APPENDIX IV

Can-trapping capture data for the Western Fence Lizard

Samuel S. Sweet

APPENDIX IV. Can-trapping capture data for western fence lizard (Sceloporus occidentalis). Asterisks (*) denote vandalized traps, and f denotes flooded traps.

Line I

trap #	10-16 Sept.	5-12 Nov.	10 Jan.	6 Feb.	28 Feb.	21 Mar.	18 Apr.	2 May	29 May
1	7	6	0	0	0	0	0	1	0
2	4	6	0	0	0	0	0	2	0
3	3	2	0	1	0	1	2	0	2
4	0	3	0	0	0	0	0	0	4
5	2	0	*	0	0	0	1	0	0
6	1	*	*	0	*	0	*	1	0
7	1	*	*	0	*	0	*	1	0
8	0	0	0	f	f	0	*	0	4
9	0	*	*	f	*	0	f	2	1
10	2	6	0	0	*	0	1	3	0
totals:	20	23	0	1	0	1	4	10	11

Line II

1	1	0	0	0	0	0	2	3	2
2	1	0	0	0	6	*	*	1	1
3	2	2	0	0	0	*	*	0	5
4	3	0	0	0	0	*	*	0	0
5	1	0	0	0	0	*	*	0	0
6	0	4	0	2	4	0	0	0	0
7	0	3	0	f	f	0	0	4	0
8	6	0	0	f	0	f	0	3	0
9	4	11	0	f	5	0	0	0	0
10	1	0	0	f	0	0	0	2	0
totals	19	20	0	2	15	0	2	13	8

Line III

	10-16 Sept.	5-12 Nov.	10 Jan.	6 Feb.	28 Feb.	21 Mar.	18 Apr.	2 May	29 May
1	2	1	1	0	22	0	0	1	3
2	2	3	0	0	15	0	0	2	9
3	6	3	2	1	7	0	0	1	1
4	1	0	0	0	3	0	0	0	0
5	3	2	0	0	1	0	0	0	0
6	2	8	1	0	13	2	1	1	7
7	0	0	0	f	0	f	0	0	7
8	1	1	*	f	0	0	1	1	3
9	2	0	*	f	5f	1f	5	2	7
10	1	0	*	0	0	0	0	0	3
totals:	20	18	4	1	66	3	7	7	40

Line IV

1	5	7	0	1	1	0	0	1	1
2	6	2	0	0	1	0	0	0	3
3	8	11	0	0	0	0	2	2	0
4	7	3	0	0	0	1	1	0	0
5	1	0	0	0	0	0	0	0	0
6	3	2	2	1	0	0	1	1	1
7	1	6	0	0	0	0	*	1	2
8	9	19	0	0	1	0	*	3	0
9	4	1	1	0	0	0	*	0	0
10	1	3	0	0	0	0	*	1	0
totals:	45	54	3	2	3	1	4	9	7

Line V

	10-16 Sept.	5-12 Nov.	10 Jan.	6 Feb.	28 Feb.	21 Mar.	18 Apr.	2 May	29 May
1	not		0	0	0	0	0	0	1
2			0	0	0	2	0	1	1
3			0	0	0	0	0	0	2
4		open	1	0	0	0	2	2	0
5			0	0	2	0	0	1	5
6			0	0	2	3	*	2	2
7			0	0	0	0	*	0	0
8			0	0	0	0	*	0	1
9			1	0	0	0	*	0	0
10			0	0	1	0	*	0	1
totals:			2	0	5	5	2	6	13

Line VI

1	not		1	0	0	1	0	1	1
2			0	0	0	0	0	0	1
3		open	0	0	0	0	0	0	0
4			1	f	0	0	2	2	1
5			2	f	1	0	f	0	1
6			0	0	0	0	0	1	1
7			1	f	0	0	f	1	0
8			0	0	0	0	0	0	0
9			1	0	0	0	0	1	0
10			0	0	0	0	0	0	1
totals:			6	0	1	1	2	6	6

Line VII

	10-16 Sept.	5-12 Nov.	10 Jan.	6 Feb.	28 Feb.	21 Mar.	18 Apr.	2 May	29 May
1	not		1	1	0	0	0	1	0
2			0	1	1	0	0	2	1
3		open	0	0	0	0	0	1	1
4			1	2f	3	0	1	0	0
5			0	f	3	f	1	6	3
6			2	1f	0	1f	0	1	0
7			2	f	3	f	2	5	2
8			0	0	0	f	f	1	1
9			0	0	1	0	1	2	0
10			0	0	2	0	1	0	1
totals			6	5	13	1	6	19	9

Line VIII

1	not		1	0	0	0	0	2	1
2			0	0	0	0	0	1	0
3		open	1	0	0	0	0	0	0
4			0	0	0	0	0	2	1
5			2	1	1	0	1	2	1
6			0	0	0	0	1	0	0
7			1	1	1	0	0	1	0
8			1	0	0	0	0	1	0
9			0	0	0	0	0	2	2
10			0	0	0	0	0	0	1
totals:			6	2	2	0	2	11	6

Line IX

	10-16 Sept. 5-12 Nov.	10 Jan.	6 Feb.	28 Feb.	21 Mar.	18 Apr.	2 May	29 May
1	not	1	0	0	1	0	1	1
2		3	1	1	2	2	0	1
3	open	2	1	0	0	1	2	1
4		0	0	0	0	1	1	0
5		1	0	0	0	1	4	3
6		1	2	0	0	0	0	1
7		2	1	1	3	0	0	0
8		1	0	1	0	1	1	1
9		3	1	0	1	2	4	1
10		1	0	0	0	2	3	2
totals:		15	6	3	7	10	16	11

Line X

1	not	0	2	5	0	4	5	2
2		4	1	2	0	1	4	1
3	open	3	0	2	1	2	1	2
4		1	0	1	0	0	2	3
5		2	2	3	1	2	0	1
6		2	1	1	0	1	3	5
7		1	0	1	2	3	3	2
8		0	0	1	0	3	1	0
9		3	2	4	1	1	2	1
10		0	0	1	0	1	1	0
totals:		16	8	21	5	18	22	17

APPENDIX V

ENVIRONMENTAL SENSITIVITY

ANALYSIS DATA SHEETS

TABLE 8. RESOURCE SENSITIVITY ANALYSIS: VEGETATION - G. Hannan.

