Bring:

Clipboards

a. camping gear
b. name tags
c. contact information

FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MBB 01 (B)/M/C (circle one) (T1(1.5m)) or T2(3.5m) (circle one) Date: 4/26/13

Burn Unit: Milagra Recorders: OLSON / FORRESTAL Phenology:

Burn Status: circle one

00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: (01 -yr 03)

Phenological Stage:

Pnt	Tape	Species and substrate codes (highest to lowest)						Species Observed, not Intercepted
1	0.3	LOPE	VUBR					
2	0.6	BRDS	LOPE	BAPI	NASSE			
3	0.9	NASSE	LOPE	BAPI				
4	1.2	NASSE	BAPI	GAAP				
5	1.5	NASSE	BAPI					
6	1.8	NASSE	VUBR	BAPI				
7	2.1	NASSE	BRCA	LOPE	BAPI			
8	2.4	NASSE	CAPU					
9	2.7	ERCI						
10	3.0	NASSE	VUBR					
11	3.3	NASSE	BRCA	BAPI				
12	3.6	BRCA	LVAL	GAAP	NASSE			
13	3.9	LVAL	NASSE					
14	4.2	LOPE	VUBR	LVAL	NASSE			
15	4.5	NASSE	LVAL				?	
16	4.8	NASSE	LVAL					
17	5.1	NASSE	LVAL	GAAP				
18	5.4	BAPI	LVAL	NASSE				
19	5.7	LOPE	LVAL	NASSE				
20	6.0	NASSE	LVAL					
21	6.3	LOPE	VUBR	PLLA	NASSE			
22	6.6	AVBA	NASSE	LVAL				
23	6.9	LVAL	NASSE					
24	7.2	NASSE	LVAL					
25	7.5	NASSE						
26	7.8	NASSE	VUBR					
27	8.1	NASSE	PLLA	VUBR				
28	8.4	LVAL	PLLA	NASSE				
29	8.7	NASSE	PLLA					
30	9.0	NASSE						
31	9.3	ARCA	PLLA					
32	9.6	PLLA						
33	9.9	LOPE	LVAL	NASSE				
34	10.2	NASSE						
35	10.5	LOPE	VUBR	PLLA				
36	10.8	NASSE	PLLA					
37	11.1	NASSE	VUBR	ERCI				
38	11.4	NASSE	VUBR	LOPE	ANAR			
39	11.7	NASSE	LOPE					
40	12.0	BAPI	NASSE					
41	12.3	NASSE						
42	12.6	NASSE						
43	12.9	LOPE	NASSE					
44	13.2	NASSE						
45	13.5	VUBR	NASSE					
46	13.8	NASSE	FIGA	PLLA				
47	14.1	VUBR	NASSE					
48	14.4	NASSE	VUBR					
49	14.7	NASSE						
50	15.0	LOPE	NASSE					

side species on reverse

date entered & initials: 6/10/13

date checked & initials: 6/10/13

FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MBB 01 (B)/M/C (circle one) T1(1.5m) or T2(3.5m) (circle one) Date: 4-26-13

Burn Unit: Milagra Recorders: Olson, Torvestel Phenology:

Burn Status: circle one

00-PRE ___POST (01)-yr01 ___-yr02 ___-yr05 ___-yr10 Other: 01 -yr 03

Phenological Stage:

Pnt	Tape	Species and substrate codes (highest to lowest)						Species Observed, not Intercepted
1	0.3	NASSE	VUBR					
2	0.6	VUBR	ERCI	NASSE				
3	0.9	NASSE	LOPE					
4	1.2	LOPE	NASSE	VUBR				ESCA
5	1.5	NASSE	VUBR					DAPU
6	1.8	NASSE	VUBR					ACMI
7	2.1	NASSE	ERCI					CHAF
8	2.4	NASSE						GNCA
9	2.7	NASSE						POGL
10	3.0	NASSE	LOPE					SOAS
11	3.3	NASSE	LUAL	ANAR				SIMA
12	3.6	NASSE	LUAL	PLLA				BRDI
13	3.9	NASSE						SIGA
14	4.2	ANAR						MIAU
15	4.5	VUBR						POTE
16	4.8	NASSE						HYGL
17	5.1	BARE						SOOL
18	5.4	NASSE						BRMA
19	5.7	LOPE	ERCI					ELGL
20	6.0	LUAL	BRDI	NASSE				TRCA
21	6.3	LOPE	LUAL	GAAP				URPI
22	6.6	BRCA	LUAL	GAAP	NASSE			
23	6.9	LUAL	GAAP					
24	7.2	ARCA	LUAL	GAAP				
25	7.5	LUAL	NASSE	LOPE				
26	7.8	LUAL	GAAP	NASSE				
27	8.1	LOPE	VUBR	LUAL	ARCA			
28	8.4	NASSE						
29	8.7	NASSE	VUBR	PLLA				
30	9.0	LOPE	LUAL	PLLA	VUBR			
31	9.3	LUAL	OXAL					
32	9.6	LUAL	PLLA	LOPE				
33	9.9	LUAL	NASSE	BRDI				
34	10.2	BAPI	BRDI	NASSE				
35	10.5	BAPI	NASSE					
36	10.8	VUBR	NASSE					
37	11.1	NASSE	ARCA					
38	11.4	ARCA						
39	11.7	ARCA						
40	12.0	ARCA						
41	12.3	ARCA						
42	12.6	BARE						
43	12.9	ARCA						
44	13.2	ARCA						
45	13.5	ARCA						
46	13.8	ARCA	BAPI	BRCA				
47	14.1	ARCA	NASSE	ERLA				
48	14.4	AVBA	NASSE	VUMY				
49	14.7	LOPE						
50	15.0	NASSE						

date entered & initials: 6/10/13

date checked & initials: 6/10/13

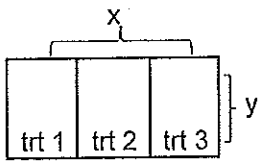
FMH-17-mod

LUPINE CENSUS DATA SHEET

scanned? ☐

Plot ID: MBB 01 (B/M/C (circle one))
Burn Unit: Milagra Recorders: Rebalander
Date: 4-26-12

Burn Status: circle one
00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: 01-yr03
Phenological Stage:



Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
3	LUAL	M		Y	658			tnf. in clump, assumed present
3	"	M		Y	659			tnf - ditto
3	"	M		Y	662			tnf - ditto
4	"	M		Y	665			tnf
5	"	M		Y	669			
5	"	M		Y	670			tnf
4	"	M		Y	674			tnf. assumed in clump
3	"	M		Y	680			tnf - ditto
4	LUAL	I	new	Y	515	1.4	10.4	growing in BART & LUAL
1	LUAL	M		Y	641			really close to 640

date entered & initials: 6/10/13

date checked & initials: 6/10/13

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments

scanned? ☐

LUPINE CENSUS DATA SHEET

FMH-17-mod

Date: 4-26-13

Plot ID: MBB01

(B)M/C (circle one)

Recorders: Rohlaender

Burn Unit: Milagra

x

trt 1	trt 2	trt 3

y

Burn Status: circle one

00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: 01-yr 03

Phenological Stage:

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
LUAL	5	M		Y	676			
LUAL	5	I	new	Y	2089	1.0	14.9	
LUAL	5	I	new	Y	272	0.9	13.4	
LUAL	5	I	new	Y	543	1.2	13.1	barely alive
LUAL	4	I	new	Y	2016	0.2	11.8	
LUAL	4	I	new	Y	483	0.7	11.4	
LUAL	4	M		Y	663			tnf - clump
LUAL	3	M		Y	2083			
|	3	M		Y	658			part of a clump
|	3	M		Y	657			
|	3	M		Y	645			
|	2	M		Y	643			lge clump, tag near 1.5m line
|	2	M		Y	640			640 & 641 looked to me like 1 plant
↓	1	M		Y	533	1.3	2.0	
LUAL	1	I	new	Y	637			tnf
↓	1	M		Y	486	2.2	2.4	
LUAL	1	I	new	Y	660			
|	2	M		Y	667			
↓	4	M		Y	462	3.4	8.9	
LUAL	3	I	new	Y	664			
↓	4	M		Y	527	2.3	9.45	
LUAL	4	I	new	Y	4994	2.3	9.50	
LUAL	4	I	new	Y	500	2.4	10.05	
|	4	|	|	|	501	2.4	10.1	
|	4	|	|	|	502	2.5	10.0	
|	4	|	|	|	503	2.1	10.4	
|	4	|	|	|	504	2.8	11.3	
↓	4	↓	↓	↓				

date entered & initials: 6/10/13

date checked & initials: 6/10/13

MBB 1B 2013 back of sheet 1

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
5	LUAL	M		Y	671			
4	↓	M		Y	668			
4	↓	--		N	666			tnf, pnf
5	↓	M		Y	679			
5	↓	–		N	678			tnf, pnf
4	↓	M		Y	675			
5	↓	–		N	677			pnf - pulled tag
4	↓	M		Y	673			
4	↓	M		Y	672			
4	LUAL	I	new	Y	505	4.7	11.3	
3	LUAL	M		Y	661			
3	LUAL	I	new	Y	506	9.8	8.0	} in BAPI
3	LUAL	I	new	Y	507	9.7	7.6	} in BAPI
3	↓	M		Y	650			large clump - 648 thru 652
3	↓	↓		Y	648			were all in a clump in '12
3	↓	↓		Y	649			assumed all still present + live
3	↓	↓		Y	651			
3	↓	↓		Y	652			
3	LUAL	I	new	Y	508	9.8	6.5	
3	↓	↓	↓	↓	509	9.7	6.4	
3	↓	↓	↓	↓	510	9.0	6.3	
3	↓	↓	↓	↓	511	9.1	6.1	
2	↓	M		Y	639			
2	↓	M		Y	638			
1	LUAL	I	new	Y	513	9.8	2.6	
1	LUAL	I	new	Y	514	9.4	2.3	
1	↓				641			
3	↓	M		Y	642			edge of huge clump
2	↓	↓		Y	644			"
2	↓	↓		Y	646			tnf - assumed in giant clump
2	↓	↓		Y	647			in giant clump
3	↓	↓		Y	653			tnf - assumed in giant clump
3	↓	↓		Y	654			edge of giant clump
3	↓	↓		Y	655			in clump

saw a female MBB!
near # 513 [illegible]

FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MBB 01 (B)M/C (circle one) T1(1.5m) or T2(3.5m) (circle one) Date: 5-7-13

Burn Unit: Milagra Recorders: Rehlaender Phenology:

Burn Status: circle one

00-PRE ___POST (01)-yr01 ___-yr02 ___-yr05 ___-yr10 Other: (01)-yr03

Phenological Stage:

Pnt	Tape	Species and substrate codes (highest to lowest)						Species Observed, not intercepted
1	0.3	NASSE						
2	0.6	NASSE	BRDS					
3	0.9	AVBA	OXAL					
4	1.2	NASSE						
5	1.5	ERBO						
6	1.8	LOMU	BRDS					
7	2.1	BRDS						
8	2.4	PLER	LIAL	ERCI	MOSS			
9	2.7	KOMA						
10	3.0	LOMU						
11	3.3	HYGL	SIGA					
12	3.6	BRDI	TRPU					
13	3.9	SIGA						
14	4.2	NASSE	ERBB					
15	4.5	NASSE	BRDI	PLER				
16	4.8	LOMU	VUBR					
17	5.1	BRDS						
18	5.4	ERBO						
19	5.7	BRHO	VUBR					
20	6.0	VUBR	AVBA					
21	6.3	AVBA						
22	6.6	LOMU	BRDI					
23	6.9	ERLA	FIGA	PLER				
24	7.2	FIGA						
25	7.5	PLER						
26	7.8	BARE						
27	8.1	FIGA						
28	8.4	BARE						
29	8.7	BARE						
30	9.0	FIGA						
31	9.3	BARE						
32	9.6	ROCK						
33	9.9	ROCK						
34	10.2	MOSS						
35	10.5	BRHO	PLER					
36	10.8	BRDS	MOSS					
37	11.1	BRDS	NASSE					
38	11.4	PLER						
39	11.7	BRHO	MOSS					
40	12.0	ERLA						
41	12.3	VUBR	AICA					
42	12.6	PLER						
43	12.9	ERLA	NASSE					
44	13.2	NASSE						
45	13.5	NASSE	VUBR					
46	13.8	CHPO						
47	14.1	VUBR						
48	14.4	ERCI						
49	14.7	NASSE						
50	15.0	BRHO						

date entered & initials: 5/21/13 5/23/13

date checked & initials: 5/21/13 5/23/13

FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MBB 10 B/M/C (circle one) T1(1.5m) or T2(3.5m) (circle one) Date: 5-1-13

Burn Unit: Milagra Recorders: Rehlaender Phenology:

Burn Status: circle one

00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: 01 -yr 03

Phenological Stage:

Pnt	Tape	Species and substrate codes (highest to lowest)					Species Observed, not Intercepted
1	0.3	NASSE					HEIN
2	0.6	NASSE					BRMX
3	0.9	BRDS					SOOL
4	1.2	ERBR	ANAR	VUBR			DUFA
5	1.5	LTR					RUAC
6	1.8	PLER					DAPU
7	2.1	ERBR	TRMA				ANAR
8	2.4	ERLA	(thru ERLA seedling)				Lotus w/ hairy lvs (dried)
9	2.7	PLER	BRDS				LUNA
10	3.0	NASSE	BRDS				TRCA
11	3.3	BRDS	LOMU				TRMA
12	3.6	LOMU					CLBE RU
13	3.9	NASSE					
14	4.2	LOMU					
15	4.5	VUBR					
16	4.8	LOMU	PLER	SIGA			
17	5.1	AVBA	ERLA	NASSE			
18	5.4	ERBO	LUAL				
19	5.7	NASSE	DAPU				
20	6.0	NASSE					
21	6.3	BRDI					
22	6.6	PLER					
23	6.9	MOSS					
24	7.2	LTR					
25	7.5	BRDS	ERBO				
26	7.8	PLER	HYGL	MOSS			
27	8.1	LTR					
28	8.4	BRDS					
29	8.7	LTR					
30	9.0	AVBA	NASSE				
31	9.3	NASSE					
32	9.6	SIGA					
33	9.9	LTR					
34	10.2	PLER					
35	10.5	BRDS	HYGL	NASSE			
36	10.8	LUAL	NASSE				
37	11.1	LUAL	NASSE				
38	11.4	LUAL					
39	11.7	VUBR					
40	12.0	BRHO	LUAL				
41	12.3	LUAL					
42	12.6	LUAL	NASSE				
43	12.9	VUBR	NASSE				
44	13.2	NASSE	LOMU				
45	13.5	ERLA					
46	13.8	NASSE	MOSS				
47	14.1	BRDI					
48	14.4	BRHO	NASSE				
49	14.7	NASSE					
50	15.0	NASSE					

LOWR ↓

Lomatium coll Lotus

some of the 'litter' hits were a cryptogamic sort of crust, + under some other hits... -leave as is bec no code at time of sampling.

date entered & initials: 5/21/13 5/23/13

date checked & initials: 5/21/13 5/23/13

FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MBB 01 (B)/M/C (circle one) T1(1.5m) or T2(3.5m) (circle one) Date: 4-26-13

Burn Unit: Milagra Recorders: Forrestel, Olson Phenology:

Burn Status: circle one

00-PRE ___POST 01-yr01 ___-yr02 ___-yr05 ___-yr10 Other: 01-yr03

Phenological Stage:

Pnt	Tape	Species and substrate codes (highest to lowest)						Species Observed, not Intercepted
1	0:3	NASSE						MAFA
2	0:6	NASSE						MIAN
3	0:9	NASSE						[redacted]
4	1:2	NASSE						CAAF
5	1:5	NASSE						ELGL
6	1:8	VUBR	NASSE					LVNA
7	2:1	NASSE	LOPE	GAMP	ERLA			STAJ
8	2:4	NASSE	ANAR					URPI
9	2:7	LOPE	NASSE	ANAR				CAEX
10	3:0	NASSE						PLER
11	3:3	BAPI	ACMI	BRCA				ARCA
12	3:6	BAPI	NASSE					ESCA
13	3:9	NASSE						FIGA
14	4:2	NASSE						AVBA
15	4:5	NASSE	LOPE					HYGL
16	4:8	NASSE	GAMP					MEPO
17	5:1	LOPE	NASSE	DAPU				FRVE
18	5:4	NASSE						RUUR
19	5:7	NASSE						CAPU
20	6:0	NASSE						DACA
21	6:3	NASSE						
22	6:6	NASSE	SIMA					
23	6:9	NASSE	BRCA					
24	7:2	BRCA	NASSE					
25	7:5	BRCA	VUBR	NASSE				
26	7:8	BRCA	NASSE					
27	8:1	NASSE	BRCA					
28	8:4	VUBR	BRCA	LUAL	NASSE			
29	8:7	NASSE	BRCA					
30	9:0	LUAL	NASSE					
31	9:3	NASSE						
32	9:6	VUBR	LOPE	NASSE				
33	9:9	LOPE	NASSE					
34	10:2	NASSE						
35	10:5	NASSE	LUAL	PLLA				
36	10:8	ERCI	NASSE					
37	11:1	NASSE	LOPE	BRDI				
38	11:4	VUBR	BRCA	NASSE				
39	11:7	LUAL	BRCA					
40	12:0	LOPE	ERCI					
41	12:3	NASSE	LOPE	GRIND	GRST			
42	12:6	NASSE	LOPE					
43	12:9	LOPE	BRDI	ERCI	NASSE			
44	13:2	NASSE	LOPE	VUBR				
45	13:5	LOPE	NASSE	LUAL				
46	13:8	LOPE						
47	14:1	LOPE	BRDI	LUAL	NASSE			
48	14:4	NASSE	LOPE					
49	14:7	LOPE	VUBR					
50	15:0	NASSE	BRCA					

date entered & initials: 6/10/13

date checked & initials: 6/10/13

FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MBB 01 B/M/(C) (circle one) T1(1.5m) or T2(3.5m) (circle one) Date: 4/26/13

Burn Unit: Milagra Recorders: OLSON, FARRESTAL Phenology:

Burn Status: circle one

00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other 01 -yr 03

Phenological Stage:

Pnt	Tape	Species and substrate codes (highest to lowest)						Species Observed, not Intercepted
1	0.3	NASSE						
2	0.6	NASSE	BAPI					
3	0.9	NASSE	BAPI					
4	1.2	BAPI	BRCA					side spp. on yellow
5	1.5	BAPI						
6	1.8	BAPI						
7	2.1	VUBR	BAPI	NASSE				
8	2.4	NASSE						
9	2.7	NASSE						
10	3.0	NASSE	LOPE					
11	3.3	LOPE	BRDI					
12	3.6	NASSE	BRCA					
13	3.9	LOPE	NASSE					
14	4.2	NASSE	SIGA					
15	4.5	NASSE						
16	4.8	NASSE	ERLA					
17	5.1	VUBR	NASSE					
18	5.4	NASSE						
19	5.7	NASSE	ANAR					
20	6.0	NASSE						GRIND= Grindelia stricta
21	6.3	BRCA						
22	6.6	BAPI	POTE					
23	6.9	BAPI	NASSE					
24	7.2	BAPI	NASSE					
25	7.5	BRCA	ERLA					
26	7.8	BRCA	NASSE					
27	8.1	VUBR						
28	8.4	LOPE	BRCA					
29	8.7	NASSE	BAPI					
30	9.0	NASSE						
31	9.3	NASSE	LUCO					
32	9.6	NASSE	LOPE	BAPI				
33	9.9	NASSE	LOPE					
34	10.2	LOPE	BAPI					
35	10.5	LOPE						
36	10.8	BRCA	NASSE	PLLA	DAPU			
37	11.1	NASSE	LOPE					
38	11.4	NASSE	ERLA					
39	11.7	NASSE						
40	12.0	BRCA	LOPE					
41	12.3	NASSE	GRIND=	GRST				
42	12.6	BRCA	NASSE					
43	12.9	NASSE	LOPE					
44	13.2	NASSE						
45	13.5	LOPE	VUBR	TRCA				
46	13.8	LOPE	PLLA					
47	14.1	LOPE	PLLA					
48	14.4	LOPE						
49	14.7	NASSE						
50	15.0	LOPE	PLLA					

date entered & initials: 6/10/13

date checked & initials: 6/10/13

FMH-17-mod

LUPINE CENSUS DATA SHEET

scanned? ☐

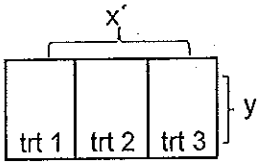
Plot ID: MBB 01 B/M/(C) (circle one) Date: 4-26-13

Burn Unit: Milagra Recorders: Rehkender

Burn Status: circle one

00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: 01 -yr 03

Phenological Stage: _____



Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
		—		N	789			pulled tag
		M		Y	756			
		M		Y	755			
		—		N	761			pulled tag
		M		Y	774			
		M		Y	775			
	LUAL	I	new	Y	523	10.6	11.5	
		M		Y	764			
		↓		Y	765			
		↓		Y	762			
		↓		Y	758			
		↓		Y	575			
		↓		Y	767			
		↓		Y	760			
		M	new	Y	525	13.0	10.7	small; in NAPU
		M		Y	759			
		↓		Y	754			
		↓		Y	757			
		↓		Y	751			
		↓		Y	750			
		↓		Y	782			
		↓		Y	784			
		↓		Y	781			
		↓		Y	777			
		↓		↓	773			
		↓		↓	776			
		↓		↓	779			

date entered & initials: JO 6/10/13

date checked & initials: JO 6/10/13

DPC 1

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
		M		Y	768			
		M		Y	770			
				N	790			pulled tag
				Y	778			
				Y	766			
				Y	753			
				Y	791			
				Y	771			
				Y	772			
				Y	752			
				Y	763			
				N	769			tmp. pnf
				Y	780			
				N	783	12.5	10,95	tmp
				Y	785			
				N	786			called part of same clump in '12 -
				N	787		tmp,	pnf should delete from db since not found '13
				Y	788			tmp, big clump
	LUAL	I	new	Y	528	14,3	13,3	

FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MBB 01 (B)M/C (circle one) T1(1.5m) or T2(3.5m) (circle one) Date: 4-26-13

Burn Unit: Milagra Recorders: Olson, Forrest Phenology:

Burn Status: circle one

00-PRE ___POST (01-yr01) ___-yr02 ___-yr05 ___-yr10 Other: (01-yr03)

Phenological Stage:

Pnt	Tape	Species and substrate codes (highest to lowest)						Species Observed, not Intercepted
1	0:3	BAPI						SOPS
2	0:6	BAPI						RUUR
3	0:9	VUBR	LOPE					CAPU
4	1:2	BARE						STAN
5	1:5	LOPE						LUNA
6	1:8	VUBR	NASSE	ANAR				MIAM
7	2:1	NASSE						CAAE
8	2:4	LOPE	NASSE					ESCA
9	2:7	LOPE	NASSE	ERCI	POTE			TRCA
10	3:0	LOPE	NASSE					FOVU
11	3:3	LOPE	NASSE	DAPU	VUBR			ERLA
12	3:6	NASSE	ANAR					SIMA
13	3:9	AVBA	NASSE					ELGL
14	4:2	LOPE	NASSE	LOWR	ERCI	VUBR		GNCN
15	4:5	NASSE						HIIN
16	4:8	NASSE						HYGL
17	5:1	LOPE						OXAL
18	5:4	NASSE	LOPE					FRVE
19	5:7	NASSE	LOPE	DAPU				GAAP
20	6:0	POTE	LOPE					
21	6:3	NASSE						
22	6:6	LOPE	ANAR					
23	6:9	NASSE						
24	7:2	NASSE	POTE					
25	7:5	LOPE	ERCI	VUBR				
26	7:8	LOPE						
27	8:1	LOPE	DAPU					
28	8:4	VUBR						
29	8:7	SIGA	LOPE					
30	9:0	PLLA	LOPE					
31	9:3	NASSE						
32	9:6	LOPE	NASSE	VUBR				
33	9:9	LOPE	ERCI					
34	10:2	PLLA	LOPE	VUBR				
35	10:5	ERCI						
36	10:8	VUBR						
37	11:1	LOPE	PLLA					
38	11:4	NASSE	PLLA					
39	11:7	BRCA	PLLA	GRASS				
40	12:0	NASSE						
41	12:3	LOPE	NASSE	VUBR				
42	12:6	NASSE	PLLA					
43	12:9	BARE						
44	13:2	NASSE						
45	13:5	LOPE	NASSE					
46	13:8	ERCI						
47	14:1	PLLA	ANAR					
48	14:4	LOPE	NASSE	PLLA				
49	14:7	NASSE	PLLA					
50	15:0	LOPE	PLLA					

enter GRASS as GRASS since no info

date entered & initials: 6/10/13

date checked & initials: 6/10/13

FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MBB 01 B/M/C (circle one) T1(1.5m) or T2(3.5m) (circle one) Date: 4/26/13

