BOGR	2	0	1	0	
								KOK	6	4	4	7	
								ARFR	1	0	0	0	
								CAHE	0	4	3	0	
								LEDE	0	0	1	0	
				D	2		G 36	CAHE	4	6	2	0	
								KOSC	3	7	1	0	
								BOGR	1	0	1	1	
								STCO	2	0	0	2	
								CYAC	1	0	0	1	
								MATA	0	0	1	0	

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Date of Collection 9.8.07

Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
EVA		8	05	D	2		G 37	STCO	2	0	1	1	
								CAHL	3	2	2	3	
								KOOL	3	4	2	5	
								ARFR	0	1	0	0	
				D	2		G 38	KOOL	3	6	2	2	
								CYAC	1	0	0	0	
								CAHE	0	0	3	2	
								BLGR	0	0	0	2	
				D	2		G 39	OPPJ	2	0	0	0	
								KOOL	3	4	2	2	
								BOGR	1	1	0	1	
								CAHE	0	0	1	3	
								STCO	0	0	2	2	
				D	2		G 40	KOOL	3	2	1	4	
								MATA	1	0	0	0	
								CAHE	0	1	3	2	
								BOGR	0	0	1	0	

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Date of Collection 8/9/05

Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8.05		D	2	G	41	BOGR	2	0	2	2	
								KOYL	3	6	0	4	
								MILI	0	1	0	0	
								STCO	0	0	1	1	
						G	42	KOYL	3	2	1	5	
								BOGR	0	1	2	0	
								CAHE	0	0	4	4	
								STCO	0	0	0	2	
						G	43	BOGR	3	0	2	1	
								KOYL	2	7	3	5	
								OPPO	0	0	3	1	
								STCO	0	0	1	1	
						G	44	OPPO	2	2	1	0	
								BOGR	1	0	0	1	
								CAHE	0	2	4	7	
						G	45	STCO	2	1	1	0	
								ARLO	1	1	0	0	
								BOGR	0	1	0	0	
								ARIF	0	0	3	1	

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Date of Collection 9/2/01

Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
EA		9	03	D	1		G 10	BOOK	1	2	0	1	
								OPPO	2	0	0	0	
								ARFR	0	1	0	0	
								STCO	0	0	1	0	
								KOSC	0	0	0	0	
				D	2		G 16	LEBE	1	0	0	0	
								KOSC	4	5	7	2	
								BOOK	0	0	1	0	
								CHLE	0	0	2	0	
				D	2		G 5	KOSC	8	6	9	21	
								STCO	1	2	0	0	
								BOOK	0	1	0	0	
								CHLE	0	0	1	0	
				D	2		G 4	KOSC	19	12	6	15	
								OPPO	0	1	0	0	
				D	2		G 3	BOOK	1	0	1	2	
								KOSC	10	9	15	2	
								STCO	0	0	1	2	

PIA	0	0	1	1
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Data Entered By _____

Date of Collection 9-7-08

Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	D	2		G 2	OPIC	1	2	0	0	
								BOUR	1	1	1	0	
								KOCC	7	2	11	17	
								CAHE	2	0	3	4	
								SITH	0	0	1	0	
				D	2		G 1	KOCC	6	21	16	19	
								CRME	0	0	1	3	
								LARI	2	0	1	1	
								STCO	0	0	1	1	
				D	2		G 7	ECVI	1	0	0	0	
								MATA	1	0	1	0	
								BOUR	1	2	0	1	
								KOCC	2	3	12	15	
								CAHE	0	0	3	7	
				D	2		G 8	CAHE	2	6	0	3	
								STCO	2	0	1	0	
								SAIB	0	1	0	0	
								RUB	0	1	0	1	

100 5 1 7 12

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Date of Collection 8/2/09

Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	08	D	1		G 27	CAHE	2	0	0	3	
								THTR	1	0	0	0	
								STCO	1	0	1	0	
								CYAC	1	1	0	0	
								KOK	0	16	16	20	
				D	2		G 28	ALC	2	1	0	1	
								CAHE	7	0	0	2	
								BOGR	1	2	0	1	
								KOK	0	9	13	16	
				D	2		G 29	SAIB	2	1	0	0	
								OPPO	1	2	0	1	
								BOGR	0	1	0	2	
								CAHE	0	0	3	7	
								KOK	0	0	7	9	
				D	2		G 30	KOK	19	22	14	16	
								CAHE	3	3	6	5	
								BOGR	0	1	0	0	
								STCO	0	0	0	1	

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Date of Collection 8/12/12

Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
EA		8	05	D	2		G 31	CYAC	1	0	1	0	
								STCO	2	2	0	1	
								BOGR	0	0	3	2	
								KOSC	0	0	9	8	
								MILI	0	0	0	1	
				D	2		G 32	BOGR	1	2	1	3	
								STCO	2	0	0	1	
								OPPO	0	0	3	2	
								CAHE	0	0	12	6	
								SAIB	0	0	0	1	
				D	2		G 33	STCO	2	0	0	0	
								ARFR	1	0	0	1	
								SIHY	0	1	1	1	
								BOGR	0	0	2	2	
				D	2		G 9	CYAC	1	0	0	1	
								SAIE	2	1	0	0	
								BOGR	1	2	2	0	
								STCO	0	0	1	2	
								LARE	0	0	2	2	

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Date of Collection 6-11-01

Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
PA		8	01	D 1		G	10	STCO	1	✓	✓	✓	
								HAT	2	1	0	0	
								KOL	8	2	3	12	
								BJGR	0	0	1	1	
								STCO	0	0	1	2	
				D 2		G	11	STCO	1	1	2	1	
								BJGR	2	✓	✓	1	
								CAHE	4	2	7	0	
								OPPU	0	0	5	0	
								KOL	0	0	6	23	
				D 2		G	14	KOL	13	25	9	19	
								EREF	1	0	0	0	
								CAHE	0	3	3	4	
								AREK	0	1	0	0	
								POLE	0	0	0	2	
				D 2		G	15	CYAL	1	0	✓	0	
								STCO	1	1	2	3	
								KOL	17	8	22	25	
								CHLE	0	0	0	2	

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Date of Collection 8/8/08

Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
EIA		8	08	D	2		G 17	KOSC	24	18	17	26	
								CAHE	6	0	2	7	
								OPPJ	0	0	3	1	
								ARFR	0	0	1	0	
								CHAL	0	0	2	1	
				D	2		G 18	CAHE	9	12	2	0	
								BOGR	1	0	2	1	
								KOSC	6	4	2	3	
								OPPJ	0	0	2	1	
								MATA	0	0	1	1	
								CRME	0	0	0	3	
				D	2		G 19	BOGR	2	1	1	1	
								CAHE	3	2	4	4	
								STCO	1	0	0	1	
								KOSC	3	9	7	15	
								THTR	0	0	1	1	
								CHLE	0	0	1	1	
								CRME	0	0	0	2	

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
EA		8	05	D	2		G 20	STCO	2	3	1	0	
								BOGR	1	0	1	2	
								CAHE	0	0	9	12	
								KOSC	0	0	10	14	
				D	2		G 21	SAIB	1	0	0	1	
								OPPD	2	4	1	0	
								BOGR	1	1	2	2	
								KOSC	3	7	6	13	
								STCO	0	0	1	2	
				D	2		G 22	STCO	3	0	1	2	
								KOSC	11	16	21	20	
								MATA	1	0	0	0	
								BOGR	0	0	1	1	
				D	2		G 23	ARLU	1	0	0	1	
								KOSC	6	6	7	6	
								BOGR	2	2	1	1	
								CAHE	0	4	4	9	
								CHLI	0	1	2	0	
								STCO	0	0	0	1	

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
EA		8	08	D	2		G 24	BUGR	2	1	1	1	
								KORC	9	2	0	4	
								OPPJ	0	3	2	0	
								STCO	0	0	2	2	
								CYAC	0	0	0	1	
				D	2		G 25	SAIE	1	0	0	1	
								BUGR	2	1	0	2	
								STCO	0	0	3	1	
								KORC	0	0	21	19	
								CAHE	0	0	6	5	
				D	2		G 12	KORC	27	20	17	18	
								CAHE	6	0	2	4	
								CYAC	0	1	0	1	
								CHLE	0	0	1	2	
				D	2		G 13	STCO	2	1	1	1	
								KORC	13	2	2	15	
								CAHE	5	0	3	0	
								CYAC	0	1	0	0	
								BUGR	0	0	1	0	
								LARK	0	0	2	1	
								FMH	0	0	1	1	

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	D	2	4	1	ERGF	1	0	0	0	
								STCO	2	3	1	1	
								OPPO	6	7	0	2	
								CRME	1	0	0	0	
								BAGR	0	0	3	0	
						4		AZFR	0	0	0	1	
								SAB	0	0	0	1	
						4	2	OPPO	4	0	0	4	
								STCO	1	0	0	2	
								SPCO	2	0	6	0	
								KOSC	0	3	4	3	
								SAIB	0	1	1	1	
						4	3	KOSC	1		4	1	
								SPCO	2	1	1	1	
								STCO	2	2	2	2	
								BAGR	1	0	0	0	
								SAIB	0	1	1	2	
								OPPO	0	0	2	0	

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Density

[illegible]

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	D	2	4	7	OPPO	3	0	0	4	
								BOGR	2	0	0	0	
								STCO	1	3	2	3	
								BREF	0	1	0	0	
								CH2E	0	1	0	0	
								SAIB	0	0	2	3	
								YDSC	0	0	1	1	
								ECVI	0	0	0	1	
						4	8	STCO	2	1	1	2	
								MATA	0	1	1	0	
								SAIB	0	1	0	0	
								SPCO	0	1	0	0	
								OPPO	0	0	3	3	
								ARFR	0	0	0	1	
						4	9	STCO	2	0	1	1	
								SPCO	1	2	2	2	
								OPPO	5	4	20	10	
								CAHE	4	3	7	0	
								BOGR		2	1	1	

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	D	2	4	10	CHLE	1	0		2	
								BOFR	3	4	4	5	
								SPCO	1	4	3	4	
								SAIB	0	0	1	0	
								LEDE	0	0	1	0	
						3	10	SPCO	2	1	2	1	
								PLPA	2	0	2	0	
								ARFR	1	1	0	0	
								BOFR	2	3	4	2	
								OPPO	0	3	2	0	
								KOSC	0	0	1	0	
								STCO	0	0	0	1	
								CHLE	0	0	0	1	
						3	9	STCO	2	3	2	0	
								SPCO	0	1	1	2	
						3	8	STCO	2	2	0	2	
								SPCO	2	0	0	3	
								CHLE	0	12	10	0	

SAIB	1	0	3	2
BOFR	0	2	2	1
KOSC	0	0	2	13
CHLE	0	0	0	3

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	D	2	3	7	STCO	2	2	2	2	
								SAIB	1	0	2	0	
								KOSC	0	1	1	0	
								ECVI	0	1	0	0	
								BOGR	0	1	0	0	
						3	6	KOSC	30	20	27	40	
								OPPD	2	3	7	9	
						3	5	KOSC	29	44	41	25	
								SAIB	0	0	1	0	
						3	4	STCO	2	3	2	3	
								SPCO	1	0	0	2	
								SAIB	1	0	0	0	
								KOSC	0	5	0	0	
								CHLE	0	1	0	0	
								CAHE	0	0	5	0	
						3	3	STIO	1	3	1	1	
								KOSC	4	3	6	4	
								SAIB	2	4	0	1	
								CHLE	0	1	3	0	