Scores used in response to each sensitivity factor for each physiographic area are as follows: 0 = no known sensitivity; 1 = low sensitivity; 2 = moderate sensitivity; 3 = high sensitivity. This low to high environmental sensitivity scoring is based upon information gathered during this study or available from previous investigations and is relevant to the environmental sensitivity of an area as it relates to impacts which may result from residential development of More Mesa.

SENSITIVITY FACTORS	PHYSIOGRAPHIC AREAS																					RELATIVE FACTOR IMPORTANCE
	1	2a	2b	2c	3a	3b	3c	3d	4	5a	5b	5c	5d	5e	5f	6a	6b	6c	6d	6e	6f	
1. To what extent is area utilized by plants, animals or communities of special concern or proposed as such at state or national levels?	2	1	0	0	2	3	1	0	2	0	0	1	0	0	3	3	2	2	0	3	2	27
2. To what extent is area utilized by plants, animals or communities of special concern at local or regional levels?	2	0	0	0	2	3	1	0	2	0	0	2	0	0	3	3	3	2	0	3	2	28
3. To what extent is area utilized by plants, animals or communities which are rare elsewhere on More Mesa?	3	1	0	0	1	2	2	0	2	0	0	2	0	1	3	1	2	1	0	2	2	25
4. To what extent does area include environmentally sensitive habitats as defined by Coastal Act?	2	0	0	0	2	3	1	0	2	0	0	1	0	0	3	3	3	2	0	3	2	27

TABLE 8 - VEGETATION

SENSITIVITY FACTORS	PHYSIOGRAPHIC AREAS																					RELATIVE FACTOR IMPORTANCE
	1	2a	2b	2c	3a	3b	3c	3d	4	5a	5b	5c	5d	5e	5f	6a	6b	6c	6d	6e	6f	
5. To what extent is area a necessary buffer zone for an adjacent environmentally sensitive habitat?	3	0	1	3	1	3	2	3	3	3	1	1	3	0	0	3	3	2	2	2	2	41
6. What is proportion or density of native biota, or infrequency of nature communities compared to other areas of More Mesa?	3	1	0	0	3	2	2	1	3	0	0	3	0	1	3	2	2	1	0	2	1	30
7. What is proportion or density of native biota or infrequency of native vegetation compared to similar areas of Goleta Valley?	3	1	0	0	3	2	2	0	2	0	0	2	0	1	3	1	1	1	0	2	1	25
8. What is the diversity of the native biota, or environmental quality of the native vegetation compared to other areas of More Mesa?	1	2	0	0	2	3	1	1	1	0	0	1	0	1	3	2	2	1	0	3	2	26
9. What is the diversity of the native biota, or environmental quality of the native vegetation compared to similar areas elsewhere in Goleta Valley?	1	1	0	0	2	2	1	0	1	0	0	1	0	0	2	2	2	1	0	2	1	19
RELATIVE SENSITIVITY FOR EACH AREA	20	7	1	3	18	23	13	5	18	3	1	14	3	4	23	20	20	13	2	22	15	248

TABLE 9. RESOURCE SENSITIVITY ANALYSIS: FLORA - K. Steele.

Scores used in response to each sensitivity factor for each physiographic area are as follows: 0 = no known sensitivity; 1 = low sensitivity; 2 = moderate sensitivity; 3 = high sensitivity. This low to high environmental sensitivity scoring is based upon information gathered during this study or available from previous investigations and is relevant to the environmental sensitivity of an area as it relates to impacts which may result from residential development of More Mesa.

SENSITIVITY FACTORS	PHYSIOGRAPHIC AREAS																					RELATIVE FACTOR IMPORTANCE
	1	2a	2b	2c	3a	3b	3c	3d	4	5a	5b	5c	5d	5e	5f	6a	6b	6c	6d	6e	6f	
1. To what extent is area utilized by plants, animals or communities of special concern or proposed as such at state or national levels?	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2. To what extent is area utilized by plants, animals or communities of special concern at local or regional levels?	2	0	1	0	2	1	1	0	1	0	0	0	0	0	3	2	2	0	0	2	2	19
3. To what extent is area utilized by plants, animals or communities which are rare elsewhere on More Mesa?	2	3	1	1	2	1	0	0	1	0	0	0	0	2	3	2	2	0	0	1	1	22
4. To what extent does area include environmentally sensitive habitats as defined by Coastal Act?	2	1	0	0	2	2	1	0	2	0	0	1	0	0	3	2	2	1	0	2	1	22