Burn Unit: Milagra Recorders: OLSON, FORRESTAL Phenology:

Burn Status: circle one

00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: 01-yr 03

Phenological Stage:

Pnt	Tape	Species and substrate codes (highest to lowest)						Species Observed, not Intercepted
1	0.3	NASSE	LOPE					
2	0.6	LOPE	NASSE					
3	0.9	NASSE	LOPE					
4	1.2	LOPE						
5	1.5	NASSE	LOPE					
6	1.8	NASSE						
7	2.1	LOPE	AVBA	ANAR				
8	2.4	LOPE	VUBR					
9	2.7	NASSE	LOPE					
10	3.0	NASSE	BAPI					
11	3.3	BAPI	LOPE					
12	3.6	LOPE	NASSE	ANAR				
13	3.9	NASSE	LOPE					
14	4.2	NASSE						
15	4.5	LOPE	VUBR					
16	4.8	NASSE	VUBR	BRDI				
17	5.1	LOPE	NASSE					
18	5.4	LOPE	ANAR					
19	5.7	LOPE						
20	6.0	LOPE	LUAL					
21	6.3	NASSE	LUAL					
22	6.6	NASSE	LUAL	LOPE				
23	6.9	LOPE	BAPI	VUBR				
24	7.2	NASSE	LOPE	BAPI				
25	7.5	BAPI	ANAR					
26	7.8	BAPI	LOPE					
27	8.1	BARE						
28	8.4	LOPE						
29	8.7	ARCA						
30	9.0	VUBR						
31	9.3	LOPE						
32	9.6	LOPE	BAPI	PLLA				
33	9.9	LOPE						
34	10.2	LUAL	NASSE					
35	10.5	PLLA	ERCI	BRDS				
36	10.8	BRDS	PLLA					
37	11.1	NASSE	LOPE					
38	11.4	VUBR						
39	11.7	NASSE	PLLA					
40	12.0	LUAL	OXAL	DAPU				
41	12.3	ERCI						
42	12.6	NASSE	BRCA					
43	12.9	NASSE	PLLA	VUBR				
44	13.2	LOPE	DAPU					
45	13.5	NASSE	ARCA					
46	13.8	ARCA						
47	14.1	ARCA	PLLA					
48	14.4	VUBR	NASSE					
49	14.7	BARE						
50	15.0	VUBR	NASSE					

side spp on reverse

date entered & initials: 6/10/13

date checked & initials: 6/10/13

M sheet 1 of 2

LUPINE CENSUS DATA SHEET, continued

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Plot ID: MBB 01 B(M)C (circle one) Date: 4/26/13

Burn status: 01 yr 03 Recorder initials: FORREST A., OLSON

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
	LUAL	M		Y	738			
	"	"		"	733			
	"	"		"	731			
	"	"		"	732			
	"	"		"	701			
	"	"		"	698			
	"	"		"	696			
	↓	↓		↓	717			tag # removed from database if tags pulled
	LUAL	I		Y	526	6.3	10.1	
	"	M		"	690			
	"	"		"	2046			
	↓	↓		↓	683			
	LUAL	I		Y	527	7	4.1	
1	↓	M		Y	748			
1	LUAL	I		Y	516	6	1.9	
2	"	I		Y	517	6	4.7	
2	"	I		Y	518	5.9	5.6	
2	"	M		Y	746			
1	"	M		Y	681			
2	"	NA		N	682			
2	"	M		Y	692			
4	"	M		Y	741			
4	"	M		Y	704			
4	"	M		Y	710			
4	"	M		Y	705			
4	"	M		Y	709			
4	"	M		Y	724			
5	"	M		Y	736			
5	↓	M		Y	737			
4	LUAL	M		Y	704			
4	LUAL	M		Y	705			

date entered & initials: EW 5/6/13 5/22/13

date checked & initials: 5/6/13 5/22/13

LUPINE CENSUS DATA SHEET, continued

scanned? ☐

Plot ID:_____ B/M/C (circle one) Date:_____

Burn status:_____ Recorder initials:_____

nterval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
	LUAL	M		Y	412			
					730			
					722			
					721			
					735			
					720			
	LUAL	I		Y	522	6.5	14.55	
		M			56			
					729			
					734			
					739			
					713			
	LUAL	M		N	712			pulled tag
				Y	725			
					714			
					706			
					707			
					715			
					708			
					702			
					703			
					697			
	LUAL	I		Y	524	8.1	10.2	
		M			695			
					690			
					691			
					747			
					688			
	?	?		N	686			pulled tags
	?	?		N	2047			
	LUAL	M		Y	687			

date entered & initials: 5/6/13

date checked & initials: 5/6/13

LUPINE CENSUS DATA SHEET, continued

scanned? ☐

Plot ID: NBB01 B/M/C (circle one) Date: 4/26/13

Burn status: 01 yr 03 Recorder initials: OLSON, FOR MICAL

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
4	LUAL	M		Y	709			
4	LUAL	M		Y	710			
Dead in 20	2 no	tag found			711			
"	"	"	"		716			
4	LUAL	M		Y	719			
4	LUAL	M		Y	718			
Dead in 2012	no tag found				723			
4	LUAL	M		Y	724			
Dead in 2012	no tag found				726			
[illegible]					727			couldn't find. could this be the same plant as 727? Data entry error? I don't see 727 on last years data sheet?
Dead in 20	2 no	tag found			728			
"	"	"	"		742			
"	"	"	"		743			
"	"	"	"		744			
"	"	"	"		745			
5	LUAL	M		Y	740			
Dead in 20	12 no	tag found			689			
	"		"		693			
	"		"		694			
	LUAL	M		Y	684			no tag found
	LUAL	NA		N	685			tag pulled
	LUAL	M		Y	699	5.4	10.8	old coordinates wrong
	LUAL	M		Y	700			
	LUAL	I		Y	529	6.6	11.2	
	LUAL	I		Y	530	7.8	8.9	
3	LUAL	I		Y	519	5.2	7.2	
3	LUAL	I		Y	520	5.5	6.2	
3	LUAL	I		Y	521	5.35	8.9	
4	LUAL	I		Y	532	5.35	11.8	
5	LUAL	I		Y	531	8.3	13.90	
2	LUAL	I		Y	533	9.2	3.8	

date entered & initials: EO 5/6/13

date checked & initials: [illegible] 5/16/13

scanned? ☐

LUPINE CENSUS DATA SHEET, continued

Plot ID:__________________ B/M/C (circle one) Date:_______________

Burn status:_______________ Recorder initials:_________________________

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments

date entered & initials: ________

date checked & initials: ________

scanned? ☐

LUPINE CENSUS DATA SHEET, continued

Plot ID: MBB 02 (B/M/C (circle one)) Date: 4.25.13

Burn status: 01,03 Recorder initials: Crooker

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
	LUAL	M	—	Y	284			
	LUAL	M		Y	290			
	LUAL	M		Y	286			
	LUAL	M		Y	291			
	LUAL	M	NEW	Y	419			
	LUAL	M		Y	304			
	LUAL	M	NEW	Y	420			
	LUAL	M		Y	303			
	LUAL	M		Y	302			
	—	—	—	N	270			
	LUAL	M		Y	283			
	—	—	—	N	309			missing tag
	—	—	—	N	585			
	*		Cant	find	263			
					287			
					288			
		—		N	587			was immature in '12
		—		N	272			
		—		N	277		LUVA	dead 3 yrs.
		—		N	307			
		—	↓	↓ N	312			
	LUAL	I	NEW	Y	423	0.6	1.1	
	LUAL	I	NEW		424	0.6	1.5	

* if species not recorded, use same as it was last year

date entered & initials: 5/24/13

date checked & initials: 5/24/13

sheet __ of __

LUPINE CENSUS DATA SHEET, continued scanned? ☐

Plot ID: MBB02 B/M/C (circle one) Date: _____

Burn status: 01 4 car 3 Recorder initials: _____

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments

date entered & initials: _____

date checked & initials: _____

FMH-17-mod

LUPINE CENSUS DATA SHEET

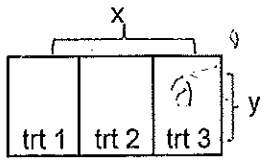
Plot ID: MBB 02 (B)M/C (circle one) Date: 4-24-13

Burn Unit: Millaga Recorders: Crooker

Burn Status: circle one

00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: 01-yr 03

Phenological Stage: _____

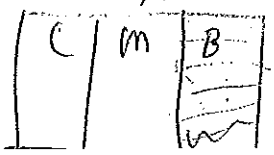


Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	How do mature counts line up with 09 & 10 counts?
	LUAL	M	N	Y	301			
	LUAL	M	N	Y	300			
	LUAL	M	N	Y	297			
	"	M	N	Y	296			
	"	M	N	Y	295			missing tag
	"	m	n	y	294			
	"	m	n	y	293			
	"	m	n	y	583			
	"	m	n	y	292			
	"	m	n	n	305			
	"	m	n	n	306			
	~~LUVA~~	~~m~~	~~n~~	y	~~432~~	0.5	~~4.0~~	~~need tag~~
	LUVA	m	n	y	280			
	LUVA	m	n	y	274			
	~~LUAL~~	~~I~~	~~N~~	y	~~416~~	0.2	3.5	~~need tag~~ ignore - listed on reverse
NEW	LUAL	m	N	y	276			
NEW	LUAL	I	N	y	421*	.75	3.2	need tag
	LU?	—	N	N	261			
	LUAL	m	N	Y	262			
	LUVA	M	N	Y	260			
	LUVA	I	N	Y	*	0.1	1.0	need tag
	LUVA	M	N	Y	310			
	LU?	—	—	D	258			not on last years data
	LUAL	m	N	Y	257			
NEW	LUAL	I	N	Y	422*	0.15	0.32	need tag
	~~LUVA~~	~~I~~	~~N~~	~~Y~~	~~424~~	~~.75~~	1.55	need tag
	LUAL	M	N	Y	275			

date entered & initials: 5/24/13

date checked & initials: 5/24/13

3.5 x 1.5



interval

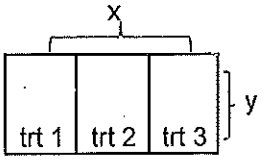
Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	How do mature counts line up with 09 & 10 counts?
	LUAL	M		Y	259			1 mob egg on pod
	LUAL	I	new	Y	406	1.55	3.05	
	LUAL	M		Y	273			
	LUAL	M		Y	266			
	LUAL	—		N	279			
	LUAL	M		Y	275			is this a duplicate?
	LUAL	I	new	Y	409	2.1	5.1	
	LUAL	I	new	Y	407	2.5	4.7	
	LUAL	I	new	Y	408	1.9	4.4	
	LUAL	I	NEW	Y	410	2	5.4	
	LUAL	—	-	N	584			
	LUAL	M		Y	282			
	LUAL	M		Y	283			
	LUAL	M		Y	286			
	LUAL	I	new	Y	412	2.1	8.4	
	LUAL	I	new	Y	414	1.6	9.25	
	LUAL	M		Y	289			
	LUAL	M		Y	299			
	LUAL	I	new	Y	415	1.8	9.85	
	LUAL	—	—	D	298			
	LUAL	I	new	Y	416	1.9	12.7	
	LUAL	I	new	Y	418	0.6	3.7	
	LUVA	M		Y	268			
	LUAL	M		Y	264			
	LUAL	—	—	N	267			
	LUAL	—	—	N	269			
	LUVA	—	—	N	586			
	LUAL	M		Y	271			
	LUAL	M		Y	265			
	LUAL	M		Y	311			
	LUAL	M		Y	313			
	LUAL	M		Y	281			
	LUAL	M		Y	278			

FMH-17-mod

LUPINE CENSUS DATA SHEET

Plot ID: MBB 02 B/M/C (circle one) Date: 4-25-13
Burn Unit: Milagra Recorders: Crooker + Kwan

Burn Status: circle one
00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: 01-yr03
Phenological Stage:



Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	How do mature counts line up with 09 & 10 counts?
1	LUVA	I	NEW	Y	425	11.4	1.2	
1	LUVA	M		Y	379			
1	LUVA	M		Y	221			
1	LUAL	M		Y	385			
1	LUVA	M		Y	378			
	—	—		N	444			
(2)	LUAL	—		N	875			
2	LUAL	M		Y	399			
2	LUAL	M		Y	394			
2	LUAL	I	NEW	Y	426	11.3	4.8	
2	LUAL	M		Y	413			
3	LUAL	M		Y	422			
3	LUAL	I	NEW	Y	101	10.6	6.9	
3	LUAL	M		Y	420			
3	LUAL	M		Y	424			
3	LUAL	M		Y	430			
	LUAL	I	NEW	Y	402	(10.8)	(7.3)	
4	LUAL	M		Y	440			
5	LUAL	I	NEW	Y	103	10.1	14.9	
1	LUVA	M		Y	874			
1	LUVA	M		Y	376			
1	LUAL	M		Y	380			
1	LUVA	I	NEW	Y	431	12.9	0.45	
	—	—		D	2564			
1	LUAL	M	NEW	Y	104	12.9	1.8	
1	LUVA	I	NEW	Y	573	7.5	1.5	
	LUVA	I	NEW	Y	432	12.9		

10 M - pulled tag #634 MBB10C

could not locate tag too low! could not locate tag " " " "

date entered & initials: 4/29/13 4/10/13

date checked & initials: 4/29/13 4/10/13

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	How do mature counts line up with 09 & 10 counts?
1	LUVA	I	NEW	Y	572	13.3	1.5	
1	LUVA	I	NEW	Y	571	13.4	1.5	
1	LUVA	I	NEW	Y	570	13.75	1.7	
1	LUVA	I	NEW	Y	105	13.3	1.7	
1	LUAL	M		Y	392			
1	LUVA	M		Y	10			
	—	—	—	N	391			
	—	—	—	N	11			
	LUAL	M	—	Y	402			— check
	LUVL	M		Y	403			
	LUAL	M		Y	415			too big to find tag
	LUAL	M	—	Y	416			too big to find tag
	LUAL	M	—	Y	417			
	LUAL	M		Y	421			
3	LUAL	I	NEW	Y	569	12.3	7.3	
	LUAL	M	—	Y	423			too big to find tag
	LUVA	M		Y	429			
	LUVA	M		Y	433			
4	LUAL	M	NEW	Y	578	11.9	11.8	
	LUVA	M		Y	13			
5	LUVA	M	NEW	Y	577	13.8	13.2	
5	LUVA	M	NEW	Y	576	13.4	13.05	
	LUAL	M		Y	405			
	LUVA	M		Y	393			
	LUVA	M		Y	450			
	LUVA	M		Y	397			
5	LUAL	I	NEW	Y	580	0.45	13.85	
	LUVA	M		Y	406			
	LUAL	M		Y	398			
	LUVA	M		Y	408			
	LUVA	M		Y	409			
2	LUVA	—	—	N	14			
	LUVA	M		Y	428			

LUPINE CENSUS DATA SHEET, continued scanned? ☐

Plot ID: MBB 02 B/M/(C) (circle one) Date: 4-25-13

Burn status: 01 yr 03 Recorder initials: WR

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
5	LUVA	I	new	Y	581	13.7	14.1	
5	LUVA	I	new	Y	582	14.2	13.6	
5	LUVA	I	new	Y	579	13.9	13.3	
1	LUAL	M		Y	387			tnf
(2)	"	–		N	388			tnf, pnf
1	"	M		Y	407			
2	"	M		Y	411			
5	"	M		Y	435			large clump - assumed present same as above
4	"	M		Y	434			
5	LUVA	M		Y	442			

date entered & initials: 4/29/13 JD 6/10/13

date checked & initials: 4/29/13 JD 6/10/13

LUPINE CENSUS DATA SHEET, continued scanned? ☐

Plot ID: MBB 02 B/M/C (circle one) Date: 4-25-13

Burn status: 01yr03 Recorder initials: RK

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
2	LUVA	M		Y	436			
2	LUVA	M		Y	437			
2	LUVA	M		Y	449			
5	LUVA	M		Y	2015			
2	LUVA	M	NEW	Y	574	14.8	5	
3	LUAL	I	NEW	Y	580	14.3	6.9	
4	LUVA	M		Y	451			
4	LUVA	M		Y	452			
4	LUVA	—	—	N	445			
4	LUVA			Y	446			
5	LUVA			Y	447			
2	LUVA	—	—	N	12			
2	LUVA	M		Y	396			
1	LUVA	I		Y	427			
2	LUVA	—	—	N	438			
(5)	LUVA			?	441			CAN'T FIND
5	LUVA	M		Y	448			

441 was alive last year, so we should check again for now enter as "N"

date entered

& initials: EO 4/29/13

JO 6/10/13

date checked

& initials: EO 4/29/13

JO 6/10/13

LUPINE CENSUS DATA SHEET, continued

scanned? ☐

Plot ID:_____ B/M/C (circle one) Date:_____

Burn status:_____ Recorder initials:_____

nterval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments

date entered & initials:

_____

date checked & initials:

_____

FMH-17-mod

LUPINE CENSUS DATA SHEET

Plot ID: MBB 02 B(M)C (circle one) Date: 4-25-13

Burn Unit: Milagra Recorders: Rehlaender

Burn Status: circle one

00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: (01-yr03)

Phenological Stage: ______

trt 1 | trt 2 | trt 3 (x, y)

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	How do mature counts line up with 09 & 10 counts?
1		M		N	316			
		M		Y	315			
		~~M~~		~~N~~	~~365~~			~~pnf = plus [illegible]~~
		~~M~~		~~Y~~	~~363~~	on	sheet 4	apparently found by JO (sheet 4)
		M		Y	327			
		M		Y	370			
		M		Y	368			
		M			[illegible]			
		M		Y	372			
		M		Y	589			
		M		Y	314			
		M		Y	593			
		—		N	594			pnf
		M		Y	386			
	LUAL	I		Y	413	5.2	3.9	new plant
	LUAL	I		Y	419	5.5	5.7	new plant
				N	596			pnf
		M		Y	334	6	6.9	tlif
		M		Y	595			
	LUVA	M	NEW	Y	#2029	5	11	tnf ?
		M		Y	359			
	LUAL	M		Y	326			
		M		Y	330			
		M		Y	425			
		M		Y			10.5	tnf ~~x~~ assumed 343 huge
		I		N	600			
		M		Y	408			

sorry I left blanks for tag #'s - no plant has x,y of 5,11 and not sure what the x=10.5 huge clump was

5/17/13

date entered & initials: [initials] 4/29/13

date checked & initials: [initials] 4/29/13

MBB02 M back of sheet 1
2013

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	How do mature counts line up with 09 & 10 counts?
		M		Y	597			
		M		Y	34[illegible]			
		M		Y	451			not on list
		M		Y	598			
		M		Y	338			
					432			
	LUVA	M		Y	199	8.3	6.6	tnf small but not tiny
		↓		Y	337			
		↓		Y	426			
		↓		Y	333			
		↓		Y	395			
		—		N	595			pnf
		Y		Y	331			
		—		N	590			
		M		Y	591			
		M		Y	592			
		—		N	329			
		M		Y	325			
		↓		N	(361)			pnf ←
		↓		Y	323			
		↓		Y	377			
		—		N	322			
		M		Y	319	6.6	1.5	[illegible]
		↓		Y	588			
		↓		Y	318			
					389			
~~	~~	~~—~~	~~	~~N~~	~~371~~	~~	~~	~~pnf~~ found on page #4
		M		Y	3			
		↓		Y	362			
		↓		Y	2025			
		↓		Y	314			
		↓		Y	321			
		—		N	373			pnf
		M		Y	3[illegible]			

LUPINE CENSUS DATA SHEET, continued

scanned? ☐

Plot ID: MBB 2 B/M/C (circle one) Date: 4/25/13

Burn status: 01 YR03 Recorder initials: OLSON

*May have repeat data

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
3	LVAL	I		Y	497	8.5	7.1	
2	LVAL	I		Y	498	9.7	3.6	
1	"	—		N	~~382~~	6.8	2.4	-Missing tag
2	"	—		N	383	8.1	3.35	
2	"	M		Y	386	5.3	4.2	
2	"	M		Y	391	6.4	5.2	
2	"	M		Y	395	6.9	5.45	
4	"	M		Y	400	6.75	9.05	
3	"	—		N	404	5.7	7.55	-Missing tag
2	"	—		N	410	7.9	4.6	-Missing
2	"	—		N	412	7.8	4.5	-Missing
2	"	—		N	390	9.4	3.8	Missing
3	"	M		Y	414	5.05	7.55	
2	"	—		N	418	8.6	4.95	
2	"	M		Y	419	8.4	4	
5	"	M		Y	425	7.5	12.8	
2	"	M		Y	426	8.1	5.9	
4	"	M		Y	431	7.75	9.1	
3	"	M		Y	432	7.5	6.75	
3	"	M		Y	439	8.7	8.3	
1	"	M		Y	588	7.4	1.2	
2	"	M		Y	589	6.3	3	
1	LVVA	M		Y	314	10	1	
1	"	M		Y	315	5.6	0.4	
1	"	M		Y	317	6.6	1.05	
1	"	M		Y	318	6.7	1.2	
1	"	M		Y	320	9.6	2	
1	"	M		Y	321	9.8	1.75	
1	"			N	~~344~~	9.8	1.7	Missing tag
1	"			N	346	9.1	2.3	
1	"			N	348	10	2.35	

date entered & initials: _____

date checked & initials: _____

LUPINE CENSUS DATA SHEET, continued scanned? ☐

Plot ID: MBB 2 B/M/C (circle one) Date: 4/24/13

Burn status: MILAGRA 01 YR3 Recorder initials: OLSON

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
3	LUAL	I	NEW	Y	466	5.5	8.95	
4	LUAL	I		Y	467	5.8	9	
4	LUVA	I		Y	468	5.6	9	
4	LUVA	I		Y	469	5.5	9.7	
4	LUAL	I		Y	470	5.8	9	
4	LUAL	I		Y	475	6.2	9.9	
4	LUAL	I		Y	471	6.7	9.25	
3	LUAL	I		Y	472	7.6	8.7	
3	LUAL	I		Y	473	7.5	8.5	
3	LUAL	I		Y	476	7.1	8	
3	LUAL				478	7.90	7.85	
3	LUAL				479	8.40	7.75	
3	LUAL				480	8.4	7.65	
3	LUAL				481	8.4	7.60	
3	LUAL				482	8.4	7.60	
2	LUAL	I			474	8.1	4.6	
2	LUAL	I			477	8.4	4.2	
1	LUAL	I			483	8.6	1.4	
1	LUAL	I			484	8.6	2.2	
1	LUAL	I			485	8.6	2.45	
2	LUAL				486	9.1	4.85	
2	LUAL				487	8.9	4.45	
2	LUAL				488	8.8	4.35	
2	LUAL				489	8.8	4.60	→ near #353
2	LUAL				490	9.2	4.60	
3	LUAL				491	9.2	6.4	
3	LUAL				492	9.2	7	
4					493	8.7	8	
4					494	8.6	8	
4					495	8.9	8.1	
4					496	8.5	8.4	

these first ones might be new, when I was having you tag babies for me - please write "new" on sheet if so

date entered

initials: 4/29/13

date checked

initials: 4/29/13

back of sheet 2

scanned? ☐

LUPINE CENSUS DATA SHEET, continued

Plot ID: MBB 02 B/M/C (circle one) Date:

Burn status: 2013 Recorder initials:

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
				N	369			tnf, pnf
				Y	374			
				N	375			tnf, pnf

date entered & initials: ________

date checked & initials: ________

LUPINE CENSUS DATA SHEET, continued scanned? ☐

Plot ID: MBB 02 B/M/C (circle one) Date: 4.25.13

Burn status: 01 yr 03 Recorder initials: WR

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
		M		Y	332			
		M		Y	350			
		—		N	418			pnf
		—		N	2044			pnf
		M		Y	336			
		↓		Y	353			
		↓		Y	359			
		↓		Y	429			
		↓		Y	356			
		↓		Y	2074			
		M		Y	207			
		—		N	324			pnf, tnf
		M		Y	328			no tag, assumed they counted as part of a larger plant as #328, bec. both obviously separate
		M		Y	335			
		↓		Y	339			tnf - big clump
		↓		Y	340			"
		↓		Y	355			"
		↓		Y	342			huge clump
		↓		Y	343			tnf - assume in clump w/342
		—		N	2078			
		—		N	345			tnf, pnf
		—		N	347			tnf, pnf (BAPI there now)
		—		N	351			pnf
		M		Y	352			
		—		N	356			tnf, pnf
		M		Y	357			just outside of a big clump
		—		N	360	pnf, tnf		
		M		Y	367			
		M		Y	368			

date entered & initials: 4/29/13

date checked & initials: 4/29/13

LUPINE CENSUS DATA SHEET, continued

scanned? ☐

Plot ID: MM02 B/M/C (circle one) Date: 4/25/13

Burn status: 01 YR03 Recorder initials: OLSON

ok

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
4	LWA	M		Y	356	9.4	9.55	
1	〃	M		Y	363	5.8	1.4	
1	〃	–		N	364	5.3	1.55	missing tag
1	〃	M		Y	365	5.7	1.4	
1	〃	–		N	366	9.7	1.6	missing tag
1	〃	M		Y	371	8.9	0.7	
5	↓	M		Y	599	8.7	13.1	

date entered & initials: 4/29/13

date checked & initials: 4/29/13

FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MRB 03 (B)/M/C (circle one) T1(1.5m) or T2(3.5m) (circle one) Date: 4/24/13

