APPENDIX G

Statistical Analysis: Cover Type vs. Soil Type

COVER TYPE VS SOIL TYPE

WED 3/20/96 17:08:53 C:\SYSTATW5\9338\SOIL1.SYS

		SOIL3	SOILACRE	C	D	L	M	ML50	TI
CASE	1	Limestone	125.62	0.05	117.54	1.81	4.93	1.29	0.00
CASE	2	Water-Complx	2181.44	18.06	1813.58	83.95	222.29	37.99	5.59
CASE	3	Biscayn Marl	299.57	1.81	41.20	0.94	13.64	128.46	0.00
CASE	4	Bisc Marl Ro	186.08	1.68	296.54	1.35	0.00	0.00	0.00
CASE	5	Perrine Marl	64.60	0.00	51.80	0.00	0.28	12.52	0.00
CASE	6	Dania Muck	6160.31	51.20	2700.16	54.93	2657.25	575.32	121.54
CASE	7	Lauderhill M	27600.42	206.73	3564.42	308.80	16745.92	6701.55	72.81
CASE	8	Pahokee Muck	6521.62	25.74	191.28	21.02	1669.93	4554.23	59.44
CASE	9	Tamiami Muck	115.78	2.53	47.87	8.05	38.22	19.13	0.00
CASE	10	Matecumbe Mu	8.81	0.00	0.00	0.00	0.70	0.00	8.11
CASE	11	Halland Sand	63.73	0.00	63.26	0.00	0.00	0.00	0.00

11 CASES AND 8 VARIABLES PROCESSED.
NO SYSTAT FILE CREATED.

WED 3/20/96 17:09:17 C:\SYSTATW5\9338\SOIL1.SYS

C

MODEL CONTAINS NO CONSTANT.

DEP VAR: C N: 11 MULTIPLE R: 0.994 SQUARED MULTIPLE R: 0.988
ADJUSTED SQUARED MULTIPLE R: .988 STANDARD ERROR OF ESTIMATE: 7.4227

VARIABLE	COEFFICIENT	STD ERROR	STD COEF	TOLERANCE	T	P(2 TAIL)
SOILACRE	0.0074	0.0003	0.9940	1.0000	28.8345	0.0000

ANALYSIS OF VARIANCE

SOURCE	SUM-OF-SQUARES	DF	MEAN-SQUARE	F-RATIO	P
REGRESSION	45808.9780	1	45808.9780	831.4273	0.0000
RESIDUAL	550.9680	10	55.0968		

WED 3/20/96 17:09:32 C:\SYSTATW5\9338\SOIL1.SYS

D

MODEL CONTAINS NO CONSTANT.

DEP VAR: D N: 11 MULTIPLE R: 0.854 SQUARED MULTIPLE R: 0.729
ADJUSTED SQUARED MULTIPLE R: .729 STANDARD ERROR OF ESTIMATE: 796.7440

VARIABLE	COEFFICIENT	STD ERROR	STD COEF	TOLERANCE	T	P(2 TAIL)
SOILACRE	0.1420	0.0274	0.8539	1.0000	5.1880	0.0004

ANALYSIS OF VARIANCE

SOURCE	SUM-OF-SQUARES	DF	MEAN-SQUARE	F-RATIO	P
REGRESSION	.170860E+08	1	.170860E+08	26.9156	0.0004
RESIDUAL	.634801E+07	10	634800.9446		

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L

MODEL CONTAINS NO CONSTANT.

DEP VAR: L N: 11 MULTIPLE R: 0.969 SQUARED MULTIPLE R: 0.940
ADJUSTED SQUARED MULTIPLE R: .940 STANDARD ERROR OF ESTIMATE: 25.2782

VARIABLE	COEFFICIENT	STD ERROR	STD COEF	TOLERANCE	T	P(2 TAIL)
SOILACRE	0.0108	0.0009	0.9694	1.0000	12.4814	0.0000

ANALYSIS OF VARIANCE

SOURCE	SUM-OF-SQUARES	DF	MEAN-SQUARE	F-RATIO	P
REGRESSION	99545.0885	1	99545.0885	155.7854	0.0000
RESIDUAL	6389.8840	10	638.9884		

COVER TYPE VS SOIL TYPE

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MODEL CONTAINS NO CONSTANT.