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	D	2	3	2	CRME	3	2	2	2	
								KOSC	13	9	0	0	
								BOFR	2	2	2	1	
								CAHE	7	0	7	5	
								SAIB	0	1	0	2	
								CHLE	0	1	1	0	
								STCO	0	0	0	1	
						3	1	OPPO	11	2	2	2	
								SIHY	2	2	1	0	
								SPLO	1	0	0	1	
								BOFR	1	1	2	0	
						2	1	STCO	2	2	3	2	
								BOFR	1	0	0	1	
								CAHE	6	10	0	3	
								CHLE	2	0	1		
								KOSC	0	1	4	4	
								SPCO	0	4	2	3	
								SAIB	0	1	0	6	

 OPPO 0 0 5 1

 ECVI 0 0 0 0

 Mata 0 0 0 2

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Density

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Density

[illegible]

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Density

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	D	2	2	9	KOSC	18	12	15	37	
								SAIB	2	2	2	0	
								CHLE	0	7	8	0	
						Z	10	DPPD	4	13	5	8	
								BOFR	2	1	1	0	
								SPCO	1	2	0	0	
								SAIB	1	0	1	6	
								MILI	0	1	0	0	
								AZER	0	0	1	0	
								STCO	0	0	1	0	
								CHLE	0	0	0	2	
						1	10	SAIB	3	0	2	1	
								SPCO	3	4	4	6	
								KOSC	4	4	0	0	
								STCO	1	1	0	0	
								CAHE	9	7	22	0	
								LEDE	0	1	0	0	
								BOFR	0	0	0	2	

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Density

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	D	2	1	7	STCO	1	0	1	2	
								ARFR	1	0	0	0	
								BOGR	0	1	2	0	
								ARLD	1	0	0	0	
								OPPO	2	0	4	3	
								SPCO	0	0	0	3	
								MILI	0	0	0	1	
						1	6	SPCO	3	3	1	3	
								STCO	1	1	1	2	
								CAHE	12	0	0	17	
								ARFR	0	0	1	0	
						1	5	STCO	2	1	1	0	
								ARFR	0	1	0	0	
								ECU	0	1	0	0	
								SPCO	0		1	0	
						1	4	STCO	1	2	2	2	
								BOGR	1		0	1	
								CAHE	6	6	0	6	
								SAIB	1	0	0	0	
								SPCO	0	2	0	0	
								LEDE	0	1	0	0	

Recorder J. Stevens, A. Anderson

Data Entered By _____

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
6SA		8	05	D	2	1	3	CRME	2	0	4	0	
								BOLE	1	1	0	0	
								STCO	1	0	1	1	
								OTPO	1	5	0	0	
								CAHE	4	7	9	0	
								CHLE	0	1	0	0	
								MIATA	0	0	0	2	
						1	2	STCO	1	2	1	3	
								OTPO	5	0	2	0	
								SPCO	1	0	0	0	
								SAIB	1	0	0	1	
								CHLE	1	1	1	0	
								CAHE	0	13	10	4	
						1	1	STCO	0	1	1	1	
								SAIB	2	3	3	2	
								KOSC	0	0	0	7	
								OTPO	9	7	0	6	
								CAHE	4	0	7	0	

THIR	0	1	0	0
CHLE	0	1	0	0
STCO	0	3	0	0

CYAC
KOSC

ECVI - barn
Covi

ARS Study #3 (ESA)

PI - Dan Milchunas

Recorder W. McBride, C. Carter
Data Entered By _____

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CYAR
-thistle
LYJU

Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
				D	2	5	1	MATA	1	0	0	1	
					2	5	2	OPPO	4	6	2	6	
								PSTE	0	1	0	0	
								STCO	0	1	0	0	
								ARFR	0	1	0	0	
								SPCO	0	0	3	6	
								BOGR	1	1	2	0	
								SIHY	0	0	1	0	
				D	2	5	2	MATA	1	1	0	0	
								LEDE	1	2	0	1	
								SPCO	3	9	5	2	
								CAHE	12	9	30	20	
								BOGR	3	3	0	1	
								SAIB	4	3	6	1	
								CHLE	1	1	0	0	
				D	2	5	3	STCO	1	0	2	1	
								OPPO	7	8	8	9	
								SPCO	1	1	1	0	

Recorder W. McBride, C. Carter

Data Entered By _____

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Date of Collection _____

Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA				D	2	5	3	ARFR	0	1	0	0	
								CRME	0	0	0	0	
								BOGR	3	0	1	1	
								PLPA	0	1	1	0	
								ECVI	3	2	0	0	
								CRME	0	5	0	0	
								CAHE	0	0	5	9	
ESA				D	2	5	4	STCO	3	3	1	3	
								CHLE	0	1	0	0	
								OPPO	0	0	1	5	
ESA				D	2	5	5	OPPO	7	13	0	6	
								BOGR	3	3	2	0	
								STCO	0	0	1	1	
								SPCO	1	0	1	0	
								MILI	0	1	0	0	
								CAHE	0	0	0	12	
								KOSC	1	0	2	0	
								SAIB	1	1	0	0	
								CHLE	0	0	1	0	

(cont'd)

Recorder W. M. ^cBride, C. Carter

Data Entered By _____

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA				D	2	5	6	SPCO	0	4	3	0	
								OPPO	2	0	2	6	
								CAHE	45	20	20	20	
								SIHY	1	0	0	1	
								BOGR	3	5	7	2	
								PSTE	0	0	0	1	
								KOSC	0	0	1	0	
								ECV1	0	0	0	2	
ESA				D	2	5	7	ECV1	4	0	0	0	
								SPCO	7	4	2	2	
								STCO	3	4	3	4	
								OPPO	0	10	4	2	
								SAIB	1	0	0	0	
								SIHY	0	0	0	1	
ESA				D	2	5	8	LEDE	1	0	0	2	
								SPCO	10	10	10	8	
								BOGR	2	2	2	3	
								CAHE	0	0	0	10	

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Density

[illegible]

Recorder A. Anderson, J. Stevens

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	F	2	1	10	STCO	0	1	1	0	
								OPPO	3	6	4	5	
								KOSC	1	5	10	15	
								CAHE	0	10	0	0	
								SAIB	0	1	0	0	
								ARFR	0	0	0	1	
								BOGR	0	0	0	1	
				F	2	1	9	STCO	1	2	2	1	
								KOSC	5	1	2	1	
								CHLE	1	1	1	5	
								OPPO	10	10	5	5	
								BOGR	1	0	0	0	
								SAIB	0	1	1	1	
				F	2	1	8	SAIB	1	0	0	0	
								KOSC	0	0	0	1	
								OPPO	13	0	5	10	
								STCO	1	4	3	2	
								CAHE	0	20	25	5	
								ARFR	0	1	0	0	
								BOGR	1	3	1	0	

Recorder A. Anderson, J. Stevens

Data Entered By _____

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	F	2	1	7	SAIB	1	0	0	1	
								CAHE	0	0	0	5	
								STCO	2	4	2	2	
								KOSC	0	0	0	1	
								SPCO	0	0	1	0	
								BOGR	0	0	1	1	
				F	2	1	6	OPPO	7	3	9	0	
								KOSC	5	5	8	25	
								STCO	2	2	2	1	
								SAIB	0	1	0	0	
				F	2	1	5	OPPO	8	10	8	0	
								KOSC	20	20	15	17	
								STCO	1	0	1	1	
								SPCO	1	5	0	0	
				F	2	1	4	KOSC	2	5	5	3	
								OPPO	9	3	12	4	
								SAIB	0	2	1	4	
								STCO	0	1	2	0	
								CHLE	7	4	3	13	
								SPCR	1	0	0	0	
								LEDE	0	1	0	0	
								SPCO	0	0	0	1	

Recorder A. Anderson J. Stevens

Data Entered By _____

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	F	2	1	3	SAIB	1	0	1	1	
								KOSC	15	30	25	5	
								STCO	0	2	0	0	
								OPPO	0	0	3	11	
								CHLE	5	1	3	5	
								SPCR	1	0	0	0	
								BOGR	0	0	1	1	
				F	2	1	2	SIHY	1	0	0	0	
								CHLE	3	3	3	4	
								KOSC	0	10	0	17	
								OPPO	15	20	10	19	
								SAIB	1	5	4	0	
								LAHE	0	5	20	4	
								BOGR	1	0	0	0	
				F	2	1	1	LEDE	1	3	0	0	
								SAIB	0	4	5	6	
								KOSC	10	18	7	3	
								CHLE	11	7	0	6	
								BOGR	1	0	4	1	
								CRME	0	0	2	0	
								LAHE	10	0	15	20	

Recorder A. Anderson, J. StevensPage 4 of 18

Data Entered By _____

Date of Collection 8.9.05

Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	F	2	2	1	LEDE	1	Ø	Ø	Ø	
								STCO	2	2	Ø	3	
								OPPO	5	Ø	Ø	Ø	
								CHLE	Ø	3	3	5	
								SAIB	Ø	1	Ø	2	
								KOSC	Ø	1	Ø	3	
								BOGR	1	Ø	2	1	
								CAHE	3	4	Ø	Ø	
				F	2	2	2	OPPO	7	Ø	Ø	Ø	
								SAIB	3	6	4	10	
								CHLE	Ø	Ø	3	5	
								KOSC	5	5	20	Ø	
								BOGR	Ø	Ø	Ø	2	
								CAHE	10	13	5	30	
								SPCO	Ø	2	Ø	Ø	
				F	2	2	3	CHLE	7	3	5	8	
								KOSC	5	15	8	6	
								SAIB	10	Ø	Ø	15	
								BOGR	Ø	1	1	Ø	
								OPPO	Ø	Ø	2	Ø	
								CAHE	10	15	25	35	

Recorder A. Anderson, J. Stevens

Data Entered By _____

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	F	2	2	4	STCO	1	0	0	0	
								KOSC	5	15	15	20	
								BOGR	1	2	1	1	
								CHLE	0	3	0	0	
								SAIB	7	5	0	0	
				F	2	2	5	STCO	1	0	0	0	
								BOGR	0	2	0	0	
								SAIB	1	1	10	1	
								SPCO	1	0	0	0	
								BOGR	1	0	0	0	
								OPPU	7	10	6	12	
								CAHE	0	0	5	0	
								SIHY	0	0	1	0	
				F	2	2	6	KOSC	12	4	12	9	
								SPCO	1	0	1	0	
								SAIB	2	0	1	2	
								CHLE	1	1	2	1	
								OPPU	0	0	0	4	
								BOGR	1	1	0	0	
								STCO	1	2	0	0	

Recorder A. Anderson, J. Stevens

Data Entered By _____

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	F	2	2	7	CAHE	25	15	20	10	
								SAIB	1	0	2	0	
								SPCO	0	0	2	0	
								OPPO	0	6	0	6	
								BOGR	0	1	1	1	
								STCO	1	0	0	0	
								ECVI	0	1	0	0	
				F	2	2	8	STCO	2	0	0	0	
								ARFR	0	1	0	1	
								CAHE	2	0	5	0	
								CRME	0	2	0	0	
								SPCO	0	1	0	0	
								SAIB	0	2	0	0	
								KOSC	0	2	0	0	
								AGSM	0	0	1	0	
				F	2	2	9	ARFR	1	0	0	0	
								OPPO	12	12	7	15	
								SPCO	1	1	3	4	
								STCO	0	0	1	0	
								CAHE	5	10	0	30	
								BOGR	1	1	1	1	
								ECVI	0	0	1	0	