Burn Unit: MIRAMA Recorders: C. Crooker & N. Lorbeau Phenology:

Burn Status: circle one

00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: 01-yr 03

Phenological Stage:

Pnt	Tape	Species and substrate codes (highest to lowest)						Species Observed, not Intercepted
1	0.3	VUBR	LODR					~~ERIO~~
2	0.6	NAPU	PLA	VUBR				ANAR
3	0.9	PLA	VUBR					VISA
4	1.2	TRCA						TRPU
5	1.5	TRCA	VUBR					CADE
6	1.8	PLA	VUBR					SIGA
7	2.1	ASGA	PLA	VUBR				SOAS? ← ok
8	2.4	BRCA	VUBR					GN...? = GNAPH
9	2.7	NAPU	TRCA	VUBR				~~CHPO~~
10	3.0	VUBR	BAPI	DAPU				~~FRPE~~
11	3.3	NAPU						HYGL
12	3.6	VUBR	LOWR					GEMO
13	3.9	LUAL	ERCI	VUBR				LONU
14	4.2	BAPI	BRDS	VUBR				MEPO
15	4.5	VUBR						
16	4.8	NAPU	LUAL					
17	5.1	LUAL	GAAP					
18	5.4	NAPU						
19	5.7	LUAL						
20	6.0	LUAL	NAPU					
21	6.3	VUBR						
22	6.6	VUBR						
23	6.9	ERVE						
24	7.2	NAPU	LUAL					
25	7.5	LUAL						
26	7.8	LUAL	BRCA					
27	8.1	BRCA	LUAL					
28	8.4	ARCA						
29	8.7	ARCA						
30	9.0	NAPU						
31	9.3	NAPU						
32	9.6	NAPU						
33	9.9	ARCA	VUBR					
34	10.2	BAPI	ELGL					
35	10.5	TRCA	AVBA	VUBR				
36	10.8	TRCA	BAPI-D					
37	11.1	LUCO	TRCA	VUBR				
38	11.4	ARCA						
39	11.7	ARCA						
40	12.0	Base						
41	12.3	BRDS	TRCA					
42	12.6	BRDS	TRCA					
43	12.9	BRDS	NALE	Carex				
44	13.2	VISA	TRCA	BRDS				
45	13.5	BRDS	BAPI					
46	13.8	CHPO	BRDS	Carex				
47	14.1	ARCA	TRCA					
48	14.4	NALE	~~LOCO~~ LUCO					
49	14.7	Base						
50	15.0	NALE	VUBR					

date entered & initials: 5/6/13

date checked & initials: 5/6/13

FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MBB 03 (B)/M/C (circle one) T1(1.5m) or (T2(3.5m)) (circle one) Date: 4/24/13

Burn Unit: Milagra Recorders: N. [illegible], Crooker Phenology: ______

Burn Status: circle one

00-PRE ___POST (01-yr01) ___-yr02 ___-yr05 ___-yr10 Other: (01-yr03)

Phenological Stage: ______

Pnt	Tape	Species and substrate codes (highest to lowest)						Species Observed, not Intercepted
1	0.3	VUBR						
2	0.6	NAPU	PLER					
3	0.9	LOWR	VUBR					
4	1.2	VUBR	NAPU					
5	1.5	NAPU						
6	1.8	NAPU						
7	2.1	VUBR						
8	2.4	NAPU	AVBA					
9	2.7	NAPU						
10	3.0	NAPU	VUBR					
11	3.3	VUBR	NAPU					
12	3.6	NAPU	VUBR					
13	3.9	ERCI	NAPU					
14	4.2	BAPI						
15	4.5	BAPI	BRCA	NAPU				
16	4.8	BRCA	BAPI	VUBR				
17	5.1	ERLA						
18	5.4	NAPU	BAPI					
19	5.7	NAPU						
20	6.0	NAPU						
21	6.3	NAPU	ERLA					
22	6.6	NAPU						
23	6.9	NAPU						
24	7.2	NAPU	BRDS	VUBR				
25	7.5	VUBR						
26	7.8	ARCA-D	NAPU					
27	8.1	ARCA-D						
28	8.4	ARCA-D						
29	8.7	NAPU						
30	9.0	ARCA	ERLA					
31	9.3	ARCA						
32	9.6	LUAL	ARCA	Galium = GAPA				
33	9.9	LUAL						
34	10.2	LUAL	NAPU	Galium = GAPA				
35	10.5	NAPU						
36	10.8	NAPU	VUBR					
37	11.1	NAPU	FIGA					
38	11.4	LUAL	NAPU	TRCA	VUBR			
39	11.7	BARE						
40	12.0	BRCA	BRDS					
41	12.3	BAPI	VUBR					
42	12.6	NAPU	BAPI					
43	12.9	NAPU	BAPI					
44	13.2	NAPU	BRDS					
45	13.5	NAPU	TRCA					
46	13.8	NAPU	VUBR					
47	14.1	ERCI	VUBR					
48	14.4	VUBR						
49	14.7	AVBA	VUBR	BRDS				
50	15.0	BRDS	BAPI	VUBR				

Y bl[illegible]oid

Y mycros

Y lemma >2m [illegible] <1

← believe this is what we later identified as GAPA

date entered & initials: [initials] 5/6/13

date checked & initials: [initials] 5/6/13

FMH-17-mod

LUPINE CENSUS DATA SHEET

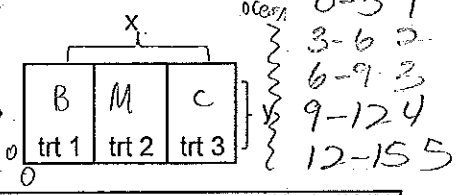
scanned? ☐

Plot ID: MBB 0.3 (B/M/C (circle one))
Burn Unit: Milagra
Recorders: Forrestal
Date: 4/24/13

01-YR3

Burn Status: circle one
00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: 01-yr03

Phenological Stage: _____



Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
1	LUAL	M		Y	2087			
1	LUAL	M		Y	2088			
1	LUAL	I	NEW	Y	761	0.9	3.7	
1	LUAL	M		Y	2085			
2	LUAL	M		Y	2086			
2	LUAL	I	NEW	Y	130	1.0	3.9	
2	LUAL	I	NEW	Y	27	.4	5.3	
2	LUAL	M		Y	2096			
3	LUAL	M		Y	2098			couldn't find tag
4	LUAL	M		Y	3907			couldn't find tag
5	LUAL	M		Y	3912			
5	LUAL	M		Y	3921			
5	LUAL	M		Y	3922			
5	LUAL	M		Y	3926			
5	LUAL	M		Y	3925			
5	LUAL	M		Y	3924			
5	LUAL	M		Y	3923			
5	LUAL	M		Y	3917			couldn't find tag
4	LUAL	M		Y	3916			
4	LUAL	M		Y	3911			
4	LUAL	M	NEW	Y	52	3.1	10.5	
4	LUAL	M		Y	3909			
4	LUAL	M		Y	3910			
4	LUAL	M		Y	456			
4	LUAL	M		Y	3908			
3	LUAL	I	NEW	Y	18	3.5	8.65	
3	LUAL	I	NEW	Y	149	2	7.8	

.2x 3,45y; interesting plant

JO - what does this mean?

New plants were tagged on 5-7-13, by JO & WR, since we did not have tags on 4-24; JO found 2 additional new

date entered & initials: 6/10/13

date checked & initials: 6/10/13

MBB 3B 2013 back of sheet !

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
3	LUAL	M		Y	3903			
3	LUAL	M		Y	3901			
3	LUAL	M		Y	2100			
3	LUAL	M		Y	2099			
2	LUAL	M		Y	2095			
2	LUAL	M		Y	2092			
2	LUAL	M		Y	2090			
2	LUAL	I	NEW	Y	790	3.8	5	
3	LUAL	M		Y	3906			
3	LUAL	M		Y	3905			
3	LUAL	M		Y	3904			
4	LUAL	M		Y	3918			
4	LUAL	M		Y	3919			
4	LUAL	M		Y	3913			
4	LUAL	M		Y	3915			
4	LUAL	M		Y	3914			tag missing
5	LUAL	M		Y	201			
5	LUAL	M		Y	202			
2	LUAL	I	NEW	Y	761	1.2	3.75	
2	LUAL	M		Y	2091			
2	LUAL	M		Y	2093	1.6		*: coordinate incorrect in database
2	LUAL	M		Y	2097			
	LUAL	M		N	3902			
	LUAL	M		Y	3916			
	?	?		N	3920			nothing left but tag - pulled tag
	MISSING	PRESUMED	DEAD		2094			in
1	LUAL	I	NEW	Y	459	3	2.9	
3	LUAL	I	NEW	Y	460	1.1	6.8	

FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MBB 03　B/M/(C) (circle one)　(T1(1.5m)) or T2(3.5m) (circle one)　Date: 4-24-13

Burn Unit: Milagra　Recorders: N. LeBeau　Phenology: ____

Burn Status: circle one

00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 (Other: 01 -yr 03)

Phenological Stage: ____

Pnt	Tape	Species and substrate codes (highest to lowest)					
1	0.3	NAPU					
2	0.6	ARCA					
3	0.9	LIT					
4	1.2	ARCA	CAAE				
5	1.5	ARCA					
6	1.8	NAPU					
7	2.1	VUBR					
8	2.4	LOPE	PLLA	VUBR			
9	2.7	ARCA	NAPU	PLLA			
10	3.0	ARCA	BAPI	SADO			
11	3.3	NAPU					
12	3.6	BAPI	NAPU				
13	3.9	NAPU	SADO				
14	4.2	LUCO	VUBR	BRCA			
15	4.5	VUBR					
16	4.8	NAPU	MIAU				
17	5.1	MIAU	SACR				
18	5.4	MIAU					
19	5.7	MIAU					
20	6.0	BAPI	SADO				
21	6.3	BAPI					
22	6.6	BAPI	ARCA				
23	6.9	ARCA					
24	7.2	NALE					
25	7.5	rock					
26	7.8	ARCA					
27	8.1	ARCA					
28	8.4	ARCA					
29	8.7	ARCA	LUAL				
30	9.0	LUAL	ARCA				
31	9.3	bare					
32	9.6	NAPU	NAPU				
33	9.9	VUBR					
34	10.2	bare					
35	10.5	LUAL					
36	10.8	LUAL					
37	11.1	BAPI					
38	11.4	BAPI-D					
39	11.7	ELPE					
40	12.0	bare					
41	12.3	AXAL					
42	12.6	BAPI	BRCA				
43	12.9	BRCA	BAPI				
44	13.2	ELPE					
45	13.5	NAPU	BAPI				
46	13.8	LIT					
47	14.1	LUAL					
48	14.4	bare					
49	14.7	NALE					
50	15.0	NALE	BAPI				

Species Observed, not Intercepted

- RHCA
- STA?
- FRAE
- ~~[illegible]~~
- ~~[illegible]~~
- ESCA
- SIMA
- AVBA
- CHPO
- ~~[illegible]~~
- Melica
- VISA
- CASU
- ~~[illegible]~~
- FIGA
- CAPY
- CYSC
- GBDI
- HYRA
- GNCN
- URPI Ranunculus ok
- ~~[illegible]~~ mechanical
- RUAC
- ACMI
- BRHO
- TRCA
- ~~ELUA~~ ← ELGL
- ~~CAAE SRAE~~

date entered & initials: [initials] 5/6/13

date checked & initials: [initials] 5/6/13

FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MBB 03 B/M/C (circle one) T1(1.5m) or T2(3.5m) (circle one) Date: 4/24/13

Burn Unit: Milagro Recorders: Rehlaender, Forrester Phenology:

Burn Status: circle one

00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: 01-yr03

Phenological Stage:

Pnt	Tape	Species and substrate codes (highest to lowest)						Species Observed, not Intercepted
1	0.3	BRDS						
2	0.6	BARE						
3	0.9	BAPI	GAPA					
4	1.2	LOPE	AVFA	BRDI				
5	1.5	BRDI						
6	1.8	ROCK						
7	2.1	BAPI						
8	2.4	BAPI	OXPE					
9	2.7	BARE						
10	3.0	BAPI	GAPA					
11	3.3	BRCA						
12	3.6	NAPU	BAPI					
13	3.9	ANAR						
14	4.2	CALYS*	ERST.	ERVE				
15	4.5	BAPI	CALYS*	ERVE				
16	4.8	BAPI	CALYS*	SADO				
17	5.1	LTR						
18	5.4	BAPI						
19	5.7	BAPI	SACR					
20	6.0	BAPI						
21	6.3	BAPI	SACR					
22	6.6	BAPI						
23	6.9	BAPI						
24	7.2	BAPI	ARCA					
25	7.5	BRCA						
26	7.8	BAPI-D						
27	8.1	LTR						
28	8.4	NAPU	BAPI					
29	8.7	BRCA	DAPU					
30	9.0	NAPU						
31	9.3	NAPU						
32	9.6	NAPU						
33	9.9	BRCA						
34	10.2	NAPU						
35	10.5	NAPU						
36	10.8	BAPI	NAPU					
37	11.1	ERLA						
38	11.4	BRCA						
39	11.7	BRCA						
40	12.0	BRCA	BAPI	NAPU	OXAL			
41	12.3	NAPU	BAPI					
42	12.6	DAPU						
43	12.9	NAPU						
44	13.2	NAPU						
45	13.5	NAPU	HIIN					
46	13.8	ERCI						
47	14.1	VUBR	LUAL	OXAL				
48	14.4	LUAL	CALYS					
49	14.7	BRCA	BAPI					
50	15.0	ARCA						

15 = PU

date entered & initials: 5/6/13

date checked & initials: 5/8/13

FMH-17-mod

LUPINE CENSUS DATA SHEET

scanned? ☐

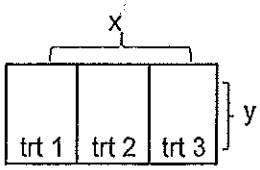
Plot ID: MBB 03 B/M (C) (circle one) Date: 4/24/13

Burn Unit: Milagra Recorders: Forrestel + Olson

Burn Status: circle one

00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: 01-yr 03

Phenological Stage: _____



Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
4	LUAL			N	255			→
5	LUAL	M		Y	252			
4	LUAL	M		Y	247			
4	LUAL	M		Y	245			
4	LUAL	M		Y	246			half dead
4	LUAL	M		Y	243			
3	LUAL	M		Y	244			
5	LUAL	M		Y	253			
3	LUAL				242			
4					254			
4					249			
4					219			
5					220			
5					225			
3					226			
5					250			
5					251			
4	LUAL	M		Y	248			
Missing + presumed dead					256			

date entered & initials: 5/6/13

date checked & initials: 5/6/13

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments

FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MBB 03 B/(M)/C (circle one) (T1(1.5m)) or T2(3.5m) (circle one) Date: 4-24-13

Burn Unit: Milagra Recorders: Olson, Rehlaender Phenology: ____

Burn Status: circle one

00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: (01-yr03)

Phenological Stage: ____

Pnt	Tape	Species and substrate codes (highest to lowest)					
1	0.3	ERCI					
2	0.6	PLLA	BAPI	PLER	ANAR		
3	0.9	VUBR	LOWR				
4	1.2	TRCA					
5	1.5	PLLA	NAPU				
6	1.8	PLLA					
7	2.1	NAPU	BRDS				
8	2.4	BRCA	TRCA				
9	2.7	BAPI	PLLA				
10	3.0	PLLA					
11	3.3	NAPU					
12	3.6	VUBR	NAPU				
13	3.9	NAPU					
14	4.2	NAPU	OXAL				
15	4.5	BAPI					
16	4.8	NAPU					
17	5.1	LOWR	NAPU	VUBR			
18	5.4	NAPU	BRDS				
19	5.7	BRDS					
20	6.0	TRCA	VUBR				
21	6.3	VUBR					
22	6.6	BARE					
23	6.9	BRDS					
24	7.2	BRDS					
25	7.5	AVBA	BRDS				
26	7.8	NAPU	BRDI	VUBR			
27	8.1	VUBR					
28	8.4	VUBR					
29	8.7	ERCI					
30	9.0	NAPU	VUBR				
31	9.3	ARCA					
32	9.6	KOMA					
33	9.9	NAPU	LUAL	BRDS			
34	10.2	LUAL	NAPU				
35	10.5	BAPI					
36	10.8	NAPU	LUAL				
37	11.1	LUAL	NAPU				
38	11.4	LUAL	ELGL				
39	11.7	ARCA					
40	12.0	NAPU	BAPI	ERVE			
41	12.3	NAPU	BAPI				
42	12.6	ERCI	BRCA				
43	12.9	BAPI	GAPA	NAPU			
44	13.2	NAPU	ERLA				
45	13.5	NAPU					
46	13.8	NAPU	BRDS				
47	14.1	NAPU					
48	14.4	NAPU					
49	14.7	BAPI	BRDS				
50	15.0	TRCA	BAPI	NAPU			

Species Observed, not Intercepted

- VISA
- GNCA
- SOAS
- FIGA
- CAREX
- CALILS.
- ESCA
- SIGA
- BRHO
- CLPE
- GEDI
- ACMI
- HYGL
- SADO
- CAAF
- ASGA
- PLER
- CAEY
- AICA
- GNCN
- HYRA
- HUN
- NALE
- MELIC.

date entered & initials: [initials] 5/6/13

date checked & initials: [initials] 5/6/13

tape in wrong place (0m) no spp

FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MBB 01 03 (B/M/C (circle one)) T1(1.5m) or T2(3.5m) (circle one) Date: 4-24-13

Burn Unit: Milagra Recorders: Rehkemper, Olson Phenology:

Burn Status: circle one

00-PRE ___POST (01-yr01) ___-yr02 ___-yr05 ___-yr10 Other: (01-yr03)

Phenological Stage:

taken 4 Jun

Pnt	Tape	Species and substrate codes (highest to lowest)					Species Observed, not Intercepted
1	0:3	PLLA					
2	0:6	LTR					
3	0:9	NAPU					
4	1:2	PLLA					
5	1:5	NAPU					
6	1:8	PLLA	BRDS				
7	2:1	NAPU					
8	2:4	BRCA					
9	2:7	NAPU	PLLA				
10	3:0	PLLA					
11	3:3	PLLA	VUBR				
12	3:6	NAPU	DAPU				
13	3:9	PLLA					
14	4:2	BRCA					
15	4:5	NAPU	DAPU	BRCA			
16	4:8	NAPU	PLLA				
17	5:1	NAPU					
18	5:4	NAPU					
19	5:7	NAPU					
20	6:0	NAPU	BRDS				
21	6:3	VUBR					
22	6:6	NAPU					
23	6:9	VUBR					
24	7:2	NAPU	AVBA				
25	7:5	LTR					
26	7:8	NAPU					
27	8:1	NAPU					
28	8:4	NAPU					
29	8:7	NAPU	AVBA				
30	9:0	NAPU	VUBR				
31	9:3	VUBR					
32	9:6	BARE					
33	9:9	BRAS					
34	10:2	NAPU					
35	10:5	NAPU	LOPE	BAPI			
36	10:8	BARE					
37	11:1	BARE					
38	11:4	BRAS					
39	11:7	BRCA	BRCA				
40	12:0	NAPU	BAPI	EUPE			
41	12:3	NAPU	BAPI				
42	12:6	BRAS	NAPU				
43	12:9	NAPU					
44	13:2	NAPU					
45	13:5	NAPU					
46	13:8	VUBR					
47	14:1	VUBR					
48	14:4	NAPU	AVBA				
49	14:7	BARE					
50	15:0	NAPU	PLLA				

date entered & initials: _____

date checked & initials: _____

FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MBB 03 B/M/C (circle one) [M circled] T1(1.5m) or T2(3.5m) (circle one) [T2(3.5m) boxed] Date: 4-24-13

Burn Unit: Milagra Recorders: R. Whalander, [illegible] Phenology: ____

Burn Status: circle one

00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: 01-yr 03 [circled]

Phenological Stage: ____

Pnt	Tape	Species and substrate codes (highest to lowest)						Species Observed, not Intercepted
1	0.3	PLLA	VUBR					
2	0.6	BARE						
3	0.9	BRDS						
4	1.2	PLLA	BRDS					
5	1.5	BRDS						
6	1.8	NAPU						
7	2.1	PLLA	NAPU					
8	2.4	PLLA	LOWR	PLER				
9	2.7	PLLA						
10	3.0	PLLA	VUBR					
11	3.3	NAPU						
12	3.6	PLLA						
13	3.9	NAPU						
14	4.2	PLLA						
15	4.5	NAPU	BRCA					
16	4.8	PLLA						
17	5.1	BRDS	NAPU					
18	5.4	BRDS	BRCA					
19	5.7	BRCA						
20	6.0	BRCA						
21	6.3	BAPI						
22	6.6	NAPU	VUBR					
23	6.9	BRCA						
24	7.2	BRCA						
25	7.5	NAPU						
26	7.8	BAPI						
27	8.1	BRDS	VUBR					
28	8.4	VUBR						
29	8.7	BRCA						
30	9.0	BAPI	BRCA	VUBR				
31	9.3	LOPL	VUBR					
32	9.6	VUBR						
33	9.9	BAPI						
34	10.2	BAPI	VUBR					
35	10.5	BRCA						
36	10.8	BAPI						
37	11.1	BAPI						
38	11.4	VUBR						
39	11.7	VUBR	NAPU					
40	12.0	AVBA	NAPU					
41	12.3	NAPU	BAPI					
42	12.6	BAPI	[illegible]					
43	12.9	BAPI	LUAL					
44	13.2	ELGL						
45	13.5	NAPU						
46	13.8	NAPU						
47	14.1	NAPU						
48	14.4	NAPU	BAPI	DAPU	VISA			
49	14.7	BAPI	BRCA					
50	15.0	NAPU						

date entered & initials: [initials] 5/6/13

date checked & initials: [initials] 5/6/13

FMH-17-mod

LUPINE CENSUS DATA SHEET

scanned? ☐

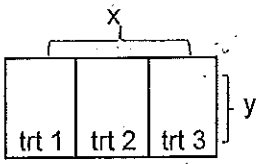
Plot ID: MBB 03 B/M/C (circle one) Date: 4/24/13

Burn Unit: Milagra Recorders: Forrestel

Burn Status: circle one

00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: 01 -yr03

Phenological Stage: _____



Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
1	LUAL	M		Y	203			
2	LUAL	I		Y	540	5.75	5.4	needs tag
3	LUAL	M		Y	207			
3	LUAL	M		Y	235			
3	LUAL	M		Y	212			
3	LUAL	M		Y	213			
3	LUAL	M		Y	214			
4	LUAL	M		Y	215			barely alive
* 4	LUAL	I		Y	231	5.75	12-	needs tag → could be 231 * not sure
5	LUAL	M		Y	234			missing tag
5	LUAL	M		Y	239			↑ tag not found
5	LUAL	M		Y	233			
5	LUAL	M		Y	232			
4	LUAL	M		Y	2281			
4	LUAL	M		Y	216			
4	LUAL	M		Y	241			
3	LUAL	M		Y	209			
				N	208			dead, missing, removed tag
2	LUAL	M		Y	205			
2	LUAL	M		Y	206			
1	LUAL	M		Y	237			
2	LUAL	M		Y	204			couldn't find tag
5	LUAL	M		Y	221			
5	LUAL	M		Y	224			
5	LUAL	M		Y	101			
5	LUAL	M		Y	539	8.75	14.85	needs tag
4	LUAL	M		Y	49			

date entered & initials: 5/21/13 Reentered 5/23

date checked & initials: 5/21/13 Rechecked 5/23

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
	LVAL			N	210			dead + gone
	LVAL	M		Y	211			
	LVAL	M		Y	223			
	LVAL	M		Y	217			x coordinate should be 9.8
	LVAL	M		Y	218			x coordinate should be 9.4
	LVAL	M		Y	236			
	LVAL	M		Y	230			
	LVAL	M		Y	240			
					222			couldn't find presumed dead
					227			
					229			
					231			→ could be * from front??
					238			

FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MBP 06 | B/M/C (circle one) | T1(1.5m) or T2(3.5m) (circle one) | Date: 5/8/13

Burn Unit: MAHE | Recorders: OLSON | Phenology:

Burn Status: circle one

00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: 01 -yr 03

Phenological Stage:

Pnt	Tape	Species and substrate codes (highest to lowest)						Species Observed, not Intercepted
1	0.3	URPI	BAPI	BRCA	VIBR			ERBO
2	0.6	AGROS	BAPI					GAPO
3	0.9	AGROS	BAPI					SIBC
4	1.2	BAPI						SIMA
5	1.5	AVBA	BAPI	AGROS				CIOC
6	1.8	LOPE	NASSE	HYPA				LOUT
7	2.1	HESE						LAVE
8	2.4	DACA						DAPU
9	2.7	ERCI	HYPA					LUAR
10	3.0	BARE						MOVI
11	3.3	LOMU	AVBA	BAPI	PLLA			CAAF
12	3.6	AVBA	BAPI					FIGA
13	3.9	AVBA	BAPI	NASSE				ERLA
14	4.2	NASSE	ERCI					BRDI
15	4.5	VIBR	HYPA					BRCA
16	4.8	BRMA						RHCA
17	5.1	BARE						KOMA
18	5.4	NASSE	VIBR					ERLA
19	5.7	AVBA						MOVI
20	6.0	BRMA	ERCI					
21	6.3	BRMX	ANAR					
22	6.6	BARE						
23	6.9	LOMU	AVBA	ERCI				
24	7.2	BAPI	AGROS					
25	7.5	AVBA	BAPI					
26	7.8	LOMU	NASSE					
27	8.1	NASSE						
28	8.4	NASSE						
29	8.7	BRMA	CAPU					
30	9.0	AVBA	NASSE					
31	9.3	AVBA						
32	9.6	BARE						
33	9.9	LOPE	BAPI	ANAR				
34	10.2	LOMU	BAPI					
35	10.5	LOMU	NASSE					
36	10.8	BRMA	NASSE					
37	11.1	LOMU						
38	11.4	BAPI	NASSE	MIAM				
39	11.7	AVBA	LOPE	CHPO	STAT			
40	12.0	ARCA	ELGL					
41	12.3	ARCA	NASSE					
42	12.6	ATLA	BRMX	NASSE	PLLA			
43	12.9	FESCA	CAREX					
44	13.2	LOPE	LOMU					
45	13.5	LOMU	PLLA					
46	13.8	CHPO	LOMU	BRMX				
47	14.1	LOMU	CHPO	BAPI	CAPU	STAT		
48	14.4	BAPI						
49	14.7	NASSE	BAPI	CAPU				
50	15.0	PLLA						

date entered & initials: 5/22/13

date checked & initials: 5/22/13

FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MBB #06 (B)/M/C (circle one) T1(1.5m) or (T2(3.5m)) (circle one) Date: 5/8/13

Burn Unit: ~~Mil~~ MAHE Recorders: OLSON, MALDONADO Phenology: ____

Burn Status: circle one

00-PRE ___POST (01-yr01) ___-yr02 ___-yr05 ___-yr10 Other: (01-yr 03)

Phenological Stage: ____

3.65 × 5.35

544

Pnt	Tape	Species and substrate codes (highest to lowest)						Species Observed, not Intercepted
1	0.3	AVBA						
2	0.6	LOPE	GAPO					
3	0.9	LOMU	AGROS					
4	1.2	BRMX	BAPI	STAT				
5	1.5	NASSE	CHPO					
6	1.8	CHPO	PLLA					
7	2.1	PLLA	NASSE					
8	2.4	NASSE						
9	2.7	NASSE	BAPI					
10	3.0	NASSE	PLLA					
11	3.3	AVBA	BRMX	STAT				
12	3.6	AVBA	NASSE	CAPU				
13	3.9	BAPI						
14	4.2	BAPI	CAPU	NASSE				
15	4.5	AVBA	DACA					
16	4.8	CAREX	ANAR					
17	5.1	AVBA	SIGA					
18	5.4	AVBA	CAREX					
19	5.7	BAPI	AVBA					
20	6.0	PLLA	AVBA					
21	6.3	NASSE	CAREX	PLLA				
22	6.6	PLLA	BRMX					
23	6.9	AVBA	MIAU	AVBA	CAREX			
24	7.2	AVBA	BAPI	PLLA				
25	7.5	PLLA						
26	7.8	LTR						
27	8.1	PLLA						
28	8.4	PLLA	CAREX					
29	8.7	AVBA	PLLA	BAPI				
30	9.0	AVBA	LOMU					
31	9.3	LOMU	BRMX	BAPI				
32	9.6	AVBA						
33	9.9	CAREX	PLLA	BAPI				
34	10.2	BAPI	DACA	CAREX				
35	10.5	NASSE	BAPI					
36	10.8	ANAR						
37	11.1	NASSE						
38	11.4	BRHO	CAREX					
39	11.7	NASSE						
40	12.0	URLE	CAREX	NASSE				
41	12.3	CAREX	PLLA					
42	12.6	CHPO						
43	12.9	DACA						
44	13.2	VIMBR						
45	13.5	PLLA						
46	13.8	PLLA						
47	14.1	ELGL	BAPI					
48	14.4	BARE						
49	14.7	PLLA	NASSE					
50	15.0	PLLA	ACPI					

date entered & initials: [initials] 5/22/13

date checked & initials: [initials] 5/22/13

FMH-17-mod

LUPINE CENSUS DATA SHEET

scanned? ☐

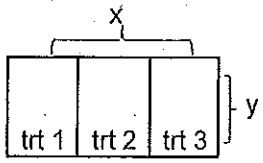
Plot ID: MBB 06 (B/M/C (circle one)) Date: 05/08/13

Burn Unit: MAHE Recorders: Maldonado

Burn Status: circle one

00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: (01 -yr03)

Phenological Stage: _____



Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
1	LUAL	M		L	2018			
2	LUAL	M		L	2023			
2	LUAL	M		L	2019			
4	LUAL	M		L	2021			
4	LUAL	M		L	2022			
2	NEW LUAL	I		L	543	7.3	4.4	
2	LUAL	M		L	2020			
2	LUAL	—		D	2027			
2	—	—		D	2026			
1	LUAL	M		L	200			
3	LUAL	M		L	2031			
4	LUAL	M		L	100			
4	LUAL	M		L	2030			
5	—	—	removed tag	D	2029			
2	—	—		D	2028			
2	NEW LUAL	I		L	544	3.65	5.35	
2	LUAL	—		D	2024			} were dead last year
2	LUAL	—		D	2025			

Intervals

#	months
1	1-3
2	3-6
3	6-9
4	9-12
5	12-15

Tags not found
2024
2025

date entered & initials: 5/22/13

date checked & initials: 5/22/13

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments

FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MBB 06 B/M (C) (circle one) (T1(1.5m)) or T2(3.5m) (circle one) Date: 5/8/13

Burn Unit: MAHE Recorders: DESIGN Phenology:

Burn Status: circle one

00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: (01-yr03)

Phenological Stage:

Pnt	Tape	Species and substrate codes (highest to lowest)						Species Observed, not Intercepted
1	0:3	CAREX						MELIC
2	0:6	HESE	BRMX					LOVI
3	0:9	MASSE						SIMA
4	1:2	NASSE						SIBE
5	1:5	LIAL						ACMI
6	1:8	BAPI	AVBA	NASSE				SIGA
7	2:1	BAPI						CIQU
8	2:4	LOMU	BAPI					CIOC
9	2:7	BRMX	LIAL	HYPE				MOVI
10	3:0	LIAL	BRMA	BRMX	BAPI			KHCA
11	3:3	ARCA	NASSE	BRCA				KOMI
12	3:6	BRMX	LOMU					ERLA
13	3:9	AVBA						LOPE
14	4:2	BRMA						GAPO
15	4:5	ARCA	AVBA	DACA				MAFA
16	4:8	BRMA	AVBA					STAT
17	5:1	BRHO						HYGL
18	5:4	PLLA						FRVE
19	5:7	LIAL						POGL
20	6:0	LIAL						DAPU
21	6:3	BAPI	PLLA					FIGA
22	6:6	ARCA						
23	6:9	ARCA						
24	7:2	ARCA	BRMX					
25	7:5	LIAV						
26	7:8	BAPI	CHPO	MIAM				
27	8:1	BAPI						
28	8:4	ARCA	BAPI					
29	8:7	BAPI						
30	9:0	ARCA						
31	9:3	BAPI	MIAM					
32	9:6	ARCA						
33	9:9	ARCA						
34	10:2	ARCA						
35	10:5	BRMX	ARCA					
36	10:8	BAPI	NASSE	PLLA				
37	11:1	NASSE	BAPI	VUBR				
38	11:4	ARCA	NASSE					
39	11:7	BAPI	PLLA					
40	12:0	BAPI	PLLA					
41	12:3	BAPI	CAREX					
42	12:6	BRHO						
43	12:9	BRHO						
44	13:2	CHPO	VUBR					
45	13:5	BAPI	DACA	VUBR				
46	13:8	LTR						
47	14:1	NASSE	PLLA					
48	14:4	PLLA	NASSE					
49	14:7	PLLA	ARCA	VUBR				
50	15:0	ARCA	CAAE					

date entered & initials: 5/22/13

date checked & initials: 5/22/13

FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MBB ~~01~~ 06 B/M/C (circle one) — C circled T1(1.5m) or T2(3.5m) (circle one) — T2(3.5m) circled Date: 5/8/13

Burn Unit: ~~[illegible]~~ MAHT Recorders: OLSON Phenology: ______

Burn Status: circle one

00-PRE ___POST (01-yr01) ___-yr02 ___-yr05 ___-yr10 Other: (01-yr 03)

Phenological Stage: ______

Pnt	Tape	Species and substrate codes (highest to lowest)						Species Observed, not Intercepted
1	0.3	ROCK						
2	0.6	NASSE	~~HESE~~					
3	0.9	BARE						
4	1.2	DACA						
5	1.5	DACA						
6	1.8	DACA	HYRA	BRMA				
7	2.1	AVBA						
8	2.4	LOMU	AVBA					
9	2.7	ARCA	AVBA					
10	3.0	ARCA						
11	3.3	HYRA						
12	3.6	BRCI						
13	3.9	NASSE						
14	4.2	BRCI	NASSE					
15	4.5	NASSE						
16	4.8	BARE						
17	5.1	AVBA	PLLA					
18	5.4	BRMA	HESE	AVBA				
19	5.7	BARE						
20	6.0	AVBA						
21	6.3	AVBA	CAREX					
22	6.6	MIAV	ELGL					
23	6.9	ARCA	CHPO	NASSE				
24	7.2	BAPI	LOMU					
25	7.5	BARE						
26	7.8	ARCA						
27	8.1	ARCA	BAPI					
28	8.4	CHPO	ARCA					
29	8.7	ARCA	NASSE					
30	9.0	ARCA	NASSE					
31	9.3	AVBA	ARCA	CAREX	BRMX			
32	9.6	NASSE	BRMX					
33	9.9	DACA						
34	10.2	NASSE						
35	10.5	BRMX	NASSE					
36	10.8	BARE						
37	11.1	AVBA	BRMX	ACPI				
38	11.4	NASSE	BAPI					
39	11.7	BAPI	NASSE	VUBR				
40	12.0	BRMX						
41	12.3	LTR						
42	12.6	ANAR						
43	12.9	CAREX						
44	13.2	VUBR						
45	13.5	NASSE						
46	13.8	NASSE						
47	14.1	NASSE						
48	14.4	NASSE						
49	14.7	LTR						
50	15.0	BRMA						

pt 23: is "CHPL" CHPO? YES something else?

date entered & initials: [initials] 5/22/13

date checked & initials: [initials] 5/22/13

LUPINE CENSUS DATA SHEET, continued

scanned? ☐

Plot ID: MBB 06 B/M/C (circle one) — C circled Date: 06/08/13

Burn status: 2013 Recorder initials: Marcela Maldonado

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? ~~(Y/N)~~ (L/D)	Tag #	x	y	Comments
1	LUAL	M		L	2002			
1	LUAL	M		L	2003			
1	LUAL	M		L	2004			
1	LUAL	M		L	2005			
2	LUAL	M		L	2008			
5	LUAL	M		L	2017			
5	LUAL	M		L	2013			
5	LUAL	M		L	2012			
4	LUAL	—		D	2009			=> pulled tag.
3	NEW	I		L	541	2.4	6.6	
2	LUAL	M		L	2007			
5	LUAL	M		L	2011			
5	NEW	I		L	542	3.9	13.1	
5	LUAL	M		L	2014			
5	LUAL	M		L	2015			
1	LUAL	—		D	2001			tnf, paf
5	LUAL	—		D	2010			} dead last year
5	LUAL	—		D	2016			

Interval Meters
1 - 1-3 y coord
2 - 3-6
3 - 6-9
4 - 9-12
5 - 12-15

tag not found
- 2016
- 2010
- 2001

date entered & initials: [initials] 5/22/13

date checked & initials: [initials] 5/22/13

FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MBB 06 B/(M)/C (circle one) (T1(1.5m)) or T2(3.5m) (circle one) Date: 5/8/13

Burn Unit: MAHE Recorders: OLSON Phenology:

Burn Status: circle one

00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: (01 -yr 03)

Phenological Stage:

Pnt	Tape	Species and substrate codes (highest to lowest)					
1	0.3	BARE					
2	0.6	PLLA					
3	0.9	BARE					
4	1.2	PLLA					
5	1.5	PLLA					
6	1.8	BARE					
7	2.1	VUBR	PLLA				
8	2.4	NASSE					
9	2.7	PLLA					
10	3.0	BARE					
11	3.3	VUBR	ERCI				
12	3.6	NASSE	BRMA				
13	3.9	AVBA	BRDI	VUBR			
14	4.2	AVBA	PLLA	BRDI			
15	4.5	AVBA	PLLA	ERCI			
16	4.8	NASSE					
17	5.1	AVBA					
18	5.4	NASSE	LOMU				
19	5.7	BARE					
20	6.0	BAPI					
21	6.3	AVBA	PLLA				
22	6.6	AVBA	NASSE	PLLA			
23	6.9	LOMU	LUAL				
24	7.2	NASSE	LOPE	BAPI			
25	7.5	CHPO	LOMU				
26	7.8	PLLA	VUBR				
27	8.1	AVBA	BRMA	LOPE	NASSE		
28	8.4	AVBA	BRMA	ERLA			
29	8.7	AVBA	LOMU	PLLA			
30	9.0	NASSE	AVBA	BRHO			
31	9.3	AVBA	NASSE	LOPE	CAREX		
32	9.6	AVBA	BRMX	BAPI			
33	9.9	PLLA	CAREX	BAPI			
34	10.2	LOMU	PLLA	NASSE	BAPI		
35	10.5	BARE					
36	10.8	AVBA	BRMA	BRMX	LOPE		
37	11.1	BARE					
38	11.4	LOMU					
39	11.7	NASSE					
40	12.0	LOMU					
41	12.3	BRMA					
42	12.6	PLLA	BRMX				
43	12.9	PLLA	BRMX				
44	13.2	BAPI					
45	13.5	PLLA					
46	13.8	PLLA	BRMX				
47	14.1	PLLA					
48	14.4	AVBA	PLLA				
49	14.7	BARE					
50	15.0	BARE					

Species Observed, not Intercepted

MECA
CIOC
TRLA = TRLX
SIGA
TRWI
GEMO
CAAF
MOVI
CADU
MIAU
ARCA
HESE
STAT
SIBE
KOMA
GAPO
ELGL

date entered & initials: LJO 5/22/13

date checked & initials: DJO 5/22/13

FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MBB 03 (A)(M)C (circle one) T1(1.5m) or T2(3.5m) (circle one) Date: 5/8/13

Burn Unit: MAHE Recorders: OLSON Phenology:

Burn Status: circle one

00-PRE ___POST (yr01) ___-yr02 ___-yr05 ___-yr10 Other: (01-yr 03)

Phenological Stage:

Pnt	Tape	Species and substrate codes (highest to lowest)						Species Observed, not Intercepted
1	0:3	DACA	ERBR					
2	0:6	VUBR						
3	0:9	VUBR	NASSE					
4	1:2	LTR						
5	1:5	ESCA	HYRA					
6	1:8	BARE						
7	2:1	BRDI	HYRA					
8	2:4	DACA						
9	2:7	NASSE						
10	3:0	NASSE						
11	3:3	BARE						
12	3:6	NASSE	VUBR	HYRA				
13	3:9	BARE						
14	4:2	FIGA						
15	4:5	BARE						
16	4:8	BARE						
17	5:1	ERBO						
18	5:4	VUBR	ANAR					
19	5:7	AVBA	VUBR	ERCI				
20	6:0	*UR PI	VUBR					
21	6:3	VUBR						
22	6:6	NASSE	VUBR					
23	6:9	LOMU	ERCI	VUBR				
24	7:2	VUBR						
25	7:5	ANAR						
26	7:8	BRMX						
27	8:1	LTR						
28	8:4	VUBR	BRMX					
29	8:7	BRMA						
30	9:0	BRMX						
31	9:3	BARE						
32	9:6	BRMX	PLLA					
33	9:9	PLLA	BRDI	LOMU	NASSE			
34	10:2	VUBR	PLLA					
35	10:5	LOMU	BRHO					
36	10:8	LOMU						
37	11:1	BRHO	PLLA					
38	11:4	PLLA						
39	11:7	BARE						
40	12:0	BRHO						
41	12:3	BARE						
42	12:6	BARE						
43	12:9	PLLA	LOMU	VUMY				
44	13:2	VUBR	PLLA					
45	13:5	AVBA						
46	13:8	AVBA						
47	14:1	BRMA	BRDI					
48	14:4	ANAR						
49	14:7	BRDI	NASSE	PLLA				
50	15:0	LOMU	BRMX	PLLA				

date entered & initials: 5/22/13

date checked & initials: 5/22/13

FMH-17-mod

LUPINE CENSUS DATA SHEET

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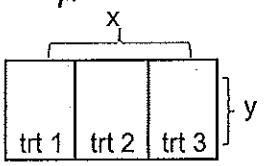
Plot ID: MBB 06 B/M/C (circle one) Date: 05/08/13

Burn Unit: MATTE 06 Recorders: Maldonado

Burn Status: circle one

00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: 01-yr03

Phenological Stage: _____



Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
1	LUAL	M	—	L	2080			interval
2	LUAL	M	—	L	2033			1 - 1-3
3	LUAL	M	—	L	2079			2 - 3-6
3	LUAL	M	—	L	2042			3 - 6-9
3	NEW (LUAL)	I	—	L	545	11.25	7	4 - 9-12
5	LUAL	M		L	2064			5 - 12-15
5	LUAL	M		L	2062	———	———	→ tag not found
5	LUAL	M		L	2065			
5	LUAL	M		L	2066			
5	LUAL	M		L	2067			
5	LUAL	M		L	2071			
5	LUAL	M		L	2072			
5	LUAL	—		D	2059	pulled	tag	
5	LUAL	M		L	2058			
5	NEW (LUAL)	I		L	546	11.75	13.1	
5	NEW (LUAL)	I		L	547		12.05	
4	LUAL	M		L	2053			
4	—	—		D	2062			
4	NEW resprout from dead plant	M		L	548	13.1	10.8	
4	LUAL	M		L	2045	———	———	→ tag not found
4	LUAL	M		L	2084	———	———	→ tag not found
4	NEW (LUAL)	I			549	12.4	9.9	
3	NEW "	I		L	550	12.81	8.15	
3	NEW "	I		L	551	11.9	6.9	
3	NEW "	I		L	552	12.6	7	
3	" "	I		L	553	12.6	6.4	
2	" "	I		L	554	12.3	5.25	

date entered & initials: 5/22/13

date checked & initials: 5/22/13

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
2	LUAL	M	—	L	2034			
2	LUAL	M		L	2032			
2	LUAL	M		L	2036			
2	LUAL	M		L	2035			
3	"	M		L	2037			
3	LUAL	M		L	2039			
4	LUAL	M		L	2041			
4	LUAL	M		L	2040			
4	LUAL	M		L	2049			
4	LUAL	M		L	2048			
5	LUAL	M		L	2051			
5	LUAL	M		L	2073			
4	—	—		D	2043			
5	LUAL	M		L	2057			
4	LUAL	M		L	2054			
4	—	—		D	2052			
3	LUAL	I	NEW	L	555	13.55	7.7	
3	LUAL	I	NEW	L	556	13.7	7.4	
3	"	"	"	"	557	12.6	6.4	
2	"	"	"	"	558	14.2	4.4	
2	"	"	"	"	559	13.95	4.4	
3	"	"	"	"	560	13.3	6.4	
1	"	"	"	"	561	13.5	2.6	
2	"	"	"	"	562	10.8	3.6	

tag + plant not found

			interval
all were LUAL	2038	D	3
	2068	D	5
	2069	D	5
	2070	D	5
	2074	D	5
	2075	D	5
	2076	D	5
	2077	D	5
	2078	D	5
	2044	D	3
	2061	D	5
	2060	D	5
	2081	D	5
	2063	D	5
	2046	D	4
	2047	D	4
	2050	D	4
	2055		4
	2056		4

FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MBB07 (B)/M/C (circle one) T1(1.5m) or T2(3.5m) (circle one) Date: 5/3/13

Burn Unit: MATHE Recorders: OLSON, JEFFERSON Phenology:

Burn Status: circle one

00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: 01 -yr 03

Phenological Stage:

Pnt	Tape	Species and substrate codes (highest to lowest)						Species Observed, not Intercepted
1	0.3	LOPE						
2	0.6	BRDI	NASSE					
3	0.9	LTR						SADO
4	1.2	BRMA						
5	1.5	AVBA	LOPE					
6	1.8	BARE						
7	2.1	LOMU						
8	2.4	BARE						
9	2.7	NASSE						
10	3.0	BARE						
11	3.3	LOPE	PLLA					
12	3.6	NASSE						
13	3.9	BRMA	NASSE	LOPE				
14	4.2	BEAR						
15	4.5	BAPI	LOPE	NASSE				
16	4.8	NASSE	BAPI					
17	5.1	PLLA						
18	5.4	ARLA	LOMU	AVBA				
19	5.7	ERCI						
20	6.0	BAPI						
21	6.3	BAPI						
22	6.6	LOPE	BAPI	BRHO	PLLA			
23	6.9	NASSE						
24	7.2	NASSE						
25	7.5	PLLA						
26	7.8	AVBA	LOPE					
27	8.1	LTR						
28	8.4	NASSE						
29	8.7	NASSE						
30	9.0	BARE						
31	9.3	LOPE	AIVAR					
32	9.6	LOMU						
33	9.9	BEAR						
34	10.2	ARLA	LOPE					
35	10.5	LOMU	PLLA					
36	10.8	BAPI	PLLA					
37	11.1	ARLA	BRHO					
38	11.4	BARE						
39	11.7	BARE						
40	12.0	BARE						
41	12.3	BRHO						
42	12.6	BARE						
43	12.9	BARE						
44	13.2	BARE						
45	13.5	PLLA	NASSE					
46	13.8	LOMU	PLLA					
47	14.1	PLLA	NASSE					
48	14.4	PLLA	BAPI	LOMU				
49	14.7	VIAM						
50	15.0	NASSE	PLLA					

date entered & initials: 5/23/13

date checked & initials: 5/24/13

FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MBB07 (B)/M/C (circle one) T1(1.5m) or T2(3.5m) (circle one) Date: 5/3/13

Burn Unit: MATE Recorders: J. Olson, Z. Jackson Phenology:

Burn Status: circle one

00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: 01-yr 03

Phenological Stage:

Pnt	Tape	Species and substrate codes (highest to lowest)						Species Observed, not Intercepted
1	0.3	NASSE	AVBA					GNCN
2	0.6	NASSE	AVBA					OXAL
3	0.9	BARE						FIGA
4	1.2	BARE						CAPU
5	1.5	BRBI	NASSE	LOPE				MIAU
6	1.8	BRBI	BRMA	LOPE	ERCI	DAPU		SIGA
7	2.1	BARE						SONS
8	2.4	BARE						CAAE
9	2.7	AVBA	ERCI	BRBI				LUAL
10	3.0	BARE						LOUR
11	3.3	NASSE						MEIN
12	3.6	BAPI	NASSE					ERLA
13	3.9	NASSE	LOPE					MAFA
14	4.2	LOMU						HIIN
15	4.5	NASSE	MEPO	LOMU				VISA
16	4.8	BRMA	NASSE					SABI
17	5.1	LOPE						CEME
18	5.4	LOMU	DAPU	ERCI				SADO
19	5.7	LOMU						
20	6.0	LTR						
21	6.3	ARLA						Milk Thistle ? = SIMA
22	6.6	NASSE						
23	6.9	AVBA	NASSE					
24	7.2	LOPE	NASSE	PLLA				
25	7.5	PLLA	NASSE					
26	7.8	PLLA						
27	8.1	BAPI						
28	8.4	LOMU	BAPI	NASSE				
29	8.7	NASSE						
30	9.0	PLLA						
31	9.3	PLLA	NASSE					
32	9.6	NASSE						
33	9.9	LOPE						
34	10.2	LOMU						
35	10.5	PLLA	NASSE	BAPI				
36	10.8	LOMU	BAPI		AVBA			
37	11.1	BAPI	GAPO					
38	11.4	LOMU	BRHO					
39	11.7	ARLA	LOMU					
40	12.0	BEAR						
41	12.3	LOPE	PLLA					
42	12.6	VUBR	BRHO	PLLA				
43	12.9	NASSE	PLLA					
44	13.2	BRHO	VUBR	PLLA				
45	13.5	NASSE						
46	13.8	NASSE	PLLA					
47	14.1	NASSE	PLLA					
48	14.4	PLLA						
49	14.7	NASSE	PLLA	ERCI				
50	15.0	BARE						

date entered & initials: 5/23/13 5/24/13

date checked & initials: 5/23/13 5/24/13

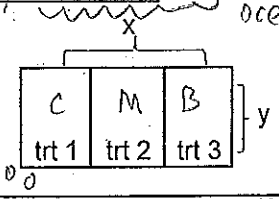
FMH-17-mod

LUPINE CENSUS DATA SHEET

scanned? ☐

Plot ID: MBB 01 (B)M/C (circle one) Date: 5/2/13

Burn Unit: MAHE Recorders: OLSON, JEFFERSON



Burn Status: circle one

00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: 01 -yr 03

Phenological Stage: _____

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N) (L/D)	Tag #	x	y	Comments
1	LVAL	M		L	219			
1	〃	〃		L	202			huge ; tnf
1	〃	〃		L	201			tag buried
3	〃	〃		L	209			
1	〃	〃		〃	203			
1	〃	〃		〃	427			
5	〃			〃	215			
1				↓	224			tnf
1				L	206			previously "D"
5		—		D	214			pnf
		—		D	217			2nd year "D"; tag removed
1				L	204			tnf
2		—		D	222			tag removed
5				L	218			
2				L	205			tnf
5				L	221			
5				D	216			
5				L	220			
5				L	213			fire ant colony
2				D	426			tag removed
5				L	223			
3				L	210			tnf
4				L	212			
4				L	211			huge plant ; tnf
5	LVAL	I	NEW	L	456	11	12.7	
5	〃	I	NEW	L	591	14.3	12.65	
5	〃	I	NEW	L	77	14.6	13.9	

date entered & initials: 5/24/13

date checked & initials: 5/24/13

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
5	LVAL	I	NEW	L	789	14.45	14.8	

FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MBB 01 07   B/M/C (circle one): C   T1(1.5m) or T2(3.5m) (circle one): T2(3.5m)   Date: 5-2-13

Burn Unit: Milagra MAHE   Recorders: REHLAENDER, ZIMMERMAN   Phenology: ____

Burn Status: circle one

00-PRE ___POST (01-yr01) ___-yr02 ___-yr05 ___-yr10 Other: 01-yr 03

Phenological Stage: ____

Pnt	Tape	Species and substrate codes (highest to lowest)						Species Observed, not Intercepted
1	0.3	ARCA	NASSE					
2	0.6	WOOD						
3	0.9	ARCA	NASSE	STAJ				
4	1.2	ARCA						
5	1.5	ARCA	SADO					
6	1.8	ARCA	STAJ					
7	2.1	ARCA	PLLA					
8	2.4	BAPI	STAJ	ARCA				
9	2.7	BAPI	PLLA					
10	3.0	ARCA	NASSE	BAPI	PLLA			
11	3.3	ARCA						
12	3.6	ARCA	NASSE					
13	3.9	PLER						
14	4.2	LTR						
15	4.5	BARE						
16	4.8	PLER	PLLA					
17	5.1	LTR						
18	5.4	VUBR						
19	5.7	ARCA	NASSE	PLLA				
20	6.0	ARCA						
21	6.3	NASSE						
22	6.6	ERCI						
23	6.9	BARE						
24	7.2	BRHO						
25	7.5	NASSE						
26	7.8	NASSE						
27	8.1	NASSE						
28	8.4	NASSE						
29	8.7	ARCA	NASSE					
30	9.0	PLLA						
31	9.3	BARE						
32	9.6	AVBA	NASSE					
33	9.9	BAPI	NASSE					
34	10.2	BAPI	ARCA	PLLA				
35	10.5	ARCA						
36	10.8	PLLA						
37	11.1	LOMU	NASSE					
38	11.4	VUBR	PLLA					
39	11.7	LOMU						
40	12.0	ARCA						
41	12.3	NASSE						
42	12.6	ARCA	NASSE	PLLA				
43	12.9	ARCA						
44	13.2	ARCA	NASSE					
45	13.5	ARCA						
46	13.8	ARCA						
47	14.1	ARCA	NASSE					
48	14.4	ARCA	PLLA					
49	14.7	ARCA	NASSE					
50	15.0	LUAL	LOMU					

date entered & initials: JJ 5/24/13

date checked & initials: JJ 5/24/13

FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MBB 07 B/M(C) (circle one) T1(1.5m) or T2(3.5m) (circle one) Date: 5-2-13

Burn Unit: MAHE Recorders: REHLAENDER, ZIMMERMAN Phenology:

Burn Status: circle one

00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: (01 -yr03)

Phenological Stage:

Pnt	Tape	Species and substrate codes (highest to lowest)					
1	0.3	BAPI	ARCA				
2	0.6	BAPI					
3	0.9	BAPI	NASSE				
4	1.2	BAPI	NASSE	SAPO	ANAR		
5	1.5	ARCA-D					
6	1.8	ARCA-D					
7	2.1	BAPI	FRVE				
8	2.4	BAPI	ARCA	PLLA			
9	2.7	BAPI					
10	3.0	BAPI					
11	3.3	LOMA	NASSE				
12	3.6	NASSE					
13	3.9	NASSE	ARCA				
14	4.2	PLLA					
15	4.5	BRHO					
16	4.8	PLLA					
17	5.1	NASSE					
18	5.4	BARE					
19	5.7	BARE					
20	6.0	PLLA					
21	6.3	ROCK					
22	6.6	NASSE					
23	6.9	BARE					
24	7.2	BARE					
25	7.5	BARE					
26	7.8	NASSE					
27	8.1	LTR					
28	8.4	LTR					
29	8.7	AVBA	NASSE	ERCI			
30	9.0	PLLA	LOMA				
31	9.3	LOWR					
32	9.6	NASSE					
33	9.9	PLLA					
34	10.2	NASSE					
35	10.5	NASSE					
36	10.8	ARCA	NASSE				
37	11.1	NASSE	ARCA				
38	11.4	NASSE					
39	11.7	PLLA					
40	12.0	LTR					
41	12.3	NASSE	PLLA				
42	12.6	PLLA	NASSE				
43	12.9	NASSE					
44	13.2	ARCA	NASSE				
45	13.5	PLLA	NASSE				
46	13.8	ARCA	SAPO				
47	14.1	NASSE					
48	14.4	DAPU	PLLA				
49	14.7	LITTER					
50	15.0	ARCA	NASSE				

Species Observed, not Intercepted

CIQU
FIGA
HIIN
MASA
BRMA
GEMI
GNCA
HYGL
SIGA
SABI
VIAM
ERLA
POTE
SOOL
VISA

date entered & initials: 5/24/13

date checked & initials: 5/24/13

LUPINE CENSUS DATA SHEET, continued

scanned? ☐

Plot ID: MBB07 B/M/C (circle one) Date: 5/2/13

Burn status: 2013 Recorder initials: OLSON, JEFFERSON

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N) (L/D)	Tag #	x	y	Comments
4	LUAL	M		D	403	0.7	9.3	update coordinates
4	↓	M		L	158			tnf
4		M		L	401			
5		M		L	162			
5		M		L	163			
5		M		L	195			
5		M		L	170			
5		M		L	171			
5		M		L	168			
5		M		L	169			
5		M		L	229			
5		M		L	167			
5		M		L	166			
4		M		L	160			tnf - was tagged as #400
-		-		-	400			tag removed; not new plant
5		M		L	165			
5		M		L	164			tnf; big plant
3		M		L	157			tnf - gopher?
3	LUAL	I	NEW	L	453	4.3	6.95	
5	LUAL	I	NEW	L	454	3.2	14.4	
3	LUAL	M	NEW	L	458	4.65	7.1	NOT PREVIOUSLY TAGGED
2	↓			L	156			
2				L	241			
3				L	402			
3				L	159			
5				L	231			
⋮	↓							

date entered & initials: 5/25/13

date checked & initials: 5/25/13

FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MBB 07 (B/M/C (circle one)) T1(1.5m) or T2(3.5m) (circle one) Date: 5/3/13

Burn Unit: MAINE Recorders: OLSON, JEFFERSON Phenology:

Burn Status: circle one

00-PRE ___POST (yr01) ___-yr02 ___-yr05 ___-yr10 Other: 01-yr03

Phenological Stage:

Pnt	Tape	Species and substrate codes (highest to lowest)						Species Observed, not Intercepted
1	0.3	BARE						
2	0.6	BARE						
3	0.9	NASSE	ANAR					
4	1.2	BAPU	BLDT					
5	1.5	NASSE						
6	1.8	BRMA						
7	2.1	PLLA	BAPI	NASSE				
8	2.4	BRDI	BAPI	NASSE				
9	2.7	BAPI	ARCA					
10	3.0	NASSE	BAPI	ARCA				
11	3.3	ARCA	NASSE	PLLA				
12	3.6	ARCA	PLLA					
13	3.9	PLLA						
14	4.2	ARCA	PLLA					
15	4.5	ANAR						
16	4.8	PLLA	NASSE					
17	5.1	NASSE						
18	5.4	PLLA						
19	5.7	AVBA	NASSE					
20	6.0	PLLA						
21	6.3	NASSE						
22	6.6	PLLA	FIGA					
23	6.9	NASSE	SIGA					
24	7.2	LOPE	PLLA					
25	7.5	PLLA						
26	7.8	ARCA						
27	8.1	ANAR						
28	8.4	BARE						
29	8.7	NASSE						
30	9.0	AVBA	SIGA	ERCI				
31	9.3	NASSE						
32	9.6	PLLA						
33	9.9	BARE						
34	10.2	PLLA	NASSE					
35	10.5	PLLA	BRMA	ANAR				
36	10.8	NASSE	ANAR					
37	11.1	BAPI	GAPO					
38	11.4	VUBR	BAPI	BRMA				
39	11.7	BAPI						
40	12.0	NASSE						
41	12.3	PLLA						
42	12.6	SIGA	LOPE					
43	12.9	ARCA	BRMA					
44	13.2	AVBA	PLLA					
45	13.5	NASSE	AVBA					
46	13.8	LUAL						
47	14.1	LOPE						
48	14.4	NASSE						
49	14.7	NASSE						
50	15.0	NASSE	BAPI					

date entered & initials: 5/24/13

date checked & initials: 5/24/13

FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MBB 07 B/M/C (circle one) T1(1.5m) or T2(3.5m) (circle one) Date: 5/3/13

Burn Unit: MAHE Recorders: OLSON, JEFFERSON Phenology:

Burn Status: circle one

00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: 01 -yr 03

Phenological Stage:

Pnt	Tape	Species and substrate codes (highest to lowest)						Species Observed, not Intercepted
1	0:3	BAPI	LOPE					SHAR
2	0:6	BAPI	AVBA					MIAV
3	0:9	BAPI	STAT					SIMA
4	1:2	NASSE	BAPI	LOPE				HLIN
5	1:5	LOPE	BRMA	ARCA	BRDI			SOAS
6	1:8	LOPE	NASSE					ELGL
7	2:1	ARCA	NASSE					ERLA
8	2:4	LOPE	ERCI					SABF
9	2:7	LOPE						OXAL
10	3:0	NASSE						~~GEMO~~ = GEML
11	3:3	BRDI	LOPE					BRHO
12	3:6	LOPE						CAAE
13	3:9	BARE						HYGL
14	4:2	BARE						CAPU
15	4:5	BRMA	CHQU					LOMU
16	4:8	ANAN						~~MEIN~~ = MEIN
17	5:1	NASSE						CAPY
18	5:4	LOPE	VUPA					GEDI
19	5:7	NASSE	DAPU					SOOL
20	6:0	BARE						VIAM
21	6:3	BARE						
22	6:6	NASSE	BRDI					
23	6:9	NASSE	DAPI					
24	7:2	NASSE						
25	7:5	BARE						
26	7:8	VISA	DAPU	PLLA				
27	8:1	NASSE	ERCI					
28	8:4	LTR						
29	8:7	NASSE	PLLA	ANAR				
30	9:0	NASSE						
31	9:3	PLLA	ANAR	NASSE				
32	9:6	NASSE	PLLA					
33	9:9	NASSE	PLLA					
34	10:2	NASSE	ANAR					
35	10:5	LOPE	PLLA					
36	10:8	NASSE						
37	11:1	NASSE	LOPE	ERCI	PLLA			
38	11:4	AVBA	PLLA					
39	11:7	NASSE						
40	12:0	BARE						
41	12:3	NASSE						
42	12:6	PLLA						
43	12:9	NASSE	PLLA					
44	13:2	NASSE						
45	13:5	BARE						
46	13:8	LTR						
47	14:1	NASSE						
48	14:4	LOPE	NASSE					
49	14:7	NASSE	LUAR	BRDI				
50	15:0	NASSE	BRDI	LUAR	AVBA			

date entered & initials: 5/24/13

date checked & initials: 5/24/13

PICTURES - #

FMH-17-mod

LUPINE CENSUS DATA SHEET

scanned? ☐

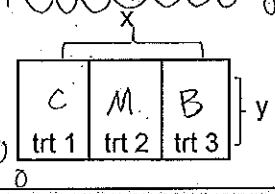
Plot ID: MBB 07 B/M/C (circle one) Date: 5/3/13

Burn Unit: MAKE Recorders: OLSON, JEFFERSON

Burn Status: circle one

00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: 01-yr03

Phenological Stage: _____



Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N) (L/D)	Tag #	x	y	Comments
3	LVAL	M		L	173			
3	"	M		L	174			
4	"	M		L	176			
4	"	"		"	198			
4	"	"		"	177			
4	"	"		"	178			
4	"	"		"	181			
4	"	"		"	179			
—		—		D	234			
5				L	192			
5				L	191			
5				L	196			
5				L	197			
5				L	189			gopher disturbance
5		—		D	232			
5		—		D	190			tnf, pnf
5				L	194			
5				L	225			small plant
5				L	188			tnf
5		—		D	233			pnf → gopher; bad tag
5		—		D	230			tnf, pnf
5		—		D	226			tnf, pnf
5		—		D	227			tnf, pnf
5		—		D	235			tnf, pnf
3				L	175			
5				L	183			tnf
5				L	184			tnf

possible gopher destruction

date entered & initials: 5/24/13

date checked & initials: 5/24/13

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N) (L/D)	Tag #	x	y	Comments
5	LVAL	M	—	L	185			bnf
4	"	M		L	182			
4	"	—		D	425			pnf - sopher?
5	"	M		L	186			bnf
5	"	M		L	184			bnf; big plant
4	"	—		D	180			bnf; pnf; gopher?
5		I	NFW	L	728	9.5	14.4	
5		I	"	L	17	6	14.6	
5		I	"		723	6.6	12.3	
5		I	"	L	893	7.1	12.5	Large plant
3		I	"	L	76	8.7	8.1	
4		I	"	L	892	9.95	11.7	

LUPINE CENSUS DATA SHEET, continued

scanned? ☐

Plot ID: MBB 08 (B)/M/C (circle one) Date: 04/30/13

Burn status: 2013 Recorder initials: Maldonado, Olson.

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
1	LUAL	—		D	25			
1	LUAL	—		D	48			
1	LUAL	M		L	27			
1	LUAL	M		L	26			
1	LUAL	M		L	28			tnf
2	LUAL	M		L	30			
2	LUAL	M		L	46			
3	LUAL	M		L	32			
4	LUAL	M		L	34			
4	LUAL	M		L	35			
5	LUAL	M		L	36			
5	LUAL	M		L	37			
5	LUAL	M		L	884			
5	LUAL	M		L	38			
5	LUAL	M		L	41			
5	LUAL	—		D	885			
5	LUAL	M		L	43			
5	LUAL	M		L	42			
5	LUAL	M		L	40			
5	LUAL	M		L	39			
4	LUAL	M		L	886			
4	LUAL	—		D	33			
2	LUAL	—		D	47			
1	LUAL	—		D	57			
2	LUAL	M		L	31			
4	LUAL	—		D	883			
4	LUAL	M	NEW	L	534	6.0	9.5	
2	LUAL	I	NEW	L	535	6.1	5.85	

date entered & initials: 6/11/13

date checked & initials: 6/11/13

LUPINE CENSUS DATA SHEET, continued

scanned? ☐

Plot ID:_____ B/M/C (circle one) Date:_____

Burn status:_____ Recorder initials:_____

nterval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments

date entered

& initials:

_____

date checked

& initials:

_____

FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MBB 08 ~~B~~/M/(C) (circle one) T1(1.5m) or (T2(3.5m)) (circle one) Date: 04/30/13

Burn Unit: ~~[illegible]~~ MAHE Recorders: Maldonado, Olson Phenology:

Burn Status: circle one

00-PRE ___POST ~~(01-yr01)~~ ___-yr02 ___-yr05 ___-yr10 Other: (01-yr03)

Phenological Stage: ~~[illegible]~~

Pnt	Tape	Species and substrate codes (highest to lowest)						Species Observed, not Intercepted
1	0.3	BRCA	LOPE	VUBR	BAPI			
2	0.6	LOPE	VUBR	BAPI				
3	0.9	BAPI	LOPE	NASSE	ERCI	VUBR		LUAL
4	1.2	BAPI	NASSE	VUBR	GAAP			ERLA
5	1.5	BRCA	NASSE	GAAP				~~FOMA~~
6	1.8	VUBR	BRCA	NASSE				~~HEIN~~
7	2.1	ARCA	BAPI	NASSE				CAAF
8	2.4	ARCA						~~DICA~~
9	2.7	ARCA	SOAS					Agoseres
10	3.0	ARCA	VUBR	BRCA	PLLA			ESCA
11	3.3	BRCA	VUBR	BAPI	NASSE			TRDU
12	3.6	LOPE	ARCA	BRCA	SOOL			~~SEGL~~
13	3.9	BAPI	VUBR	ERCI	NASSE			FRVE
14	4.2	NASSE	VUBR	BAPI				CIVU
15	4.5	BRMA	BAPI	NASSE				SACR
16	4.8	BAPI	BRMA	ARCA	VUBR	GAAP		GNCA
17	5.1	SOAS	NASSE	CAPU	ERCI			[illegible]
18	5.4	VUBR	BAPI					BRMX
19	5.7	BRMA	VUBR	BRHO	BAPI			~~RACL~~
20	6.0	NASSE	BAPI	VUBR				WYAN
21	6.3	NASSE	BAPI					CAPY
22	6.6	NASSE	VUBR	BAPI				LUNA
23	6.9	NASSE	PLLA	VUBR				SIGA
24	7.2	BAPI	LOPE	VUBR	NASSE	PLLA		URLI
25	7.5	VUBR	BAPI	BRDI				GAAP
26	7.8	BRCA	BAPI	VUBR				
27	8.1	VUBR	NASSE					
28	8.4	BAPI	VUBR					
29	8.7	BAPI	NASSE	BRDI				
30	9.0	VUBR	NASSE					
31	9.3	NASSE	BRHO	ERCI				
32	9.6	NASSE	PLER					
33	9.9	NASSE						
34	10.2	NASSE	VUBR					
35	10.5	LOPE	AVBA	BRHO	CAPU			
36	10.8	LOPE	BRHO	ERCA				
37	11.1	NASSE						
38	11.4	LOPE	NASSE					
39	11.7	LOPE	NASSE					
40	12.0	LOPE	NASSE					
41	12.3	BRCA	PLLA					
42	12.6	LOPE	NASSE					
43	12.9	NASSE	BRMA	BRDI	LOPE			
44	13.2	AVBA	LOPE	NASSE				
45	13.5	NASSE						
46	13.8	VUBR	NASSE	PLLA				
47	14.1	NASSE	CAPU					
48	14.4	BRHO	NASSE	VUBR	DAPU			
49	14.7	NASSE	BRHO	ERCI				
50	15.0	BRHO						

any ideas about:
- 3rd one on list above
- SEGL SIGA?
- RANA → is it RACA?

date entered & initials: [initials] 6/10/13

date checked & initials: [initials] 6/10/13

FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MBB 08 B/M/(C) (circle one) T1(1.5m) or T2(3.5m) (circle one) Date: 4/30/13

Burn Unit: MAHE Recorders: Maldonado, Olson Phenology:

Burn Status: circle one

00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: 01-yr03

Phenological Stage:

Pnt	Tape	Species and substrate codes (highest to lowest)						Species Observed, not Intercepted
1	0.3	BAPI	NASSE	LOPE				
2	0.6	BAPI						GAAP
3	0.9	VUBR	BAPI					
4	1.2	VUBR	PLLA					
5	1.5	LOPE	BAPI	NASSE				
6	1.8	BRCA	PLLA					
7	2.1	BRCA	LOPE	BAPI				
8	2.4	LOPE	BRMA	ARCA				
9	2.7	NASSE	PLER					
10	3.0	ANAR						
11	3.3	NASSE	AVBA	BRHO	BRMA	PLER	PLLA	
12	3.6	NASSE	LOPE	BRHO				
13	3.9	BAPI	BRHO	LOPE				
14	4.2	NASSE	BAPI	ERCI	SOOL			
15	4.5	BRMA	BAPI	NASSE	VUBR			
16	4.8	BRMA	VUBR	CAPU	BAPI			
17	5.1	BAPI	BRCA	NASSE				
18	5.4	BAPI	NASSE	VUBR	PLLA			
19	5.7	NASSE						
20	6.0	PLLA	BAPI	VUBR	NASSE			
21	6.3	NASSE	BRHO	VUBR	MADIA			
22	6.6	VUBR	NASSE	ERCI				
23	6.9	NASSE	BAPI	VUBR				
24	7.2	BRDI	NASSE	BAPI	VUBR	ERCI		
25	7.5	NASSE	VUBR					
26	7.8	PLLA	ERCI	BRDI				
27	8.1	NASSE	LOPE	VUBR	ANAR	ERCI		
28	8.4	BRHO	VUBR	NASSE				
29	8.7	LOPE	VUBR					
30	9.0	LOPE	VUBR					
31	9.3	NASSE	LOPE	ERCI	VUBR			
32	9.6	VUBR						
33	9.9	VUBR						
34	10.2	VUBR	LOPE	DAPU	BRHO			
35	10.5	LOPE	NASSE	VUBR				
36	10.8	HYRA	LOPE	NASSE	VUBR	✓		
37	11.1	NASSE						
38	11.4	NASSE						
39	11.7	NASSE	VUBR	BAPI				
40	12.0	NASSE						
41	12.3	LOPE	BAPI	NASSE				
42	12.6	NASSE	BAPI					
43	12.9	NASSE	BAPI					
44	13.2	VUBR						
45	13.5	BRDI	PLER	ERCI				
46	13.8	BRDI	NASSE					
47	14.1	BRDI	NASSE					
48	14.4	bare						
49	14.7	NASSE						
50	15.0	NASSE	AVBA	BAPI	VUBR			

date entered & initials: 6/10/13

date checked & initials: 6/10/13

Agoseras

LUPINE CENSUS DATA SHEET, continued

scanned? ☐

Plot ID: MBB 08 B/M/C (circle one) Date: 4-30-13

Burn status: 2013 Recorder initials: Rehlaender, Zimmerman

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
	LUPA/L	—		D	69			pulled tag
	↓	M		L	70			
		↓		L	82			
				L	65			
				L	66			
				L	78			
				L	83			
				L	63			
		↓		L	64			
		—		D	79			pulled tag
		M		L	61			tag not found
		↓		L	306			
				L	58			
				L	75			
				L	67			
		↓		L	71			
		—		D	74			pnf, tnf
		—		D	76			pnf, tnf
		—		D	77			pnf, tnf
		M		L	80			
		—		D	81			pnf, pulled tag
		M		L	305			
		↓		L	59			
				L	60			
		↓		L	68			
	↓	—		D	72			tnf, pnf

date entered & initials: 6/11/13

date checked & initials: 6/11/13

scanned? ☐

LUPINE CENSUS DATA SHEET, continued

Plot ID:________________ B/M/C (circle one) Date:______________

Burn status:______________ Recorder initials:________________________

nterval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments

date entered & initials: ________

date checked & initials: ________

FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MBB 08 B/M/C (circle one) T1(1.5m) or T2(3.5m) (circle one) Date: 04/30/13

Burn Unit: MAHE Recorders: Maldonado, Olsen Phenology:

Burn Status: circle one

00-PRE ___POST ___-yr01 ~~04-yr04~~ ___-yr05 ___-yr10 Other: 01-yr 03

Phenological Stage:

Pnt.	Tape	Species and substrate codes (highest to lowest)						Species Observed, not Intercepted
1	0.3	PLLA	SHAR					
2	0.6	LOPE	PLLA					
3	0.9	LOPE	VUBR	PLLA				SEE T2 SHEET
4	1.2	BRDI	LOPE	NASSE	VUBR			
5	1.5	VUBR	ERCI					
6	1.8	NASSE	CAPU	TRCA				
7	2.1	NASSE	BRHO	PLER	VUBR			
8	2.4	VUBR	NASSE	HVRA				
9	2.7	VUBR	PLLA					
10	3.0	VUBR						
11	3.3	SIGA	ANAR					
12	3.6	VUBR						
13	3.9	VUBR						
14	4.2	VUBR	PLLA					
15	4.5	VUBR	PLLA					
16	4.8	PLLA	VUBR	LOPE				
17	5.1	PLLA	VUBR					
18	5.4	NASSE	PLLA	LOPE	VUBR			
19	5.7	LOPE	VUBR	ERCI	SIGA			
20	6.0	PLLA						
21	6.3	LOPE	VUBR	PLLA				
22	6.6	NASSE	LOPE	PLLA				
23	6.9	LOPE	PLLA	VUBR				
24	7.2	NASSE	PLLA	VUBR				
25	7.5	VUBR	DAPU	PLLA	NASSE			
26	7.8	NASSE	BRMA	LOPE	PLLA			
27	8.1	NASSE	VUBR					
28	8.4	PLLA	VUBR					
29	8.7	NASSE	PLLA					
30	9.0	LOPE	PLLA					
31	9.3	PLER	LOPE	VUBR				
32	9.6	AVBA	VUBR	PLLA				
33	9.9	ERCI	PLLA					
34	10.2	NASSE						
35	10.5	PLLA	LOPE	NASSE	VUBR			
36	10.8	PLLA	NASSE					
37	11.1	NASSE	PLLA	ERCI				
38	11.4	PLLA	NASSE	VUBR				
39	11.7	VUBR	LOPE					
40	12.0	VUBR						
41	12.3	VUBR	PLLA	PLER	NASSE			
42	12.6	VUBR	ERCI					
43	12.9	VUBR	PLLA					
44	13.2	LOPE	ERCI	VUBR				
45	13.5	VUBR						
46	13.8	AVBA	SHAR	NASSE				
47	14.1	LOPE	PLLA	NASSE				
48	14.4	BRHO	VUBR	PLLA				
49	14.7	BAPI	VUBR	BRMA	ERCI			
50	15.0	VUBR	LOPE					

date entered & initials: 6/11/13

date checked & initials: 6/11/13

LUPINE CENSUS DATA SHEET, continued scanned? ☐

Plot ID: MBB 08 B(M)C (circle one) Date: 4-30-13

Burn status: 2013 Recorder initials: Rehlaender, Zimmerman

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
	LUAL			D	893			pulled tag - plant not found
	"			D	892			" "
				L	6			
				L	19			
				L	8			
				L	20			
				L	7			
				L	890			
				L	304			
				D	21			pulled tag, pnf
				L	12			
				L	14			
				D	22			pulled tag, pnf
				L	23			
				D	18			pnf, pulled tag
	↓			D	24			
	LUAL		new	L	537	1.7	1.5	~15cm from 18, but think is different
				L	4			
				D	888			
				D	891			pnf, tag not found = tnf
				L	1			
				D	887			pnf, pulled tag
					2			pnf, tnf
					3			pnf, tnf
					5			pnf, tnf
					9			pnf, tnf
					11			pnf, tnf
					17			pnf
					13			pnf - near 14
					15			pnf - pulled tag
					16			pnf, tnf
	↓			↓	889			pnf, tnf

date entered & initials: 6/11/13

date checked & initials: 6/11/13

FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MBB 06 B/M/C (circle one) T1(1.5m) or T2(3.5m) (circle one) Date: 04/30/13

Burn Unit: MAHE Recorders: Maldonado M, Olson J Phenology:

Burn Status: circle one

00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: 01 -yr03

Phenological Stage:

Pnt	Tape	Species and substrate codes (highest to lowest)						Species Observed, not Intercepted
1	0.3	LOPE	PLLA	ERCI	AVBA	CHPO		LUNA
2	0.6	VUBR	ERCI					SABE
3	0.9	NASSE	VUBR	ERCI				AICA
4	1.2	ERCI	VUBR					LUAL
5	1.5	VUBR	ERCI					CAPY
6	1.8	VUBR	NASSE					ESCA
7	2.1	VUBR	LOPE	HYRA	BAPI	PLLA		HIIN
8	2.4	LOPE	PLLA	NASSE	VUBR			SIMA
9	2.7	VUBR	NASSE					ARCA
10	3.0	LOPE	BRMA	NASSE				ERLA
11	3.3	LOPE	AVBA	VUBR				SOOL
12	3.6	VUBR	NASSE					VISA
13	3.9	LOPE	BRMA	NASSE				MAFA
14	4.2	NASSE	PLLA					BRCA
15	4.5	NASSE	ERCI					STAJ
16	4.8	VUBR	PLLA					ERBR
17	5.1	VUBR	BRDI	LOPE	PLLA			TODI
18	5.4	LOPE	VUBR	NASSE				RACE
19	5.7	LOPE	VUBR	PLLA				FRVE
20	6.0	LOPE	NASSE	PLLA				ELGL
21	6.3	VUBR	LOPE	PLLA				
22	6.6	NASSE	PLLA					
23	6.9	VUBR	NASSE					
24	7.2	VUBR	LOPE					
25	7.5	LOPE	VUBR					
26	7.8	NASSE	VUBR					
27	8.1	LOPE	VUBR	PLLA				
28	8.4	LOPE	VUBR					
29	8.7	PLLA						
30	9.0	LOPE	VUBR	TRCA				
31	9.3	LOPE						
32	9.6	VUBR	PLLA	ERCI				
33	9.9	VUBR	PLLA	ERCI				
34	10.2	bare						
35	10.5	LOPE	VUBR	PLLA				
36	10.8	ERCI	PLER	VUBR				
37	11.1	VUBR	ERCI	PLLA				
38	11.4	VUBR	PLLA					
39	11.7	LOPE	PLER					
40	12.0	BRDI	VUBR					
41	12.3	NASSE	ERCI	VUBR				
42	12.6	LOPE	NASSE	VUBR				
43	12.9	VUBR						
44	13.2	LOPE	ANAR	ERCI				
45	13.5	NASSE	VUBR					
46	13.8	bare						
47	14.1	LOPE	ERCI	PLLA				
48	14.4	LOPE	PLLA	ERCI				
49	14.7	PLLA	PLER					
50	15.0	BRHO	PLER					

Erodium brachycarpum

date entered & initials: 6/11/13

date checked & initials: 6/11/13

FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MPB 01 B/M/C (circle one) T1(1.5m) or T2(3.5m) (circle one) Date:_____

Burn Unit: Milavka Recorders:_____ Phenology:_____

Burn Status: circle one

00-PRE ___POST 01-yr01 ___-yr02 ___-yr05 ___-yr10 Other: ___-yr___

Phenological Stage:_____

Pnt	Tape	Species and substrate codes (highest to lowest)						Species Observed, not Intercepted
1	0.3							
2	0.6							
3	0.9							
4	1.2							
5	1.5							
6	1.8							
7	2.1							
8	2.4							
9	2.7							
10	3.0							
11	3.3							
12	3.6							
13	3.9							
14	4.2							
15	4.5							
16	4.8							
17	5.1							
18	5.4							
19	5.7							
20	6.0							
21	6.3							
22	6.6							
23	6.9							
24	7.2							
25	7.5							
26	7.8							
27	8.1							
28	8.4							
29	8.7							
30	9.0							
31	9.3							
32	9.6							
33	9.9							
34	10.2							
35	10.5							
36	10.8							
37	11.1							
38	11.4							
39	11.7							
40	12.0							
41	12.3							
42	12.6							
43	12.9							
44	13.2							
45	13.5							
46	13.8							
47	14.1							
48	14.4							
49	14.7							
50	15.0							

date entered & initials: _____

date checked & initials: _____

FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MBB 08 (B)M/C (circle one) (T1(1.5m) or T2(3.5m) (circle one) Date: 4-30-13

Burn Unit: MAHB Recorders: Rehuegar, Zimmerman Phenology:

Burn Status: circle one

00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: 01-yr03

Phenological Stage:

Pnt	Tape	Species and substrate codes (highest to lowest)						Species Observed, not Intercepted
1	0.3	VUBR	NASSE	DAPU				
2	0.6	NASSE						
3	0.9	PLLA						← see back
4	1.2	VUBR						
5	1.5	ERCI	VUBR					
6	1.8	ERBR	ERCI					
7	2.1	LTR						
8	2.4	LOMU	NASSE	PLLA				
9	2.7	ANAR						
10	3.0	BARE						
11	3.3	LOMU	NASSE					
12	3.6	BARE						
13	3.9	BARE						
14	4.2	NASSE	LOMU					
15	4.5	NASSE						
16	4.8	PLLA	ERCI					
17	5.1	AVBA	NASSE	PLLA				
18	5.4	LITTER						
19	5.7	PLER	LUAL					
20	6.0	LUAL						
21	6.3	PLLA						
22	6.6	VUBR	LOMU	PLLA				
23	6.9	VUBR						
24	7.2	NASSE	VUBR	LOMU				
25	7.5	LOMU						
26	7.8	LOMU	VUBR					
27	8.1	NASSE	LOMU	AVBA				
28	8.4	LOMU	ERCI	PLLA	NASSE			
29	8.7	LOMU	NASSE	PLER	VUBR			
30	9.0	LTR						
31	9.3	ERBO	BRMA					
32	9.6	VUBR	NASSE					
33	9.9	BARE						
34	10.2	LOMU	VUBR	VISA				
35	10.5	LOMU						
36	10.8	NASSE	LOMU	ERCI				
37	11.1	VUBR	ERCI					
38	11.4	NASSE	BRHO					
39	11.7	VUBR						
40	12.0	AVBA	VUBR	PLLA				
41	12.3	AVBA	TRDU					
42	12.6	NASSE						
43	12.9	PLLA	ERBO					
44	13.2	VUBR						
45	13.5	NASSE	VUBR					
46	13.8	NASSE	VUBR	BRHO				
47	14.1	ERCI						
48	14.4	PLER						
49	14.7	NASSE						
50	15.0	GERANIUM = GEML						

date entered & initials: 6/10/13

date checked & initials: 6/10/13

FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MBB 08 (B/M/C (circle one)) T1(1.5m) or T2(3.5m) (circle one) Date: 4-30-13

Burn Unit: ~~MEAD~~ MAHE Recorders: Rehloender, Zimmerman Phenology: _____

Burn Status: circle one

00-PRE ___POST (01-yr01) ___-yr02 ___-yr05 ___-yr10 Other: 01-yr03

Phenological Stage: _____

Pnt	Tape	Species and substrate codes (highest to lowest)						Species Observed, not intercepted
1	0:3	PLLA						ESCA
2	0:6	PLLA						ERLA
3	0:9	PLLA						HYLIN
4	1:2	PLER						SIGA
5	1:5	PLER						CAPY
6	1:8	LTR						~~TROB TRGL~~
7	2:1	NASSE						SOOL
8	2:4	NASSE	LOMU	VIBR				ARCA
9	2:7	LOMU	NASSE					LUNA
10	3:0	ERCI						CAPU
11	3:3	ERCI						BAPI
12	3:6	BRHO	DAPU					FIGA
13	3:9	NASSE	TRDU					BEDI
14	4:2	BRHO						CHPO
15	4:5	NASSE	PLLA	AVBA				BRDI
16	4:8	LOMU	PLER	HYGL				
17	5:1	NASSE	LOMU					
18	5:4	LOMU	NASELLA					
19	5:7	NASSE						
20	6:0	LOMU	NASELLA	ANAR				
21	6:3	ERCI	PLLA					
22	6:6	ERCI	PLLA					
23	6:9	PLLA	BRHO	NASELLA				
24	7:2	NASELLA						
25	7:5	NASELLA	ERCI					
26	7:8	NASELLA						
27	8:1	AVBA	VIBR					
28	8:4	LOMU	VIBR					
29	8:7	NASSE	VIBR					
30	9:0	PLER	VIBR					
31	9:3	LTR						
32	9:6	PLER						
33	9:9	VIBR						
34	10:2	ERBR						
35	10:5	PLER	NASSE					
36	10:8	BRHO	TRDU					
37	11:1	LOMU	NASSE					
38	11:4	NASSE						
39	11:7	PLER						
40	12:0	BARE						
41	12:3	ERCI	PLLA	VIBR				
42	12:6	NASSE						
43	12:9	BARE						
44	13:2	AVBA	ERBO	BRHO				
45	13:5	BRHO	NASSE					
46	13:8	PLLA	VIBR					
47	14:1	VIBR						
48	14:4	BARE						
49	14:7	BRHO	VIBR					
50	15:0	VIBR						

date entered & initials: [initials] 6/10/13

date checked & initials: [initials] 6/10/13

FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MBB 09 (B)M/C (circle one) T1(1.5m) or (T2(3.5m) (circle one) Date: 5-2-2013

Burn Unit: MAHE Recorders: Olson, Jefferson Phenology:

Burn Status: circle one

00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: OL-yr03

Phenological Stage:

Pnt	Tape	Species and substrate codes (highest to lowest)						Species Observed, not Intercepted
1	0.3	BACA	RAC-ACMI					
2	0.6	NASSE	VUBR					
3	0.9	LOPE	NASSE					
4	1.2	VUBR	DACA					
5	1.5	LOPE	VUBR	NASSE	BRCA			
6	1.8	VUBR	BRCA	NASSE				
7	2.1	LUAT	NASSE	VUBR				
8	2.4	NASSE	DACA					
9	2.7	LOPE	NASSE	WYAN				
10	3.0	LOPE	DACA					
11	3.3	BRCA	WYAN	VUBR	PLLA			
12	3.6	PLLA	VUBR					
13	3.9	NASSE	LOPE	WYAN	VUBR			
14	4.2	LOPE	WYAN	VUBR				
15	4.5	ERCI	NASSE	DACA	VUBR			
16	4.8	DACA	WYAN					
17	5.1	DACA	NASSE	WYAN	PLLA			
18	5.4	DACA	SIBE	VUBR				
19	5.7	NASSE	VUBR					
20	6.0	VUBR	PLER					
21	6.3	NASSE	PLER	VUBR				
22	6.6	BRCA	AGROS	LOPE				
23	6.9	NASSE	LOPE					
24	7.2	VUBR						
25	7.5	LOPE	BAPI	PLLA	NASSE			
26	7.8	VUBR	LOPE	AGROS				
27	8.1	NASSE	AGROS					
28	8.4	VUBR	PLLA	AGROS				
29	8.7	VUBR	BRCA	LOPE				
30	9.0	AGROS	ERCI					
31	9.3	LOPE	VIAM	VUBR				
32	9.6	BRMX	LOPE	BRCA	AGROS			
33	9.9	LOPE	VUBR	BAPI	AGROS			
34	10.2	BRDI	NASSE	LOPE	VUBR	BAPI		
35	10.5	BRCA	VIAM					
36	10.8	BRCA	LOPE	NASSE				
37	11.1	VUBR	BAPI	PLLA				
38	11.4	LOPE	NASSE	ACMI				
39	11.7	LOPE	BRDI	ACMI	NASSE			
40	12.0	NASSE	BRCA	VISA				
41	12.3	BRCA						
42	12.6	ACMI	LOPE	BRHO				
43	12.9	LOPE	BRCA					
44	13.2	TODI	ELGL	LOMU	AGROS			
45	13.5	LOPE	BRMX	AGROS				
46	13.8	LOPE	AGROS					
47	14.1	LOPE	AGROS	STAJ				
48	14.4	BRCA	LOMU	ACMI	LOPE			
49	14.7	LAVE	LOMU	BRCA				
50	15.0	LOPE	BRCA	BRMX	GEML	BAPI		

date entered & initials: 5/22/13

date checked & initials: 5/22/13

FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MBB 01 (B)/M/C (circle one) T1(1.5m) or T2(3.5m) (circle one) Date: _____

Burn Unit: Milagra Recorders: _____ Phenology: _____

Burn Status: circle one

00-PRE ___POST (01)-yr01 ___-yr02 ___-yr05 ___-yr10 Other: ___-yr___

Phenological Stage: _____

Pnt	Tape	Species and substrate codes (highest to lowest)						Species Observed, not Intercepted
1	0:3							
2	0:6							
3	0:9							
4	1:2							
5	1:5							
6	1:8							
7	2:1							
8	2:4							
9	2:7							
10	3:0							
11	3:3							
12	3:6							
13	3:9							
14	4:2							
15	4:5							
16	4:8							
17	5:1							
18	5:4							
19	5:7							
20	6:0							
21	6:3							
22	6:6							
23	6:9							
24	7:2							
25	7:5							
26	7:8							
27	8:1							
28	8:4							
29	8:7							
30	9:0							
31	9:3							
32	9:6							
33	9:9							
34	10:2							
35	10:5							
36	10:8							
37	11:1							
38	11:4							
39	11:7							
40	12:0							
41	12:3							
42	12:6							
43	12:9							
44	13:2							
45	13:5							
46	13:8							
47	14:1							
48	14:4							
49	14:7							
50	15:0							

date entered & initials: _____

date checked & initials: _____

FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MBR 09 (B)/M/C (circle one) (T1(1.5m)/or T2(3.5m) (circle one) Date: 5-2-13

Burn Unit: MAHE Recorders: Rehkender, Zimmerman Phenology:

Burn Status: circle one

00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: 01-yr 03

Phenological Stage:

Pnt	Tape	Species and substrate codes (highest to lowest)						Species Observed, not Intercepted
1	0 3	LOMIA	AGROS					CAPU
2	0 6	VIIBR	LOMIA	AGROS				BRMY
3	0 9	CAREX						CH PO
4	1 2	DACA	WYAN					RRDI
5	1 5	DACA	BRCA	WYAN	PLLA			ERLA
6	1 8	AGROS	CAREX					CIQU
7	2 1	CAREX	BRCA	VIIBR				TRLX
8	2 4	CAREX	DACA					~~SABE~~ → SABI
9	2 7	VIIBR	LOMIA	CAREX				CAAE
10	3 0	ELGL	NASSE	BRCA				~~RACA~~ → RACL
11	3 3	AGROS	WYAN					SIBE
12	3 6	CAREX						DAPU
13	3 9	DACA						SIGA
14	4 2	PLLA	AGROS					BRMA
15	4 5	BRCA	VIIBR					
16	4 8	WYAN	VIIBR	DACA				
17	5 1	PLLA	DACA					
18	5 4	WYAN	PLLA	VIIBR				
19	5 7	DACA						
20	6 0	NASSE	DACA					
21	6 3	NASSE	LUAL	DACA				
22	6 6	LOMIA	BRCA					
23	6 9	LOMIA	PLLA	NASSE				
24	7 2	DACA	NASSE					
25	7 5	WYAN						
26	7 8	AGROS	NASSE					
27	8 1	GEML						
28	8 4	BARE						
29	8 7	DACA	PLLA					
30	9 0	LOMIA	DACA	VIIBR				
31	9 3	AGROS	BRCA					
32	9 6	LOMIA	PLEP	VIIBR				
33	9 9	BRCA	DACA	PLLA				
34	10 2	NASSE	LUAL					
35	10 5	NASSE						
36	10 8	BRHO	MOK	SIMA	NASSE			
37	11 1	LUAL						
38	11 4	BRCA	NASSE	PCMI	LUAL			
39	11 7	LUAL	NASSE					
40	12 0	BAPI	TODI	STAT				
41	12 3	LOMIA	BRCA	AGROS				
42	12 6	LOMIA	TODI	BAPI				
43	12 9	NASSE	LOMIA					
44	13 2	LOMIA	NASSE					
45	13 5	TODI	NASSE					
46	13 8	BRCA	VIIBR					
47	14 1	NASSE	VIIBR					
48	14 4	VIIBR	NASSE	ELGL				
49	14 7	NASSE						
50	15 0	LOMIA	TODI					

date entered & initials: 5/6/13

date checked & initials: 5/22/13

FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MBB 09 (B)/M/C (circle one) T1(1.5m) or (T2(3.5m)) (circle one) Date: ________

Burn Unit: ~~Mitwaya~~ MAHE Recorders: REHLAENDER, ZIMM Phenology: ________

Burn Status: circle one

00-PRE ___POST (01-yr01) ___-yr02 ___-yr05 ___-yr10 Other: 01-yr 03

Phenological Stage: ________

Pnt	Tape	Species and substrate codes (highest to lowest)						Species Observed, not Intercepted
1	0.3							
2	0.6							
3	0.9							
4	1.2							
5	1.5							
6	1.8							
7	2.1							
8	2.4							
9	2.7							
10	3.0							
11	3.3							
12	3.6							
13	3.9							
14	4.2							
15	4.5							
16	4.8							
17	5.1							
18	5.4							
19	5.7							
20	6.0							
21	6.3							
22	6.6							
23	6.9							
24	7.2							
25	7.5							
26	7.8							
27	8.1							
28	8.4							
29	8.7							
30	9.0							
31	9.3							
32	9.6							
33	9.9							
34	10.2							
35	10.5							
36	10.8							
37	11.1							
38	11.4							
39	11.7							
40	12.0							
41	12.3							
42	12.6							
43	12.9							
44	13.2							
45	13.5							
46	13.8							
47	14.1							
48	14.4							
49	14.7							
50	15.0							

date entered & initials: ________

date checked & initials: ________

LUPINE CENSUS DATA SHEET, continued

scanned? ☐

Plot ID: MBB 09 (B)/M/C (circle one) Date: 5-2-13

Burn status: 01 03 Recorder initials: Zimmerman

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
4	LUAL	M		L	150			tnf
4	LUAL	—		D	149			pulled tag
4	LUAL	—		D	146			
4	LUAL	—		D	145			
3	LUAL	—		D	143			pulled tag
3	LUAL	M		L	140			
3	LUAL	—		D	141			
3	LUAL	I		L	887	10.6	6.2	seedlings

date entered & initials: 5/22/13

date checked & initials: 5/22/13

LUPINE CENSUS DATA SHEET, continued

scanned? ☐

Plot ID:_____ B/M/C (circle one) Date:_____

Burn status:_____ Recorder initials:_____

nterval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments

date entered & initials:

_____

date checked & initials:

_____

FMH-17-mod

LUPINE CENSUS DATA SHEET

scanned? ☐

Plot ID: MBB 09 (B)M/C (circle one) Date: 4-30-13

Burn Unit: MAHE Recorders: Rehlaender

Burn Status: circle one

00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: 01-yr03

Phenological Stage: _____

trt x

not sure if I should put a new tag where there's a blank check map to see if a plant exists nard

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	
5	LUAL			L	153			tnf
4				L	152			
				L				tnf btwn 152 & 151
4				L	151			large clump
4				L	147			
4				L	148			
2				L	135			next to each other.
2				L	136			
2				L	155			
2				L	137			
2				L	138			tnf
1				L	133			
1				L	132			
1				D	134			pnf, tnf
3				L	142			tnf
3				L	139	10.5	7	"x" was wrong-fix coord in db
3 4		I	new	L	15	14.7	6	
3 4		I	new	L	72	14.7	6.05	
4		M	new	L	81	12	10.9	really big but no coord match & no tag (unM) tagged it) ** check this #150? ** JO 5/22

M - pulled 130

date entered & initials: JO 5/22/13

date checked & initials: JO 5/22/13

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments

FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MBB 09 (B)M(C) (circle one) T1(1.5m) or T2(3.5m) (circle one) Date: 4-30-13

