

APPENDIX N

LESA MODELING

Soil Name	Map Symbol	Storie Index	Acres	%	Nonirrigated capability classification	Irrigated capability classification
Clear Lake clay	115	4	421.2	72.21%	3S	2S
Jacktone clay	127	2	75.54	12.95%	3S	3S
San Joaquin silt loam	137	5	9.61	1.65%	3S	3S
Consumnes silt loam	161	4	13.45	2.31%	3W	2W
Durixeralfs	213	4	7.61	1.30%	4S	4S
San Joaquin -Durixeralfs complex	216	4	45.27	7.76%	4S	unknown
San Joaquin-Xerarents complex	221	4	10.63	1.82%	3S	3S
TOTAL ACREAGE			583.4			

LCC Class	I	Ile	IIs,w	IIle	IIIs,w	IVe	IVs,w	V	VIe,s,w	VIIe,s,w	VIII
Points	100	90	80	70	60	50	40	30	20	10	0

Land Evaluation Worksheet

Soil Map Unit	Project Acres	Proportion	LCC*	LCC Rating	LCC Score	Storie Index	Storie Index Score
Clear Lake clay	421.24	72.21%	3S	60	43.326	4	2.89
Jacktone clay	75.54	12.95%	3S	60	7.7696	2	0.26
San Joaquin silt loam	9.61	1.65%	3S	60	0.9884	5	0.08
Consummes silt loam	13.45	2.31%	3W	60	1.3834	4	0.09
Durixeralfs	7.61	1.30%	4S	40	0.5218	4	0.05
San Joaquin -Durixeralfs complex	45.27	7.76%	4S	40	3.1041	4	0.31
San Joaquin-Xerarents complex	10.63	1.82%	3S	60	1.0933	4	0.07
	583.35	100.00%			58.187		3.76

* Based on nonirrigated capability classification

Site Assessment Worksheet 1

LCC Class I-II	LCC Class III	LCC Class IV-VIII
	421.24	
	75.54	
	9.61	
	13.45	
		7.61
		45.27
	10.63	

Total Acres	530.47	52.88
Project Size Scores	100	20
Highest Project Size Score	100	

Project Size Scoring Table

Class I or II		Class III		Class IV or Lower	
Acreage	Points	Acreage	Points	Acreage	Points
>80	100	>160	100	>320	100
60-79	90	120-159	90	240-319	80
40-59	80	80-119	80	160-239	60
20-39	50	60-79	70	100-159	40
10-19	30	40-59	60	40-99	20
10<	0	20-39	30	40<	0
		10-19	10		
		10<	0		

Site Assessment Worksheet 2

Project Portion	Water Resource	Project Area %	Water Availability Score	Weighted Availability Score
1	irrigated	100%	90	90
2				
3				
4				
5				
6				
Total Water Resource Score				90

	Factor Scores	Factor Weight	Weighted Factor Scores
LE Factors			
Land Capability Classification	58.19	0.25	14.55
Storie Index	3.76	0.25	0.94
LE Total		0.50	15.49
SA Factors			
Project Size	100	0.15	15
Water Resource Availability	90	0.15	13.5
Surrounding Agricultural Land	10	0.15	1.5
Protected Resource Land	0	0.05	0
		0.50	30
			45.49
			FINAL LESA SCORE