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Density

[illegible]

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
EA		08	05	F	2	5	8	EREF	1	0	0	0	
								SIHY	1	0	1	0	
								CHLE	0	0	0	2	
								KOSC	1	11	2	0	
								SPCO	3	1	3	0	
								OPPO	0	0	0	10	
								STCO	1	0	0	1	
								CAHE	0	0	3	0	
								SAIB	0	0	1	1	
								ARFR	0	0	0	1	
				F	2	5	9	EREF	1	0	0	0	
								KOSC	10	20	15	25	
								CAHE	12	0	0	0	
				F	2	5	10	KOSC	50	30	20	30	
								SPCO	0	0	1	0	
								CHLE	1	2	0	0	
								CAHE	0	0	0	1	

Recorder A. Anderson, J. Stevens

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	F	2	5	5	SIHY	1	0	1	0	
								OPPO	5	0	12	8	
								LEDE	1	0	1	0	
								LYJU	1	0	0	0	
								CHLE	8	4	6	0	
								ARFR	1	1	0	0	
								SPCO	0	2	2	1	
								KOSC	0	5	5	1	
				F	2	5	4	KOSC	6	15	9	8	
								SAIB	0	0	7	0	
								BOGR	1	3	2	3	
								CHLE	4	1	0	3	
								SPCO	0	0	2	0	
				F	2	5	3	CHLE	3	2	4	0	
								KOSC	10	12	20	17	
								BOGR	0	0	1	1	
								OPPO	0	0	0	4	
								SPCO	0	0	0	2	
								SAIB	2	2	0	0	
								CAHE	10	0	0	0	

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Density

[illegible]

Recorder C. Carter, W. McBride

Data Entered By _____

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA					2		1	KOSC	60	45	35	45	
ESA				F	2	4	2	KOSC	35	20	40	25	
								OPPO	0	5	4	13	
ESA				F	2	4	3	CHLE	11	3	1	0	
								KOSC	10	20	20	25	
								OPPO	0	0	3	16	
								LEDE	0	0	1	0	
ESA				F	2	4	4	OPPO	6	2	3	0	
								CHLE	0	1	0	3	
								KOSC	45	23	30	30	
								CHLE	2	0	8	0	
								SPLD	1	1	1	0	
								BOGR	10	0	0	0	
ESA				F	2	4	5	KOSC	10	4	25	10	
								SPLD	1	0	2	0	
								CHLE	4	0	0	0	
								CHLE	4	0	4	4	
								SIAB	2	0	0	0	
								BOGR	0	0	0	1	

Recorder C. Carter, W. McBride
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Date of Collection _____

Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA				F	2	4	6	OPPO	4	7	3	0	
								SPCO	1	1	0	1	
								CHLE	0	4	0	1	
								KOSC	0	0	1	1	
								SPCR	0	0	0	1	
								SIAB	1	0	2	1	
								BOGR	3	2	3	2	
								CAME	0	0	1	1	
								ECVI	0	2	0	0	
								ALFR	0	0	1	0	
ESA				F	2	4	7	OPPO	7	0	0	0	
								SPCO	2	0	0	4	
								KOSC	4	11	10	5	
								STCO	2	1	0	0	
								CHLE	1	3	1	2	
								HASP	0	0	1	0	
								BOGR	0	1	0	0	
								SIAB	0	0	3	3	

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Date of Collection_____

Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA				F	2	4	8	KOSC	35	45	30	65	
								OPPO	8	Ø	12	3	
								CHLE	1	2	2	1	
								CAME	6	Ø	2	2	
								SPCO	1	Ø	Ø	Ø	
ESA				F	2	4	19	KOSC	70	90	90	75	
								SIHY	1	1	Ø	1	
								ASOX	Ø	2	Ø	Ø	
								CHLE	1	1	Ø	Ø	
ESA				F	2	4	10	KOSC	90	80	80	100	
								CHLE	Ø	5	Ø	Ø	
								SIHY	1	1	1	1	
								LEDE	Ø	1	Ø	Ø	
								CAME	Ø	Ø	Ø	1	
								BOGE	Ø	2	Ø	Ø	

Recorder C. Carter, W. McBridePage 14 of 18

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	1	2	3	4	Notes
ESA				E	2	3	10	KOSC	45	50	50	80	
								LARI	0	1	1	0	
								CAHE	0	0	1	0	
								LEDE	0	2	0	0	
								CHLE	1	1	0	0	
								SPCO	0	0	1	1	
ESA				F	2	3	9	STCO	3	0	1	0	
								CAHE	4	10	15	5	
								KOSC	35	35	25	35	
								SIAB	0	0	1	1	
								LEDE	0	0	1	0	
								SPCO	0	0	0	0	
								BIGR	0	1	0	0	
ESA				F	2	3	8	STCO	1	1	0	1	
								KOSC	20	25	20	10	
								CAHE	3	3	4	2	
								BOGR	0	1	1	0	
								CHLE	0	0	1	0	

PI – Dan Milchunas

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Density

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Recorder _____

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8'05		F	2	3	1	SADB	3	0	3	2	
								CHLE	1	3	5	0	
								CRME	4	4	1	0	
								KOSC	3	5	7	5	
								OPPO	4	0	0	3	
								CAHE	5	6	0	0	
								STCO	0	1	1	2	
								BOGR	0	1	1	0	
								ARFR	0	1	1	0	
								SPCO	0	0	0	2	
								EEVI	0	0	0	1	
ESA		8'05		F	2	3	2	CHLE	6	5	1	0	
								KOSC	4	0	0	1	
								OPPO	8	4	0	2	
								SADB	7	4	4	5	
								CAHE	5	10	4	2	
								BOGR	0	2	1	1	
								STCO	0	0	1	1	

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Recorder _____

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	P	2	3	3	KUSC	15	12	12	15	
								GRME	5	0	0	10	
								CHLE	15	16	7	16	
								SIHY	2	0	0	2	
								SATB	2	2	3	2	
								CHLE	3	20	10	5	
								STCO	0	0	1	1	
								LEDE	0	0	1	0	
EA		8	05	P	2	3	4	LEDE	6	3	0	0	
								SPOC	0	4	4	1	
								OPPO	2	1	13	14	
								CHLE	0	4	0	2	
								POGR	1	1	3	1	
								KUSC	10	0	10	7	
								ARFR	1	0	0	0	
								SATB	4	2	0	6	
								CHLE	1	0	0	0	
								COVI	0	1	0	0	

Density

[illegible]

Recorder A. Anderson, J. Stevens

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	G	1	4	1	KOSC	12	20	17	20	
								STLO	1	0	0	0	
								ARFR	0	0	1	0	
				G	1	4	2	ARFR	2	1	1	0	
								CYAL	1	0	0		
								KOSC	3	3	0	4	
								SPCO	0	1	1	0	
								LARE	0	2	0	6	
				G	1	4	3	KOSC	45	50	15	45	
								SPCO	0	1	2	1	
								LARE	0	2	7	0	
				G	1	4	4	KOSC	60	52	49	38	
								SIHY	0	0	0	1	
								CAHE	0	0	15	20	
								LARE	0	0	0	1	
				G	1	4	5	KOSC	57	58	60	45	
								CYAL	0	1	0	0	
								SIHY	1	0	0	0	
								LARE	0	0	1	0	

Recorder A. Anderson, J. Stevens

Data Entered By _____

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	G	1	4	6	LARE	0	9	12	0	
								LAHE	25	0	7	0	
								KOSC	19	24	14	27	
								SPCR	0	0	0	1	
				G	1	4	7	CRME	17	9	7	1	
								KOSC	9	20	19	12	
								LARE	0	0	5	3	
								LAHE	0	0	0		
								SIHY	0	1	0		
				G	1	4	8	KOSC	25	35	30	35	
								LAHE	10	7	0	0	
								SIHY	1	0	0	0	
								SAIB	0	0	1	0	
				G	1	4	9	KOSC	25	30	25	35	
								STCO	0	1	1	0	
								SAIB	0	2	0	0	
				G	1	4	10	KOSC	35	25	20	35	
								STCO	1	2	0	0	

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	G	1	5	10	STCO	0	1	1	1	
								KOSC	15	20	15	17	
				G	1	5	9	KOSC	30	35	40	45	
								SIHY	1	0	0	0	
								BOGR	1	0	0	0	
				G	1	5	8	KOSC	25	30	33	46	
								SIHY	0	0	0	1	
								LARE	2	0	0	0	
				G	1	5	7	KOSC	20	31	47	50	
								LARE	0	13	2	1	
				G	1	5	6	KOSC	14	10	19	20	
								LARE	8	3	3	0	
								SPCO	1	1	2	0	
				G	1	5	1	KOSC	25	20	27	31	
				G	1	5	2	LARE	5	2	5	3	
								KOSC	3	9	1	0	
								LAHE	0	1	0	0	

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Date of Collection 8.9.05

Density

[illegible]

Recorder J. Pekar, B. Gley

Data Entered By _____

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	G	1	3	1	KOSC	24	25	35	35	
								STCO	1	1	1	0	
								SPCO	1	0	0	0	
								LEDE	1	0	0	0	
								CAHE	3	6	3	4	
								SINY	0	0	1	1	
ESA		8	05	G	1	3	2	KOSC	5	25	10	14	
								LARE	4	0	1	0	
								SAIB	1	1	0	0	
								CAHE	1	3	4	0	
ESA		8	05	G	1	3	3	KOSC	20	23	30	30	
								SPCO	3	3	2	0	
								CAHE	0	3	0	2	
								LARE	0	0	2	0	
ESA		8	05	G	1	3	4	KOSC	40	45	35	35	
								CAHE	15	20	5	3	
								CHLE	0	0	3	0	
								BUGR	0	0	0	1	

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Date of Collection_____

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Recorder J. Pelhar, B. Gley
Data Entered By _____Page 7 of 10

Date of Collection _____

Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	G	1	3	10	KOSC	55	55	55	55	
								STCO	0	1	1	0	
								LARE	0	0	0	2	
ESA		8	05	G	1	4	1	KOSC	4	8	11	0	
								STCO	3	2	3	3	
								CAHE	0	2	0	4	
ESA		8	05	G	1	4	2	KOSC	30	25	30	33	
								STCO	0	1	1	2	
								CAHE	30	20	18	6	
ESA		8	05	G	1	4	3	KOSC	45	45	45	45	
								LARE	1	0	0	0	
								CAHE	3	6	7	0	
								BOGR	0	1	0	0	
								STCO	0	0	0	1	
								ARFR	0	0	0	1	
ESA		8	05	G	1	4	4	KOSC	15	25	30	20	
								CAHE	18	12	18	20	
								LARE	4	0	0	8	