Burn Unit: Mitchell MMHE Recorders: REHLAENDER, ZIMMERMAN Phenology: _____

Burn Status: circle one

00-PRE ___POST (01)-yr01 ___-yr02 ___-yr05 ___-yr10 Other: 01-yr03

Phenological Stage: _____

Pnt	Tape	Species and substrate codes (highest to lowest)						Species Observed, not Intercepted
1	0.3	NASSE	HYRA					ARCA
2	0.6	ACMI	PLLA					BRMA
3	0.9	BRCA	LOMU					GEDI
4	1.2	NASSE	HYRA					SOOL
5	1.5	BAPI	SACR	PLLA				BRMY
6	1.8	BAPI	NASSE	PLLA				VISA
7	2.1	LOMU	BAPI					SIBE
8	2.4	LOMU						RACA RACL
9	2.7	NASSE	SIMA					GACA
10	3.0	DACA						CHPO
11	3.3	LOMU	NASSE	DACA	HYRA			GNCN
12	3.6	DACA						
13	3.9	DACA	PLLA					
14	4.2	NASSE						
15	4.5	BRCA						
16	4.8	BAPI	BRCA	VUBR				
17	5.1	LOMU	DACA	BRCA	STAT			
18	5.4	LOMU	BRCA					
19	5.7	NASSE						
20	6.0	WYAN						
21	6.3	DACA						
22	6.6	NASSE	WYAN					
23	6.9	BRMG	PLLA					
24	7.2	NASSE	LILAL	DACA				
25	7.5	BRCA	LILAL					
26	7.8	DACA	LILAL					
27	8.1	DACA	WYAN	PLLA				
28	8.4	TRDU	PLLA					
29	8.7	DACA	PLLA					
30	9.0	WYAN	DACA	PLLA				
31	9.3	PLLA						SOCIAL TRAIL
32	9.6	BARE						
33	9.9	BARE						
34	10.2	BARE						
35	10.5	BARE						
36	10.8	BARE						
37	11.1	PLLA						
38	11.4	BARE						
39	11.7	LILAL	SIMA					
40	12.0	NASSE						
41	12.3	PLLA						
42	12.6	NASSE						
43	12.9	DACA	PLLA					
44	13.2	PLLA	WYAN					
45	13.5	NASSE						
46	13.8	DACA						
47	14.1	NASSE						
48	14.4	BARE						
49	14.7	PLLA						
50	15.0	BRCA						

date entered & initials: JO 5/22/13

date checked & initials: JO 5/22/13

FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MBB 09 B/M/C (circle one) T1(1.5m) or T2(3.5m) (circle one) Date: 4-30-13

Burn Unit: MAHE Recorders: REHLANDER, ZIMMERMAN Phenology:

Burn Status (circle one)

00-PRE POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: 01-yr 03

Phenological Stage:

Pnt	Tape	Species and substrate codes (highest to lowest)						Species Observed, not Intercepted
1	0.3	LOMU	PLLA	STAS	WYAN			
2	0.6	BAPI	LOMU					
3	0.9	LOMU						
4	1.2	BRCA						
5	1.5	BRCA						
6	1.8	ELGL	BRCA					
7	2.1	BRCA						
8	2.4	BRCA						
9	2.7	PLLA	BRCA	CAPU				
10	3.0	NASSE	LOMU					
11	3.3	DACA	CAOC	NASSE				
12	3.6	BRCA	WYAN					
13	3.9	NASSE						
14	4.2	BRCA	WYAN					
15	4.5	LOMU	BRDI	WYAN	NASSE			
16	4.8	ELGL	BAPI					
17	5.1	BAPI						
18	5.4	BAPI	ACMI					
19	5.7	DACA						
20	6.0	NASSE						
21	6.3	BAPI	DACA					
22	6.6	PLLA	NASSE					
23	6.9	BRCA	LOMU	NASSE	DACA			
24	7.2	WYAN	DACA	BRCA				
25	7.5	NASSE						
26	7.8	WYAN						
27	8.1	BRCA						
28	8.4	BRCA	DACA					
29	8.7	BAPI	PLLA					
30	9.0	BRCA						
31	9.3	LTR						
32	9.6	BRCA						
33	9.9	LUAL	BRCA	NASSE				
34	10.2	NASSE	PLLA					
35	10.5	NASSE						
36	10.8	PLLA	WYAN					
37	11.1	BRCA	BAPI	PLLA				
38	11.4	BRCA	TODI	LOMU	VIMBR	CAOC		
39	11.7	BAPI	VIMBR	LOMU	BRCA			
40	12.0	BRDI	BRCA	NASSE	CAOC	VIMBR		
41	12.3	BRCA						
42	12.6	NASSE						
43	12.9	BAPI	LOMU	NASSE				
44	13.2	LOMU	NASSE					
45	13.5	VIMBR	BRHO					
46	13.8	LOMU						
47	14.1	NASSE	TODI	ELGL				
48	14.4	BRCA						
49	14.7	BRCA						
50	15.0	BRCA	BAPI	VIMBR	TODI			

date entered & initials: 5/22/13

date checked & initials: 5/22/13

FMH-17-mod

LUPINE CENSUS DATA SHEET

scanned? ☐

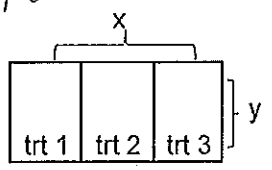
Plot ID: MBB 09 B/M(C) (circle one) Date: 4/30/13

Burn Unit: MAITE Recorders: OLSON, MALDONADO

Burn Status: circle one

00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: 01-yr 03

Phenological Stage: _____



Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
1	LUAL	M		L	84			
1	LUAL	M		L	85			
2	LUAL	M		L	87			
3	LUAL	M		L	97			
2	LUAL	M		L	88			
2	LUAL	M		L	89			
2	LUAL	↓		L	202			
3	LUAL	↓		L	94			
3	LUAL	M		L	93			
3	LUAL	M		L	96			
4	LUAL	M		L	103			
4	LUAL	M		L	104			
4		↓		L	115			huge!
4	LUAL	↓		L	108			
4	LUAL	↓		L	107			
4	LUAL	↓		L	109			
5	LUAL	M		L	117			
4	LUAL	M		L	114			
4	LUAL	↓		L	120			
4	LUAL	↓		L	201			-in social trail
4	LUAL	↓		L	200			" "
4	LUAL	↓		L	121			" "
4	LUAL	↓		L	112			
3	LUAL	↓		D	106			pnF
4	LUAL	M		L	113			tnf, in social trail
5	LUAL	M		L	116			
5	LUAL	M		L	118			

Missing #95, 105

date entered & initials: 5/23/13

date checked & initials: 5/23/13

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
2	LUAL	M		L	99			
4	LUAL	M		L	110			
4	"	"		L	111			
3	"	"		L	98			
3	"	"		L	100			tnf; big plant presumed alive
3	"	"		L	90			tnf
3	"	"		L	91			tnf → big clump!
3	↓	↓		L	92			tnf

FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MBB 09 (B/M/C (circle one)) T1(1.5m) or T2(3.5m) (circle one) Date: 5/2/2013

Burn Unit: Mikaya MAHE Recorders: Jefferson, Olson Phenology:

Burn Status: circle one

00-PRE ___POST (01-yr01) ___-yr02 ___-yr05 ___-yr10 Other: (01-yr03)

Phenological Stage:

Pnt	Tape	Species and substrate codes (highest to lowest)						Species Observed, not Intercepted
1	0:3	NASSE						TODI
2	0:6	LOPE	PLLA					STAJ
3	0:9	NASSE	LOPE					SIGA
4	1:2	LOPE	NASSE	PLLA				DUFA
5	1:5	LOPE	PLLA	ERCI				DAPU
6	1:8	LOPE	PLLA					GNCN
7	2:1	BRCA	VUBR					CAAF
8	2:4	AGROS	LOPE	VUBR				SIMA
9	2:7	VUBR	BAPI	VIAM	AGROS			HYRA
10	3:0	VUBR	BAPI	PLLA	AGROS			WYAN
11	3:3	PLLA	BAPI	RACAL	AGROS			ARCA
12	3:6	PLLA	LOPE	NASSE				LUAI
13	3:9	ELGL	LOPE	NASSE	AGROS			TRLX
14	4:2	BRCA	VUBR	LOPE				GEML
15	4:5	NASSE	BAPI	BRCA				CAREX
16	4:8	CIQU	NASSE	PLLA				LUCO
17	5:1	AGROS						SAAR
18	5:4	DACA	BRHO	NASSE				SACR
19	5:7	DACA	NASSE					SABI
20	6:0	DACA	PLLA					CHPO
21	6:3	NASSE	PLLA					CAPY
22	6:6	NASSE	VUBR					CAOC
23	6:9	NASSE	CAPU					
24	7:2	CIQU	NASSE					
25	7:5	NASSE	VUBR					
26	7:8	NASSE						
27	8:1	BRHO	BRCA	LOPE				
28	8:4	NASSE	VUBR	LOPE	CAPU			
29	8:7	NASSE	LOPE	VUBR				
30	9:0	NASSE	LOPE	BRMA	PLLA	VUBR		
31	9:3	NASSE						
32	9:6	NASSE	PLER					
33	9:9	NASSE	PLER					
34	10:2	PLER	PLLA	BRCA				
35	10:5	VIABR	LOPE					
36	10:8	NASSE	PLLA	AVBA				
37	11:1	NASSE	ACMI					
38	11:4	LOPE						
39	11:7	NASSE	LOPE					
40	12:0	NASSE	ERLA					
41	12:3	NASSE	BRHO					
42	12:6	BRDI	BRCA	BRHO	PLLA			
43	12:9	NASSE	LOPE	ACMI				
44	13:2	BRDI	LOPE	ACMI				
45	13:5	ACMI						
46	13:8	LOPE	ELGL	GAPO				
47	14:1	ACMI	NASSE	CAPU	VIAM			
48	14:4	BRCA	NASSE	VUBR				
49	14:7	BRCA	LOPE	NASSE				
50	15:0	BRCA	LOPE					

date entered & initials: 5/23/12

date checked & initials: 5/23/12

FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MBB 09 B/M/C (circle one) T1(1.5m) or T2(3.5m) (circle one) Date: 5/2/13

Burn Unit: MAHE Recorders: JEFFERSON, OLSON Phenology:

Burn Status: circle one-

00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: 01-yr03

Phenological Stage:

Pnt	Tape	Species and substrate codes (highest to lowest)						Species Observed, not Intercepted
1	0:3	LOPE	BRCA	BAPI	PLLA			
2	0:6	NASSE	LOPE	PLLA	ERCI			
3	0:9	NASSE	BRHO	CAPU				
4	1:2	BRCA	LOPE					
5	1:5	LOPE	VUBR					
6	1:8	LOPE	NASSE	CAPU	ERCI			
7	2:1	VUBR	NASSE	PLLA				
8	2:4	LOPE						
9	2:7	NASSE	ELGL					
10	3:0	LOPE	VUBR	ERCI				
11	3:3	NASSE	LOPE					
12	3:6	NASSE	BRCA					
13	3:9	NASSE	ERCI	LOPE				
14	4:2	NASSE	VUBR					
15	4:5	ELGL	LOPE	CIQU				
16	4:8	LOPE	NASSE	AVBA	VUBR			
17	5:1	LOPE	PLLA					
18	5:4	NASSE	PLLA	KOMA				
19	5:7	VUBR	NASSE	PLLA				
20	6:0	VUBR	NASSE					
21	6:3	SIBE	DACA					
22	6:6	NASSE	ELGL	PLLA				
23	6:9	ELGL	LOPE					
24	7:2	DACA	PLLA					
25	7:5	PLLA						
26	7:8	NASSE	PLLA					
27	8:1	NASSE	GAPO					
28	8:4	NASSE						
29	8:7	LOPE	PLER					
30	9:0	NASSE	VUBR	LOPE				
31	9:3	PLLA	AVBA	VUBR	LOPE			
32	9:6	AVBA	BRDI	VUBR	ERCI			
33	9:9	BOCK						
34	10:2	LOPE	ERCI					
35	10:5	LOPE	SOAS					
36	10:8	BOCK						
37	11:1	ACMI	OXALI					
38	11:4	ACMI	VUBR					
39	11:7	LOPE	NASSE	ACMI				
40	12:0	NASSE	LOPE	PLLA				
41	12:3	NASSE						
42	12:6	LOPE	BRCA					
43	12:9	LOPE	VUBR	BAPI				
44	13:2	NASSE	BRCA					
45	13:5	NASSE	LOPE	VUBR				
46	13:8	LOPE	BRMX					
47	14:1	BAPI	LOPE	PLLA				
48	14:4	BRCA	LOPE					
49	14:7	LOPE	BRCA					
50	15:0	PLLA	AVBA	BAPI	VUBR			

date entered & initials: 5/23/13

date checked & initials: 5/23/13

FMH-17-mod

LUPINE CENSUS DATA SHEET

scanned? ☐

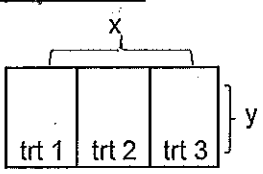
Plot ID: MBB 09 B/M/C (circle one) Date: 4-30-13

Burn Unit: MAHE Recorders: Rehlaender

Burn Status: circle one

00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: 01-yr03

Phenological Stage: _____



Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
3	LUAL			L	124			
4	"			L	205			
5	"			L	204			
4	"			L	125			
3	"			L	128			} next to each other
3	"			L	129			
3	"			L	203			
3	"			L	123			tag not found
3	"		new	L	489	10.1	7.5	
3	"		new	L	666	10.3	7.6	

date entered & initials: CO 5/23/13

date checked & initials: CO 5/23/13

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments

FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MBB 10 (B)M/C (circle one) (T1(1.5m)) or T2(3.5m) (circle one) Date: 5-1-13

Burn Unit: Milagra Recorders: Rehlaender Anderson Phenology:

Burn Status: circle one

00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: (01-yr03)

Phenological Stage:

Pnt	Tape	Species and substrate codes (highest to lowest)					
1	0.3	LTR					
2	0.6	NASSE	MOSS				
3	0.9	NASSE	ERCI				
4	1.2	BRDI					
5	1.5	NASSE					
6	1.8	BRHO	LUAL				
7	2.1	PLER					
8	2.4	NASSE	MOSS				
9	2.7	LOWR	PLER	MOSS			
10	3.0	TRPU	PLER	MOSS			
11	3.3	NASSE	VUBR				
12	3.6	NASSE	ERCI	BRDI			
13	3.9	LUAL	VUBR				
14	4.2	MOSS					
15	4.5	LOWR	AICA				
16	4.8	LOWR					
17	5.1	PLER	BRDI				
18	5.4	PLER	ERBO				
19	5.7	NASSE	MOSS				
20	6.0	FIGA	MOSS				
21	6.3	NASSE	MOSS				
22	6.6	NASSE					
23	6.9	NASSE	BRHO	PLER			
24	7.2	DAPU	CHPO				
25	7.5	BRHO	NASSE				
26	7.8	VUBR					
27	8.1	AVBA	ERLA	NASSE			
28	8.4	NASSE					
29	8.7	BRHO	ERCI				
30	9.0	DAPU	AVBA				
31	9.3	BRDS	DAPU				
32	9.6	NASSE					
33	9.9	PLER	NASSE	LOWR			
34	10.2	NASSE	FIGA	MOSS			
35	10.5	NASSE	MOSS				
36	10.8	NASSE	PLER	SIGA			
37	11.1	PLER	NASSE				
38	11.4	NASSE	FIGA				
39	11.7	NASSE					
40	12.0	FIGA					
41	12.3	LTR					
42	12.6	MOSS					
43	12.9	LOWR	MOSS				
44	13.2	BRDI					
45	13.5	NASSE					
46	13.8	NASSE	LOMU	PLER	MOSS		
47	14.1	ERCI	MOSS				
48	14.4	TRMA	AICA				
49	14.7	VUBR					
50	15.0	LOMU					

Species Observed, not Intercepted

HIEW
ANAR
SAAR
TRDU
CAAE
ARCA
BAPI
DUFA
LUNA (called LUPIA in post)
MOVI
?
URPI
CRCO
CAED
OXAL

date entered & initials: 6/10/13

date checked & initials: 6/10/13

FMH-16-mod

15-METER TRANSECT DATA SHEET

Plot ID: MBB 010 (B)/M/C (circle one) T1(1.5m) or (T2(3.5m)) (circle one) Date: 5-1-13

Burn Unit: Milagra Recorders: Rehlaender, Anderson Phenology:

Burn Status: circle one

00-PRE ___POST (01-yr01) ___-yr02 ___-yr05 ___-yr10 Other: (01-yr 03)

Phenological Stage:

Pnt	Tape	Species and substrate codes (highest to lowest)						Species Observed, not Intercepted
1	0.3	NASSE	ERCI					
2	0.6	BRDS	NASSE					
3	0.9	MOSS						
4	1.2	MOSS						
5	1.5	BRDS	ERBR					
6	1.8	LOMU	BRHO					
7	2.1	NASSE	MEPO	ERCI				
8	2.4	PLER						
9	2.7	AVBA	ERLA					
10	3.0	LOMU						
11	3.3	PLER						
12	3.6	LOWR	PLER					
13	3.9	BRHO						
14	4.2	BRDS						
15	4.5	NASSE						
16	4.8	NASSE	ERLA					
17	5.1	NASSE	PLER	HYGL				
18	5.4	NASSE	MOSS					
19	5.7	PLER						
20	6.0	ERBR						
21	6.3	BRHO	ERCI					
22	6.6	NASSE	PLER					
23	6.9	BRDS	AVBA					
24	7.2	LOMU						
25	7.5	DAPU	BRMA	LOMU				
26	7.8	HYGL						
27	8.1	LTR						
28	8.4	NASSE						
29	8.7	KOMA						
30	9.0	NASSE						
31	9.3	BARE						
32	9.6	BRDS	NASSE	PLLA				
33	9.9	NASSE	PLER					
34	10.2	ETGA						
35	10.5	NASSE						
36	10.8	PLER						
37	11.1	VUBR						
38	11.4	BRHO						
39	11.7	HYGL						
40	12.0	LUAL						
41	12.3	NASSE						
42	12.6	NASSE	VUBR	MOSS				
43	12.9	SEGA	MOSS					
44	13.2	BRHO						
45	13.5	NASSE						
46	13.8	NASSE						
47	14.1	ETGA						
48	14.4	MOSS						
49	14.7	PLER						
50	15.0	PLER						

date entered & initials: 6/10/13

date checked & initials: 6/10/13

LUPINE CENSUS DATA SHEET, continued scanned? ☐

Plot ID: MBB 10 (B)/M/C (circle one) Date: 5-1-13

Burn status: 01 yr 03 Recorder initials: A. Anderson

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
1	LUNL	I	N	L	350	4.1	1.60	
1	"	I	"	L	347	3.6	1.0	
1	"	I	"	L	346	3.8	0.4	
1	"	I	"	L	351	4.1	1.8	
1	"	I	"	L	344	4.7	1.9	
1	"	I	"	L	345	3.7	1.9	
1	"	M	"	L	464			
2	"	M	"	L	2050			
2	"	I	"	L	348	3.7	3.2	
2	"	I	"	L	362	3.5	3.2	
2	"	I	"	L	360	3.6	4.1	
2	"	I	"	L	365	4.4	4.2	
2	"	M	"	L	477			
2	"	I	"	L	364	3.7	5.4	
2	"	I	"	L	367	3.7	5.3	
2	"	I	"	L	361	3.5	5.6	
2	"	I	"	L	366	4.6	5.8	
3	"	I	"	L	363	3.6	6.8	
3	"	M	"	L	503			
3	"	I	"	L	368	4.7	7.5	
3	"	I	"	L	377	4.8	7.5	
3	"	I	"	L	376	4.1	7.7	
2	"	M	"	L	478			NO Tag
3	"	—	"	D	228			pulled tag
1	"	—	"	D	454			NO tag, NO plant
	"		"	D	462			NO tag or plant
	"		"	D	463			NO tag or plant
	"		"	D	483			NO tag or plant
	"		"	D	484			NO tag or plant
	"		"	D	2069			NO tag or plant
	↓		↓	D	2070			pulled tag

date entered & initials: 5/21/13 5/23/13

date checked & initials: 5/21/13 5/23/13

B Sheet 2 of ___

FMH-17-mod

LUPINE CENSUS DATA SHEET

scanned? ☐

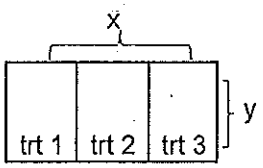
Plot ID: MBB 10 B/M/C (circle one) Date: 5-1-2013

Burn Unit: Milagra Recorders: Anderson

Burn Status: circle one

00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: 91-yr 03

Phenological Stage: ___



Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
1	LUPI	M	N	Y	459?			NO TAG
1	"	M	"	Y	460			
1	"	I	NEW	Y	436	2.8	0.1	
1	"	I	"	Y	438	2.7	1.0	
1	"	I	"	Y	439	3.4	0.8	
1	"	I	"	Y	437	2.3	0.6	
1	"	I	"	Y	434	2.6	0.2	
1	"	I	"	Y	442	1.7	0.5	
1	"	I	"	Y	440	2.0	1.3	
1	"	I	"	Y	443	1.6	1.9	
1	"	—	"	D	2068			Dead — Tag pulled
1	"	M	"	Y	2024			
1	"	I	"	Y	435	2.2	1.5	
1	"	I	"	Y	444	2.8	1.4	
1	"	I	"	Y	441	2.7	1.4	
1	"	I	"	Y	451	3.2	1.0	
1	"	I	"	Y	457	2.4	2.1	
1	"	M	"	Y	468			
1	"	—	"	D	466			D-Tag pulled
2	"	M	"	L	473			
2	"	M	"	L	465			
1	"	M	"	L	472			NO TAG
1	"	I	NEW	L	447	3.0	2.8	
2	"	I	NEW	L	448	1.6	3.3	
2	"	M	"	L	478			
2	"	M	"	L	476			
	"	—	"	D	480			Pulled tag

date entered

& initials: 5/21/13 5/23/13

date checked

& initials: 5/21/13 5/23/13

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
2	LUAL	I	N	L	450	3.2	4.9	
2	"	I	"	L	445	2.8	5.8	
2	"	M	"	L	481			
3	"	M	"	L	482			
3	"	M	"	L	487			
3	"	M	"	L	488			
3	"	M	"	L	495			
3	"	M	"	L	511			
4	"	I	"	L	327	3.2	9.3	
4	"	M	"	L	492			
4	"	—	"	D	193			
5	"	M	"	L	498			
5	"	M	"	L	497			
5	"	M	"	L	501			
5	"	M	"	L	502			
5	"	M	"	L	499			
5	"	M	"	L	500			
3	"	—	"	D	2056			Pulled Tag
1	"	M	"	L	461			
1	"	—	"	D	471?			No tag. Lupine stump in vicinity
1	"	M	"	L	470			
1	"	M	"	L	474			
3	"	—	"	D	228			Tag pulled.
2	"	I	"	L	449	2.7	5.7	
2	"	I	"	L	446	2.3	5.3	
1	"	I	"	L	452	2.3	3.0	
2	"	I	"	L	325	2.6	3.1	
2	"	I	"	L	329	2.7	3.1	
3	"	I	"	L	326	1.8	10.8	
1	"	M	"	L	2063			
1	"	I	"	L	324	3.6	1.5	
1	"	I	"	L	328	3.9	0.4	
1	"	—	"	D	2076			No plant, pulled tag

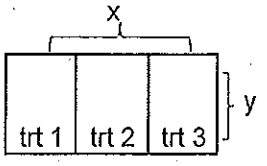
FMH-17-mod

LUPINE CENSUS DATA SHEET

scanned? ☐

Plot ID: MBB 10 (B)M/C (circle one) Date: 5-1-13

Burn Unit: Milagra Recorders: Rehlaender,



Burn Status: circle one

00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: 01-yr03

Phenological Stage: _____

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
1	LUAL	M		L	453			
1	"	M		L	455			
1	"	I	new	L	2081	0.5	0.9	
1	"	-		D	2077			pulled tag
1	"	M		L	2024			
1	"	M		L	457			
1	"	I	new	L	277	0.8	0.9	
1	"	I	new	L	307	0.8	0.8	
1	"	I	new	L	716	0.85	0.85	
1	"	I	new	L	312	0.95	0.7	
1	"	I	new	L	388	0.4	1.0	
1	"	M		L	458			
1	"	I	new	L	134	1.25	0.6	tiny
1	"	I	new	L	2061	1.3	1.0	stepped on
1	"	I	new	L	364	1.3	1.1	
1	"	I	new	L	383	1.3	1.15	
1	"	I	new	L	369	0.3	1.4	
1	"	I	new	L	2	0.2	1.4	
1	"	I	new	L	382	0.1	1.3	
1	"	M		L	467			
2	"	M		L	469			
2	"	M		L	475			
3	"	M		L	479			
3	"	M		L	485			
1	"	I	new	L	344	1.2	2.0	
1	"	I	new	L	390	0.9	1.1	
1	↓	I	new	L	311	0.6	1.8	edge of #458

date entered & initials: EO 5/21/13 5/23/13

date checked & initials: EO 5/21/13 5/23/13

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
1	LUAL	I	new	L	308	0.3	2.4	
1		I	new	L	309	0.3	2.5	
2		I	new	L	310	0.25	3.8	
2		I	new	L	312	0.15	3.9	
2		"	"	"	307	0.6	4.7	
2		"	"	"	313	1.05	4.85	tiny
2		"	"	"	314	0.7	4.9	sickly
2		"	"	"	315	0.8	4.9	sickly
2		"	"	"	316	0.8	4.9	1 cm from 315
2		"	"	"	317	1.4	4.7	
2		"	"	"	318	1.2	4.95	
2		"	"	"	319	0.6	4.85	nearly dead
2		"	"	"	320	0.4	4.85	
2		"	"	"	321	0.3	4.8	
2		"	"	"	322	1.0	5.5	
2		"	"	"	323	1.3	5.3	
3		"	"	"	330	1.2	6.5	
3		"	"	"	331	1.3	6.3	
3		"	"	"	332	0.4	6.4	
3		"	"	"	333	0.95	6.9	
3		"	"	"	334	1.3	7.0	
3		"	"	"	335	0.4	7.0	
3		"	"	"	336	1.3	7.3	
3		"	"	"	337	0.05	7.3	
3		"	"	"	338	0.1	7.4	
3		↓	↓	↓	339	1.4	7.2	barely there
		M		L	490			
		M		L	491			
3		I	new	L	340	0.4	8.3	sickly
3		I	new	L	341	0.4	8.45	
		–		D	54			pnf, tnf; pulled tag
5		M		L	507			
3		I	new	L	342	0.9	8.3	
5		I	new	L	343	1.15	12.8	

