

APPENDIX L
LAND EVALUATION AND
SITE ASSESSMENT MODEL WORKSHEETS

**Table 1A:
Land Evaluation Worksheet**

**Land Capability Classification
(LCC)
and Stories Index
Scores**

A	B	C	D	E	F	G	H
Soil Map Unit	Project Acres	Proportion of Project Area	LCC	LCC Rating	LCC Score	Storie Index	Storie Index Score
HaC	96.72	0.08	III e	70	5.49	86	6.75
Ps	65.58	0.05	VIII w	0	0.00	5	0.27
RmC	120.63	0.10	III e	70	6.85	60	5.87
RmD	19.06	0.02	IV e	50	0.77	55	0.85
RmE2	27.02	0.02	VI e	20	0.44	40	0.88
SaD	89.13	0.07	III e	70	5.06	72	5.21
ScC	199.21	0.16	III e	70	11.31	95	15.35
SgF2	269.65	0.22	VI e	20	4.38	19	4.16
ShF	291.49	0.24	VII e	10	2.36	7	1.66
SmE2wr	0.08	0.00	IV e	50	0.00	41	0.00
TvC	54.08	0.04	IV e	50	2.19	34	1.49
Totals	1232.68	(Must Sum to 1.0)		LCC Total Score	38.86	Store Index Total Score	42.48

**Table 1B:
Site Assessment Worksheet**

**Project Size
Score**

	I	J	K
	LCC Class I-II	LCC Class III	LCC Class IV-VIII
		96.72	
			65.58
		120.63	
			19.06
			27.02
		89.13	
		199.21	
			269.65
			291.49
			0.08
			54.08
Total Acres		505.69	726.96
Project Size Scores		100	100
Highest Project Size Score		100	

Table 2:

Water Resource Availability Scoring Table

Option	Non-Drought Years			Drought Years			WATER RESOURCE SCORE
	RESTRICTIONS			RESTRICTIONS			
	Irrigated Production Feasible?	Physical Restrictions ?	Economic Restrictions ?	Irrigated Production Feasible?	Physical Restrictions ?	Economic Restrictions ?	
1	YES	NO	NO	YES	NO	NO	100
2	YES	NO	NO	YES	NO	YES	95
3	YES	NO	YES	YES	NO	YES	90
4	YES	NO	NO	YES	YES	NO	85
5	YES	NO	NO	YES	YES	YES	80
6	YES	YES	NO	YES	YES	NO	75
7	YES	YES	YES	YES	YES	YES	65
8	YES	NO	NO	NO	-- --	-- --	50
9	YES	NO	YES	NO	-- --	-- --	45
10	YES	YES	NO	NO	-- --	-- --	32
11	YES	YES	YES	NO	-- --	-- --	30
12	Irrigated production not feasible, but rainfall adequate for dryland production in both drought and non-drought years						25
13	Irrigated production not feasible, but rainfall adequate for dryland production in non-drought years (but no in drought years)						20
14	Neither irrigated nor dryland production feasible						0

**Table 3:
Site Assessment Worksheet 2. – Water Resources Availability**

A	B	C	D	E
Project Portion	Water Source	Proportion of Project Area	Water Availability Score	Weighted Availability Score (C x D)
1	Irrigation & groundwater	0.50	90	45
2	Irrigation only	0.25	65	16.25
3	Not irrigated	0.25	0	0
		(Must Sum to 1.0)	Total Water Resources Score	61.25

Table 4:

Final LESA Score Sheet

Calculation of the Final LESA Score:

1. Multiply each factor score by the factor weight to determine the weighted score and enter in Weighted Factor Scores column.
2. Sum the weighted factor scores for the LE factors to determine the total LE score for the project.
3. Sum the weighted factor scores for the SA factors to determine the total SA score for the project.
4. Sum the total LE and SA scores to determine the Final LESA Score for the project.

	Factor Scores	Factor Weight	Weighted Factor Scores
LE Factors			
Land Capability Classification	<1> 38.86	0.25	9.715
Storie Index	<2> 42.48	0.25	10.62
LE Subtotal		0.50	
SA Factors			
Project Size	<3> 100	0.15	15
Water Resource Availability	<4> 61.25	0.15	9.2
Surrounding Agricultural Land	<5> 0	0.15	0
Protected Resource Land	<6> 0	0.05	0
SA Subtotal		0.50	
Final LESA Score			44.54