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LAND RESOURCES INFORMATION FOR THE LAKE ERIE DRAINAGE BASIN. V0--ETC(U)
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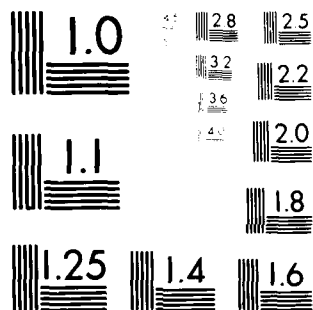
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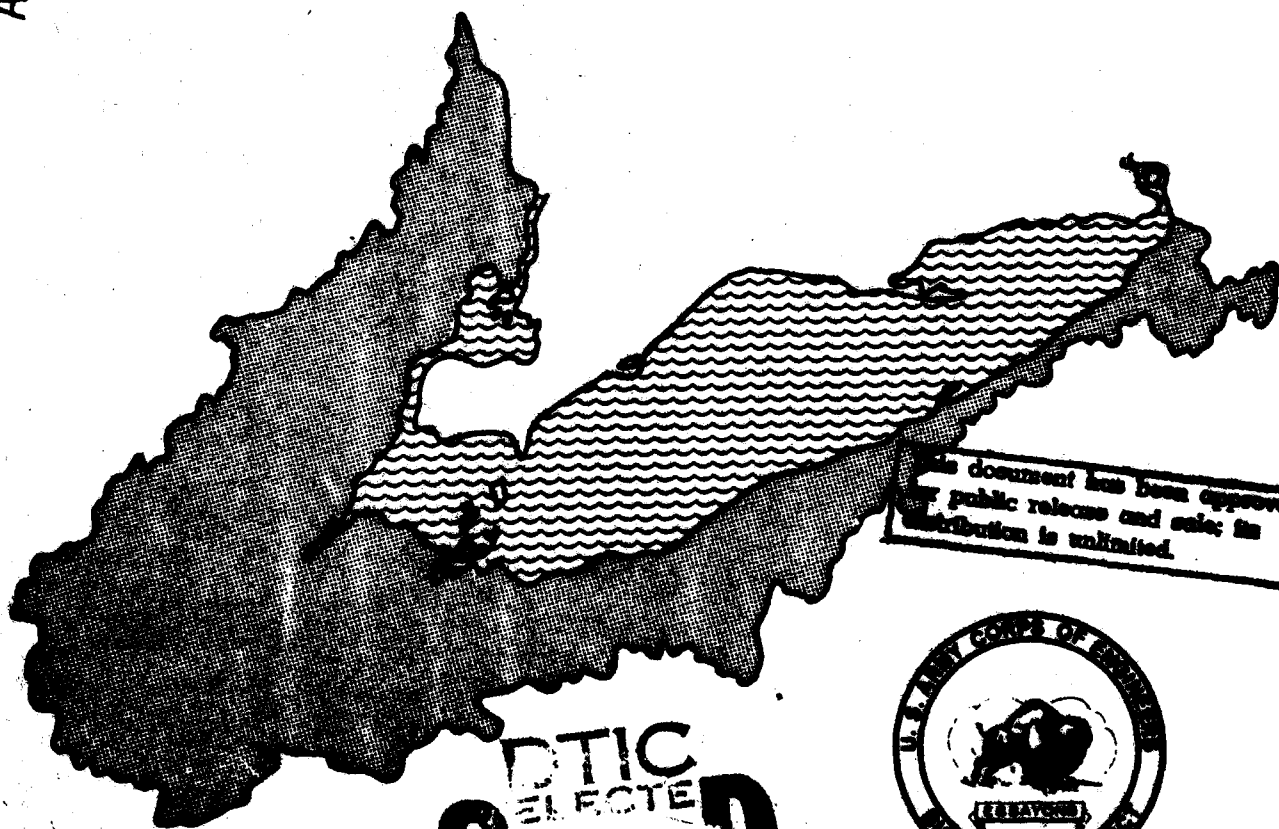
LAND RESOURCES INFORMATION

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FOR THE

LAKE ERIE DRAINAGE BASIN

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VOLUME I

LAND RESOURCE SUMMARY

PREPARED FOR THE
LAKE ERIE WASTEWATER
MANAGEMENT STUDY
U.S. ARMY ENGINEER DISTRICT, BUFFALO

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**LAND RESOURCES INFORMATION
FOR THE
LAKE ERIE DRAINAGE BASIN.**

**VOLUME I.
LAND RESOURCE SUMMARY.**

(12) 71

by
**RESOURCE MANAGEMENT ASSOCIATES ✓
WEST CHESTER, PENNSYLVANIA**

(11) Nov 79

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**LAKE ERIE WASTEWATER MANAGEMENT STUDY
U.S. ARMY ENGINEER DISTRICT, BUFFALO
1776 NIAGARA STREET
BUFFALO, NEW YORK
MARCH 1979**

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Introduction

This report is a summary inventory of the land resource features of the United States portion of the Lake Erie Drainage Basin. It is presented in four volumes, of which this is Volume I.

The inventories presented in these volumes have been accomplished through the use of the Lake Erie Land Resources Information System. The LRIS is a georeferenced grid cell-based system which includes spatially arrayed data on land uses, soil phases, minor watershed, and minor civil division location. These four attributes are coded by defined numeric values for each of more than 750,000 grid cells throughout the Lake Erie Basin. The soil phase code is further backed by a soil properties information file which contains physical/chemical properties data on the more than 3,000 soil phases inventoried in the basin.

The computation method used in this report is a simple counting of the unique occurrences of the various attributes. For example, in Volume I, only single features of/and resources are counted. Within a given watershed, each occurrence of a land use is counted. The number of occurrences times a scaling factor representing the land area of each cell gives the area of the basin in each category. In Volume II, III, and IV, unique occurrences of land uses and soil phases or unique soil properties are counted. This type of counting yields categories such as cropland on soils which have slopes in excess of 18 percent, or soils which have high intrinsic erodability (high K factor) and high slopes. Inventories such as these are used to describe watersheds and screen those which may have a high potential for water pollution due to soil erosion.

Description of Land Use and Land Resource Factor Tables

This volume includes the single resource feature summary tables listed in ~~Table 1~~. Each section of the volume lists the subject resource feature for all of the watersheds included in the Lake Erie Wastewater Management Study water pollutant transport studies. They therefore represent a watershed by watershed inventory of land resource features. The resource features listed are;

Table 1 - Tabular Summaries of Land Resource Features

Single Feature Summaries

- Slope;
 - Land Use;
 - Soil Erodability (K Factor);
 - Soil Drainage Class;
 - Soil Permeability (Surface and Limiting Horizon); and
 - Soil Texture.
-

The categories of each feature given in the tables are listed in Table 2. The classes in each summary are generally self explanatory, but a few notes are necessary.

The major land use categories are highly generalized from the raw data contained in the LRIS data files. The generalized codes are those which were used in the running of the soil loss equation for the Lake Erie basin and are a subset of 51 detailed categories. Table 3 lists the codes which were aggregated into the major land use categories. The definitions of these codes are given in (1).

The permeability tables give the permeability of both the surface and most limiting horizon of the soil profile. The first column gives the acreage of the basin with soils which have surface horizon permeability in the 0.01 to 0.09 IN/HR range. The remaining columns give acreage of basins with soils which have their most limiting horizon in any of the given classes.

The intrinsic erodability tables inventory the acreage of each basin in each of the K factor soil erodability groups. The K factor is the soil erodability factor of the Universal Soil Loss Equation.

Slope values are given as ranges of percentage slope of the land. The inventory is actually an accumulation of acreage of all land on soils which had been assigned unique slope values. Unique slope values represent the median value of all slopes observed for each soil as field determined in the, as of this publishing, unpublished United States Department of Agriculture, Soil Conservation Service's 1% National Erosion Study of 1977-78.