BOGR 1 0 0 0

SAB 0 0 1 0

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	G	1	2	1	KOSC	30	8	15	10	
								LARI	1	12	9	0	
								BOGR	2	0	0	2	
								SAMB	0	1	0	0	
								CAHE	0	0	10	3	
								SITH	0	0	1	0	
ESA		8	05	G	1	2	2	LARI	12	6	15	20	
								KOSC	10	20	15	9	
								STCO	0	0	0	1	
ESA		8	05	G	1	2	3	KOSC	30	45	70	60	
								CAHE	20	12	10	20	
ESA		8	05	G	1	2	4	CAHE	20	15	40	20	
								KOSC	70	90	35	90	
ESA		8	05	G	1	2	5	KOSC	90	50	90	80	
								CAHE	0	10	20	8	
								STCO	0	1	0	0	
								SPLO	0	0	0	5	

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Density

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Density

[illegible]

Recorder J. Pelnar, B. Gley

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8/05		E	2	4	1	KOSC	0	6	12	12	
								CAHE	12	5	0	8	
								SPCO	1	3	1	5	
								BOGR	4	1	1	3	
								SAIB	0	3	0	0	
								CHLE	0	0	1	0	
		8/05		E	2	4	2	STCO	2	0	1	0	
								KOSC	20	12	20	30	
								SAIB	0	2	1	3	
								COVI	1	1	0	0	
								CHLE	1	2	0	0	
								SPCO	3	0	0	0	
								BOGR	1	1	0	0	
								CAHE	10	10	20	5	
		8/05		E	2	4	3	KOSC	20	35	30	20	
								SAIB	5	2	1	4	
								CAHE	30	20	30	20	
								STCO	0	1	2	1	

PT 4P5

ARS Study #3 (ESA)

PI - Dan Milchunas

Recorder J. Pelmar, B. Gley
Data Entered By _____

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Date of Collection _____

Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8 05		E	2	4	4	KOSC	35	30	40	35	
								STCO	1	1	2	4	
								CAHE	10	0	5	12	
								SAIB	1	0	2	0	
		8 05		E	2	4	6	KOSL	30	40	25	35	
								STCO	0	0	1	3	
		8 05		E	2	4	7	KOSL	50	55	60	50	
								CAHE	0	1	3	0	
								SPCO	2	0	1	0	
								STCO	1	0	0	1	
		8 05		E	2	4	8	KOSC	70	50	50	50	
								STCO	0	1	0	0	
								ASUX	0	0	0	1	
		8 05		E	2	4	5	KOSC	25	27	15	15	
								LEDE	3	1	0	3	
								SICO	0	0	1	1	
		8 05		E	2	4	9	KOSC	50	50	50	50	
		8 05		E	2	4	10	KOSL	35	40	35	30	

SPCO 1 0 0 3
STCO 1 0 0 0
ASUX 0 0 0 1
BAGR 1 0 0 1
M+1 1 0 0 0

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		805	E	2	3	1	10	KOSC	15	12	25	25	
								SAIB	1	0	0	0	
ESA		805	E	2	3		9	KOSC	50	50	50	50	
								ARFR	0	0	1	1	
								ASUX	0	0	1	0	
								SPCO	0	0	1	0	
ESA		805	E	2	3		8	KOSC	45	45	40	45	
								ARFR	4	6	0	0	
								SPCO	0	0	0	1	
ESA		805	E	2	3		7	KOSC	35	30	30	30	
								SPCO	3	2	0	0	
								SAIB	0	0	1	1	
ESA		805	E	2	3		6	KOSC	40	40	50	35	
								STCO	1	2	0	0	
								CATE	6	6	1	0	
								GABO	0	1	0	0	
								SPCO	0	0	0	3	

Recorder J. Pedner, B. Gley
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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		805		E	2	3	5	KOSC	30	25	25	30	
								STCO	0	1	0	0	
								SATB	1	0	1	1	
								MILI	1	0	0	0	
								SPCO	0	2	1	1	
ESA		805		E	2	3	4	KOSC	6	10	4	15	
								STCO	5	1	1	1	
								LAHE	12	0	0	0	
ESA		805		E	2	3	3	KOSC	15	20	12	20	
								STCO	3	2	2	1	
								SATB	4	2	7	4	
								GACO	1	0	1	0	
								LEDE	0	1	1	0	
ESA		805		E	2	3	2	STNY	0	0	1	1	
								SATB	3	0	0	1	
								KOSC	20	25	6	20	
								BOGR	1	0	1	0	
								THTR	0	1	0	0	

Recorder J. Pelner, B. GleyPage 6 of 11

Data Entered By _____

Date of Collection _____

Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	E	2	3	1	BOGR	2	2	0	1	
								ROSC	12	15	20	25	
								CAHE	8	12	3	0	
								PLPA	15	10	0	0	
								SPCO	0	2	3	0	
								GAIB	0	0	1	0	
ESA		8	05	E	2	2	6	ROSC	15	12	20	20	
								STCO	1	0	1	2	
								LIAR	0	2	0	0	
ESA		8	05	E	2	2	7	ROSC	45	45	40	40	
								STCO	0	0	1	0	
								LEDE	0	0	1	0	
								CRME	0	0	1	0	
ESA		8	05	E	2	2	8	ROSC	25	30	30	35	
								SPCO	2	2	2	2	
ESA		8	05	E	2	2	9	ROSC	35	37	30	35	
								SPCO	7	0	2	3	
								ARFR	3	3	3	3	

Recorder W. McBride, C. CarferData Entered By Page 5 of 11Date of Collection 8.9.05

Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	E	2	2	1	KOSC	20	20	40	25	
								AGSM	1	0	1	3	
								ARLO	1	0	0	0	
								THTR	0	1	0	0	
								SIHY	0	1	0	0	
ESA		8	05	E	2	2	2	KOSC	25	25	30	35	
								LEDE	0	1	1	0	
								SPCO	0	0	0	2	
ESA		8	05	E	2	2	3	KOSC	25	12	12	10	
								STCO	0	3	1	1	
								SPCO	2	3	0	0	
								BOGR	1	0	0	0	
								STIB	0	0	2	0	
ESA		8	05	E	2	2	4	KOSC	3	12	10	15	
								STCO	2	2	3	1	
								OPPO	0	0	5	0	
ESA		8	05	E	2	2	5	KOSC	10	10	12	15	
								STCO	3	1	2	3	
								COVI	1	0	0	0	

Recorder J. Pelnos B. GleyPage 7 of 11

Data Entered By _____

Date of Collection _____

Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		805		E	2	2	10	KOSC	35	40	40	35	
ESA		805		E	2	1	10	KOSC	30	40	35	30	
								LAHE	0	6	5	0	
								SAIB	0	0	1	0	
								MILT	0	0	1	0	
								SPCO	0	0	0	2	
ESA		805		E	2	1	9	KOSC	45	50	50	45	
								ASOX	0	1	1	0	
ESA		805		E	2	1	8	KOSC	35	30	37	30	
								SPCO	1	0	1	2	
								SAIB	0	0	1	0	
ESA		805		E	2	1	7	KOSC	30	25	20	30	
								STCO	1	0	1	1	
								SPCO	1	0	3	2	
								LAHE	0	1	0	0	
ESA		805		E	2	1	6	KOSC	15	15	13	15	
								LARE	2	2	1	0	
								SIHY	2	0	0	0	

SPCO 0 4 2 0

PLPA 0 0 3 0

L.v. 0 0 0 2

STCO 0 0 0 1

Recorder J. Pelmar, B. BleyPage 8 of 11

Data Entered By _____

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		805		E	2	1	5	THTR	2	0	0	0	
								KOSC	15	6	20	15	
								STCO	3	4	2	3	
								C. villosa	1	0	0	0	
								SAIB	0	1	0	0	
								SPCO	0	0	2	0	
ESA		805		E	2	1	4	KOSC	20	20	18	25	
								STCO	1	4	2	2	
								BOGR	0	0	1	0	
ESA		805		E	2	1	3	KOSC	30	40	38	35	
								PSTE	1	0	0	0	
								SPCO	0	0	2	0	
								BOGR	0	0	0	1	
ESA		805		E	2	1	2	KOSC	35	38	20	25	
								SPCO	6	3	2	1	
								LEDE	0	0	1	0	
								CAHE	7	0	12	0	
								STCO	0	1	0	0	

CHLE 1 4 2 1
BOGR 0 0 0 1

Recorder

J. Plenar, B. Gley

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Date of Collection

Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		805		E	2	1	1	AGM	5	4	3	3	
								ROSC	12	3	0	6	
								UPPO	10	13	20	25	
								SATB	1	0	0	1	
								STCO	0	1	0	0	
								SICO	0	1	1	0	
								LAHE	0	0	3	0	
								BOGR	0	0	2	0	
								COVI	0	0	1	0	
ESA		805		E	2	5	1	UPPO	12	0	0	3	
								ROSC	2	2	2	5	
								STCO	4	3	0	2	
								SICO	1	4	3	0	
								LAHE	3	0	0	6	
								CHLE	0	0	1	0	
								BOGR	1	1	3	1	
ESA		805		E	2	5	2	ROSC	20	20	22	15	
								SATB	2	0	0	1	

STCO 1 0 0 0
 CHLE 0 1 0 0
 SATB 0 1 1 1
 SICO 0 0 1 0

Recorder J. Palmer, B. GleyPage 10 of 11

Data Entered By _____

Date of Collection _____

Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		805		E	2	5	3	KUSL	25	25	20	20	
								STCO	1	1	1	0	
								OPPO	3	0	0	0	
								CAHE	10	3	12	15	
								BOGR	0	1	1	0	
								LEDE	0	1	0	0	
								SPCO	0	1	0	2	
ESA		805		E	2	5	4	KUSL	3	1	0	7	
								STCO	2	2	2	1	
								BOGR	2	0	0	0	
								SPCO	2	0	0	0	
								CAHE	12	0	0	12	
								SAIB	3	0	1	2	
ESA		803		E	2	5	5	KUSC	5	20	10	7	
								STCO	1	1	1	1	
								MILI	1	0	0	0	
								SAIB	3	0	3	8	
								CAHE	0	6	7	5	

SPCO 0 1 0 1
BOGR 0 0 1 1

Recorder J. Pelner, B. GleyPage 11 of 11

Data Entered By _____

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	E	2	5	10	KOSC	45	45	45	45	
								SPLC	1	2	0	0	
								LAHE	6	0	5	1	
ESA		8	05	E	2	5	9	KOSC	50	47	45	45	
								OPPO	0	2	0	0	
								STCO	1	0	0	0	
								SPLC	0	0	0	2	
								LAHE	0	0	4	2	
ESA		8	05	E	2	5	8	KOSC	15	8	10	15	
								LARE	0	1	3	1	
								ARFR	0	0	3	0	
								LAHE	0	0	1	0	
								SPLC	0	0	0	3	
ESA		8	05	E	2	5	7	KOSC	50	30	45	30	
								LAHE	3	0	0	0	
								BOGR	1	1	0	0	
ESA		8	05	E	2	5	6	KOSC	35	35	40	30	
								LAHE	6	10	4	6	

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Density

[illegible]

Recorder W. M. B. A. , C. G. A. A.

