Land Evaluation Worksheet

Land Capability Classification (LCC) and Storie 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
Ry	307	1/4	IIIw-2	60	15	61	15
Sa	614	1/2	IIIw-3	60	30	65	32
Va	153	1/8	IIw-2	80	10	77	10
Cm	153	1/8	IIw-2	80	10	90	11
Totals	1227	(Must Sum to 1.0)		***LCC Total Score***	65	***Storie Index Total Score***	68

Site Assessment Worksheet 1.

Project Size Score

	I	J	K
	LCC Class I - II	LCC Class III	LCC Class IV - VIII
		307	
		614	
	153		
	153		
Total Acres	306	921	0
Project Size Scores	100	100	0

Highest Project Size Score 100

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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	Riparian Water	1.0	100	100
2				
3				
4				
5				
6				
		(Must Sum to 1.0)	***Total Water Resource Score***	100

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Site Assessment Worksheet 3.
Surrounding Agricultural Land and Surrounding Protected Resource Land

A	B	C	D	E	F	G
Zone of Influence					Surrounding Agricultural Land Score (From Table)	Surrounding Protected Resource Land Score (From Table)
Total Acres	Acres in Agriculture	Acres of Protected Resource Land	Percent in Agriculture (A/B)	Percent Protected Resource Land (A/C)		
3412	3102*	3412**	91	100	100	100

* Although the Department of Conservation's Important Farmland Series Map shows APN 042-240-30 (Sac. Port property) as agricultural land of Statewide importance, this land has not been farmed for at least five years.

** All parcels are zoned as agriculture according to the Solano County environmental dept. Ten of the thirteen parcels are in Williamson Act contracts.

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LESA Worksheet (cont.)

NOTES

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> 65	0.25	16
Storie Index	<2> 68	0.25	17
LE Subtotal		***0.50***	33
SA Factors			
Project Size	<3> 100	0.15	15
Water Resource Availability	<4> 100	0.15	15
Surrounding Agricultural Land	<5> 100	0.15	15
Protected Resource Land	<6> 100	0.05	5
SA Subtotal		***0.50***	50
		Final LESA Score	83

For further information on the scoring thresholds under the California Agricultural LESA Model, consult Section 4 of the Instruction Manual.

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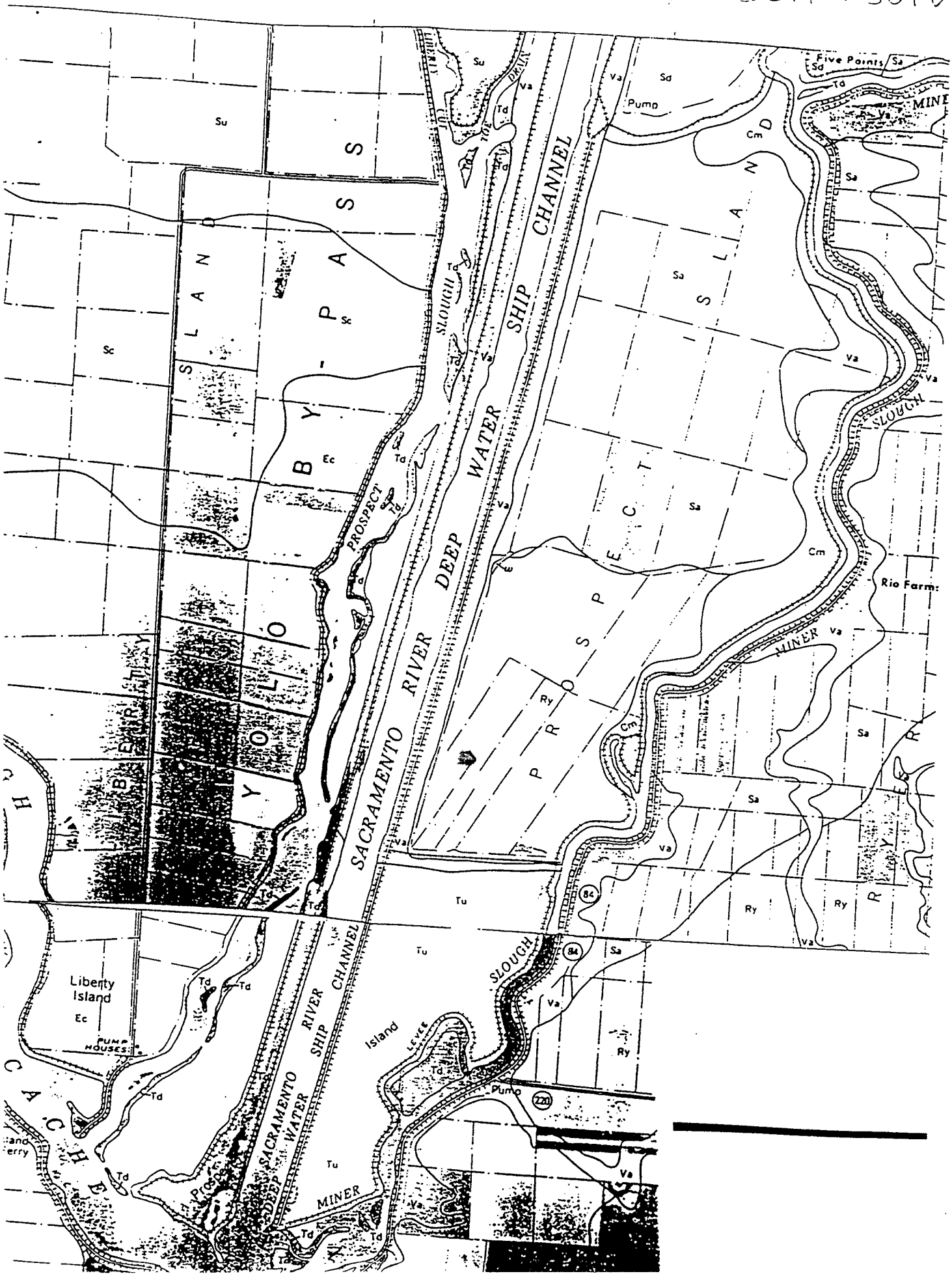
Solano County Soil Survey