Figure 1 is a facsimile of a page from this report. It illustrates the organization and meaning of the information presented. The numbers in each section (a section is as the area outlined by the ellipses in Figure 1) represent one factor of the distribution of the inventory parameter (as listed across the top of the page) within the basin (given at the left of the page) or the entire data set. Referring to the captions in the upper left and the figures in the ellipse: Count represents the land area of the parameter (clay textured soils) in the basin (Basin 1, Maumee at Waterville, OH), 981 square miles of the Maumee River Basin has soils with a clay surface texture; Row percent gives the percentage of the river basin in the parameter class, 18.5 percent of the Maumee River basin has clay textured soils; Column percent gives the percentage of this parameter which is represented in this section for the entire data base, 69.8 percent of all the clay soils counted in the data base are in the Maumee River Basin; and Total percent gives the percentage of the entire data base that is represented in this section, 9.7 percent of all soils counted in the data base are clay textured and in the Maumee River Basin. Unfortunately, it has been impossible to count all three of the Lake Erie LRIS data base sections simultaneously. Therefore, column percent and row percent are representative only of the data base part to which they belong. There are three sections: MAINFILE, SEMCOG, and OCAP. The extent of each part is documented in (1).

Table 2 - Land Resource Feature Summary Categories

<u>Major Land Use Categories</u>	<u>Drainage Characteristics</u>
1. Cropland	1. Very Poorly Drained
2. Vineyard	2. Poorly Drained
3. Pasture	3. Somewhat Poorly Drained
4. Forest	4. Moderately Well Drained
5. Water	5. Well Drained
6. Other	6. Somewhat Excessively Drained
7. Missing	7. Excessively Drained
<u>Permeability, Low Value in Horiz. (In/Hr)</u>	<u>Texture of Surface Horizon</u>
1. Surface .01 to 0.09	1.1 Clay
2. Below .01 to 0.09	1.2 Silty Clay
3. All .10 to 0.19	1.3 Sandy Clay
4. All .20 to 0.59	2.1 Silty Clay Loam
5. All .60 to 1.9	2.2 Clay Loam
6. All 2.0 to 5.9	2.3 Sandy Clay Loam
7. All 6.0 or GTR	3.1 Loam
<u>Intrinsic Erodability (K Factor)</u>	3.2 Silty Loam
0.10 0.10	3.3 Very Fine Sandy Loam
0.15 0.15	3.4 Silt
0.17 0.17	4.1 Sandy Loam
0.20 0.20	4.2 Fine Sandy Loam
0.24 0.24	5.1 Sand
0.28 0.28	5.2 Fine Sand
0.32 0.32	5.3 Very Fine Sand
0.37 0.37	5.4 Loamy Sand
0.43 0.43	5.5 Loamy Fine Sand
0.49 0.49	5.6 Loamy Very Fine Sand
<u>Slope Value (%)</u>	6.1 Muck
0.2 Less than 0.2	7.1 Nonsoil
0.5 0.5	7.2 Urban Land Complex
1.0 1.0	
2.0 2.0	
4.0 3-5	
7.0 6-8	
10.0 9-11	
13.0 12-14	
16.0 15-17	
18.0 18 or GTR	

Table 3 - Generalized Land Use Summary LRIS Code Aggregation

Major Land Use Category	:	LRIS Land Use Codes Included
Cropland	:	20, 21, 22, 24, 26, 29, 30
Vineyard/Orchard	:	23
Grassland	:	16, 18, 25, 27, 28, 31, 84, 87
Woodland	:	41-45
Water	:	51-55
Other Land Uses	:	8-15, 17, 19, 61, 61, 71-76, 81-83, 85, 86, 88

Figure I - Example of Single Feature Summary - Inventory of Soil Textures by Major Watersheds

Count (mi ²)	Clay	Silty Clay	Silty	Clay	Sandy Clay	Loam	Silty Loam	VF Loam	Sandy Loam	FM Sandy Loam	Fine Sand	Loam, Fine Sand	Muck	Row Total
Row Pct	Clay	Silty Clay	Silty	Clay	Sandy Clay	Loam	Silty Loam	VF Loam	Sandy Loam	FM Sandy Loam	Fine Sand	Loam, Fine Sand	Muck	Row Total
Tot Pct	Clay	Silty Clay	Silty	Clay	Sandy Clay	Loam	Silty Loam	VF Loam	Sandy Loam	FM Sandy Loam	Fine Sand	Loam, Fine Sand	Muck	Row Total
Basin 1	981	240	1259	73	19	797	1389	5	3	225	105	34	19	84
Maumee at Waterville, OH	18.5	4.5	23.8	1.4	0.4	15.0	26.2	0.1	0.1	4.2	2.0	0.6	0.4	1.6
	69.8	45.7	66.4	35.9	35.5	64.1	36.7	24.7	27.8	75.3	37.5	36.1	53.1	37.3
	9.7	2.4	12.4	0.7	0.2	7.8	13.7	0.1	0.0	2.2	1.0	0.3	0.2	0.8
Basin 2	179	0	41	9	25	44	48	0	0	4	14	0	0	23
Portage at Woodville, OH	46.3	0.0	10.5	2.3	6.6	11.3	12.4	0.0	0.0	0.9	3.6	0.1	0.0	6.0
	12.7	0.0	2.1	4.8	46.3	3.5	1.3	0.5	0.0	1.2	4.9	0.5	0.0	10.2
	1.8	0.0	0.4	0.1	0.2	0.4	0.5	0.0	0.0	0.0	0.1	0.0	0.0	0.2
Basin 3	11	0	198	2	0	42	607	2	0	2	10	1	0	4
Sandusky at Fremont, OH	1.3	0.0	22.2	0.2	0.0	4.7	68.0	0.2	0.0	0.3	1.1	0.1	0.0	0.5
	0.8	1.2	10.5	1.0	0.0	3.4	16.0	9.1	0.0	0.8	3.5	1.3	0.5	2.0
	0.1	0.1	2.0	0.0	0.0	0.4	6.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Basin 31	0	1	58	0	0	40	235	0	0	2	9	0	0	6
Maumee at Milan, OH	0.0	0.4	15.1	0.0	0.0	11.1	65.6	0.0	0.0	0.6	2.6	0.1	0.1	1.6
	0.0	0.3	0.0	0.0	0.0	3.2	6.2	0.0	0.0	0.7	3.3	0.2	1.1	2.5
	0.0	0.0	0.0	0.0	0.0	0.4	2.3	0.0	0.0	0.0	0.1	0.0	0.0	0.1
Basin 33	0	0	20	0	0	15	165	0	0	0	1	0	0	1
Vermilion near Vermilion, OH	0.0	0.0	12.5	0.0	0.0	7.3	78.4	0.0	0.0	0.1	0.5	0.0	0.0	0.4
	0.0	0.0	1.4	0.0	0.0	1.2	4.4	0.0	0.0	0.1	0.4	0.0	0.0	0.4
	0.0	0.0	0.3	0.0	0.0	0.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Basin 34	0	0	0	0	0	39	352	2	0	5	2	0	0	0
Catawagus at Gowanda, NY	0.0	0.0	0.0	0.0	0.0	9.7	87.3	0.5	0.0	1.4	0.5	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	3.2	9.3	8.7	0.0	1.6	0.7	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.4	3.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Basin 36	0	0	0	0	0	0	4	0	0	0	0	0	0	0
Delaware near Angola, NY	0.0	0.0	0.0	0.0	0.0	7.1	71.4	1.8	0.0	0.0	3.6	0.0	0.0	16.1
	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	0.0	0.0	0.1	0.0	0.0	0.4
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

981 Sq. Mi. of clay soils in the Maumee River Watershed
 18.5 Percent of the Maumee River Watershed
 69.8 Percent of the clay soils in the Mainfile Data File*
 9.7 Percent of all land in the Mainfile Data File

* Must be added to SEMCOG and OCAP data files to determine percent of total U. S. Lake Erie Watershed.