Data Entered By _____

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	G	2	5	9	KOSC	30	100	70	30	
								SPCO	5	5	0	0	
ESA		8	05	G	2	5	8	STCO	1	3	0	2	
								KOSC	3	1	10	16	
								SAIB	0	0	3	0	
ESA		8	05	G	2	5	7	KOSC	12	8	5	8	
								ARFR	0	1	0	0	
								CYAN	0	0	2	5	
								LARI	0	10	3	15	
ESA		8	05	G	2	5	6	KOSC	30	50	40	70	
								STCO	1	0	0	0	
ESA		8	05	G	2	3	1	KOSC	40	30	50	15	
								CAHE	5	0	10	0	
								LARI	0	3	0	8	
								SPCO	0	0	2	0	
								CRME	0	0	10	0	
ESA		8	05	G	2	3	2	CYAN	1	0	0	1	
								KOSC	50	12	20	30	
								LARI	0	15	10	0	
								SPCO	0	0	0	4	
								CRME	0	0	0	10	

Recorder M. Hendrick, A. Aronson
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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8-05		G	2	1	1	KOSC	10	15	10	5	
								LARE	2	3	2	3	
								ARFR	-	-	1	-	
								SPCO	-	-	-	1	
ESA		8-05		G	2	1	2	KOSC	1	1	2	1	
								LARE	1	3	5	3	
ESA		8-05		G	2	1	3	KOSC	20	25	15	30	
								STCO	2	-	-	-	
ESA		8-05		G	2	1	4	KOSC	25	20	15	20	
								LARE	-	3	-	-	
ESA		8-05		G	2	1	5	KOSC	10	10	10	15	
								STCO	-	1	-	-	
								LARE	-	-	5	3	
ESA		8-05		G	2	1	6	KOSC	20	20	15	25	
								LARE	2	-	-	-	
								LARE	-	2	2	-	
ESA		8-05		G	2	1	7	KOSC	15	15	15	15	
								ARFR	-	10	10	1	

Recorder M. Hendrick, A. Aronson

Data Entered By _____

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8-05		G	2	1	8	KOEC	30	30	25	30	
								LEDE	-	-	-	1	
ESA		8-05		G	2	1	9	KOSC	30	15	20	25	
								STCO	-	-	1	-	
								SIAB	-	-	1	3	
ESA		8-05		G	2	1	10	STCO	3	1	3	2	
								SIAB	-	-	-	3	
ESA		8-05		G	2	2	10	STCO	2	4	3	1	
								SIAB	3	2	0	3	
								POLE	1	0	0	0	
								KOSC	1	10	1	0	
ESA		8-05		G	2	2	9	KOSC	20	35	35	30	
								STCO	1	0	0	0	
ESA		8-05		G	2	2	8	KOSC	20	25	25	20	
								LAPF	1	10	2	2	
								STCO	0	1	0	0	
								SIAB	0	1	0	1	
								SIAB	0	0	0	3	

Recorder A. Anwar M. HammadPage 5 of 9

Data Entered By _____

Date of Collection 8/10/05

Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8-05		G	2	2	7	SPCO	2	1	0	0	
								KOSL	30	30	30	28	
								SIAB	0	1	0	0	
ESA		8-05		G	2	2	6	SPCO	1	5	1	2	
								KOSL	25	32	27	32	
ESA		8-05		G	2	2	5	KOSL	25	28	22	35	
								STCO	0	0	1	0	
ESA		8-05		G	2	2	4	KOSL	18	21	20	12	
								STCO	0	1	0	1	
								LARE	0	1	0	0	
								CAHE	0	0	2	0	
ESA		8-05		G	2	2	3	KOSL	12	28	30	22	
								LARE	0	0	1	0	
ESA		8-05		G	2	2	2	KOSL	23	23	20	22	
								LARE	2	0	0	0	
								ARLO	0	1	0	0	
ESA		8-05		G	2	2	1	KOSL	23	25	30	20	
								UNK #1	2	0	1	0	

SPCO
CAHE1
03
03
30
0

Recorder J. Pelhar, B. Glick

Data Entered By _____

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Date of Collection _____

Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	G	2	4	1	STCO	2	1	0	0	
								KOSC	25	45	45	40	
								LAHE	0	5	5	0	
								ARTR	0	0	0	1	
ESA		8	05	G	2	4	2	KOSC	20	30	15	15	
								STCO	1	1	1	2	
								LAHE	0	8	3	8	
								SPCO	0	0	2	4	
								SALC	0	0	1	1	
ESA		8	05	G	2	4	3	KOSC	35	17	9	20	
								LAHE	2	10	2	2	
								SPCO	1	2	0		
								ARTR	1	0	0		
ESA		8	05	G	2	4	4	KOSC	20	16	30	15	
								LAHE	2	2	1	3	
								BOGR	1	0	0	0	
ESA		8	05	G	2	4	5	KOSC	20	30	30	15	
								LAHE	1	0	20	8	

Total 1 1 23 0

Recorder J. Davis, B. GleyData Entered By Page 7 of 9Date of Collection 4/10

Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	G	2	4	6	KUSC	60	60	60	60	
								LARE	0	0	0	2	
								STCO	0	0	0	1	
ESA		8	05	G	2	4	7	KUSC	50	50	50	50	
								LEDE	0	0	0	1	
LSA		7	05	G	2	4	8	KUSC	45	50	50	48	
								STCO	1	0	0	1	
								BUGR	1	0	0	1	
								CAME	5	1	3	7	
								LEWE	0	2	0	0	
LSA		7	05	G	2	4	9	KUSC	20	22	25	40	
								STCO	4	1	2	3	
								SAIB	14	3	1	0	
								CAME	0	0	3	6	
								BUGR	1	0	0	0	
ESA		8	05	G	2	4	10	KUSC	3	13	2	0	
								STCO	4	3	4	3	
								SAIB	4	5	0	1	

Recorder J. Palmer, B. Galt

Data Entered By _____

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	G	2	3	10	STCO	4	2	5	1	
								SAJB	0	1	1	0	
								CAHE	3	0	0	0	
								KOSC	0	1	0	0	
ESA		8	05	G	2	3	9	KOSC	5	20	24	16	
								STCO	3	2	1	3	
								SAJB	5	2	4	2	
								SPCO	1	0	3	0	
								CAHE	0	0	5	6	
ESA		8	05	G	2	3	4	KOSC	30	35	30	30	
								CAHE	1	3	0	0	
								SPCO	0	2	0	0	
								STCO	0	0	2	1	
								SAJB	0	0	0	2	
ESA		8	05	G	2	3	9	KOSC	20	20	30	20	
								STCO	1	1	3	2	
								LEDE	1	0	0	0	
								SAJB	0	0	1	0	
								CAHE	0	0	0	0	

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Density

[illegible]

Recorder C. Carter, W. McBridePage 1 of 18

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Date of Collection 8-10-05

Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA				F	1	1	1	CHLE	3	0	0	0	
								STCO	4	2	2	1	
								SAB	0	0	0	2	
								SPCO	0	0	1	0	
ESA				F	1	1	2	KOSC	45	50	50	40	
								CHLE	0	0	0	0	
								STCO	0	1	0	0	
							3	SPCO	2	0	0	0	
								CHLE	8	4	5	9	
								KOSC	40	25	30	40	
								CRNE	0	2	1	0	
								HASP	0	2	1	2	
								PLPA	0	0	1	0	
								BOGR	0	0	1	0	
								ARFR	0	0	0	1	
ESA				F	1	1	4	SPCR	1	0	0	0	
								KOSC	65	60	45	60	
								LARI	0	1	0	0	
								CANE	0	1	7	0	
								ARFR	0	0	0	0	
								CHLE	0	1	1	0	

Recorder C. Carter, W. McBrideData Entered By Page 2 of 18Date of Collection 8/10/06

Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
KA				F	1	1	5	KOSC	7	15	3	3	
								CHLE	18	5	7	20	
								SIHY	0	0	0	0	
								PSTE	0	0	0	1	
								BOGR	0	1	1	0	
								LARI	0	1	0	0	
								SIAB	0	4	1	2	
								CAHE	1	1	0	3	
VS				F	1	1	6	KOSC	85	80	60	100	
								LEDE	0	0	0	0	
								CHLE	0	0	0	2	
								HASP	0	2	0	1	
							7	KOSC	35	38	40	50	
								LARI	1	15	4	7	
								CHLE	0	0	0	0	
								STLO	0	0	1	0	
								BOGR	0	1	0	0	
								CAHE	0	2	0	0	
								SIAB	7	0	0	0	
								LEDE	1	0	0	0	

Recorder C. Carter, W. McBride

Data Entered By _____

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESR				F	1	1	8	SIAB	7	10	4	2	
								KOSC	0	7	15	5	
								SPCO	2	1	0	0	
								SIHY	0	0	2	0	
								HASP	0	2	2	0	
								BOGL	0	0	0	1	
								LARI	0	0	0	1	
								LEDE	0	0	0	1	
ESR				F	1	1	9	HASP	1	0	0	0	
								KOSC	15	20	10	1	
								CHFE	10	1	4	0	
								LEDE	0	0	0	2	
								SIAB	0	1	0	4	
								LARI	0	0	1	0	
								BOGL	0	0	1	0	
								AKER	4	0	1	0	
ESR				F	1	1	10	STCO	1	1	0	0	
								PLPA	2	0	0	0	

Recorder C. Carter, W. McBride

Data Entered By _____

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESPA				F	1	1	6	SIAB	5	3	2	4	
								LARI	0	0	4	4	
								KOK	2	10	10	0	
								THAT	0	0	0	0	
								BAGR	0	0	0	0	
								IEDR	0	0	1	0	
								SPLR	0	0	1	0	
								BUGL	0	0	0	1	
								CHLE	0	0	0	1	
ESPA				F	1	2	10	SPLR	1	0	1	1	
								SIAB	4	3	6	2	
								CHLE	0	7	2	10	
								STLO	2	1	0	0	
								KOSC	0	3	0	0	
								THAT	0	0	1	1	
								OPPO	0	0	0	0	

Recorder C. Carter, W. McBride

Data Entered By _____

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA				F	1	2	9	CHLE	1	5	0	15	
								KOSL	0	10	10	0	
								THAT	1	0	0	1	
								CYAR	0	1	0	0	
								SHAR	0	1	0	0	
								SIAB	5	0	10	7	
								CEME	0	0	1	0	
ESA				F	1	2	8	STCO	3	0	1	2	
								SIAB	2	5	0	3	
								CHLE	0	2	0	0	
								BOXL	0	0	1	0	
ESA				F	1	2	7	CHLE	0	1	3	2	
								KOSL	3	0	0	0	
								SIAB	10	11	20	30	
								LARI	25	4	7	10	
								SHHY	1	0	0	1	
ESA				F	1	2	6	STCO	0	1	1	0	
								CHLE	25	15	15	40	

Recorder

C. Carter, W. McBride

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA				F	1	2	6	KOAL	8	0	0	7	
								SIAB	1	4	1	1	
								SPLO	0	1	1	0	
								OPPO	0	0	4	0	
ESA				F	1	2	5	CRME	1	1	1	0	
								KOAL	3	1	3	0	
								SIAB	0	2	2	1	
								BOGE	1	0	0	0	
								STLO	0	1	0	0	
								CHLE	15	10	25	15	
								LEDE	0	1	0		
ESA				F	1	2	5	OPPO	12	12	15	0	
								SIHY	1	0	0	0	
								KOAL	15	30	30	5	
								CHLE	3	1	7	20	
								LMRI	0	1	0	0	
								THATR	0	1	0	0	
								CAHY	6	0	0	4	