M

DEP VAR: M N: 11 MULTIPLE R: 0.988 SQUARED MULTIPLE R: 0.976
ADJUSTED SQUARED MULTIPLE R: .976 STANDARD ERROR OF ESTIMATE: 835.2670

VARIABLE	COEFFICIENT	STD ERROR	STD COEF	TOLERANCE	T	P(2 TAIL)
SOILACRE	0.5783	0.0287	0.9879	1.0000	20.1528	0.0000

ANALYSIS OF VARIANCE

SOURCE	SUM-OF-SQUARES	DF	MEAN-SQUARE	F-RATIO	P
REGRESSION	.283350E+09	1	.283350E+09	406.1368	0.0000
RESIDUAL	.697671E+07	10	697671.0212		

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MODEL CONTAINS NO CONSTANT.

ML50

DEP VAR: ML50 N: 11 MULTIPLE R: 0.923 SQUARED MULTIPLE R: 0.853
ADJUSTED SQUARED MULTIPLE R: .853 STANDARD ERROR OF ESTIMATE: 986.5188

VARIABLE	COEFFICIENT	STD ERROR	STD COEF	TOLERANCE	T	P(2 TAIL)
SOILACRE	0.2577	0.0339	0.9233	1.0000	7.6038	0.0000

ANALYSIS OF VARIANCE

SOURCE	SUM-OF-SQUARES	DF	MEAN-SQUARE	F-RATIO	P
REGRESSION	.562691E+08	1	.562691E+08	57.8174	0.0000
RESIDUAL	.973219E+07	10	973219.4327		

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MODEL CONTAINS NO CONSTANT.

TI

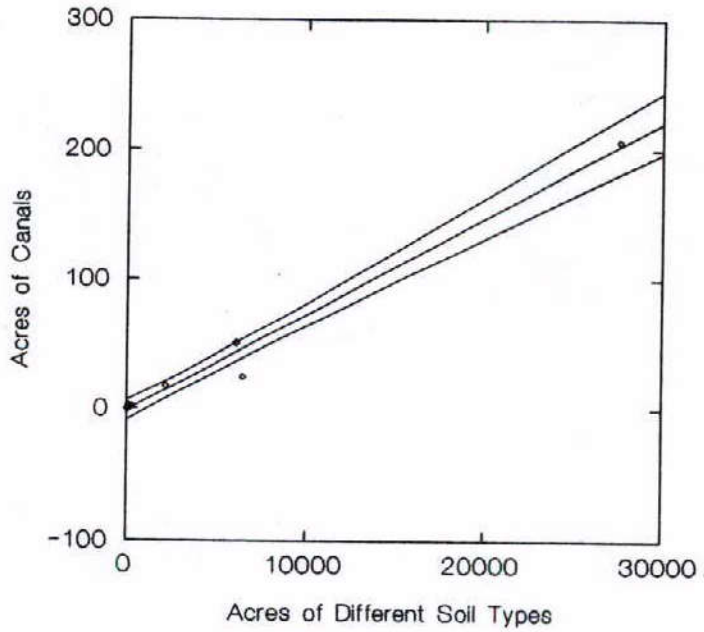
DEP VAR: TI N: 11 MULTIPLE R: 0.705 SQUARED MULTIPLE R: 0.497
ADJUSTED SQUARED MULTIPLE R: .497 STANDARD ERROR OF ESTIMATE: 34.5396