TABLE 9 - FLORA

SENSITIVITY FACTORS	PHYSIOGRAPHIC AREAS																					RELATIVE FACTOR IMPORTANCE
	1	2a	2b	2c	3a	3b	3c	3d	4	5a	5b	5c	5d	5e	5f	6a	6b	6c	6d	6e	6f	
5. To what extent is area a necessary buffer zone for an adjacent environmentally sensitive habitat?	3	0	0	1	1	2	0	0	1	1	0	0	0	0	0	1	1	2	0	1	1	15
6. What is proportion or density of native biota, or infrequency of nature communities compared to other areas of More Mesa?	1	1	0	0	3	2	1	0	0	0	0	1	0	1	2	2	1	1	0	1	1	18
7. What is proportion or density of native biota or infrequency of native vegetation compared to similar areas of Goleta Valley?	1	0	0	0	2	1	1	0	0	0	0	0	0	0	2	2	1	1	0	1	1	13
8. What is the diversity of the native biota, or environmental quality of the native vegetation compared to other areas of More Mesa?	1	2	0	0	3	2	1	0	0	0	0	1	0	1	2	3	1	1	0	1	1	20
9. What is the diversity of the native biota, or environmental quality of the native vegetation compared to similar areas elsewhere in Goleta Valley?	1	1	0	0	3	1	1	0	1	0	0	0	0	1	2	1	0	0	0	1	1	14
RELATIVE SENSITIVITY FOR EACH AREA	13	8	2	2	18	12	6	0	6	1	0	3	0	5	17	15	10	6	0	10	9	143

TABLE 10. RESOURCE SENSITIVITY ANALYSIS: BIRDS - P. Lehman.

Scores used in response to each sensitivity factor for each physiographic area are as follows: 0 = no known sensitivity; 1 = low sensitivity; 2 = moderate sensitivity; 3 = high sensitivity. This low to high environmental sensitivity scoring is based upon information gathered during this study or available from previous investigations and is relevant to the environmental sensitivity of an area as it relates to impacts which may result from residential development of More Mesa.

SENSITIVITY FACTORS	PHYSIOGRAPHIC AREAS																					RELATIVE FACTOR IMPORTANCE
	1	2a	2b	2c	3a	3b	3c	3d	4	5a	5b	5c	5d	5e	5f	6a	6b	6c	6d	6e	6f	
1. To what extent is area utilized by plants, animals or communities of special concern or proposed as such at state or national levels?	1	3	3	3	1	2	1	2	2	2	1	1	3	3	1	1	2	1	2	2	2	39
2. To what extent is area utilized by plants, animals or communities of special concern at local or regional levels?	2	3	3	3	2	2	1	2	2	2	1	2	3	3	1	2	2	1	2	3	3	45
3. To what extent is area utilized by plants, animals or communities which are rare elsewhere on More Mesa?	3	2	2	2	3	3	1	1	3	2	2	2	2	2	1	2	2	2	2	2	2	43
4. To what extent does area include environmentally sensitive habitats as defined by Coastal Act?	2	3	3	3	1	1	1	2	2	1	1	1	3	3	1	2	1	1	1	3	3	39

TABLE 10 - BIRDS

SENSITIVITY FACTORS	PHYSIOGRAPHIC AREAS																					RELATIVE FACTOR IMPORTANCE
	1	2a	2b	2c	3a	3b	3c	3d	4	5a	5b	5c	5d	5e	5f	6a	6b	6c	6d	6e	6f	
5. To what extent is area a necessary buffer zone for an adjacent environmentally sensitive habitat?	2	3	3	3	1	2	1	2	2	2	2	2	3	3	1	2	3	1	3	3	3	47
6. What is proportion or density of native biota, or infrequency of nature communities compared to other areas of More Mesa?	2	1	1	1	3	3	2	2	3	2	2	2	2	1	1	3	2	2	2	2	2	41
7. What is proportion or density of native biota or infrequency of native vegetation compared to similar areas of Goleta Valley?	2	1	1	1	3	3	1	2	2	1	1	1	1	1	1	2	2	2	1	2	2	33
8. What is the diversity of the native biota, or environmental quality of the native vegetation compared to other areas of More Mesa?	3	1	1	1	3	2	2	2	3	1	1	1	1	1	1	2	2	2	2	2	2	36
9. What is the diversity of the native biota, or environmental quality of the native vegetation compared to similar areas elsewhere in Goleta Valley?	2	0	1	1	3	3	2	2	2	0	1	1	1	0	0	2	2	2	2	2	2	31
RELATIVE SENSITIVITY FOR EACH AREA	19	17	18	18	20	21	12	17	21	13	12	13	19	17	8	18	18	14	17	21	21	354

TABLE 11. RESOURCE SENSITIVITY ANALYSIS: MAMMALS - G. Fugle.

Scores used in response to each sensitivity factor for each physiographic area are as follows: 0 = no known sensitivity; 1 = low sensitivity; 2 = moderate sensitivity; 3 = high sensitivity. This low to high environmental sensitivity scoring is based upon information gathered during this study or available from previous investigations and is relevant to the environmental sensitivity of an area as it relates to impacts which may result from residential development of More Mesa.