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GUIDE TO MAPPING UNITS

full description of a mapping unit, read both the description of the mapping unit and that of the soil es to which the mapping unit belongs. Dashes in a column mean that the particular mapping unit is not table for that use. For information on vegetative soil groups and Storie index ratings, see page 63. information on wildlife, see section beginning on page 67. Other information is given in tables as llows:

Acreage and extent, table 1, page 8.
Predicted yields, table 2, page 58.
Engineering, tables 4, 5, and 6, pages 72 to 95.

Map symbol	Mapping unit	Page	Capability unit		Vegetative soil group	Wildlife group	Range site		Storie index rating
			Symbol	Page	Symbol	Number	Name	Page	Number
AcC	Altamont clay, 2 to 9 percent slopes---------	9	IIIe-5 (15)	50	C	8	----------	--	38
AcE	Altamont clay, 9 to 30 percent slopes---------	9	IVe-5 (15)	53	C	8	----------	--	30
AcF2	Altamont clay, 30 to 50 percent slopes, eroded-	9	VIe-1 (15)	54	C	8	Clayey	65	14
AlC	Altamont-San Ysidro-San Benito complex, 2 to 9 percent slopes-------	9	IIIe-5 (15)	50	--	--	----------	--	36
	Altamont part--------	--	--------	--	C	8	----------	--	--
	San Ysidro part------	--	--------	--	D	4	----------	--	--
	San Benito part------	--	--------	--	G	8	----------	--	--
AlE	Altamont-San Ysidro-San Benito complex, 9 to 30 percent slopes------	9	IVe-5 (15)	53	--	--	----------	--	30
	Altamont part--------	--	--------	--	C	8	----------	--	--
	San Ysidro part------	--	--------	--	D	4	----------	--	--
	San Benito part------	--	--------	--	G	8	----------	--	--
AmC	Altamont-Diablo clays, 2 to 9 percent slopes--	10	IIIe-5 (15)	50	C	8	----------	--	38
AmE2	Altamont-Diablo clays, 9 to 30 percent slopes, eroded----------	10	IVe-5 (15)	53	C	8	----------	--	30
An	Alviso silty clay loam---	11	IVw-6 (17)	54	F	6	----------	--	37
AoA	Antioch-San Ysidro complex, 0 to 2 percent slopes----------	12	IVs-3 (17)	53	D	4	----------	--	38
AoC	Antioch-San Ysidro complex, 2 to 9 percent slopes---------	12	IVe-3 (17)	52	D	4	----------	--	35
AsA	Anitoch-San Ysidro complex, thick surface, 0 to 2 percent slopes--	12	IIIs-3 (17)	51	D	4	----------	--	42
AsC	Antioch-San Ysidro complex, thick surface, 2 to 9 percent slopes--	12	IIIe-3 (15)	50	D	4	----------	--	37
BrA	Brentwood clay loam, 0 to 2 percent slopes----	13	I-1 (17)	47	A	1	----------	--	81
BrC	Brentwood clay loam, 2 to 9 percent slopes----	14	IIe-1 (17)	47	A	1	----------	--	73
Ca	Capay silty clay loam----	15	IIs-3 (17)	48	A	1	----------	--	69
Cc	Capay clay----------	16	IIs-5 (17)	49	C	3	----------	--	46
CeA	Clear Lake clay, 0 to 2 percent slopes---------	16	IIs-5 (17)	49	C	3	----------	--	49
CeB	Clear Lake clay, 2 to 5 percent slopes---------	16	IIIe-5 (17)	50	C	8	----------	--	41
ClA	Clear Lake clay, saline, 0 to 2 percent slopes--	16	IVw-6 (17)	54	F	6	----------	--	32
Cm	Columbia fine sandy loam-	17	IIw-2 (17)	49	E	1	----------	--	90