COCURRENCE TABLES

FILE MFI (CREATION DATE = 11/07/79) BUFFALO DIST., CCE LAKE ERIE LRIS

CROSS TABULATION OF DON URBIN SLOPE VALUE
 BASIN SAMPLING STATION BASIN BY SLOPE DON URBIN SLOPE VALUE
 ***** PAGE 1 OF 2

SLOPE

BASIN	COUNT ROW PCT COL PCT TOT PCT	SLOPE																18 OR GREATER	ROW TOTAL
		LESS THAN 0.5	0.5	1.0	2.0	3-5	6-8	9-11	12-14	15-17	16.01	18.01							
MAUMEE & WATERVI	1.	2262	524	992	81	1250	7	124	11	26	14	5299							
		42.7	9.9	18.7	1.5	23.8	0.1	2.3	0.2	0.5	0.3	52.2							
		64.9	52.6	95.5	11.0	65.1	1.2	20.8	53.7	67.7	8.7								
		22.3	5.2	9.8	0.8	12.4	0.1	1.2	0.1	0.3	0.1								
PORTAGE & WOODV	2.	221	54	6	5	91	6	3	0	0	0	386							
		57.2	13.9	1.5	1.4	23.5	1.7	0.9	0.0	0.0	0.0	3.8							
		6.3	5.4	0.3	0.7	4.7	1.1	0.8	0.5	0.0	0.0								
		2.2	0.5	0.1	0.1	0.9	0.1	0.0	0.0	0.0	0.0								
SANDUSKY & FRM	3.	169	73	346	7	256	1	27	0	6	6	892							
		19.0	8.2	38.8	0.8	28.8	0.1	3.1	0.0	0.7	0.6	8.8							
		4.8	7.3	19.5	1.0	13.3	0.2	6.8	0.5	15.3	3.6								
		1.7	0.7	3.4	0.1	2.5	0.0	0.3	0.0	0.1	0.1								
HURON & MILAN	31.	10	39	64	157	28	50	2	5	1	1	359							
		2.7	11.0	18.0	43.8	7.8	13.9	0.7	1.5	0.3	0.4	3.5							
		3.3	4.0	3.6	21.4	1.4	8.3	0.6	26.6	2.4	0.9								
		0.1	0.4	0.6	1.5	0.3	0.5	0.0	0.1	0.0	0.0								
VERMILION NR VER	33.	3	11	36	99	31	15	9	2	2	3	210							
		1.4	5.1	17.1	46.9	15.0	7.3	4.2	0.8	1.0	1.3	2.1							
		0.1	1.1	2.0	13.4	1.6	2.5	2.2	7.9	5.3	1.7								
		0.0	0.1	0.4	1.0	0.3	0.2	0.1	0.0	0.0	0.0								
CAITARAUGUS & GO	34.	2	11	15	56	5	139	106	0	0	70	403							
		0.5	2.7	3.8	13.8	1.3	36.2	26.3	0.0	0.0	17.4	4.0							
		0.1	1.1	0.9	7.6	0.3	22.9	26.4	0.0	0.3	43.8								
		0.0	0.1	0.1	0.5	0.1	1.4	1.0	0.0	0.0	0.7								
DELAWARE NR ANGO	36.	0	0	0	4	0	2	0	0	0	0	6							
		0.0	1.8	0.0	64.3	0.0	32.1	0.0	0.0	0.0	1.8	0.1							
		0.0	0.0	0.0	0.5	0.0	0.3	0.0	0.0	0.0	0.1								
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0								
COLUMN TOTAL		3488	997	1776	733	1932	602	402	20	38	160	10148							10148
		36.4	5.9	17.5	7.2	15.0	5.9	4.0	0.2	0.4	1.6	100.0							100.0

(CONTINUED)

COOCCURRENCE TABLES

FILE MFI ICREATION DATE = 11/07/78) BUFFALO DIST., CCE LAKE ERIE LRIS

***** C R O S S T A B U L A T I O N O F *****
 BASIN SAMPLING STATION BASIN BY SLOPE DOW URBAN SLOPE VALUE *****
 ***** PAGE 2 OF 2 *****

COUNT	SLOPE														18 OR GREATER	ROM TOTAL
	0.2	0.5	1.0	2.0	3-5	4-6	7-10	10-11	12-14	15-17	16.01	16.01	16.01	16.01		
BASIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 MILE CR NR B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RACON CR @ W SP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MILL CR @ ERIE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DIRECT DRAINAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
821	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
COLUMN	3488	997	1776	733	1932	602	402	402	20	38	160	10198	10198	10198	10198	10198
TOTAL	34.4	9.8	17.5	7.2	19.0	5.9	4.0	4.0	0.2	0.4	1.6	100.0	100.0	100.0	100.0	100.0

NUMBER OF MISSING OBSERVATIONS = 1717

LCE LRIS CRUSSTABS UPDATE

FILE MFI (CREATION DATE = 11/10/78) BUFFALO DIST., COE LAKE ERIE LRIS

***** C R O S S T A B U L A T I O N U F *****
 BASIN SAMPLING STATION BASIN BY SLOPE DON URBAN SLOPE VALUE *****
 ***** PAGE 1 OF 3 *****

COUNT ROW PCT	SLOPE											18 OR GREATER	ROW TOTAL
	LESS THAN 0.2	0.21	0.51	1.0	2.0	3-5	6-8	9-11	12-14	15-17	16.01		
BASIN	110	46	177	150	0	20	0	5	1	5	5	514	
SANDUSKY @ MEX	21.4	8.9	34.4	0.1	29.2	0.0	3.9	1.1	1.0	1.0	1.0	23.8	
SANDUSKY @ UP SA	43	22	74	0	82	0	11	2	2	0.9	2	235	
SANDUSKY @ BUC	13	7	28	0	27	0	4	0	0	0.6	1.1	80	
TYNCHITEE @ CRAW	41	10	43	0	22	0	3	0	1	1	1	121	
BRCKEN SMO @ NEV	8	7	25	0	30	0	4	0	0	0	0	74	
WOLF, WEST @ BET	27	1	24	0	6	0	0	0	0	0	0	37	
WOLF, EAST @ FT S	7	1	25	0	8	0	0	0	0	0	0	45	
MONEY CR @ MD	11	14	82	7	56	1	4	0	0	0	0	176	
MONEY CR @ 231	11	13	75	7	50	1	4	0	0	0	0	165	
MONEY CR @ HELM	10	11	72	7	43	1	2	0	0	0	0	147	
MONEY CR @ UP SIL	10	10	57	7	31	1	2	0	0	0	0	118	
COLUMN TOTAL	323	178	845	57	611	25	83	9	0	0.4	24	2161	
	15.0	8.3	39.3	2.6	28.3	1.1	3.8	0.4	0.0	0.4	1.1	100.0	

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(CONTINUED)

CCE LRIS CROSSTABS UPDATE

FILE MF1 (CREATION DATE = 11/10/78) BUFFALO DIST., LAKE ERIE LRIS

***** C R C S T A B U L A T I O N L F *****
 BASIN SAMPLING STATION BASIN BY SLOPE DUN URBAN SLOPE VALUE
 ***** PAGE 2 OF 3