SENSITIVITY FACTORS	PHYSIOGRAPHIC AREAS																					RELATIVE FACTOR IMPORTANCE
	1	2a	2b	2c	3a	3b	3c	3d	4	5a	5b	5c	5d	5e	5f	6a	6b	6c	6d	6e	6f	
1. To what extent is area utilized by plants, animals or communities of special concern or proposed as such at state or national levels?	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2. To what extent is area utilized by plants, animals or communities of special concern at local or regional levels?	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3. To what extent is area utilized by plants, animals or communities which are rare elsewhere on More Mesa?	0	0	0	0	1	2	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	11
4. To what extent does area include environmentally sensitive habitats as defined by Coastal Act?	0	0	0	0	2	2	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	12

TABLE 11 - MAMMALS

SENSITIVITY FACTORS	PHYSIOGRAPHIC AREAS																					RELATIVE FACTOR IMPORTANCE
	1	2a	2b	2c	3a	3b	3c	3d	4	5a	5b	5c	5d	5e	5f	6a	6b	6c	6d	6e	6f	
5. To what extent is area a necessary buffer zone for an adjacent environmentally sensitive habitat?	1	0	1	1	0	2	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	8
6. What is proportion or density of native biota, or infrequency of nature communities compared to other areas of More Mesa?	0	1	1	1	3	1	2	2	3	1	1	1	3	3	1	3	3	3	2	2	2	39
7. What is proportion or density of native biota or infrequency of native vegetation compared to similar areas of Goleta Valley?	1	1	1	1	2	1	1	1	2	1	1	1	2	2	1	2	2	2	1	1	1	28
8. What is the diversity of the native biota, or environmental quality of the native vegetation compared to other areas of More Mesa?	0	0	0	0	2	2	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	12
9. What is the diversity of the native biota, or environmental quality of the native vegetation compared to similar areas elsewhere in Goleta Valley?	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	23
RELATIVE SENSITIVITY FOR EACH AREA	3	3	4	4	12	12	7	7	7	4	3	3	7	6	3	9	9	9	7	7	7	113

TABLE 12. RESOURCE SENSITIVITY ANALYSIS: HERPETOFAUNA - S. Sweet.

Scores used in response to each sensitivity factor for each physiographic area are as follows: 0 = no known sensitivity; 1 = low sensitivity; 2 = moderate sensitivity; 3 = high sensitivity. This low to high environmental sensitivity scoring is based upon information gathered during this study or available from previous investigations and is relevant to the environmental sensitivity of an area as it relates to impacts which may result from residential development of More Mesa.

SENSITIVITY FACTORS	PHYSIOGRAPHIC AREAS																					RELATIVE FACTOR IMPORTANCE
	1	2a	2b	2c	3a	3b	3c	3d	4	5a	5b	5c	5d	5e	5f	6a	6b	6c	6d	6e	6f	
1. To what extent is area utilized by plants, animals or communities of special concern or proposed as such at state or national levels?	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2. To what extent is area utilized by plants, animals or communities of special concern at local or regional levels?	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
3. To what extent is area utilized by plants, animals or communities which are rare elsewhere on More Mesa?	2	0	0	0	3	2	1	1	2	0	0	0	0	0	0	3	1	1	1	1	1	19
4. To what extent does area include environmentally sensitive habitats as defined by Coastal Act?	1	0	0	0	3	3	1	1	0	0	0	0	0	0	1	3	2	2	2	2	2	23

TABLE 12 - HERPETOFAUNA

SENSITIVITY FACTORS	PHYSIOGRAPHIC AREAS																					RELATIVE FACTOR IMPORTANCE
	1	2a	2b	2c	3a	3b	3c	3d	4	5a	5b	5c	5d	5e	5f	6a	6b	6c	6d	6e	6f	
5. To what extent is area a necessary buffer zone for an adjacent environmentally sensitive habitat?	0	0	0	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	11
6. What is proportion or density of native biota, or infrequency of nature communities compared to other areas of More Mesa?	3	1	2	2	3	2	2	2	1	2	1	1	2	1	2	3	2	2	2	2	2	40
7. What is proportion or density of native biota or infrequency of native vegetation compared to similar areas of Goleta Valley?	1	1	1	1	2	2	1	1	0	1	0	0	1	1	1	2	1	1	1	1	1	21
8. What is the diversity of the native biota, or environmental quality of the native vegetation compared to other areas of More Mesa?	3	1	1	1	3	3	2	2	1	1	1	1	1	1	1	3	2	2	2	2	2	36
9. What is the diversity of the native biota, or environmental quality of the native vegetation compared to similar areas elsewhere in Goleta Valley?	2	0	1	1	2	1	1	1	0	1	0	0	1	0	1	2	1	1	1	1	1	19
RELATIVE SENSITIVITY FOR EACH AREA	13	3	5	5	20	16	8	8	4	5	2	2	5	3	6	16	9	9	11	11	11	172

TABLE 13. SUMMARY OF SENSITIVITY: 1, INTEGRATED SENSITIVITY OF AREAS.
The total integrated sensitivity of an area equals the sum of the scores for each resource of the area over the sum of the number of contributing factors. Thus, a ranking of each area's sensitivity is provided by comparing the totals. An additional figure of interest is the Total Resource Sensitivity throughout More Mesa which is the sum of the sensitivity scores for each area for each resource over the sum of the number of contributing factors. Thus, the relative sensitivity of each resource is illustrated.

RESOURCE	PHYSIOGRAPHIC AREAS																					RELATIVE RESOURCE SENSITIVITY
	1	2a	2b	2c	3a	3b	3c	3d	4	5a	5b	5c	5d	5e	5f	6a	6b	6c	6d	6e	6f	
1. VEGETATION/HABITATS	20	7	1	3	18	23	13	5	18	3	1	14	3	4	23	20	20	13	2	22	15	248
2. FLORA	13	8	2	2	18	12	6	0	6	1	0	3	0	5	17	15	10	6	0	10	9	143
3. BIRDS	19	17	18	18	20	21	12	17	21	13	12	13	19	17	8	18	18	14	17	21	21	354
4. MAMMALS	3	3	4	4	12	12	7	7	7	4	3	3	7	6	3	9	9	9	7	7	7	133
5. HERPETOLOGICAL FAUNA	13	3	5	5	20	16	8	8	4	5	2	2	5	3	6	16	9	9	11	11	11	172
INTEGRATED RELATIVE SENSITIVITY OF AREAS	68	38	30	32	88	84	46	37	56	26	18	35	34	35	57	78	66	51	37	71	63	1050

TABLE 14. SUMMARY OF SENSITIVITY: 2, INTEGRATED RESOURCE SENSITIVITY.