Map symbol	Mapping unit	Page	Capability unit Symbol	Capability unit Page	Vegetative soil group Symbol	Wildlife group Number	Range site Name	Range site Page	Storie index rating Number
MeG3	Maymen-Los Gatos loams, 15 to 75 percent slopes, severely eroded----------	25	VIIIs-1 (15)	55	J	--	----------	--	6
	Maymen part----------	--	--------	--	--	7	----------	--	--
	Los Gatos part-------	--	--------	--	--	8	----------	--	--
MkA	Millsap sandy loam, 0 to 2 percent slopes----	26	IVs-3 (15)	53	D	4	----------	--	38
MlC	Millsap-Los Osos complex, 2 to 9 percent slopes--	26	IVe-3 (15)	52	--	--	----------	--	41
	Millsap part---------	--	--------	--	D	2	Claypan	66	--
	Los Osos part--------	--	--------	--	G	8	Fine Loamy	64	--
MmE	Millsholm loam, 15 to 30 percent slopes---------	26	VIe-1 (15)	54	G	7	Shallow Loamy	66	27
MmG2	Millsholm loam, 30 to 75 percent slopes, eroded----------	27	VIIe-1 (15)	55	J	7	Shallow Loamy	66	8
MnC	Millsholm loam, moderately deep variant, 2 to 9 percent slopes----------	27	IIIe-1 (15)	50	G	8	----------	--	51
MnE	Millsholm loam, moderately deep variant, 9 to 30 percent slopes---------	27	IVe-1 (15)	52	G	8	----------	--	38
Om	Omni clay loam----------	28	IVw-6 (17)	54	F	6	----------	--	47
On	Omni silty clay----------	28	IIIw-5 (17)	52	E	5	----------	--	36
Pc	Pescadero clay loam------	29	IVw-6 (17)	54	F	6	----------	--	35
Pe	Pescadero clay----------	29	IVw-6 (17)	54	F	6	----------	--	24
Ra	Reiff fine sandy loam----	30	I-1 (17)	47	A	1	----------	--	100
Rd	Reyes silty clay loam, drained----------	30	IVw-9 (16)	54	H	9	----------	--	37
Re	Reyes silty clay---------	30	VIw-1 (16)	55	H	9	----------	--	25
RnC	Rincon loam, 2 to 9 percent slopes---------	31	IIe-3 (17)	48	A	1	----------	--	77
RoA	Rincon clay loam, 0 to 2 percent slopes-------	31	IIs-3 (17)	48	A	1	----------	--	72
RoC	Rincon clay loam, 2 to 9 percent slopes-------	31	IIe-3 (17)	48	A	1	----------	--	65
Rw	Riverwash----------	31	VIIIw-1 (17)	55	J	2	----------	--	<5
Ry	Ryde clay loam----------	32	IIIw-2 (16)	51	E	5	----------	--	61
Sa	Sacramento silty clay loam----------	33	IIIw-3 (17)	51	E	5	----------	--	65
Sc	Sacramento silty clay loam, occasionally flooded----------	33	IVw-3 (17)	54	E	5	----------	--	34
Sd	Sacramento clay----------	33	IIIw-5 (17)	52	E	5	----------	--	43
SeA	San Ysidro sandy loam, 0 to 2 percent slopes--	35	IVs-3 (17)	53	D	4	----------	--	46
SeB	San Ysidro sandy loam, 2 to 5 percent slopes--	35	IVe-3 (17)	52	D	4	----------	--	43
SfA	San Ysidro sandy loam, thick surface, 0 to 2 percent slopes-------	35	IIIs-3 (17)	51	D	4	----------	--	49
Sh	Solano loam----------	37	IVs-6 (17)	53	F	6	----------	--	38
Sk	Solano-Pescadero complex-	37	IVw-6 (17)	54	F	6	----------	--	34