COUNT ROM PCT	SLOPE															RON TOTAL
	LESS THAN 0.2	0.2-1	0.5	1.0	2.0	3-5	6-8	9-11	12-14	15-17	18 OR GREATER					
BASIN	9	10	40	7	25	1	1	1	0	0	0	0	0	0	0	93
MONEY CR UP AIC	9.6	10.6	42.5	7.2	26.5	1.2	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3
MONEY CR UP ATT	9	8	30	7	17	1	1	1	0	0	0	0	0	0	0	73
	12.0	11.6	41.0	9.2	22.9	1.5	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
MONEY CR @ WEIS	4	3	5	1	7	0	0	0	0	0	0	0	0	0	0	25
	17.3	11.8	33.7	5.5	27.1	0.4	4.3	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
MONEY CR MARSH	2	4	25.6	2	15.6	10.2	3.9	1.6	0	0	0	0	0	0	0	13
	14.8	28.1	25.6	15.6	10.2	3.9	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
MONEY CR MR WAYN	3	2	4	0	4	0	0	1	0	0	0	0	0	0	0	15
	22.6	16.4	25.5	0.0	26.7	0.0	4.8	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
M.C. TRIB BEL MO	0	0	2	0	3	0	0	0	0	0	0	0	0	0	0	5
	2.0	2.0	38.6	0.0	57.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
M.C. TRIB BUCKEY	0	0	2	0	1	0	0	1	0	0	0	0	0	0	0	5
	2.1	6.3	52.1	0.0	29.2	0.0	10.4	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
M.C. TRIB SILVER	0	1	13	0	9	0	0	0	0	0	0	0	0	0	0	23
	1.7	4.3	54.5	0.0	37.7	0.0	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
M.C. TRIB SILVER	0	1	7	0	6	0	0	0	0	0	0	0	0	0	0	15
	2.6	5.2	48.4	0.0	41.3	0.0	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
M.C. TRIB SILVER	0	0	5	0	5	0	0	0	0	0	0	0	0	0	0	11
	1.8	3.5	42.4	0.0	47.8	0.0	3.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
M.C. TRIB AICH	0	0	12	0	3	0	0	0	0	0	0	0	0	0	0	16
	2.6	0.6	75.5	0.0	17.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
COLUMN TOTAL	323	178	845	57	611	25	83	83	0	0	0	0	24	1.1	100.0	2181
TOTAL	15.0	8.3	39.2	2.6	28.3	1.1	3.8	3.8	0.0	0.4	1.1	0.4	1.1	0.4	1.1	100.0

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GCE LRIS CROSSTABS UPDATE

FILE MF1 CREATION DATE = 11/10/78) BUFFALO DIST. SLOPE LAKE ERIE LRIS

***** LULS ST A B U L A T I O N C F *****
 BASIN SAMPLING STATION HASIN BY SLOPE DON URBAN SLOPE VALUE ***** PAGE 3 OF 3

COUNT FROM PLOT	SLOPE																ROW TOTAL	
	LESS THAN 0-2	0-2	0-5	1-0	2-3	3-5	4-0	5-0	6-8	7-0	8-0	9-11	10-0	12-14	15-17	18 OR GREATER		
BASIN		0.21	0.51	1.01	1.01	2.01	3.01	4.01	5.01	6.01	7.01	8.01	9.01	10.01	12-14	15-17	18 OR GREATER	18.01
26.		2	1	11	1	1	5				0	0	0	0	0	0	0	19
H.C. TRIB W R KN	8.4	4.7	56.0	3.1	26.7				3.5			0.5	0.0	0.0	0.0	0.0	0.0	0.9
27.		1	0	1	0	1	1				0	0	0	0	0	0	0	3
H.C. TRIB @ SCOT	19.4	6.5	32.2	0.0	35.5	2.0	3.5		2.0			6.5	0.0	0.0	0.0	0.0	0.0	0.1
28.		1	1	1	0	0	0		0		0	0	0	0	0	0	0	4
H.C. TRIB ALKER	28.2	30.8	33.3	0.0	7.7	0.0	7.7		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
29.		0	0	5	0	0	5		0		0	0	0	0	0	0	0	11
ROCK CR EAST	0.9	4.5	45.5	0.0	45.0	0.0	45.0		0.0		0	3.6	0.0	0.0	0.0	0.0	0.0	0.5
30.		0	1	11	0	14	0		0		0	1	0	0	0	0	0	28
ROCK CR WEST	0.7	4.6	38.6	0.0	51.8	0.0	51.8		0.0		0.0	4.3	0.0	0.0	0.0	0.0	0.0	1.3
32.		0	0	0	3	0	0		1		0	0	0	0	0	0	0	5
MURCN TRIB NORM	0.0	4.3	6.5	73.9	0.0	0.0	0.0		15.2		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
35.		0	1	1	9	0	0		17		0	21	0	0	0	0	15	64
CATTARAUGUS S B	0.0	2.3	1.4	14.3	0.0	0.0	0.0		25.7		33.0	0.0	0.0	0.0	0.0	0.0	23.3	3.0
COLUMN	323	178	845	57	611	25	83		25		83	0	0	0	9	24	2161	100.0

CHI SQUARE = 1302.92432 WITH 252 DEGREES OF FREEDOM SIGNIFICANCE = 0.0000
 CRAMER'S V = 0.25805

NUMBER OF MISSING OBSERVATIONS = 417

COOCCURRENCE TABLES

FILE C0CUB3 (CREATION DATE = 02/16/79) BUFFALO DIST., COE LAKE ERIE LAND RESOURCE INFO SYSTEM

***** C R O S S T A B U L A T I O N O F *****
 BASIN SAMPLING STATION BASIN BY SLOPE DCM URBAN SLOPE VALUE *****
 ***** PAGE 1 OF 4 *****

COUNT ROW PCT	SLOPE															TOTAL
	MISSING	LESS THAN 0.5 C.2		1.0	2.0	3-5	6-8	9-11	12-14	15-17						
	0	1	2	3	4	5	6	7	8	9						
BASIN	0	1	2	3	4	5	6	7	8	9						
BELLE R @ MEMPH	8	20	14	50	1	45	0	12	0	3					154	
	5.0	12.8	8.9	32.5	0.5	29.4	0.0	7.7	0.0	1.9					2.4	
BLACK R @ FARGO	14	51	20	312	2	57	3	14	0	2					475	
	3.0	10.7	4.1	65.6	0.5	11.9	0.6	2.9	0.0	0.5					7.3	
CLINTON R @ MT	412	60	31	142	9	84	0	18	0	4					763	
	54.0	7.9	4.1	18.7	1.2	11.0	0.0	2.3	0.0	0.5					11.7	
MURON R @ S MET	267	102	20	46	42	169	0	76	0	19					761	
	35.1	13.4	2.7	6.1	5.5	22.1	0.0	10.0	0.0	2.5					11.7	
MILL CR @ AVOCA	6	22	10	66	0	49	0	9	0	2					145	
	3.8	13.1	6.2	39.8	0.1	30.0	0.0	5.4	0.0	1.2					2.5	
RASIN R @ MR MON	167	48	217	55	143	242	0	100	0	19					1615	
	16.5	4.7	21.4	5.5	14.1	23.8	0.0	9.8	0.0	1.9					15.6	
ROUGE R @ W. JEF	313	24	17	35	28	46	0	16	0	2					480	
	65.1	5.0	3.5	7.2	5.7	9.6	0.0	3.2	0.0	0.4					7.4	
BLACK R @ ELV	70	1	30	178	5	103	1	14	0	1					410	
	17.0	0.4	7.3	43.4	1.3	25.0	0.3	3.4	0.0	0.3					6.3	
ROCKY @ BERA	96	1	17	69	2	83	0	24	0	1					267	
	21.0	0.2	6.3	25.8	0.7	31.2	0.0	9.1	0.0	0.5					4.1	
CUYAMOGA @ IND	280	16	28	87	1	214	8	74	8	13					701	
	35.6	2.3	4.0	12.4	0.1	30.6	0.0	10.7	0.0	1.8					10.7	
EUCLID CR	13	0	0	6	0	3	0	0	0	0					23	
	54.3	0.0	2.0	24.1	1.1	12.6	0.0	0.3	0.0	1.4					0.4	
BIG CR @ CLVO	28	0	0	3	0	3	0	1	0	1					38	
	75.6	0.0	1.1	7.7	0.4	9.0	0.0	2.1	0.0	1.3					0.6	
COLUMN TOTAL	1938	345	683	1205	271	1389	66	434	0	77					6524	
TOTAL	29.7	5.3	10.5	18.5	4.2	21.3	1.0	6.6	0.0	1.2					100.0	