The Integrated Resource Sensitivity for More Mesa is the sum of the scores for each sensitivity factor for each resource over the number of contributing factors. Thus, the relative importance of each resource at More Mesa is illustrated. An additional figure of interest is the Integrated Factor Importance which is the sum of the scores for each resource for each sensitivity factor over the sum of the number of contributing factors. Thus, the relative importance of each factor used to determine the sensitivity of areas of More Mesa is illustrated.

SENSITIVITY FACTORS	RESOURCES					INTEGRATED FACTOR IMPORTANCE
	VEGETATION/ HABITATS	FLORA	BIRDS	MAMMALS	HERPETOLOGICAL FAUNA	
1. Is area utilized by plants, animals or communities of special concern or proposed as such at state or national levels?	27	0	39	0	0	66
2. Is area utilized by plants, animals or communities of special concern at local or regional levels?	28	19	45	0	3	95
3. Is area utilized by plants, animals or communities which are rare elsewhere on More Mesa?	25	22	43	11	19	Not Applicable
4. Does area support environmentally sensitive habitats as defined by Coastal Act, 1976?	27	22	39	12	23	123

SENSITIVITY FACTORS	RESOURCES					INTEGRATED FACTOR IMPORTANCE
	VEGETATION/ HABITATS	FLORA	BIRDS	MAMMALS	HERPETOLOGICAL FAUNA	
5. Is area a necessary buffer zone for an adjacent environmentally sensitive habitat?	41	15	47	8	11	122
6. What is % native biota of area compared to other areas of More Mesa? [low (0) to high (3)]	30	18	41	39	40	Not Applicable
7. What is % native biota of area compared to similar areas (habitats) in Goleta Valley? [low (0) to high (3)]	25	13	33	28	21	120
8. What is diversity of native biota compared to other areas of More Mesa? [low (0) to high (3)]	26	20	36	12	36	Not Applicable
9. What is diversity of native biota compared to similar areas (habitats) in Goleta Valley? [low (0) to high (3)]	19	14	31	23	19	106
INTEGRATED RESOURCE SENSITIVITY	248	143	354	133	172	1050

TABLE 15. WEIGHTED RESOURCE SENSITIVITY ANALYSIS: VEGETATION - G. Hannan.

Scores used in response to each sensitivity factor for each physiographic area are as follows: 0 = no known sensitivity; 1 = low sensitivity; 2 = moderate sensitivity; 3 = high sensitivity. This low to high environmental sensitivity scoring is based upon information gathered during this study or available from previous investigations and is relevant to the environmental sensitivity of an area as it relates to impacts which may result from residential development of More Mesa. Additionally, the various questions are ranked by importance in this second approach and their scores are weighted as follows: initial scores for questions 1 & 2 are multiplied by 5; initial scores for 3-5 are multiplied by 3; and the initial scores for 6-9 are multiplied by 1. Thus the total score for an area for each resource is the sum of relative scores for weighted factors.

SENSITIVITY FACTORS	PHYSIOGRAPHIC AREAS																				RELATIVE FACTOR IMPORTANCE
	1	2a	2b	2c	3a	3b	3c	3d	4	5a	5b	5c	5d	5e	5f	6a	6b	6c	6d	6e	6f	
1. To what extent is area utilized by plants, animals or communities of special concern or proposed as such at state or national levels?	10	5	0	0	10	15	5	0	10	0	0	5	0	0	15	15	10	10	0	15	10	135
2. To what extent is area utilized by plants, animals or communities of special concern at local or regional levels?	10	0	0	0	10	15	5	0	10	0	0	10	0	0	15	15	15	10	0	15	10	140
3. To what extent is area utilized by plants, animals or communities which are rare elsewhere on More Mesa?	9	3	0	0	3	6	6	0	6	0	0	6	0	3	9	3	6	3	0	6	6	75
4. To what extent does area include environmentally sensitive habitats as defined by Coastal Act?	6	0	0	0	6	9	3	0	6	0	0	3	0	0	9	9	9	6	0	9	6	156

TABLE 15 - VEGETATION

SENSITIVITY FACTORS	PHYSIOGRAPHIC AREAS																					RELATIVE FACTOR IMPORTANCE
	1	2a	2b	2c	3a	3b	3c	3d	4	5a	5b	5c	5d	5e	5f	6a	6b	6c	6d	6e	6f	
5. To what extent is area a necessary buffer zone for an adjacent environmentally sensitive habitat?	9	0	3	9	3	9	6	9	9	9	3	3	9	0	0	9	9	6	6	6	6	123
6. What is proportion or density of native biota, or infrequency of nature communities compared to other areas of More Mesa?	3	1	0	0	3	2	2	1	3	0	0	3	0	1	3	2	2	1	0	2	1	30
7. What is proportion or density of native biota or infrequency of native vegetation compared to similar areas of Goleta Valley?	3	1	0	0	3	2	2	0	2	0	0	2	0	1	3	1	1	1	0	2	1	25
8. What is the diversity of the native biota, or environmental quality of the native vegetation compared to other areas of More Mesa?	1	2	0	0	2	3	1	1	1	0	0	1	0	1	3	2	2	1	0	3	2	26
9. What is the diversity of the native biota, or environmental quality of the native vegetation compared to similar areas elsewhere in Goleta Valley?	1	1	0	0	2	2	1	0	1	0	0	1	0	0	2	2	2	1	0	2	1	19
RELATIVE SENSITIVITY FOR EACH AREA	52	13	3	9	42	63	31	11	48	9	3	34	9	6	59	58	56	39	6	60	43	729

