



Appendix B

Agricultural Impact Analysis

Land Evaluation Worksheet

Soil Map Unit	Project Acres	Proportion of Project Area	Land Capability Class (LCC)		LCC Rating	LCC Score	Storie Index	Storie Index Score
			Irrigated	Non Irrigated				
Arbuckle-Positas complex (50-75% slopes)	4.25	1%		Vlle	10	0.05	12	0.06
Arbuckle-Positas complex (9-15% slopes)	61.10	7%	IIIe-1	IVe	50	3.65	59	4.31
Arbuckle-Positas complex (15-30% slopes)	139.75	17%	IVe-1	IVe-1	50	8.35	45	7.51
Arbuckle-Positas complex (30-50% slopes)	9.00	1%		Vlle	50	0.54	28	0.30
Arbuckle-San Ysidro complex (2-9% slopes)	135.75	16%	IIe-1	IVe-1	50	8.11	72	11.67
Nacimiento-Los Osos complex (9-30% slopes)	288.50	34%	IVe-1	IVe-1	50	17.23	33	11.37
Cropley Clay (2-9% slopes)	7.70	1%	IIe-5	IVe-5	50	0.46	38	0.35
Rincon clay loam (2-9% slopes)	15.00	2%	IIe-3	IVe-3	50	0.90	58	1.04
San Ysidro loam (0-2% slopes)	64.00	8%	IVs-3	IVs-3	40	3.06	45	3.44
Hanford and Greenfield Gravelly Sandy Loams (0-2% slopes)	12.25	1%	IIIs-4	IVs-4	40	0.59	70	1.02
Hanford and Greenfield Gravelly Sandy Loams (2-9% slopes)	24.00	3%	IIe-4	IVe-4	50	1.43	63	1.81
Nacimiento-Ayar complex (9-30% slopes)	68.75	8%	IVe-1	IVe-1	50	4.11	39	3.20
Xerofluvents	7.15	1%		VIIIw	0	0.00	17	0.15
Total:	837.20	100%				48.46		46.23

Project Size Score

Soil Map Unit	LCC Class I-II	LCC Class III	LCC Class IV-VIII
Arbuckle-Positas complex (50-75% slopes)			4.25
Arbuckle-Positas complex (9-15% slopes)		61.1	
Arbuckle-Positas complex (15-30% slopes)			139.75
Arbuckle-Positas complex (30-50% slopes)			9
Arbuckle-San Ysidro complex (2-9% slopes)	135.75		
Nacimiento-Los Osos complex (9-30% slopes)			288.5
Cropley Clay (2-9% slopes)	7.7		
Rincon clay loam (2-9% slopes)	15		
San Ysidro loam (0-2% slopes)			64
Hanford and Greenfield Gravelly Sandy Loams (0-2% slopes)	12.25		
Hanford and Greenfield Gravelly Sandy Loams (2-9% slopes)	24		
Nacimiento-Ayar complex (9-30% slopes)			68.75
Xerofluvents			7.15
Total Acres:	194.7	61.1	581.4
Project Size Scores:	100	70	100

Highest Project Size Score:	100
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Water Resource Availability

Project Portion	Water Source	Proportion of Project Area	Water Availability Score	Weighted Availability Score
1 Portion	Water only available through groundwater wells	100%	25	25
Totals:		100%		25

Final LESA Scoresheet

Factor Name	Factor Rating (0-100 Points)	X	Factor Weighting (Total = 1.0)	=	Weighted Factor Rating
<u>Land Evaluation</u>					
1. Land Capability Classification	(Line 1) = 48.6	X	0.25	=	12.15
2. Storie Indes Rating	(Line 2) = 46.23	X	0.25	=	11.56
<u>Site Assessment</u>					
1. Project Size	(Line 3) = 100	X	0.15	=	15
2. Water Resource Availability	(Line 4) = 25	X	0.15	=	3.75
3. Surrounding Agricultural Lands	(Line 5) = 0	X	0.15	=	0
4. Protected Resource Lands	(Line 6) = 0	X	0.05	=	0
				Total:	42.46