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(CONTINUED)

COOCCURRENCE TABLES

FILE COCUP1 (CREATION DATE = 07/16/79) BUFFALO DIST., COE LAKE ERIF LAND RESOURCE INFO SYSTEM

***** C R O S S T A B U L A T I O N O F *****
 BASIN SAMPLING STATION BASIN BY SLOPE DON URBAN SLOPE VALUE *****
 ***** PAGE 2 OF 4 *****

BASIN	COUNT		SLOPE		ROW PCT	TOTAL
	1	2	118 OR GREATER	10		
BELLE R @ MEMPH	60	2	1.3	1.3	154	2.4
BLACK R @ FARGO	41	1	0.1	0.1	475	7.3
CLINTON R @ MT	42	2	0.3	0.3	763	11.7
HURON R @ S MET	44	20	2.6	2.6	761	11.7
MILL CR @ AVOCA	45	1	0.4	0.4	165	2.5
RASIN R @ MON	46	23	2.3	2.3	1015	15.6
ROUGE R @ W. JEF	47	1	0.1	0.1	480	7.4
BLACK R @ ELY	48	7	1.6	1.6	410	6.3
ROCKY @ BEREA	51	14	5.2	5.2	267	4.1
CUYAHOGA @ IND	52	18	2.5	2.5	701	10.7
FUELIO CR	63	1	4.0	4.0	23	0.4
BIG CR @ CLVD	64	1	2.5	2.5	39	0.6
COLUMN TOTAL	117	1.8			6326	100.0

(CONTINUED)

COOCCURRENCE TABLES

FILE C0003 (CREATION DATE = 02/16/79) BUFFALO DIST., CCE LAKE EPIE LAKE RESOURCE INFO SYSTEM

***** C P O S S I B I L I T I E S O F *****
 BASIN SAMPLING STATION BASIN BY SLOPE DOWN URBAN SLOPE VALUE *****
 ***** PAGE 3 OF 4 *****

BASIN	COUNT ROW PCT	SLOPE											TOTAL
		MISSING	LESS THAN 0.2	0.5	1.0	2.0	3-5	6-8	9-11	12-14	15-17		
CHAGRIN @ MIL	65	0	1	2	3	4	5	6	7	8	9		245
		32	1	17	36	2	103	0	32	0	6		3.8
		13.1	0.2	7.0	14.6	0.7	42.1	0.0	13.0	0.0	2.6		
GRAND @ PAIN	66	286	0	190	57	10	130	0	21	0	2		704
		40.6	0.1	27.0	8.1	1.4	18.5	0.0	3.0	0.0	0.3		10.8
ASHTABULA R	69	7	0	56	14	5	42	4	8	0	0		137
		5.0	0.0	41.2	10.4	3.4	30.6	2.9	6.2	0.0	0.3		2.1
CCMNEAUT CR	71	11	0	16	50	22	15	58	15	0	0		189
		5.6	0.0	8.3	26.3	11.6	7.9	30.5	7.7	0.0	0.0		2.9
COLUMN TOTAL	1938	345	683	1205	271	1389	66	436	77	0	77		6526
	29.7	5.3	10.5	18.5	4.2	21.3	1.0	6.6	1.2	0.0	1.2		100.0

(CONTINUED)

COOCCURRENCE TABLES

FILE C00U03 CREATION DATE = 02/16/79) BUFFALO DIST., COE LAKE ERIE LAND RESOURCE INFO SYSTEM

..... C R O S T A B U L A T I O N O F
 BASIN SAMPLING STATION BASIN BY SLOPE DON URBAN SLOPE VALUE
 PAGE 4 OF 4

	COUNT	SLOPE	ROW	ROW
	PCT	10 OR	GREATER	TOTAL
		10		
BASIN				
CHAGRIN B WIL	65	16		245
		6.7		3.8
GRAND B PAIM	66	8		704
		1.1		10.8
ASHTADULA R	65	0		137
		0.0		2.1
CCWNEAUT CR	71	4		189
		2.0		2.9
COLUMN		117		6526
TOTAL		1.0		100.0

COOCCURRENCE TABLES

FILE CDEUM3 ICPEATION DATF - 02/16/79) BUFFALO DIST., CUE LMF ERIE LAND PESOURCE INFO SYSTEM

***** C R D S S T A B U L A T I C M *****
 BASIN SAMPLING STATION PASIN BY SLOPE DON URBAN SLOPE VALUE ***** PAGE 1 OF 2

	COUNT	SLOPE										18 OR	ROM
	ROW PCT	MISSING	LESS THAN	0.5	1.0	2.0	3-5	9-11	15-17	18 OR	GREATER	10	TOTAL
BASIN	43	0	1	2	3	4	5	7	9	10			
SASHABAN CR & DR	90.5	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.1			24
													1.0
BLACK PLUM CR	20.3	0.3	1	6.7	65.3	0.0	9.2	0.3	0.0	0.0			14
													1.0
BLACK NEFF CR	6.9	0.0	0	4.6	59.4	0.0	22.3	1.7	0.0	0			6
													0.5
CUYAHOGA & OLD	178	11	5	44	0	108	36	4	1				392
	45.4	2.8	2.3	11.3	0.0	27.5	9.2	1.1	0.3				28.2
CUYAHOGA & PENIN	197	13	15	55	0	150	52	7					496
	39.7	2.6	3.1	11.1	0.0	30.2	10.4	1.4	1.5				35.7
CUYAHOGA & MIRAM	108	1	2	8	0	24	5	1	0				150
	72.2	0.5	1.2	5.6	0.0	16.3	3.5	0.6	0.2				10.0
LITTLE CUYAHOGA	32	2	1	6	0	14	6	1	0				62
	52.7	3.8	1.6	9.0	0.0	22.8	9.1	0.9	0.1				6.4
MUD CR	5	1	2	5	0	12	3	0	0				29
	16.1	4.8	5.6	16.9	0.0	42.4	11.7	1.5	1.0				2.1
YELLOW CREEK	3	0	2	3	0	14	6	1	2				31
	10.7	1.5	5.0	8.9	0.0	45.0	20.3	2.9	5.7				2.2
FURNACE CR	2	0	1	2	0	9	3	1	3				20
	10.2	0.0	4.8	12.2	0.0	46.0	12.7	2.7	13.4				1.4
BRANDYME CR	4	0	2	5	0	12	3	0	1				27
	16.4	0.7	6.6	20.0	0.0	42.8	10.2	0.3	2.9				1.9
CHEPPEWA CR	3	0	1	4	0	6	2	0	2				18
	18.5	0.0	3.6	22.6	0.0	33.7	8.7	2.0	10.9				1.3
COLUMN TOTAL	600	31	41	167	1	386	127	17	20				1390
	43.2	2.2	3.0	12.0	0.0	27.8	9.1	1.2	1.5				100.0

(CONTINUED)

COOCCURRENCE TABLES
 FILE C00003 (CREATION DATE = 02/16/70) BUFFALO DIST. COE LAKE ERIE LAND RESOURCE INFO SYSTEM
 C P O S T A B U L A T I O N P F
 BASIN SAMPLING STATION BASIN BY SLOPE NON URBAN SLOPE VALUE PAGE 2 OF 2