GUIDE TO MAPPING UNITS--Continued

Map symbol	Mapping unit	Page	Capability unit		Vegetative soil group	Wildlife group	Range site		Storie index rating
			Symbol	Page	Symbol	Number	Name	Page	Number
Sm	Solano loam, dark surface variant--------	37	IVs-6 (17)	53	F	6	----------	--	38
Sp	Suisun peaty muck--------	38	VIw-1 (16)	55	J	9	----------	--	27
Sr	Sycamore silty clay loam-	39	IIw-2 (17)	49	E	1	----------	--	68
Ss	Sycamore silty clay loam, drained----------	40	I-1 (17)	47	A	1	----------	--	85
St	Sycamore silty clay loam, saline----------	40	IIIw-6 (17)	52	F	6	----------	--	45
Su	Sycamore complex, occasionally flooded---	40	IVw-3 (17)	54	E	5	----------	--	39
Ta	Tamba mucky clay---------	41	VIw-1 (16)	55	J	9	----------	--	30
Td	Tidal marsh----------	41	VIIIw-1 (16)	55	J	9	----------	--	5
ToG2	Toomes stony loam, 30 to 75 percent slopes, eroded----------	41	VIIIs-1 (15)	55	J	7	----------	--	6
TrE	Trimmer loam, 9 to 30 percent slopes---------	42	IVe-1 (15)	52	G	8	Fine Loamy	64	48
TsF2	Trimmer cobbly clay loam, shallow variant, 15 to 50 percent slopes, eroded----------	42	VIIe-1 (15)	55	J	7	Shallow Loamy	66	12
Tu	Tujunga fine sand--------	42	IIIs-4 (17)	51	B	2	----------	--	41
Va	Valdez silt loam, drained----------	43	IIw-2 (17)	49	E	1	----------	--	77
Vc	Valdez silty clay loam---	43	IIIw-6 (16)	52	F	6	----------	--	62
Vd	Valdez silty clay loam, wet----------	43	VIw-1 (16)	55	F	6	----------	--	34
Ve	Valdez silty clay loam, clay substratum--------	44	IVw-6 (16)	54	F	6	----------	--	39
Wc	Willows clay----------	44	IVw-6 (17)	54	F	6	----------	--	39
Yo	Yolo loam----------	45	I-1 (17)	47	A	1	----------	--	100
Yr	Yolo loam, clay substratum----------	45	IIs-3 (17)	48	A	1	----------	--	85
Ys	Yolo silty clay loam-----	45	I-1 (17)	47	A	1	----------	--	90

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Zone of Influence Parcels
Williamson Act Contracts and Zoning

Assessors Parcel Number	Acreage	Williamson Act Contract	Zoned as Ag.	Important Farmland Series Classification
042-190-15	354.41	yes	yes	P
042-200-20	85.558	yes	yes	P
042-200-33	76.52	no	yes	P
042-200-34	levee	no	yes	P
042-220-02	416.83	yes	yes	P
042-220-16	150.13	yes	yes	P
042-220-19	329.18	yes	yes	P
042-220-21	329.5	yes	yes	P
042-230-04	414.14	yes	yes	P
042-230-16	207.92	yes	yes	P
042-230-19	510.72	yes	yes	P
042-240-19	227.67	yes	yes	P
042-240-30	309.99	no	yes	S
	3412.568			