Recorder C. Carter, W. McBride

Data Entered By _____

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA				F	1	2	3	OPPO	6	17	13	10	
								CHLE	35	30	30	50	
								SIAB	8	0	2	0	
								SIHY	0	1	2	0	
								CRHE	3	0	2	0	
								KOSC	1	1	2	3	
ESA				F	1	2	2	CRHE	0	0	0	1	
								SIAB	14	18	5	16	
								CHLE	20	20	25	5	
								HTTR	0	0	0	2	
								BOGR	0	1	1	0	
								OPPO	0	3	0	0	
								GLCO	1	1	0	0	
								SIHY	0	0	1	0	
								KOSC	0	0	15	0	
								MYAR	0	0	0	1	
ESA				F	1	2	1	KOSC	10	25	55	25	
								CRHE	0	0	0	1	

Recorder C. Carfer, W. McBride

Data Entered By _____

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA				F	1	2	1	SIAB	8	0	0	5	
								ARFR	1	1	0	1	
								LARI	1	4	10	0	
								THTR	0	0	0	0	
								CHLE	0	0	1	0	
ESA				F	1	5	6	SIAB	1	4	0	1	
								CHLE	10	4	3	5	
								LARI	5	0	0	0	
								SPLO	0	1	0	0	
								STZO	2	1	1	2	
								BOBR	1	0	0	1	
								KOSC	0	0	1	0	
ESA				F	1	5	7	CHLE	0	0	5	30	
								KOSC	35	30	0	5	
								LARI	0	1	5	5	
								SIAB	5	5	5	0	
								SPLO	1	0	0	0	
								ARFR	1	0	0	0	

Recorder C. Carter, W. McBride
Data Entered By _____Page 9 of 18Date of Collection 8.10.05

Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA				F	1	5	8	LEDE	1	0	0	0	
								CHLE	10	3	3	0	
								OPPO	5	10	17	30	
								SPCO	2	0	0	0	
								STCO	0	0	1	0	
								SIAB	0	7	2	2	
								BOBK	1	2	0	0	
								CAME	15	0	10	10	
								ADPL	0	3	0	0	
								SIHY	0	0	0	1	
ESNA				F	1	5	9	SIHY	0	1	0	1	
								SIAB	5	0	4	0	
								CHLE	15	5	5	10	
								BOBK	0	1	1	0	
								CAME	7	15	10	10	
								KOSC	5	1	0	0	
								THIR	0	0	0	1	

Recorder J. Pelner, B. Gley
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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		805		F	1	5	2	KOSC	8	7	27	20	
								CHLE	7	12	3	9	
								SIHY	1	0	0	0	
								LEDE	1	0	0	1	
								SAIB	4	4	2	2	
								THTR	0	0	1	0	
ESA		805		F	1	5	3	SAIB	5	2	0	3	
								OPPO	0	18	2	0	
								CHLE	3	4	0	0	
								KOSC	15	12	15	20	
								CAHE	4	0	0	0	
								SIHY	3	3	0	0	
								THTR	0	0	1	0	
								LARE	0	0	3	1	
ESA		805		F	1	5	4	SAIB	4	5	5	10	
								CHLE	2	3	1	0	
								LARE	12	12	0	4	
								KOSC	0	0	3	4	

OPPO 0 10 0 0
 SIHY 0 1 1 1
 ARFR 0 0 1 0
 BOGR 0 0 0 1

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Density

[illegible]

Recorder J. Pelnar, B. Gley

Data Entered By _____

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		805		F	1	3	3	SAIB	6	7	1	3	
								CHLE	10	6	5	20	
								KOSC	0	4	3	11	
ESA		805		F	1	3	2	KOSC	15	15	12	20	
								CHLE	2	3	0	0	
								SIHY	1	2	1	2	
								CAHE	5	12	4	12	
								SAIB	2	0	0	2	
ESA		805		F	1	3	1	OPPO	11	12	4	8	
								KOSC	0	0	2	1	
								CHLE	10	6	0	0	
								BOGR	2	4	1	1	
								SPCR	1	0	0	0	
								BMDA	0	1	1	2	
								SAIB	0	0	1	4	
ESA		805		F	1	5	1	OPPO	14	7	5	3	
								CHLE	7	8	8	7	
								SAIB	1	8	4	5	
								KOSC	12	7	12	8	

Recorder J. P. Hef, B. Gley

Data Entered By _____

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		805		F	1	3	6	OPPO	4	8	10	6	
								CHLE	12	14	1	11	
								CRME	1	0	0	0	
								SATB	1	2	5	0	
								SIMY	0	1	1	1	
								KOSC	0	2	0	0	
ESA		805		F	1	3	5	KOSC	12	12	4	12	
								CHLE	20	12	10	12	
								CRME	0	0	4	1	
								LARE	1	2	0	2	
								SATB	0	1	0	4	
								BOGR	0	0	1	1	
ESA		805		F	1	3	4	CHLE	7	15	3	4	
								SPCO	3	0	0	0	
								KOSC	1	2	8	4	
								SATB	2	1	1	0	
								CRME	1	0	1	0	
								THAR	1	1	0	2	

LARE 0 2 0 0
 CAHE 0 0 1 0

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Density

[illegible]

Recorder J. Pelner, B. Gley
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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		805		F	1	4	10	OPPO	14	18	10	13	
								SAIB	2	0	2	2	
								SIHY	2	2	1	2	
								STCO	0	0	2	0	
								SPCO	0	0	0	1	
								CHLE	0	0	0	4	
ESA		805		F	1	3	10	KASC	15	4	0	0	
								SAIB	0	8	3	4	
								CRME	2	0	15	5	
								OPPO	13	12	2	9	
								CHLE	0	1	1	1	
								STCO	0	1	0	0	
								SIHY	0	1	1	0	
								BOGR	0	1	0	1	
ESA		805		F	1	3	9	CHLE	2	1	1	5	
								OPPO	12	17	26	27	
								SPCO	1	0	0	0	
								SIHY	1	2	1	1	

BOGR	1	0	0	0
SAIB	0	6	8	0
STCO	0	1	0	0
SPCR	0	0	0	1

Recorder J. Pelner, B. Gley
Data Entered By _____Page 10 of 18
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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		805		F	1	4	1	KOSC	35	12	20	20	
								CAHE	3	2	0	5	
								SAIB	0	2	5	6	
								BOGR	0	1	1	0	
								CHLE	0	0	0	12	
ESA		805		F	1	4	2	KOSC	30	12	7	30	
								CHLE	9	6	16	12	
								LEDE	1	0	0	0	
								CAHE	10	3	3	6	
								SIHY	0	1	0	1	
								BOGR	0	1	0	0	
								SAIB	0	0	2	0	
ESA		805		F	1	4	3	KOSC	8	12	20	20	
								CHLE	12	17	12	8	
								SIHY	1	0	0	0	
								SAIB	11	6	0	6	
								BOGR	1	1	1	1	
								CAHE	5	3	10	5	

Recorder J. P. Chao, B. Gley

Data Entered By _____

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		6	05	F	1	4	4	KOXC	0	1	3	3	
								CHLE	3	0	1	4	
								SIHY	2	0	0	0	
								SPCO	1	2	0	2	
								CYAN	0	1	0	0	
								ARFR	0	1	0	0	
								SASB	4	5	2	3	
								LARE	0	0	12	1	
								BOGR	0	0	0	1	
ESA		8	05	F	1	4	5	LEDE	0	0	0	1	
								OPPO	13	7	10	8	
								CHLE	3	3	0	0	
								BOGR	1	1	3	1	
								SASB	1	2	5	0	
								CRME	2	4	9	7	
								ARFR	3	0	2	1	
								SPCR	1	0	0	0	
								CANE	0	1	12	6	
								SIHY	0	0	0	1	

Recorder J. Peltner, B. GleyData Entered By Page 12 of 18Date of Collection 8/10/05

Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		805		F	1	4	6	LEDE	1	0	0	0	
								SAIB	1	0	4	3	
								ARFR	1	2	2	1	
								OPPO	2	2	0	12	
								BOGR	0	2	0	2	
								CAHE	0	0	0	1	
ESA		805		F	1	4	7	-	0	0	0	0	Ant mound
ESA		805		F	1	4	8	SAIB	3	4	3	2	
								STCO	1	2	1	1	
								SIHY	0	1	0	1	
								CHLE	0	0	0	1	
ESA		805		F	1	4	9	STCO	1	2	1	3	
								OPPO	2	19	4	8	
								BOGR	3	1	0	0	
								KOSC	1	0	0	0	
								SAIB	2	0	0	0	
								CAHE	6	2	5	0	
								SIHY	0	0	0	1	

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	E	1	2	1	OPPO	0	0	11	0	
							1	THTR	1	1	3	1	
								SAIB	2	2	1	5	
								STCO	1	0	1	0	
								BOGR	3	2	3	3	
								SPCO	0	1	0	0	
								KOSC	0	1	0	0	
ESA		8	05	E	1	2	2	SIHY	0	0	1	0	
								STCO	1	0	1	0	
								CHLE	0	3	0	3	
								THTR	0	1	0	3	
								SAIB	2	1	2	1	
								ARFR	0	1	0	0	
								SPCO	0	0	3	0	
								EREF	1	0		0	
								CAHE	0	0	15	0	
								BOGR	0	0	0	1	

Recorder W. McBride, C. Carter
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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	E	1	2	3	SAIB	4	0	5	12	
								CAHE	40	10	15	60	
								STCO	1	2	0	0	
								SPCO	0	0	2	1	
ESA		8	05	E	1	2	4	STCO	2	3	2	2	
								SAIB	1	4	1	4	
								PIOP	0	0	4	0	
ESA		8	05	E	1	2	5	STCO	1	0	0	0	
								SAIB	0	3	3	4	
								CAHE	10	15	0	5	
								KOSC	0	0	0	1	
								BOGR	0	0	1	1	
ESA		8	05	E	1	2	6	STCO	1	1	3	1	
								SAIB	12	4	10	7	
								CAHE	0	0	0	25	
ESA		8	05	E	1	2	7	CHLE	1	0	1	1	
								SAIB	2	5	1	0	
								CAHE	30	20	0	9	

Recorder W. McBride, C. Carter

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	E	1	2	7	STCO	2	3	2	2	Cont'd
ESA		8	05	E	1	2	8	KOSC	0	1	0	3	
								SAIB	2	14	8	4	
								STCO	0	0	0	1	
								CAHE	20	30	0	0	
								CHLE	1	0	0	0	
								SPLC	0	0	0	1	
ESA		8	05	E	1	2	9	STCO	2	1	0	2	
								SAIB	0	6	8	4	
								CAHE	0	40	30	50	
								CHLE	0	1	0	0	
								KOSC	0	0	2	0	
ESA		8	05	E	1	2	10	SAIB	10	15	12	7	
								STCO	2	0	2	3	
								SPLC	2	3	0	0	
								CAHE	0	0	25	0	
ESA				E	1	1	10	CAHE	50	20	0	10	
								SAIB	14	13	9	14	