	COUNT ROW PCT	SLOPE										18 OR GREATER	ROW TOTAL
		MISSING	LESS THAN 0.2	0.5	1.0	2.0	3-5	9-11	15-17				
BASIN	62	27 27.7	1 1.4	5 5.3	17 17.9	0 0.0	30 30.6	10 10.7	2 2.4	4 3.7	97 7.0		
TINKERS CR	67	5 100.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	5 0.4		
HECKINS CR	68	5 100.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	5 0.4		
MONTVILLE D	70	3 18.7	0 0.0	1 9.8	4 27.8	0 1.0	5 33.7	1 9.1	0 0.0	0 0.0	15 1.1		
MUDDARD RUN		600 43.2	31 2.2	41 3.0	167 12.0	1 0.0	386 27.9	127 9.1	17 1.2	20 1.5	1390 100.0		

COOCCURRENCE TABLES

FILE PFI CREATION DATE = 11/07/781 BUFFALO DIST., COE LAKE ERIE LRIS

SAMPLING STATION BASIN CROSS TABULATION OF MAJOR LAND USE CATEGORIES BY LL

PAGE 1 OF 2

COUNT	ROW PCT	COL PCT	TOT PCT	LU										ROW TOTAL
				ICROPLAND	VINEYARD	PASTURE	FOREST	WATER	OTHER					
BASIN														
MAUMEE & WATERVILLE	1.			4746	1	202	526	218	5.1	6.1				
				75.6	0.0	3.2	8.4	3.5			588			
				57.2	5.1	37.0	36.1	64.8	47.8		9.4			
PERTAGE & WOODY	2.			40.0	0.0	1.7	4.4	1.8	5.0					
				342	0	14	22	3	17		395			
				85.5	0.0	3.6	5.6	0.9	4.3		3.4			
SANDUSKY & FFM	3.			4.1	0.0	2.7	1.5	1.0	1.4					
				2.9	0.0	0.1	0.2	0.0	0.1		1237			
				989	0	28	111	25	84		10.4			
HURON & MILAN	31.			79.9	0.0	2.3	8.9	2.0	6.8		366			
				11.9	0.0	5.2	7.6	7.3	6.9		3.1			
				8.3	0.0	0.2	0.9	0.2	0.7					
VERMILION NR VER	13.			275	0	13	46	8	23		216			
				75.3	0.1	3.5	12.5	2.2	6.4		1.8			
				3.3	2.9	0.4	3.1	2.3	1.9					
CAITARAUGUS & CO	36.			2.3	0.0	0.1	0.4	0.1	0.2		425			
				151	0	9	41	2	12		3.6			
				70.0	0.0	4.3	18.9	1.2	5.6					
DELAWARE NR ANGO	36.			1.8	0.6	1.7	2.8	0.7	1.0		7			
				1.3	0.0	0.1	0.3	0.0	0.1		0.1			
				179	1	30	165	10	39					
TOTAL				42.2	0.3	7.2	38.9	2.4	9.2		11876			
				2.2	6.3	5.6	11.4	3.0	3.2		100.0			
				1.5	0.0	0.3	1.4	0.1	0.3					
TOTAL	36.			4	0	0	2	0	1					
				57.6	0.0	4.5	27.3	1.5	9.1		0.1			
				0.0	0.0	0.1	0.1	0.0	0.0					
TOTAL				0.0	0.0	0.0	0.0	0.0	0.0					
				8292	17	545	1455	337	1230		11876			
				69.8	0.1	4.6	12.2	2.8	10.4		100.0			
CONTINUED														

(CONTINUED)

CODDURRENCE TABLES

FILE MFI CREATION DATE = 11/27/78) BUFFALO DIST., CCF LONG ERIE LRS
 BASIN CUSSTABULATION OF MAJOR LAND USE CATEGORIES
 SAMPLING STATION BASIN BY LC
 PAGE 2 OF 2

COUNT	LU										ROW	TOT
	ICROPLAND	VINEYARD	PASTURE	FOREST	WATER	OTHER						
ROW PCT	1.1	2.1	3.1	4.1	5.1	6.1						
COL PCT	1.1	2.1	3.1	4.1	5.1	6.1						
TOT PCT	1.1	2.1	3.1	4.1	5.1	6.1						
37.	12	0	2	17	0	4					35	
1.0 MILE CR NR B	33.7	0.0	5.7	49.6	0.0	11.0					0.3	
	0.1	0.0	0.4	1.2	0.0	0.3						
	0.1	0.0	0.0	0.1	0.0	0.0						
38.	1	0	0	2	0	0					3	
RACON CR 3 W SP	30.3	0.0	6.1	54.5	0.0	9.1					0.0	
	0.0	0.0	0.0	0.1	0.0	0.0						
	0.0	0.0	0.0	0.0	0.0	0.0						
39.	1	0	1	2	0	3					8	
MILL CR 2 ERIE	13.4	2.4	14.6	29.3	1.2	39.0					0.1	
	0.0	1.1	0.2	0.2	0.0	0.3						
	0.0	0.0	0.0	0.0	0.0	0.0						
80.	1592	15	244	521	79	458					2899	
DIRECT DRAINAGE	54.9	0.5	8.4	18.0	2.4	15.8					24.4	
	19.2	24.0	44.8	35.8	20.7	37.2						
	13.4	0.1	2.1	4.4	0.6	3.9						
COLUMN	8292	17	545	1455	337	1230					11876	
TOTAL	69.8	0.1	4.6	12.2	2.8	10.4					100.0	

BASIN BASIN SAMPLING STATION BASIN C R L S T A B U L A T I O N U F M A J O R L A N D U S E C A T A G O M I E S P A G E 1 O F 3

(CONTINUED)

CCE LRIS CROSSTABS UPDATE

FILE MFI CREATION DATE = 11/10/78) BUFFALO DIST., COE LAKE ERIE LRIS

***** C R U S T A B U L A T I O N U F *****
 BASIN SAMPLING STATION BASIN ***** BY LU MAJOR LAND USE CATEGORIES *****
 ***** PAGE 2 OF 3 *****

	COUNT	LU	CROPLAND	PASTURE	FOREST	WATER	OTHER	RUM
	ROW	PCT						TOTAL
BASIN	15.	77	1.1	3.1	4.1	5.1	6.1	94
MONEY CR UP AIC	82.5	1	0.6	9.4	0.6	6.8	3.6	
16.	61	0	0	0	0	0	74	
MONEY CR UP ATT	82.8	0.4	8.4	0.7	7.7	0.4	2.8	
17.	23	0	0	2	0	1	26	
MONEY CR @ WELS	89.4	0.0	7.2	0.0	3.4	1.0	1.0	
18.	10	0	0	1	0	2	13	
MONEY CR MARSH	75.8	0.0	5.5	0.0	18.8	0.5	0.5	
19.	13	0	0	1	0	0	15	
MONEY CR MR WAYN	89.1	0.0	7.5	0.0	3.4	0.6	0.6	
20.	4	0	0	0	0	0	5	
M.C. TRIB DEL MO	87.8	0.0	10.2	0.0	2.0	0.2	0.2	
21.	5	0	0	0	0	0	5	
M.C. TRIB BUCKEY	92.0	0.0	8.0	0.0	0.0	0.2	0.2	
22.	20	0	0	3	0	1	23	
M.C. TRIB SILVER	83.8	0.0	12.0	0.0	4.3	2.9	2.9	
23.	13	0	0	2	0	0	16	
M.C. TRIB SILVER	86.5	0.0	10.3	0.0	3.2	0.6	0.6	
24.	10	0	0	1	0	0	11	
M.C. TRIB SILVER	87.7	0.0	5.6	0.0	2.6	0.4	0.4	
25.	13	0	0	1	0	1	16	
M.C. TRIB AICH	83.6	1.3	8.2	0.0	6.9	0.6	0.6	
COLUMN TOTAL	2120	49	257	40	171	2638	100.0	
(CENT INJED)	80.4	1.9	5.7	1.5	6.5			