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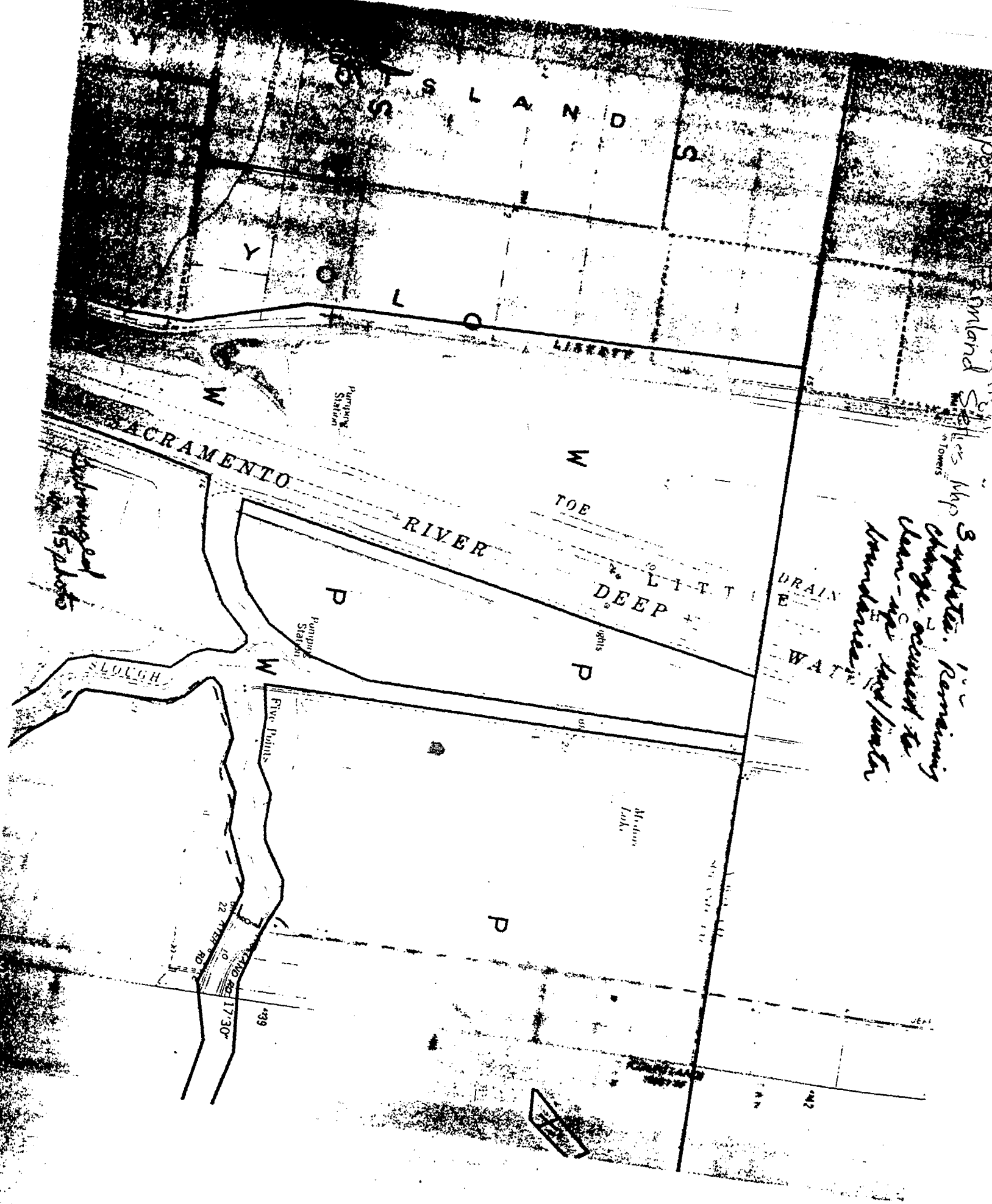
ISLANDS
YOLO
LIBERTY
SACRAMENTO
RIVER
TOE
DEEP
LITTLE
DRAIN
WATER
SLOUGH
Pumping Station
Five Points
Medium Lake
Lights
Towers
Submerged 1955 photo
Sycamore. Remaining change occurred to clean-up debris and/or groundwater.

C—058757

Dept of Conservation Important Farmland Series Map

Submerged in 95 photo

possible fallow 95 photo

fallow 92 & 93 photo

submerged but very dark 95 photo

not visible in 96FV, 97 photo

Liberty Island

FMMP 1992
SOLANO COUNTY

Dept. of Conservation
State of California

LIBERTY ISLAND ROAD

BM-2

BM-3

Gas Well

1 MILE

6000 7000 FEET

1 KILOMETER

5 FEET
DATUM OF 1929
LOWER LOW WATER
MEAN HIGH WATER
APPROXIMATELY 2 FEET

CALIF

QUADRANGLE LOCATION

MAP ACCURACY STANDARDS
GRADO 80225, OR RESTON, VIRGINIA 22092
SYMBOLS IS AVAILABLE ON REQUEST

3812136

LIBERTY ISLAND, CALIF.