Recorder W. McBride, C. Carter
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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	E	1	1	10	CHLE	0	0	1	0	Cont'd
								SPCO	0	1	4	0	
								ARFR	0	0	1	0	
ESA		8	05	E	1	1	9	CHLE	0	0	0	1	
								CAHE	50	30	50	50	
								SAIB	8	12	5	3	
								SPCO	2	0	0	0	
								SIHY	0	0	0	1	
ESA		8	05	E	1	1	8	SAIB	5	4	1	8	
								CAHE	80	30	50	15	
								STCO	0	0	1	0	
								CHLE	0	1	0	1	
ESA		8	05	E	1	1	7	SAIB	20	0	15	16	
								KOSC	0	3	0	0	
								CHLE	4	0	0	5	
								CAHE	0	20	50	50	
								SIHY	0	1	0	0	
								STCO	1	0	0	0	
								BOGR	0	1	0	0	

Recorder W. McBride, C. Carter
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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	E	1	1	6	CHLE	8	3	3	3	
								SAIB	25	20	15	15	
								CAHE	6	20	10	10	
ESA		8	05	E	1	1	5	KOSC	15	20	45	15	
								CAHE	100	40	70	70	
								CHLE	0	8	0	0	
								SAIB	4	0	0	0	
								SPCO	0	1	0	3	
ESA		8	05	E	1	1	4	OPPO	8	0	0	20	
								SAIB	4	20	5	9	
								CHLE	0	9	3	0	
								CAHE	30	4	0	25	
								CHAL	4	0	0	0	
ESA		8	05	E	1	1	3	CIAR	0	0	1	0	
								SIHY	1	0	0	0	
								SAIB	3	7	3	15	
								CAHE	20	40	40	20	
								SPCO	1	0	0	4	
								KOSC	0	0	3	4	

Recorder W. McBride, C. Carfer

Data Entered By _____

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	E	1	1	2	OPPD	30	15	2	15	
								STCO	0	0	0	1	
								SAIB	1	0	2	3	
								BOGR	0	1	1	0	
								SPCO	0	1	2	0	
ESA		8	05	E	1	1	1	ECVI	7	0	0	0	
								STCO	3	2	1	0	
								SPCO	0	1	1	0	
								LARI	0	1	0	0	
								BOGR	0	1	0	0	
								SAIB	0	0	0	2	
								CAHE	0	0	0	20	
ESA		8	05	E	1	5	6	CHLE	2	1	4	0	
								SAIB	5	6	20	8	
								CAHE	20	20	30	25	
								STCO	1	2	0	3	
ESA		8	05	E	1	5	7	STCO	0	0	1	0	
								SAIB	4	8	5	8	

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Quarter Plot

[illegible]

Recorder B. Gley, J. Pelmar
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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	E	1	3	1	STCO	4	1	1	0	
								BOGR	3	2	2	2	
								SAIB	1	0	3	0	
								SPCO	2	2	1	0	
								SPCR	0	0	1	0	
								TTHTR	0	0	1	1	
ESA		8	05	E	1	3	2	ARFR	1	0	1	1	
								BOGR	1	2	1	0	
								STCO	1	1	1	2	
								SAIB	1	0	0	0	
								SPCO	1	2	2	1	
								CAHE	1	3	0	0	
ESA		8	05	E	1	3	3	STCO	3	2	2	2	
								SPCO	1	3	4	1	
								SAIB	1	3	4	0	
								CHLE	0	0	1	0	
								OPPO	0	0	0	4	
								CAHE	0	0	4	3	

Recorder J. Pelzer, B. Gley

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8 05		E	1	3	4	OPPO	16	23	6	0	
								SAIB	5	4	3	13	
								CAHE	25	15	20	30	
								STCO	1	1	0	3	
								THIR	2	0	0	0	
								SPCO	0	0	0	2	
ESA		8 05		E	1	3	5	STCO	3	3	2	2	
								SAIB	0	0	2	0	
								CAHE	3	0	2	0	
								SPCO	0	0	1	0	
ESA		8 05		E	1	3	5	STCO	3	2	4	4	
								SPCO	0	1	0	0	
								SAIB	1	2	0	0	
								BOGR	1	0	0	0	
ESA		8 05		E	1	3	6	STCO	2	2	1	3	
								CHLE	0	0	2	0	
								SAIB	1	2	7	3	
								CAHE	20	30	8	20	

SPCO 0 2 0 0
THIR 0 0 0 1

Recorder J. Pehr, B. Gley

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		605		E	1	3	8	STCO	1	2	2	1	
								SAIB	1	2	2	5	
								SPCO	3	0	1	0	
								CAHE	6	0	2	6	
								THTR	0	0	1	1	
ESA		605		E	1	3	9	SAIB	8	9	1	5	
								STCO	0	1	3	2	
								CAHE	1	10	5	3	
								SPCO	0	0	1	0	
								ASTE	0	0	0	1	
ESA		805		E	1	3	10	STCO	1	1	3	2	
								BOGR	1	1	1	1	
								CAHE	3	4	0	2	
								SAIB	1	5	3	7	
								PCO	0	4	1	1	
ESA		805		E	1	4	10	STCO	2	1	1	2	
								SAIB	5	1	2	4	
								SIHY	3	0	0	0	

ARFR	1	0	1	0
CAHE	2	8	0	5
SPCO	0	1	0	0
BOGR	0	1	1	1

Recorder J. Pelhar, B. Gley
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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		805		E	1	4	9	STCO	8	2	2	4	
								CHLE	2	0	0	0	
								PCO	2	3	0	0	
								CAHE	12	8	12	15	
								SAIB	3	2	1	0	
								BOGR	2	0	1	1	
								STCO	1	0	0	0	
ESA		805		E	1	4	8	STCO	3	1	2	2	
								KOYL	0	0	1	0	
								CAHE	4	2	3	3	
								BOGR	1	0	0	0	
								SAIB	0	1	1	1	
ESA		805		E	1	4	7	SPCO	2	8	1	9	
								STCO	2	1	2	3	
								BOGR	1	2	2	1	
								CAHE	2	0	1	10	
								SAIB	0	1	0	1	
								THTR	6	1	0	0	

Recorder J. Palmer, B. Gley

Data Entered By _____

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		10	5	E	1	4	6	SPCO	3	6	2	7	
								THTR	2	2	1	4	
								KOSC	3	1	8	2	
								BOGR	2	2	2	2	
								SAIB	1	2	1	3	
								CAHE	0	2	5	3	
								SIHY	0	0	1	0	
								CHLE	0	0	1	3	
ESA		8	05	E	1	4	5	KOSC	2	12	18	11	
								THTR	4	0	0	0	
								SAIB	7	4	1	3	
								BOGR	1	0	0	2	
								CAHE	2	4	0	2	
								STCO	0	1	1	0	
								SPCO	0	3	2	0	
								CHLE	0	0	0	3	
ESA		8	05	E	1	4	9	CAHE	40	20	20	20	
								ARFR	1	1	0	0	

CHLE 3
 THTR 2
 BOGR 0
 SAIB 12
 KOSC 12
 ECVI 0
 CPO 0
 CTAR 0

8
 0
 0
 4
 5
 1
 8

1
 0
 5
 0
 0
 24
 3

0
 10
 7
 0
 4

Recorder J. P. Gley
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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	E	1	4	3	STCO	2	2	1	0	
								CHLE	1	0	0	0	
								SAIB	2	1	2	7	
								BOGR	1	0	0	1	
								LAHE	10	0	10	0	
								GACO	0	1	0	0	
ESA		5	05	E	1	4	2	KOSC	0	0	0	1	
ESA		8	05	E	1	4	2	STCO	1	1	2	2	
								KOSC	2	3	0	0	
								BOGR	2	1	0	0	
								SAIB	3	4	4	8	
								PSTE	0	1	0	0	
								GACO	0	0	2	0	
ESA		8	05	E	1	4	1	STCO	2	2	3	1	
								SAIB	4	4	3	17	
								BOGR	1	0	1	1	
								LAHE	10	0	0	0	
								ELVI	0	1	0	0	
								KOSC	0	0	0	2	
								SPCO	0	0	0	2	

Recorder J. Pelhar, B. Gley

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	E	1	5	5	STCO	4	3	2	1	
								SAIB	11	5	11	15	
								CAHE	5	3	0	10	
								CHLE	5	0	0	3	
								ROSC	4	11	0	8	
								BOGR	0	1	1	0	
ESA		8	05	E	1	5	4	ROSC	20	20	15	10	
								STCO	2	0	1	0	
								ARFR	2	0	0	1	
								CAHE	20	20	9	15	
								SAIB	4	0	0	0	
								CHLE	3	2	0	3	
								STCO	0	0	2	0	
ESA		8	05	E	1	5	3	STCO	1	3	2	1	
								SAIB	2	3	5	8	
								ROSC	2	0	0	1	
								CAHE	0	10	3	0	
								BOGR	0	0	0	1	

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[illegible]

Recorder C. Carter, W. McBride

Data Entered By _____

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA				D	1	1	1	OPPO	5	4	0	21	
								THTR	0	1	2	0	
								SIAB	2	1	0	4	
								SPCO	0	0	2	0	
								BUBR	0	2	1	2	
								CAHE	3	0	5	0	
								ECVI	1	0	0	0	
								SIHY	0	0	0	1	
ESA				D	1	1	2	ALFK	1	0	1	0	
								SIAB	3	0	0	1	
								BUBR	0	2	3	0	
								SPCO	0	0	1	0	
								SIHY	1	0	1	0	
								THTR	0	2	1	0	
								LYSU	0	1	0	0	
								SPCO	0	1	0	0	
								LEDE	0	0	0	1	
								OPPO	0	0	0	1	

Recorder R. Carter, W. McBride

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA				D	1	1	3	CHLE	1	0	0	0	
								SPCO	1	6	5	4	
								OPPO	0	4	0	0	
								VUOL	0	1	0	0	
								CAHE	20	15	15	30	
								BODR	3	3	2	4	
								LEDE	1	0	0	0	
ESA				D	1	1	4	SIAB	1	1	1	1	
								CHLE	2	1	0	1	
								BGRK	1	1	2	0	
								OPPO	0	0	3	2	
								CAHE	30	40	20	55	
								SPCO	0	2	1	0	
				D	1	1	5	AKFR	1	0	0	0	
								CHLE	0	1	0	0	
								SIAB	1	1	0	0	
								SPCO	2	1	2	3	
								BUDA	0	0	1	2	

Recorder C. Carter, W. McBride
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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
				D1	1		5	BOGR	0	1	0	1	
								THTR	0	0	1	0	
								CAHE	30	15	30	15	
								SIHY	0	1	0	1	
ESA				D1	1		6	SIAB	2	0	0	0	
								CHLE	0	0	0	0	
								SPCU	0	1	0	0	
								ECVI	0	0	0	0	
								BOGR	30	3	5	2	
								CAHE	30	20	5	5	
ESA				D1	1		7	THTR	1	0	0	0	
								SIAB	0	1	1	5	
								SIHY	0	1	1	0	
								CHLE	0	0	1	0	
								CAHE	30	60	50	40	
								BOGR	2	2	1	1	
								BUDX	0	0	0	1	