VARIABLE	COEFFICIENT	STD ERROR	STD COEF	TOLERANCE	T	P(2 TAIL)
SOILACRE	0.0037	0.0012	0.7048	1.0000	3.1415	0.0105

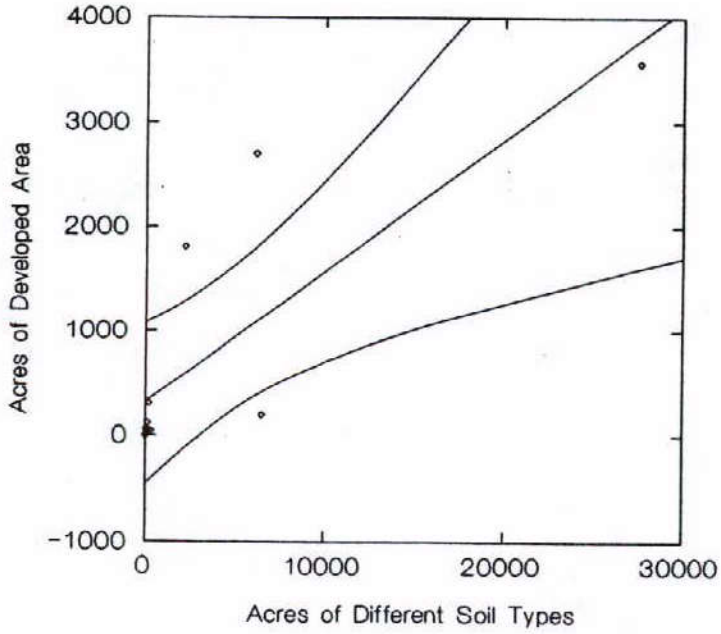
ANALYSIS OF VARIANCE

SOURCE	SUM-OF-SQUARES	DF	MEAN-SQUARE	F-RATIO	P
REGRESSION	11773.5400	1	11773.5400	9.8690	0.0105
RESIDUAL	11929.8615	10	1192.9861		