SW/4 COURTLAND 15' QUADRANGLE

N3815—W12137.5/7.5

1978

AMS 1880 I SW—SERIES

30 NB

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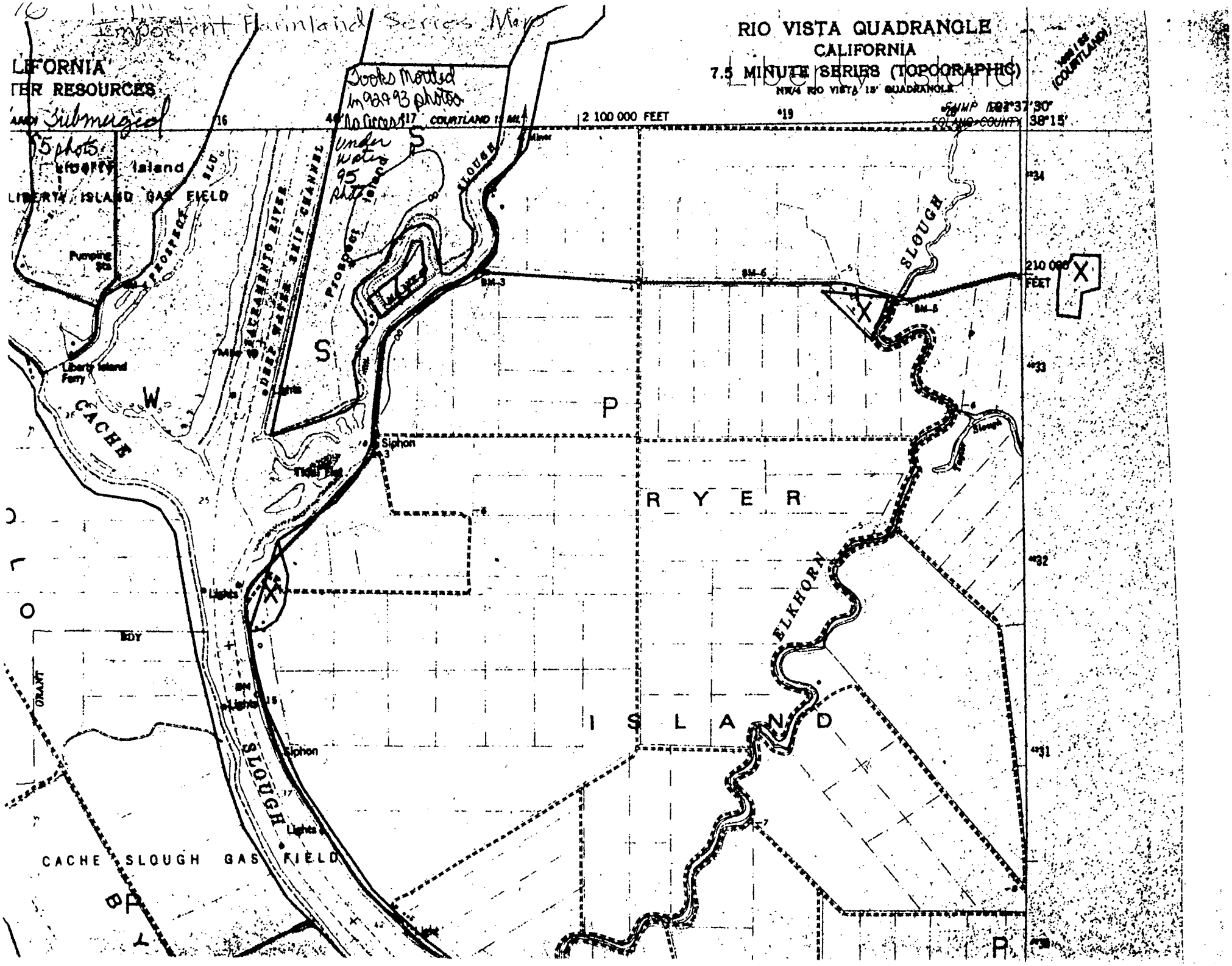

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