CDE LRIS CROSS TABS UPDATE

FILE #01 (CREATION DATE - 11/10/18) BUFFALO DIST., CUE LAKE ERIE LRIS

BASIN SAMPLING STATION BASIN C H U S T A B U L A T I O N U F MAJOR LAND USE CATEGORIES BY LU PAGE 3 OF 3

	COUNT	LU	CRUPLAND	PASTURE	FOREST	WATER	OTHER	ROW TOTAL
	ROW PCT		1.1	3.1	4.1	5.1	6.1	
BASIN								
26. M.C. TRIB BR RN	16	0	2	0	1	0	1	19
	84.5	0.5	8.6	1.0	5.2			0.7
27. M.C. TRIB @ SCUT	3	0	0	0	0	0	0	3
	93.5	0.0	6.5	0.0	0.0			0.1
28. P.C. TRIB ACKER	3	0	0	0	0	0	0	4
	89.7	0.0	7.1	0.0	2.6			3.1
29. ROCK CR EAST	9	0	1	0	0	0	0	11
	85.6	1.8	10.8	0.0	1.8			3.4
30. ROCK CR WEST	27	1	4	0	2	0	0	34
	79.4	2.4	12.1	1.2	5.0			1.3
32. MURCH TRIB NORM	3	0	0	0	0	0	0	5
	68.7	2.1	10.4	8.3	10.4			0.2
35. CATTARAUGUS S B	30	5	28	1	5	0	0	68
	43.4	6.7	40.5	1.5	7.6			2.6
COLUMN TOTAL	2120	49	251	40	171			2638
	80.4	1.9	9.7	1.5	6.5			100.0

CHI SQUARE = 139.91707 WITH 112 DEGREES OF FREEDOM SIGNIFICANCE = 0.0362
CRAMER'S V = 0.11516

COOCCURRENCE TABLES

FILE C00U03 CREATION DATE = 02/16/79) BUFFALO DIST., COE LAKE ERIE LAND RESOURCE INFO SYSTEM

***** C P D S T A U L A T I C N O F *****
 BASIN SAMPLING STATION BASIN BY LU MAJCP LAND USE CATEGORIES
 ***** PAGE 1 OF 2 *****

	COUNT	LU	ICROPLANO	VINEYARD	PASTURE	FOREST	WATER	OTHER	MISSING	ROW
ROW PCT										TOTAL
	1	2	3	4	5	6	7	8	9	
BASIN	106	1	9	17	5	17	0	154		
BELLE R @ MEMPH	68.7	0.4	5.8	10.9	3.0	11.1	0.2	2.4		
BLACK R @ FARGO	369	0	18	27	10	50	1	475		
	77.7	0.1	3.8	5.6	2.1	10.5	0.2	7.3		
CLINTON R @ MT	196	4	174	52	25	280	32	763		
	25.6	0.5	22.9	6.8	3.3	36.7	4.2	11.7		
HURON R @ S MET	224	2	159	77	40	247	12	761		
	29.4	0.3	20.8	10.2	5.3	32.4	1.6	11.7		
MILL CR @ AVOCA	120	0	7	18	4	15	0	165		
	72.6	0.1	4.3	11.1	2.7	9.0	0.3	2.5		
RASIN R @ MR MON	681	1	69	91	31	138	4	1015		
	67.1	0.1	6.8	9.0	3.0	13.6	0.4	15.6		
ROUGE R @ W. JEF	39	2	106	26	6	291	11	480		
	8.1	0.3	22.1	5.5	1.3	60.6	2.2	7.4		
BLACK R @ ELY	223	0	72	71	4	25	15	410		
	54.4	0.1	17.6	17.3	0.9	6.1	3.6	6.3		
ROCKY @ BAREA	70	0	78	56	3	58	1	267		
	26.2	0.1	29.4	21.2	1.0	21.7	0.4	4.1		
CUYAHOGA @ IND	29	0	302	204	21	143	2	701		
	4.2	0.0	43.1	29.1	3.0	20.4	0.2	10.7		
EUCLEO CR	1	0	4	4	0	15	0	23		
	2.2	0.0	16.7	16.7	0.2	64.3	0.0	0.4		
BIG CR @ CLVD	0	0	8	3	0	27	0	38		
	0.0	0.0	20.3	6.5	0.1	71.1	0.0	0.6		
COLUMN TOTAL	2441	17	1235	1130	172	1451	78	6526		
	37.4	0.3	18.9	17.3	2.6	22.2	1.2	100.0		

(CONTINUED)

COOCCURRENCE TABLES

FILE C0C0R3 ICREATION DATE = 02/16/79) BUFFALO DIST., COE LAKE ERIE LAND RESOURCE INFO SYSTEM

SAMPLING STATION BASIN C P D S S T A B U L A T I C N OF MAJOR LAND USE CATEGORIES PAGE 2 OF 2

COUNT ROW PCT	LU											ROW TOTAL
	CROPLAND	VINEYARD	PASTURE	FOREST	WATER	OTHER	MISSING					
BASIN	1	2	3	4	5	6	7					
65	12	0	62	106	5	60	0				245	
CHAGRIN & MIL	4.9	0.0	25.4	43.1	2.0	24.5	0.0				3.8	
66	244	5	136	249	14	57	0				704	
GRAND & PAIR	34.6	0.7	19.2	35.4	2.0	8.1	0.0				10.8	
69	57	0	20	46	1	12	0				137	
ASHTABULA R	41.6	0.3	14.3	33.9	1.0	9.0	0.0				2.1	
71	72	1	12	83	3	17	0				189	
CONNEAUT CR	38.2	0.7	6.4	43.8	1.8	9.2	0.0				2.9	
COLUMN	2441	17	1235	1130	172	1451	78				6526	
TOTAL	37.4	0.3	18.9	17.3	2.6	22.2	1.2				100.0	

COOCCURRENCE TABLES

FILE C0C0R3 (CREATION DATE = 02/16/79) BUFFALO DIST., COE LAKE ERIE LAND RESOURCE INFO SYSTEM

***** C R O S S T A B U L A T I O N O F *****
 BASIN SAMPLING STATION BASIN BY LU MAJOR LAND USE CATEGORIES *****
 ***** PAGE 1 OF 2 *****

	COUNT	LU	1	2	3	4	5	6	7	8	9	ROW TOTAL
BASIN	43	2	0	9	2	1	9	0	24			
SASHABAM CR @ CR	10.1	0.1	36.7	8.4	5.2	37.6	1.5	1.8				
49	7	0	3	1	0	2	0	14				
BLACK PLUM CR	51.0	0.5	23.2	10.5	0.0	14.7	0.0	1.0				
50	3	0	1	2	0	0	0	6				
BLACK NEFF CR	52.0	0.0	19.4	26.3	0.6	1.7	0.0	0.5				
53	19	0	167	108	19	77	1	392				
CUYAHOGA @ OLD	4.8	0.0	42.6	27.7	4.9	19.6	0.4	28.2				
54	24	0	222	141	20	87	1	496				
CUYAHOGA @ PENIN	4.8	0.0	44.8	28.5	4.0	17.6	0.3	35.7				
55	8	0	59	55	15	13	0	150				
CUYAHOGA @ HIRAM	5.2	0.0	39.3	36.5	10.3	8.7	0.0	10.8				
56	1	0	19	11	1	28	1	62				
LITTLE CUYAHOGA	2.1	0.0	30.9	17.3	2.4	45.8	1.5	4.4				
57	2	0	16	7	0	4	0	29				
MUD CR	5.5	0.0	56.3	23.1	0.5	14.6	0.0	2.1				
58	2	0	18	8	0	3	0	31				
YELLOW CREEK	7.9	0.0	58.8	24.6	0.5	8.3	0.0	2.2				
59	1	0	10	8	0	2	0	20				
FURNACE CR	2.7	0.0	48.1	41.1	0.0	8.1	0.0	1.4				
60	0	0	12	9	0	6	0	27				
BRANDYWINE CR	1.2	0.0	45.0	31.7	0.0	22.0	0.1	1.9				
61	0	0	4	6	0	7	0	18				
CHIPPENAW CR	2.0	0.0	21.2	35.3	0.0	41.5	0.0	1.3				
COLUMN TOTAL	76	0	593	386	60	270	4	1390				
TOTAL	5.5	0.0	42.7	27.8	4.3	19.5	0.3	100.0				