TABLE 16. WEIGHTED RESOURCE SENSITIVITY ANALYSIS: FLORA - K. Steele

Scores used in response to each sensitivity factor for each physiographic area are as follows: 0 = no known sensitivity; 1 = low sensitivity; 2 = moderate sensitivity; 3 = high sensitivity. This low to high environmental sensitivity scoring is based upon information gathered during this study or available from previous investigations and is relevant to the environmental sensitivity of an area as it relates to impacts which may result from residential development of More Mesa. Additionally, the various questions are ranked by importance in this second approach and their scores are weighted as follows: initial scores for questions 1 & 2 are multiplied by 5; initial scores for 3-5 are multiplied by 3; and the initial scores for 6-9 are multiplied by 1. Thus the total score for an area for each resource is the sum of relative scores for weighted factors.

SENSITIVITY FACTORS	PHYSIOGRAPHIC AREAS																					RELATIVE FACTOR IMPORTANCE
	1	2a	2b	2c	3a	3b	3c	3d	4	5a	5b	5c	5d	5e	5f	6a	6b	6c	6d	6e	6f	
1. To what extent is area utilized by plants, animals or communities of special concern or proposed as such at state or national levels?	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2. To what extent is area utilized by plants, animals or communities of special concern at local or regional levels?	10	0	5	0	10	5	5	0	5	0	0	0	0	0	15	10	10	0	0	10	10	95
3. To what extent is area utilized by plants, animals or communities which are rare elsewhere on More Mesa?	6	9	3	3	6	3	0	0	3	0	0	0	0	6	9	6	6	0	0	3	3	66
4. To what extent does area include environmentally sensitive habitats as defined by Coastal Act?	6	3	0	0	6	6	3	0	6	0	0	3	0	0	9	6	6	3	0	6	3	66

TABLE 16 - FLORA

SENSITIVITY FACTORS	PHYSIOGRAPHIC AREAS																					RELATIVE FACTOR IMPORTANCE
	1	2a	2b	2c	3a	3b	3c	3d	4	5a	5b	5c	5d	5e	5f	6a	6b	6c	6d	6e	6f	
5. To what extent is area a necessary buffer zone for an adjacent environmentally sensitive habitat?	9	0	0	3	3	6	0	0	3	3	0	0	0	0	0	3	3	6	0	3	3	45
6. What is proportion or density of native biota, or infrequency of nature communities compared to other areas of More Mesa?	1	1	0	0	3	2	1	0	0	0	0	1	0	1	2	2	1	1	0	1	1	18
7. What is proportion or density of native biota or infrequency of native vegetation compared to similar areas of Goleta Valley?	1	0	0	0	2	1	1	0	0	0	0	0	0	0	2	2	1	1	0	1	1	13
8. What is the diversity of the native biota, or environmental quality of the native vegetation compared to other areas of More Mesa?	1	2	0	0	3	2	1	0	0	0	0	1	0	1	2	3	1	1	0	1	1	20
9. What is the diversity of the native biota, or environmental quality of the native vegetation compared to similar areas elsewhere in Goleta Valley?	1	1	0	0	3	1	1	0	1	0	0	0	0	1	2	1	0	0	0	1	1	14
RELATIVE SENSITIVITY FOR EACH AREA	35	16	8	6	36	26	12	0	18	3	0	5	0	9	41	33	28	12	0	26	23	337

TABLE 17. WEIGHTED RESOURCE SENSITIVITY ANALYSIS: BIRDS - P. Lehman.

Scores used in response to each sensitivity factor for each physiographic area are as follows: 0 = no known sensitivity; 1 = low sensitivity; 2 = moderate sensitivity; 3 = high sensitivity. This low to high environmental sensitivity scoring is based upon information gathered during this study or available from previous investigations and is relevant to the environmental sensitivity of an area as it relates to impacts which may result from residential development of More Mesa. Additionally, the various questions are ranked by importance in this second approach and their scores are weighted as follows: initial scores for questions 1 & 2 are multiplied by 5; initial scores for 3-5 are multiplied by 3; and the initial scores for 6-9 are multiplied by 1. Thus the total score for an area for each resource is the sum of relative scores for weighted factors.