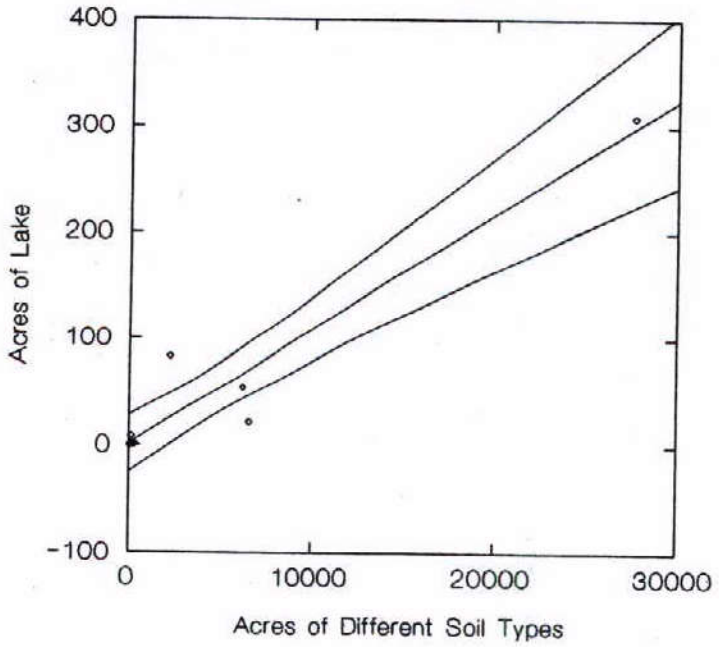
Canal Acreage vs Soil Type Acreage



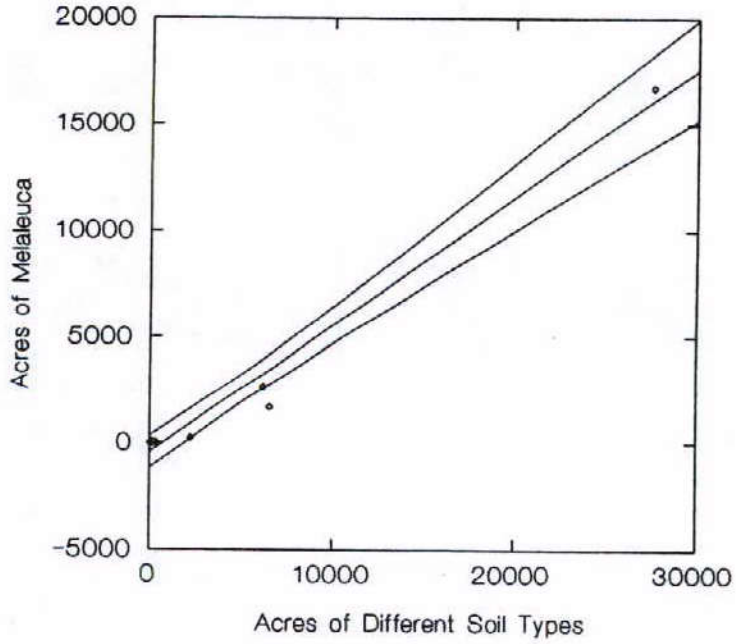
Developed Acreage vs Soil Type Acreage



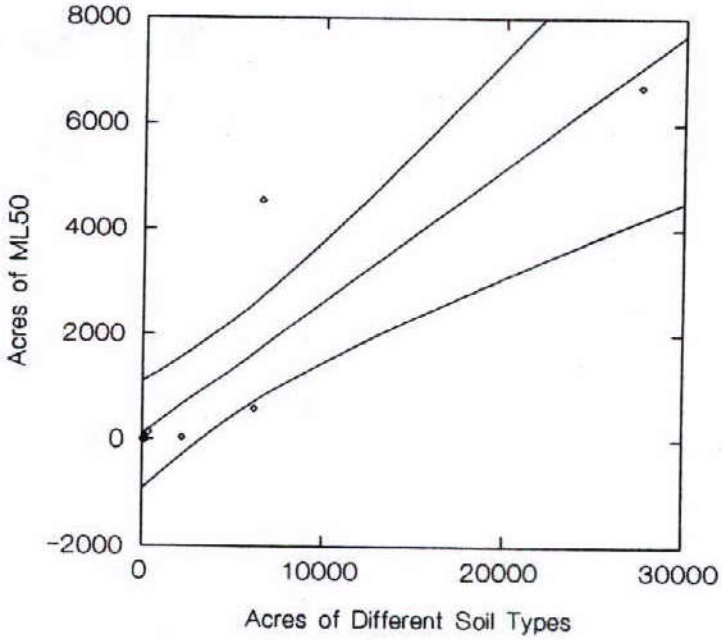
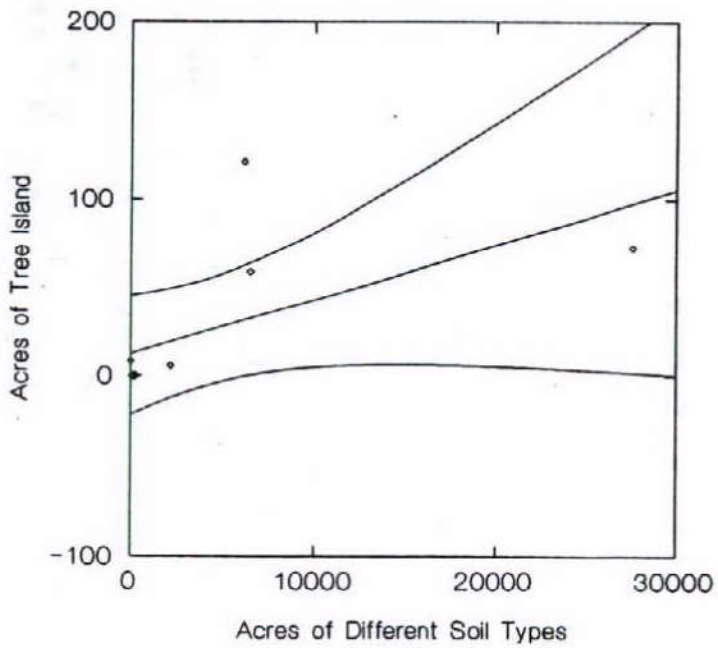
Lake Acreage vs Soil Type Acreage



Melaleuca Acreage vs Soil Type Acreage



ML50 Acreage vs Soil Type Acreage



Tree Island Acreage vs Soil Type Acreage