EO 5/24/13

EO 5/23/13

Park/Unit 4-Character Alpha Code: sheet 4

FMH-17-mod **LUPINE CENSUS DATA SHEET**

Plot ID: MBB 10 (B)/M/C (Circle One) Date: 5/1/13

Burn Unit: Milagra Recorders: W.R. Phenology:

00-PRE ____ Post ____ -yr01 ____ -yr02 ____ -yr05 ____ -yr10 ____ -yr20 Other: 01 -yr 03; ____ -mo ____

Int	Spp	Age	Live	Tag Num	Tally	
	LUAL	M	N (Y)	493		
4		M	N (Y)	494		
		M	N (Y)	505		
		M	N (Y)	506		
		M	N (Y)	508	tnf	
		M	N (Y)	509		
		M	N (Y)	510		
5		I - new	N (Y)	352	4.2	12.1
4			N (Y)	353	4.95	12.0
4			N (Y)	354	4.8	11.8
4			N (Y)	355	4.5	11.65
4			N (Y)	356	4.45	11.6
4			N (Y)	357	4.5	11.55
4			N (Y)	358	4.45	11.5 sickly
4			N (Y)	359	4.7	10.8
4			N (Y)	369	4.10	8.9
4			N (Y)	370	4.2	8.75
4			N (Y)	371	4.0	8.6 sickly
4			N (Y)	372	4.5	8.9
4			N (Y)	373	4.25	8.7
			N (Y)	374	4.6	8.6
			N (Y)	375	4.65	8.65
			N (Y)	376	4.95	8.0
			N (Y)	379	4.85	8.3

AgeClassCodes: I Immature–Seedling R Resprout M Mature–Adult

Date entered: 5/21/13 5/23/13 Entered by: Date checked: 5/21/13 5/23/13 Checked by:

Park/Unit 4-Character Alpha Code: sheet 5

FMH-17-mod **LUPINE CENSUS DATA SHEET**

Plot ID: MBB 10 (B)/M/C (Circle One) Date: 5/1/13

Burn Unit: MAHE Recorders: _____ Phenology: _____

00-PRE ____ Post 01 -yr01 ____ -yr02 ____ -yr05 ____ -yr10 ____ -yr20 Other: ____ -yr ____ ; ____ -mo ____

Int	Spp	Age	Live	Tag Num	x	y	Tally
3	LUAL	M	N (Y)	45			
4		I-new	N (Y)	381	4.18	9.55	
4		I-new	N (Y)	382	4.99	9.2	
		—	(N) Y	489	no plant or tag		
		—	(N) Y	496	no plant or tag		
		—	(N) Y	486	no plant or tag		
3		M	N (Y)	504			
4		M	N (Y)	518			
			(N) Y	349			
		I-new	N (Y)	366	3.7	6.0	
	↓	↓	N (Y)	380	4.85	9.1	trampled
3	LUAL	I	N (Y)	255	4.6	8.6	
7	LUAL	I	N Y	253	1.9	1.2	nearly dead
1	LUAL	I	N Y	254	2.8	2.1	
3		I	N Y	256	3.8	10.7	
			N Y				
			N Y				
			N Y				
			N Y				
			N Y				
			N Y				
			N Y				
			N Y				
			N Y				
			N				

AgeClassCodes: I Immature–Seedling R Resprout M Mature–Adult

Date entered: 5/21/13 5/23/13 Entered by: _____ Date checked: 5/21/13 5/23/13 Checked by: _____

FMH-17-mod

LUPINE CENSUS DATA SHEET

scanned? ☐

Plot ID: MBB 10
B/M/C (circle one): C
Date: 5-1-2013
Burn Unit: Milagra
Recorders: A. Andelson

Burn Status: circle one
00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: 01-yr 03

X / Y: trt 1 | trt 2 | trt 3

*#787 Near Guard/C border needs recording

Phenological Stage:

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
5	LUAL	I	new	L	388	6.0	14.4	
5	↓	M		L	564			
5		I	new	L	384	6.2	13.5	
5		I	↓	L	383	6.2	13.1	
5		I		L	385	5.7	13.5	
5		I		L	386	5.3	13.5	
5		I	↓	L	387	5.05	12.6	
5		M		L	~~397~~	~~6.0~~	~~13.9~~	Larger lupine w/o Tag, and no nearby coordinates. Tagged.
5		M		L	563			
4		M		L	562			
4		M		L	569			
4		–		D	568			Pulled Tag
4		I	new	L	399	5.3	10.7	
4		I	new	L	398	5.2	10.6	
4		M		L	561			
4		I	new	L	396	5.6	10.5	
4		I	↓	L	577	5.4	10.5	
4		I		L	743	5.9	10.4	
4		I		L	568	6.1	10.4	
4		I		L	694	6.1	10.3	
4		I		L	693	6.2	10	
4	↓	I	↓	L	635	6.3	9.7	
4		M		L	559			Big. No Tag, found w/ coords.
4		M		L	557			

date entered & initials: [initials] 5/21/13 5/23/13

date checked & initials: [initials] 5/21/13 5/23/13

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments

FMH-17-mod

LUPINE CENSUS DATA SHEET

scanned? ☐

Plot ID: MBB 10 B/M/C (circle one) Date: 5/1/2013

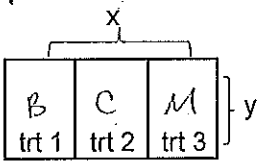
Burn Unit: Mitigation Recorders: K.WAN

J. OLSON – 5/7/13

Burn Status: circle one

00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: 01-yr 03

Phenological Stage:



Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
1	LUAL	M	N	Y	513			
2	LUAL	M	N	Y	515			
2		—	—	N	518			← not in database – check
2	LUAL	—	—	N	5310			
2	LUAL	M	N	Y	587			
3	LUAL	M	N	Y	551			
3	LUAL	M	N	Y	552			
3	LUAL	I	NEW	Y	389	5.1	6	
3	LUAL	M	N	Y	517			
3	LUAL	I	NEW	Y	390	5.05	8.15	
3	LUAL	M	NEW	Y	391	5.4	7.9	
1	LUAL	M	NEW	Y	392	5.3	2.15	
1	LUAL	M	NEW	Y	393	5.3	2.65	
2	LUAL	M	NEW	Y	394	5.6	4.35	
3	LUAL	I	NEW	Y	395	5.05	6.4	
4	LUAL	I	NEW	Y	711	5.05	9.2	
3	LUAL	M	NEW	Y	786	5.05	8.3	
3	LUAL	I	NEW	Y	749	5.05	9	
4	LUAL	I	NEW	Y	726	5.2	9.1	
4	LUAL	I	NEW	Y	620	6.7	9.05	
4	LUAL	I	NEW	Y	783	6.9	9.15	
3	LUAL	I	NEW	Y	689	6.1	8.4	→ JO 5/7/13
1	LUAL	I	NEW	Y	197	5.5	1.5	
1	LUAL	I	NEW	Y	198	5.1	0.7	
4	LUAL	I	NEW	Y	199	5.3	9.3	
4	LUAL	I	NEW	Y	200	5.9	9.2	
4	LUAL	I	NEW	Y	201	6	9.5	

date entered & initials: 5/23/13

date checked & initials: 5/23/13

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
4	LVAZ	I	NEW	L	202	6.2	9.7	
4	↓	↓	↓	↓	203	6.45	9.65	
4	↓	↓	↓	↓	204	6.45	9.5	
3	↓	↓	↓	↓	205	6.1	8.4	
4	↓	↓	↓	D	990	6.9	9.6	Seedling; dead; not tagged
3	↓	↓	↓	D	991	5.2	8.75	" " no tag; dead
3	↓	↓	↓	L	206	5.9	7.9	
3	↓	↓	↓	↓	207	5.7	7.7	
3	↓	↓	↓	↓	208	6.45	8.2	
3	↓	↓	↓	↓	209	6.65	8.45	
3	↓	↓	↓	↓	210	6.8	8.7	
3	↓	↓	↓	↓	211	5.5	6.9	
2	↓	↓	↓	↓	212	5.8	5.6	
2	↓	↓	↓	↓	213	5.9	5.4	
2	↓	↓	↓	↓	214	5.7	5.3	
3	↓	↓	↓	↓	215	5.5	6	nearly dead
3	↓	↓	↓	↓	216	5.6	6.3	
3	↓	↓	↓	↓	217	6.3	6.6	nearly dead
3	↓	↓	↓	↓	218	6.2	6.7	
2	↓	↓	↓	↓	219	5.8	5	
3	↓	↓	↓	↓	220	5	6	
2	↓	I	NEW	L	221	5.1	4.5	nearly dead
2	↓	↓	↓	↓	222	5	4.15	
2	↓	↓	↓	↓	223	6	3.9	
1	↓	↓	↓	↓	224	9.95	1.3	
2	↓	↓	↓	↓	225	9.2	3	
2	↓	↓	↓	↓	226	8.6	3.3	
2	↓	↓	↓	↓	227	8.9	4	
4	↓	↓	↓	↓	228	8.9	10.4	
4	↓	↓	↓	↓	229	9.2	10.8	nearly dead
4	↓	↓	↓	↓	230	9.75	9	nearly dead
3	↓	↓	↓	↓	231	9.8	8.9	nearly dead

LUPINE CENSUS DATA SHEET, continued

scanned? ☐

Plot ID: MBB 10 B/M/(C) (circle one) Date: 5/7/13

Burn status: 2013 Recorder initials: DZ

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
4	lual	—	—	D	52	8.9	11.1	PNF, TNF
3	lual	I		L	226	6.4	9.7	TNF
1	lual	M		L	512	5.1	0.1	
1	lual	M		L	513	5.15	0.1	
3	lual	M		L	574	10	7.8	
3	lual	M		L	573	9.7	6.25	
3	lual	M		L	572	7.1	5.4	
3	lual	—		D	571	8.1	4.8	TNF
2	lual	—		D	570	5.5	6.0	
5	lual	M		L	567	9.0	14.0	
5	lual	M		L	566	8.2	14.2	
5	lual	M		L	565	5.9	14	
3	lual	M		L	560	7	10	
2	lual	M		L	558	5.8	9.5	TNF
3	lual	M		L	556	6.0	8.5	
3	lual	—		D	555	6.8	8	pulled tag
2	lual	M		L	554	5.65	7.95	
2	lual	M		L	553	5.6	7.5	
3	lual	M		L	550	6.8	6.5	
3	lual	M		D	541	7.5	6.4	tag pulled
3	lual	M		L	549	5.9	6	
3	lual	M		L	547	7.5	7.3	
3	lual	M		L	548	6.6	6	
3	lual	M		L	542	7.6	6.1	
3	lual	—		D	543	7.8	6.5	PNF, TNF

date entered & initials: 5/21/13 5/23/13

date checked & initials: 5/21/13 5/23/13

LUPINE CENSUS DATA SHEET, continued scanned? ☐

Plot ID: MBB 10 B/M/(C) (circle one) Date: 5-7-13

Burn status: 2013 Recorder initials: Rehlaender

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
1	LUAL	I	new	L	1	7.0	1.2	
1	"	"	"	"	2	7.15	1.3	
1	"	"	"	"	3	6.8	1.7	
1	"	"	"	"	4	8.0	2.8	
2	"	"	"	"	5	8.3	3.45	
2	"	"	"	"	6	7.0	3.6	tiny, barely alive
2	"	"	"	"	7	6.9	5.3	tiny
3	"	"	"	"	8	7.4	8.25	
3	"	"	"	"	9	7.1	8.9	518 searched for today, not found
4	"	"	"	"	10	6.6	10.1	
4	"	"	"	"	11	6.9	10.5	
4	"	"	"	"	12	6.9	10.9	
4	"	"	"	"	13	7.5	11.0	
4	"	"	"	"	14	8.2	11.0	
4	↓	↓	↓	↓	980	8.3	11.7	not tagged, since dead (alive earlier this year)

date entered & initials: 5/23/13

date checked & initials: 5/23/13

LUPINE CENSUS DATA SHEET, continued scanned? ☐

Plot ID: MBB10 B/M/C (circle one) Date: 5/21/2013

Burn status: 2013 Recorder initials: [illegible]

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
1	LUAL			L	512			
1				D	519			TNF
1				D	521			TNF
1	LUAL			L	520			
1	LUAL			L	523			
1	LUAL			L	522			TNF
2	LUAL			L	524			
2	LUAL			L	525			TNF
2	LUAL			L	535			
2	LUAL			L	534			
				D	531			TNF + pull Tag
2	LUAL			L	526			
2	LUAL			L	532			TNF
2	LUAL			?	516			Rocks are firm to the pull
				D	527			TNF
				D	533			TNF
2	LUAL			L	528			
2	LUAL			L	539			
2	LUAL			L	529			
2	LUAL			L	538			TNF
2	LUAL			L	540			
3	LUAL			L	544			
3	LUAL			L	545			
3	LUAL			L	546			
2	LUAL			L	530			

date entered & initials: 5/21/13 5/23/13

date checked & initials: 5/21/13 5/23/13

[illegible]

FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MBB 10 B/M/C (circle one) T1(1.5m) or T2(3.5m) (circle one) Date: 5-7-13

Burn Unit: Milagra Recorders: Rehlaender Phenology:

Burn Status: circle one

00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: 01-yr03

Phenological Stage:

Pnt	Tape	Species and substrate codes (highest to lowest)					
1	0.3	BRDS	VUBR				
2	0.6	NASSE	BROS				
3	0.9	PLER					
4	1.2	NASSE					
5	1.5	TRPU	MOSS				
6	1.8	LOMU	ERBB				
7	2.1	BRDS					
8	2.4	BRDS					
9	2.7	NASSE	PLER				
10	3.0	MOSS					
11	3.3	RHAC	BRDS	LOMU			
12	3.6	AVBA					
13	3.9	MOSS					
14	4.2	BARE					
15	4.5	MOSS					
16	4.8	BRDS					
17	5.1	BRDS					
18	5.4	BRDS	NASSE				
19	5.7	LUAL	ERBB				
20	6.0	BRDS					
21	6.3	BRDS					
22	6.6	BARE					
23	6.9	LUAL	PLLA				
24	7.2	BRDS	LUAL	BRHO			
25	7.5	VUBR					
26	7.8	PLER					
27	8.1	NASSE					
28	8.4	BARE					
29	8.7	VUBR	PLER				
30	9.0	PLER					
31	9.3	NASSE					
32	9.6	ERCI					
33	9.9	BRDS	NASSE				
34	10.2	BRDS	PLER				
35	10.5	BRDS					
36	10.8	PHCA					
37	11.1	BRDS	PLER				
38	11.4	BRDS	LOMU				
39	11.7	NASSE					
40	12.0	LOMU	BRHO				
41	12.3	VUBR					
42	12.6	BRDI					
43	12.9	VUBR	BRHO	LOMU			
44	13.2	BRDS	SIGA				
45	13.5	SIGA	SIGA				
46	13.8	BRDS					
47	14.1	NASSE	LOMU				
48	14.4	BRDS	NASSE				
49	14.7	BARE					
50	15.0	BARE					

Species Observed, not Intercepted

DAPU
ANAR
ARCA
HEIN
GRST
ESCA
CHPO
ACPI
CAAF
DUFA
SAAR
Allium
CAPY
VISA
CAAL
ACMI
~~LOCA~~ LOUT

pink flwrs. - call it ALAC bec that's on Milagra spp list

↳ NO INCIDENTS OF ALAC IN MARIN OR S.M. COUNTIES ON CAL FLORA

Inf More side spp last year: (ALDI)

OXAL
LOWR
HYGL
STAJ
BRCA
SEVU
GNCA
GNCN
SIMA
SOAS
SYAL
LUCO
Melica

date entered & initials: 5/21/13 5/23/13

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FMH-16-mod

15 METER TRANSECT DATA SHEET

Plot ID: MBB 010 (B)M/C (circle one) T1(1.5m) or T2(3.5m) (circle one) Date: 5-7-13

Burn Unit: Milagra Recorders: Rehlaender Phenology:

Burn Status: circle one

00-PRE ___POST (01-yr01) ___-yr02 ___-yr05 ___-yr10 Other: (01-yr03)

Phenological Stage:

Pnt	Tape	Species and substrate codes (highest to lowest)						Species Observed, not Intercepted
1	0:3	VUBR	BRDS					
2	0:6	PLER						
3	0:9	BRDS	MOSS					
4	1:2	SIGA						
5	1:5	BRHO						
6	1:8	BARE						
7	2:1	MOSS						
8	2:4	BRDS						
9	2:7	VUBR						
10	3:0	BARE						
11	3:3	NASSE	FIGA					
12	3:6	ERBB	SIGA	PLER				
13	3:9	LTR						
14	4:2	LOMU	VUBR					
15	4:5	LUAL	BRHO					
16	4:8	PLER						
17	5:1	BRDS						
18	5:4	NASSE	ERBO					
19	5:7	PLER	BRDS					
20	6:0	ERLA	LOMU	BRHO				
21	6:3	BRDS	BRHO					
22	6:6	ERBB						
23	6:9	PLER						
24	7:2	NASSE	ERCI					
25	7:5	NASSE	KOMA					
26	7:8	NASSE						
27	8:1	VUBR						
28	8:4	FIGA	MOSS					
29	8:7	NASSE						
30	9:0	LOMU	BRDS					
31	9:3	NASSE	PLER					
32	9:6	LTR						
33	9:9	PLER						
34	10:2	PLER						
35	10:5	BARE						
36	10:8	PLER						
37	11:1	BRHO	BRDS					
38	11:4	NASSE	BRDS					
39	11:7	BRDS						
40	12:0	LTR						
41	12:3	LTR						
42	12:6	NASSE	BRDS.					
43	12:9	NASSE	VUBR					
44	13:2	LOMU	BAPI					
45	13:5	LOMU	BAPI					
46	13:8	BAPI						
47	14:1	VUBR						
48	14:4	LOMU	VUBR	BRHO				
49	14:7	BRMA	BRDT					
50	15:0	TODI						

date entered & initials: 5/21/13 5/23/13

date checked & initials: 5/21/13 5/23/13

FMH-17-mod

LUPINE CENSUS DATA SHEET

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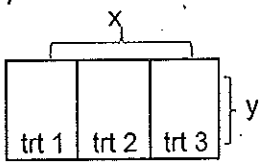
Plot ID: MBB10 B/C/(M) (circle one) Date: 5/7/13

Burn Unit: MILAGRA Recorders: OLSON

Burn Status: circle one

00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: 01 -yr 03

Phenological Stage: _____



Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N) (L/D)	Tag #	x	y	Comments
1	LUAL	I	NEW	L	232	11.2	1.1	
1	LUAL	I	NEW		233	10.2	1.35	
2					234	10.6	4.7	
2					235	10.4	4.8	
2					236	10	4.7	
3					237	10.7	8.5	
3					238	11.3	8.6	
4					239	10.5	11	
4					240	11	11.7	
1					241	11.9	0.15	nearly dead
1					242	12.8	0.3	
1					243	12.8	1	
1					244	12.7	2.8	
1					245	12.4	2.3	
2					246	12.4	3.2	nearly dead
2					247	12.8	3.2	
2					248	12.7	5.7	
2					249	12.1	5.7	
3		M			250	12.2	6.75	
4	LUAL	I	NEW	L	251	12.9	10.5	
1	LUAL	I	New	L	252	10.35	1.35	
1	LUAL	I	New	L	15	13.9	0.2	
1	LUAL	I	New	L	16	14.7	0.4	
3	LUAL	I	New	L	17	15	7.85	

date entered & initials: 5/23/13

date checked & initials: 5/23/13

FMH-17-mod

LUPINE CENSUS DATA SHEET

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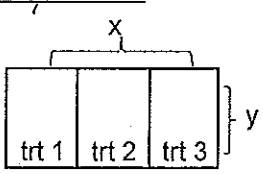
Plot ID: MBB 10 B/(M)/C (circle one) Date: 5/7/13

Burn Unit: Milagra Recorders: Zimmerman

Burn Status: circle one

00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: 01-yr 03

Phenological Stage: _____



Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
1	LUAL	M		L	586	14.9	.55	
1	LUAL	M		L	585	14.3	2	
1	LUAL	M		L	584	13.9	2.3	
2	LUAL	M		L	636	13.8	9.2	
2	LUAL	—		D	622	10.5	9.4	
2	LUAL	M		L	607	14.1	5.9	
3	LUAL	M		L	623	13.8	7	
3	LUAL	M		L	624	14.9	7.7	
3	LUAL	M		L	625	14.6	8.1	
5	LUAL	M		L	629	11.9	14.3	
5	LUAL	M		L	628	12.6	12.9	
3	LUAL	M		L	616	12.5	7.1	
3	LUAL	M		L	613	12.3	6.4	
3	LUAL	M		L	612	11.8	6	
3	LUAL	M		L	615	11.6	6.9	
3	LUAL	M		L	614	12.1	6.6	
2	LUAL	M		L	611	11.8	6	
2	LUAL	M		L	598	12.2	5.7	
2	LUAL	M		L	606	12.4	5.3	
2	LUAL	M		L	603	12.7	5.7	
2	LUAL	M		L	596	11.5	3.7	
2	LUAL	~~M~~		D	632	13.5	4.8	pulled tag
2	LUAL	M		L	599	13.1	4.1	
2	LUAL	M		L	593	12.25	3.6	
2	LUAL	M		L	590	11.7	3.3	
2	LUAL	M		L	583	12.8	2.9	
2	LUAL	M		L	579	11.9	2.9	

date entered & initials: 5/23/13

date checked & initials: 5/23/13

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
1	LWAL	M		L	601	3.8	2.7	
1	LWAL	M		L	587	13.3	2.35	
1	LWAL	M		L	581	12.6	1.95	
1	LWAL	M		L	576	12	1.5	
1		M		L	580	12.8	1.3	
1	LWAL	—		D	575			TNF, PNF
1	LWAL	M		L	582	12.6	2.45	TNF
1	LWAL	—		D	588	12.6	2.15	
2	LWAL	—		D	591	11.2	3.3	
2	LWAL	—		D	633	10.2	5.05	TNF, PNF
2	LWAL	M		L	597	12.2	3.2	TNF
2	LWAL	—		D	600	13.2	4.3	TNF
3	LWAL	—		D	620	13.1	7.85	PNF, TNF
4	LWAL	—		D	619	10.5	9.95	PNF, TNF
3	LWAL	—		D	617	11.4	7.3	PNF, TNF
2	LWAL	—		D	604	10.8	3.85	PNF, TNF

many previously marked as dead — pulled?

FMH-17-mod

LUPINE CENSUS DATA SHEET

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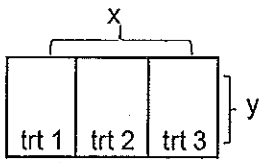
Plot ID: MBB 10 B/M/C (circle one) Date: 5/7/2013

Burn Unit: Milagra Recorders: Z. Jefferson

Burn Status: circle one

00-PRE ___POST ___-yr01 ___-yr02 ___-yr05 ___-yr10 Other: 01-yr 03

Phenological Stage: _____



Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments
1	LUAL			L	592			
2				D	410			-Pulled Tag
2	LUAL			L	102			
2	LUAL			L	589	10,2	4,4	-Change Coordinates in Db
2	LUAL			L	631			
2				D	634			
2	LUAL			L	635	10,2	5,65	-Change Coordinates in Db
2	LUAL			L	595			
2	LUAL			L	627			
3	LUAL			L	618			
3	LUAL			L	622			
3	LUAL			L	621			
4	LUAL			L	626			
4	LUAL			L	630			
1				D	366			
1				D	580			
1				D	577			TNF
1				D	578			TNF
2				D	594			TNF
2	LUAL			L	602			TNF
2				D	608			
2				D	609			
2				D	610			

date entered & initials: _____

date checked & initials: _____

Interval	Species	Age (M/I)	Resprout? (Y/N)	Live? (Y/N)	Tag #	x	y	Comments