SENSITIVITY FACTORS	PHYSIOGRAPHIC AREAS																					RELATIVE FACTOR IMPORTANCE
	1	2a	2b	2c	3a	3b	3c	3d	4	5a	5b	5c	5d	5e	5f	6a	6b	6c	6d	6e	6f	
1. To what extent is area utilized by plants, animals or communities of special concern or proposed as such at state or national levels?	5	15	15	15	5	10	5	10	10	10	5	5	15	15	5	5	10	5	10	10	10	195
2. To what extent is area utilized by plants, animals or communities of special concern at local or regional levels?	10	15	15	15	10	10	5	10	10	10	5	10	15	15	5	10	10	5	10	15	15	225
3. To what extent is area utilized by plants, animals or communities which are rare elsewhere on More Mesa?	9	6	6	6	9	9	3	3	9	6	6	6	6	6	3	6	6	6	6	6	6	129
4. To what extent does area include environmentally sensitive habitats as defined by Coastal Act?	6	9	9	9	3	3	3	6	6	3	3	3	9	9	3	6	3	3	3	9	9	114

TABLE 17 - BIRDS

SENSITIVITY FACTORS	PHYSIOGRAPHIC AREAS																					RELATIVE FACTOR IMPORTANCE
	1	2a	2b	2c	3a	3b	3c	3d	4	5a	5b	5c	5d	5e	5f	6a	6b	6c	6d	6e	6f	
5. To what extent is area a necessary buffer zone for an adjacent environmentally sensitive habitat?	6	9	9	9	3	6	3	6	6	6	6	6	9	9	3	6	9	3	9	9	9	141
6. What is proportion or density of native biota, or infrequency of nature communities compared to other areas of More Mesa?	2	1	1	1	3	3	2	2	3	2	2	2	2	1	1	3	2	2	2	2	2	41
7. What is proportion or density of native biota or infrequency of native vegetation compared to similar areas of Goleta Valley?	2	1	1	1	3	3	1	2	2	1	1	1	1	1	1	2	2	2	1	2	2	33
8. What is the diversity of the native biota, or environmental quality of the native vegetation compared to other areas of More Mesa?	3	1	1	1	3	2	2	2	3	1	1	1	1	1	1	2	2	2	2	2	2	36
9. What is the diversity of the native biota, or environmental quality of the native vegetation compared to similar areas elsewhere in Goleta Valley?	2	0	1	1	3	3	2	2	2	0	1	1	1	0	0	2	2	2	2	2	2	33
RELATIVE SENSITIVITY FOR EACH AREA	45	57	58	58	42	49	26	43	51	39	30	35	59	57	22	42	46	30	45	57	57	947

TABLE 18. WEIGHTED RESOURCE SENSITIVITY ANALYSIS: MAMMALS - G. Fugle.

Scores used in response to each sensitivity factor for each physiographic area are as follows: 0 = no known sensitivity; 1 = low sensitivity; 2 = moderate sensitivity; 3 = high sensitivity. This low to high environmental sensitivity scoring is based upon information gathered during this study or available from previous investigations and is relevant to the environmental sensitivity of an area as it relates to impacts which may result from residential development of More Mesa. Additionally, the various questions are ranked by importance in this second approach and their scores are weighted as follows: initial scores for questions 1 & 2 are multiplied by 5; initial scores for 3-5 are multiplied by 3; and the initial scores for 6-9 are multiplied by 1. Thus the total score for an area for each resource is the sum of relative scores for weighted factors.

SENSITIVITY FACTORS	PHYSIOGRAPHIC AREAS																					RELATIVE FACTOR IMPORTANCE
	1	2a	2b	2c	3a	3b	3c	3d	4	5a	5b	5c	5d	5e	5f	6a	6b	6c	6d	6e	6f	
1. To what extent is area utilized by plants, animals or communities of special concern or proposed as such at state or national levels?	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2. To what extent is area utilized by plants, animals or communities of special concern at local or regional levels?	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3. To what extent is area utilized by plants, animals or communities which are rare elsewhere on More Mesa?	0	0	0	0	3	6	3	3	0	0	0	0	0	0	0	3	3	3	3	3	3	33
4. To what extent does area include environmentally sensitive habitats as defined by Coastal Act?	0	0	0	0	6	6	3	3	0	0	0	0	0	0	0	3	3	3	3	3	3	36

TABLE 18 - MAMMALS

SENSITIVITY FACTORS	PHYSIOGRAPHIC AREAS																					RELATIVE FACTOR IMPORTANCE
	1	2a	2b	2c	3a	3b	3c	3d	4	5a	5b	5c	5d	5e	5f	6a	6b	6c	6d	6e	6f	
5. To what extent is area a necessary buffer zone for an adjacent environmentally sensitive habitat?	3	0	3	3	0	6	0	0	3	3	0	0	3	0	0	0	0	0	0	0	0	24
6. What is proportion or density of native biota, or infrequency of nature communities compared to other areas of More Mesa?	0	1	1	1	3	1	2	2	3	1	1	1	3	3	1	3	3	3	2	2	2	39
7. What is proportion or density of native biota or infrequency of native vegetation compared to similar areas of Goleta Valley?	1	1	1	1	2	1	1	1	2	1	1	1	2	2	1	2	2	2	1	1	1	28
8. What is the diversity of the native biota, or environmental quality of the native vegetation compared to other areas of More Mesa?	0	0	0	0	2	2	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	12
9. What is the diversity of the native biota, or environmental quality of the native vegetation compared to similar areas elsewhere in Goleta Valley?	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	23
RELATIVE SENSITIVITY FOR EACH AREA	5	3	6	6	18	24	11	11	9	6	3	3	9	6	3	13	13	13	11	11	11	195

TABLE 19. WEIGHTED RESOURCE SENSITIVITY ANALYSIS: HERPETOFAUNA - S. Sweet.

Scores used in response to each sensitivity factor for each physiographic area are as follows: 0 = no known sensitivity; 1 = low sensitivity; 2 = moderate sensitivity; 3 = high sensitivity. This low to high environmental sensitivity scoring is based upon information gathered during this study or available from previous investigations and is relevant to the environmental sensitivity of an area as it relates to impacts which may result from residential development of More Mesa. Additionally, the various questions are ranked by importance in this second approach and their scores are weighted as follows: initial scores for questions 1 & 2 are multiplied by 5; initial scores for 3-5 are multiplied by 3; and the initial scores for 6-9 are multiplied by 1. Thus the total score for an area for each resource is the sum of relative scores for weighted factors.