Recorder C. Carter, W. McBride

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESD				D	1	1	8	THTR	0	1	0	0	
								SIAB	1	0	0	0	
								SPLO	0	2	1	0	
								ARLD	1	0	0	0	
								BGR	3	0	3	1	
ESD				D	1	1	9	SPLO	0	1	0	0	
								VUL	1	2	0	0	
								ARLD	1	1	1	1	
								SPLO	1	1	0	0	
								ORPO	9	12	4	0	
								BGR	2	2	1	1	
								ECV	1	0	0	0	
								SIAB	1	1	0	0	
								ARFR	1	0	0	0	
								LYSU	1	1	0	0	
								CAME	0	0	1	0	
				D	1	1	10	EREF	1	1	1	1	
								ARFR	1	1	0	0	

VUL	0	0	1	1
ARLD	1	1	0	1
CAME	10	0	5	0
sum	0	0	4	0

Recorder W. McBride, C. Carter
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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ES1				D	1	2	10	OPPO	10	17	0	5	
								ARFR	0	1	0	0	
								THTR	0	1	1	2	
								LEDE	0	0	3	0	
								ARLO	0	2	0	0	
								VHOL	0	1	0	0	
								SPCO	0	0	0	1	
								BOGR	3	2	2	3	
ES2				D	1	2	9	THTR	1	2	1	1	
								BOGR	2	3	3	3	
								SPCO	1	0	1	0	
								ECVI	0	0	0	1	
ES3				D	1	2	8	ECVI	0	1	0	1	
								OPPO	0	0	1	0	
								BOGR	3	2	3	3	
								VHOL	0	2	1	0	
							7	CHHE	0	150	100	100	
								CHHE	1	0	0	0	

ARFR	0	0	1	0
THTR	1	0	0	0
ECVI	0	0	1	0

Recorder W. Myznick, C. Carfer

Data Entered By _____

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
				D	1	2	6	SIAB	1	3	2	0	
								CAHE	100	50	20	20	
								BOBL	1	0	2	3	
								SIHY	0	1	0	0	
				D	1	2	5	ECVI	0	0	5	0	
								SIAB	3	2	0	0	
								SPCO	2	0	2	2	
								CAHE	40	60	40	80	
								BOBL	1	0	2	1	
								CHLE	0	2	0	0	
				D	1	2	4	SIAB	0	0	1	1	
								BOBL	4	1	2	3	
								CHLE	0	1	2	0	
								SPCO	5	0	4	2	
								THTR	3	0	1	0	
								CAHE	3	5	0	0	
								ADPR	0	0	0	1	
								VIOL	0	0	0	1	
								PLPA	0	1	0	0	
								BIDA	0	2	0	0	

Recorder C. Carter, W. McBride

Data Entered By _____

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA				D	1	2	3	OPPD	1	6	7	Ø	
								PRFL	Ø	Ø	Ø	Ø	
								PRLO	1	Ø	Ø	Ø	
								SPLO	1	2	3	3	
								PLVA	Ø	Ø	Ø	1	
								ECVI	Ø	1	Ø	Ø	
								CAHE	Ø	15	30	25	
								THTR	1	1	Ø	1	
								BOGR	1	Ø	3	3	
								SIAB	Ø	Ø	Ø	1	
							2	SIAB	1	1	1	Ø	
								THTR	3	Ø	1	3	
								PLVA	Ø	1	Ø	Ø	
								BOGR	2	2	3	2	
								CAHE	Ø	5	20	Ø	
								SPLO	1	Ø	Ø	1	
								PRLO	Ø	Ø	1	Ø	
								OPPD	Ø	Ø	Ø	1	

Recorder C. Carter, W. McBride

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA				D	1	2	1	STLO	0	1	0	0	
								SPLO	0	1	0	0	
								SIAB	1	0	1	0	
								VUOL	1	0	0	0	
								OPPO	4	0	0	0	
								BOLR	4	2	3	4	
								THTR	0	1	1	2	
								CAME	30	15	3	20	
								ARLO	0	0	1	0	
ESA				D	1	5	6	SIAB	0	0	1	1	
								BOLR	0	1	2	4	
								SPLO	2	0	0	1	
								ARLO	0	0	0	1	
								CAME	30	30	30	40	
								ELVI	0	3	0	0	
ESA				D	1	5	7	PIOP	2	0	0	0	
								SPLO	1	0	0	0	
								OPPO	0	0	0	20	

Recorder C. Carter, W. McBride
Data Entered By _____

Date of Collection 8, 10, 05

Density

[illegible]

Recorder J. Pelver, B. Gley
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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	D	1	4	1	OPPO	2	4	0	0	
								SPCO	6	3	2	0	
								BOGR	2	1	3	1	
								STCO	1	2	2	2	
								CAHE	10	0	2	5	
ESA		8	05	D	1	4	2	SAIB	1	3	1	0	
								THTR	0	1	0	0	
								CAHE	0	4	2	0	
								STCO	0	1	1	0	
ESA		8	05	D	1	4	3	STCO	1	1	1	2	
								SAIB	1	4	3	3	
								THTR	2	0	0	0	
								ROSC	0	1	0	0	
								PLPA	1	0	0	0	
								BOGR	2	0	0	0	
								CAHE	4	0	0	2	
								SPCO	1	0	0	0	
								GIACO	1	0	0	0	

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Density

[illegible]

Recorder J. Leher, B. Gley
Data Entered By _____Page 12 of 20
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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	D	1	4	6	OPPO	4	19	0	0	
								CAHE	30	30	13	8	
								CHLE	1	0	1	0	
								SAIB	2	0	3	5	
								THTR	1	0	0	0	
								BOGR	1	1	0	1	
								SPCO	0	2	2	0	
ESA		8	05	D	1	4	7	SAIB	0	0	1	1	
								CHLE	1	0	1	2	
								BOGR	1	2	2	1	
								BYDA	1	0	0	0	
								CAHE	10	3	10	4	
								THTR	1	0	1	1	
						LI	5	SPCO	0	0	0	1	
ESA		8	05	D	1	4	8	THTR	0	0	1	0	
								SAIB	1	0	1	1	
								CRME	1	1	0	0	
								VHOC	2	0	2	2	
								BOGR	2	2	2	2	
								CAHE	6	3	3	2	

Recorder J. Palmer, B. Gley
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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	D	1	4	9	STCO	1	2	2	1	
								OPPO	12	1	11	41	
								SPCR	2	0	0	0	
								THTR	0	2	0	1	
								BOGR	2	1	2	2	
								SAIB	1	1	0	0	
								CHLE	2	0	0	0	
ESA		8	05	D	1	4	10	STCO	3	2	2	2	
								CHLE	0	0	0	1	
								BOGR	1	1	2	1	
								SAIB	1	0	1	5	
								THTR	1	1	0	0	
								ECVI	0	0	3	0	
ESA		8	05	D	1	3	10	OPPO	0	7	9	0	
								STCO	0	0	0	1	
								CHLE	1	0	0	1	
								STCO	1	3	1	1	
								BOGR	2	2	1	1	
								THTR	1	1	0	0	
								SAIB	0	2	0	0	

Recorder J. Pelzer, B. Gley

Data Entered By _____

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	D	1	3	9	MATR	0	1	0	1	
								STCO	1	1	3	3	
								SPCO	3	0	0	2	
								BOGR	2	2	1	2	
								CHHE	2	2	0	4	
								VWOL	0	1	4	0	
								MATA	0	2	0	0	
								CHLE	0	0	1	0	
								SAIB	0	0	1	0	
								ARFR	0	0	1	0	
ESA		8	05	D	1	3	8	STCO	0	1	1		
								CHLE	2	1	0	1	
								BOGR	1	1	0	2	
								ARLO	0	0	0	1	
								MATR	1	0	1	0	
								SIHY	0	0	1	1	
								CHHE	2	0	4	4	
								SAIB	0	1	2	1	

MELX 0 0 1 0

SPCO 0 0 1 0

Recorder J. Delmar B. Gey

Data Entered By _____

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	D	1	3	7	BOGR	3	4	3	2	
								VUC	2	0	0	0	
								CAHE	1	3	6	3	
								CHLE	1	0	0	1	
								SPCW	0	2	1	0	
								SAIB	0	1	0	0	
								LEDE	0	1	1	0	
ESA		8	05	D	1	3	6	OPPO	16	7	5	1	
								BOGR	2	2	2	2	
								SAIB	0	0	0	1	
								CAHE	6	6	9	2	
ESA		8	05	D	1	3	5	CHLE	0	0	0	0	
								SAIB	2	0	1	2	
								SPCW	8	4	7	7	
								VUC	1	1	0	0	
								CAHE	7	5	6	8	
								BOGR	1	3	3	1	
								ECVI	0	1	2	0	

JHTR 0 0 1 0

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Density

[illegible]

Recorder J. Peltner, B. Gley

Data Entered By _____

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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	D	1	3	2	ARFR	1	0	0	1	
								MILI	2	0	0	0	
								CITL	0	3	4	1	
								SECO	2	2	2	0	
								THTR	1	1	0	0	
								BOGR	2	2	2	1	
								CAHE	4	2	3	4	
								SAIB	3	0	6	2	
								ECVI	0	2	0	0	
								LEDE	0	1	0	0	
								ROSC	0	0	1	0	
								STCO	0	0	0	1	
ESA		8	05	D	1	3	1	STCO	1	1	0	2	
								CAHE	4	1	0	0	
								THTR	0	1	0	0	
								BOGR	1	2	2	0	
								SAIB	0	0	1	2	
								SHY	0	0	1	0	
								SPCO	0	0	0	1	

Recorder J. Pelmat Blakey
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Density

Quarter Plot

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	1	2	3	4	Notes
ESA		8	05	D	1	5	1	SRCO	2	8	0	3	
								SAIB	1	0	0	3	
								BOGR	2	3	3	2	
								CAME	10	5	10	10	
								CHLE	8	0	2	4	
								OPPO	0	0	0	4	
ESA		8	05	D	1	5	2	OPPO	8	6	19	8	
								BOGR	3	1	1	2	
								CAME	10	7	15	12	
								STHY	0	1	0	0	
								ARFR	0	0	1	0	
								SRCO	0	2	1	2	
								SAIB	0	0	0	1	
ESA		8	05	D	1	5	3	SRCO	0	3	3	2	
								SAIB	2	7	3	1	
								THTR	1	2	1	1	
								BOGR	2	3	2	1	
								LEDE	0	0	1	0	

Recorder J. Pelhar, B. Gley
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Density

Site	Data Type	Month	Year	Treatment	Rep	Transect	Plot	Species	Quarter Plot				Notes
									1	2	3	4	
ESA		8	05	D	1	5	4	EEVI	2	0	0	0	
								SPCO	5	3	2	2	
								THTR	2	0	0	0	
								BOGR	1	0	2	1	
								CAHE	8	15	8	12	
								OPPO	0	9	3	7	
								SAIB	0	1	2	2	
								STCO	0	0	0	1	
ESA		8	05	D	1	5	5	OPPO	24	19	12	12	
								ARLO	0	1	0	0	
								SIHY	1	0	2	1	
								CAHE	3	10	2	1	
								BOGR	1	3	2	2	
								SAIB	0	2	2	0	
ESA		8	05	D	1	5	10	CHLE	1	0	0	0	
								SAIB	1	1	2	1	
								BOGR	2	2	2	1	
								CAHE	5	7	0	6	

THTR 0 1 2
STCO 0 0 0 1

ARS Study #3 (ESA)

PI – Dan Milchunas

ARS Study #5 (ESR1)

Recorder J. Pelhar, B. Gley

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Density

[illegible]