SENSITIVITY FACTORS	PHYSIOGRAPHIC AREAS																					RELATIVE FACTOR IMPORTANCE
	1	2a	2b	2c	3a	3b	3c	3d	4	5a	5b	5c	5d	5e	5f	6a	6b	6c	6d	6e	6f	
1. To what extent is area utilized by plants, animals or communities of special concern or proposed as such at state or national levels?	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2. To what extent is area utilized by plants, animals or communities of special concern at local or regional levels?	5	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
3. To what extent is area utilized by plants, animals or communities which are rare elsewhere on More Mesa?	6	0	0	0	9	6	3	3	6	0	0	0	0	0	0	9	3	3	3	3	3	57
4. To what extent does area include environmentally sensitive habitats as defined by Coastal Act?	3	0	0	0	9	9	3	3	0	0	0	0	0	0	3	9	6	6	6	6	6	69

TABLE 19 - HERPETOFAUNA

SENSITIVITY FACTORS	PHYSIOGRAPHIC AREAS																					RELATIVE FACTOR IMPORTANCE
	1	2a	2b	2c	3a	3b	3c	3d	4	5a	5b	5c	5d	5e	5f	6a	6b	6c	6d	6e	6f	
5. To what extent is area a necessary buffer zone for an adjacent environmentally sensitive habitat?	0	0	0	0	6	9	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	33
6. What is proportion or density of native biota, or infrequency of nature communities compared to other areas of More Mesa?	3	1	2	2	3	2	2	2	1	2	1	1	2	1	2	3	2	2	2	2	2	40
7. What is proportion or density of native biota or infrequency of native vegetation compared to similar areas of Goleta Valley?	1	1	1	1	2	2	1	1	0	1	0	0	1	1	1	2	1	1	1	1	1	21
8. What is the diversity of the native biota, or environmental quality of the native vegetation compared to other areas of More Mesa?	3	1	1	1	3	3	2	2	1	1	1	1	1	1	1	3	2	2	2	2	2	36
9. What is the diversity of the native biota, or environmental quality of the native vegetation compared to similar areas elsewhere in Goleta Valley?	2	0	1	1	2	1	1	1	0	1	0	0	1	0	1	2	1	1	1	1	1	19
RELATIVE SENSITIVITY FOR EACH AREA	23	3	5	5	44	32	12	12	8	5	2	2	5	3	8	28	15	15	21	21	21	290

TABLE 20. SUMMARY OF WEIGHTED SENSITIVITY: 1, INTEGRATED SENSITIVITY OF AREAS. The total integrated sensitivity of an area equals the sum of the scores for each resource of the area over the sum of the number of contributing factors. Thus, a ranking of each area's sensitivity is provided by comparing the totals. An additional figure of interest is the Total Resource Sensitivity throughout More Mesa which is the sum of the sensitivity scores for each area for each resource over the sum of the number of contributing factors. Thus, the relative sensitivity of each resource is illustrated.

RESOURCE	PHYSIOGRAPHIC AREAS																				RELATIVE RESOURCE SENSITIVITY
	1	2a	2b	2c	3a	3b	3c	3d	4	5a	5b	5c	5d	5e	5f	6a	6b	6c	6d	6e	6f	
1. VEGETATION/HABITATS	52	13	3	9	42	63	31	11	48	9	3	34	9	6	59	58	56	39	6	60	43	654
2. FLORA	35	16	8	6	36	26	12	0	18	3	0	5	0	9	41	33	28	12	0	26	23	337
3. BIRDS	45	57	58	58	42	49	26	43	51	39	30	35	59	57	22	42	46	30	45	57	57	948
4. MAMMALS	5	3	6	6	18	24	11	11	9	6	3	3	9	6	3	13	13	13	11	11	11	195
5. HERPETOLOGICAL FAUNA	23	3	5	5	44	32	12	12	8	5	2	2	5	3	8	28	15	15	21	21	21	290
INTEGRATED RELATIVE SENSITIVITY OF AREAS	162	92	80	84	182	194	92	77	134	62	38	79	82	81	133	174	158	109	83	175	155	2424

TABLE 21. SUMMARY OF SENSITIVITY: 2, INTEGRATED RESOURCE SENSITIVITY.

The Integrated Resource Sensitivity for More Mesa is the sum of the scores for each sensitivity factor for each resource over the number of contributing factors. Thus, the relative importance of each resource at More Mesa is illustrated. An additional figure of interest is the Integrated Factor Importance which is the sum of the scores for each resource for each sensitivity factor over the sum of the number of contributing factors. Thus, the relative importance of each factor used to determine the sensitivity of areas of More Mesa is illustrated.

SENSITIVITY FACTORS	RESOURCES					INTEGRATED FACTOR IMPORTANCE
	VEGETATION/ HABITATS	FLORA	BIRDS	MAMMALS	HERPETOLOGICAL FAUNA	
1. Is area utilized by plants, animals or communities of special concern or proposed as such at state or national levels?	135	0	195	0	0	330
2. Is area utilized by plants, animals or communities of special concern at local or regional levels?	140	95	225	0	15	475
3. Is area utilized by plants, animals or communities which are rare elsewhere on More Mesa?	75	66	129	33	57	Not Applicable
4. Does area support environmentally sensitive habitats as defined by Coastal Act, 1976?	156	66	114	36	69	441