(CONTINUED)

COOCCURRENCE TABLES

FILE C0C0U3 (CREATION DATE = 02/16/79) BUFFALO DIST., COE LAKE ERIE LAND RESOURCE INFO SYSTEM

BASIN C P O S T A B U L A T I O N D E M A J O R L A N D U S E C A T E G O R I E S

BY LU

PAGE 2 OF 2

LU												
COUNT	ROW PCT	CROPLAND	VINEYARD	PASTURE	FOREST	W. TER	OTHER	MISSING	ROW TOTAL			
BASIN		1	2	3	4	5	6	7				
62	4	0	45		22	1	24	0	97			
TIMKERS CR	3.9	0.0	46.3		23.2	1.3	25.3	0.0	7.0			
67	1	0	2		2	0	0	0	5			
MOSKINS CR	11.0	0.0	47.1		33.8	6.6	0.7	0.7	0.4			
68	1	0	2		2	0	0	0	5			
MONTVILLE D	11.0	0.0	47.1		33.8	6.6	0.7	0.7	0.4			
70	1	0	3		3	0	7	0	15			
HUBBARD RUN	7.9	0.2	21.9		19.7	1.5	48.9	0.0	1.1			
COLUMN TOTAL	76 5.5	0 0.0	593 42.7		386 27.8	60 4.3	270 19.5	4 0.3	1390 100.0			

COOCCURRENCE TABLES

FILE MFI ICPEATION DATE = 11/07/78) BUFFALO DIST., CCE LAKE ERIE LRIS

***** C R O S S T A B U L A T I O N O F *****
 BASIN SAMPLING STATION BASIN BY KEAC INTRINSIC ERODABILITY *****
 ***** PAGE 1 OF 2 *****

COUNT	KFAC															ROW TOTAL
	10.10	0.15	0.17	0.20	0.24	0.28	0.32	0.37	0.43	0.49	0.491					TOTAL
BASIN	75	4	149	74	925	1701	113	528	1717	10	5297					5297
MAUMEE @ WATERVI	1.4	0.1	2.8	1.4	17.5	32.1	2.1	10.0	32.4	0.2	52.2					52.2
	77.5	16.5	30.2	17.6	66.2	57.2	25.7	44.8	60.6	3.6						
	0.7	3.0	1.5	0.7	9.1	16.8	1.1	5.2	16.9	0.1						
2.	0	0	25	11	31	220	10	24	66	0	386					386
PERTAGE @ WOODY	0.0	0.0	6.5	2.7	7.9	57.0	2.6	6.1	17.0	0.0	3.8					3.8
	0.0	0.0	5.1	2.5	2.2	7.4	2.3	2.0	2.3	0.0						
	0.0	0.0	0.2	0.1	0.3	2.2	0.1	0.2	0.6	0.0						
3.	5	1	7	6	88	118	39	238	388	0	891					891
SANDUSKY @ FRI	0.5	0.1	0.8	0.7	9.9	13.2	4.4	26.7	43.5	0.0	8.8					8.8
	4.8	5.1	1.5	1.4	6.3	6.0	9.0	20.2	13.7	0.0						
	0.0	0.0	0.1	0.1	0.9	1.2	0.4	2.3	3.8	0.0						
31.	7	0	7	0	16	26	74	73	145	9	358					358
MURON @ MILAN	2.0	0.0	2.0	0.1	4.6	7.2	20.6	20.5	40.7	2.4	3.5					3.5
	7.2	0.2	1.4	0.0	1.2	0.9	16.8	6.2	5.1	3.0						
	0.1	0.0	0.1	0.0	0.2	0.3	0.7	0.7	1.4	0.1						
33.	2	0	0	0	5	8	33	48	112	2	210					210
VERMILION NR VER	0.8	0.0	0.0	0.0	2.2	4.0	15.8	22.7	53.5	0.9	2.1					2.1
	1.7	0.0	0.0	0.0	0.3	0.3	7.6	4.0	4.0	0.7						
	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.5	1.1	0.0						
34.	2	0	63	120	99	4	28	8	5	75	403					403
CATTARAUGUS @ GO	0.5	0.0	15.6	29.8	24.4	0.9	6.9	2.0	1.3	18.5	4.0					4.0
	2.3	0.0	12.8	28.6	7.1	0.1	6.4	0.7	0.2	26.1						
	0.0	0.0	0.6	1.2	1.0	0.0	0.3	0.1	0.1	0.7						
36.	0	0	1	0	1	1	0	1	0	1	6					6
DELAWARE NR ANGO	0.0	0.0	12.5	0.0	15.6	10.7	5.4	25.0	0.0	26.8	0.1					0.1
	0.0	0.2	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.5						
	0.0	0.0	3.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0						
COLUMN TOTAL	97	25	492	421	1397	2972	439	1180	2834	285	10144					10144
TOTAL	1.0	0.3	4.9	4.2	13.8	29.3	4.3	11.6	27.9	2.8	100.0					100.0

(CONTINUED)

COOCCURRENCE TABLES

FILE MF1 CREATION DATE = 11/07/78) BUFFALO DIST., CDE LAKE ERIE LRIS

***** C R O S S T A B U L A T I O N O F *****
 BASIN SAMPLING STATION BASIN BY KEAC INTRINSIC ERODABILITY *****
 ***** PAGE 2 OF 2 *****

REAC												
COUNT	0.10	0.15	0.17	0.20	0.24	0.28	0.32	0.37	0.43	0.49	ROW	
ADM PCT	0.10	0.15	0.17	0.20	0.24	0.28	0.32	0.37	0.43	0.49	TOTAL	
COL PCT	0.10	0.15	0.17	0.20	0.24	0.28	0.32	0.37	0.43	0.49		
TOT PCT	0.10	0.15	0.17	0.20	0.24	0.28	0.32	0.37	0.43	0.49		
BASIN												
37.	0	0	2	11	3	4	2	6	0	5	34	
18 MILE CR MR B	0.3	0.0	6.5	33.1	9.1	10.9	7.3	16.7	1.2	15.0	0.3	
	0.1	0.0	0.4	2.7	0.2	0.1	0.6	0.5	0.0	1.8		
	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1		
38.	0	0	0	0	1	0	0	0	2	0	3	
RACON CR @ N SP	0.0	0.0	3.0	0.0	18.2	0.0	12.1	0.0	57.6	9.1	0.0	
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1		
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
39.	0	0	1.2	6.2	22.2	8.6	3.7	44.4	12.3	1.2	8	
MILL CR @ ERIE	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.3	0.0	0.0	0.1	
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
80.	6	20	238	198	227	890	138	250	396	103	2547	
DIRECT DRAINAGE	0.2	0.8	9.4	7.8	8.9	35.0	5.4	9.8	15.6	7.2	25.1	
	6.4	78.3	48.4	47.0	16.2	30.0	31.4	21.2	14.0	64.1		
	0.1	0.2	2.3	2.0	2.2	8.8	1.4	2.5	3.9	1.8		
COLUMA	97	25	492	421	1397	2972	439	1180	2834	285	10144	
TOTAL	1.0	0.3	4.9	4.2	13.6	29.3	4.3	11.6	27.9	2.8	100.0	

CHI SQUARE = 3778.83911 WITH 90 DEGREES OF FREEDOM SIGNIFICANCE = 0.0000
 CRAMER'S V = 0.20345

NUMBER OF MISSING OBSERVATIONS = 1721

COE LRIS CROSSSTABS UPDATE

FILE MF1 (CREATION DATE = 11/16/78) BUFFALO DIST., COE LAKE ERIE LRIS

***** C R G S S T A B U L A T I O N C F *****
 BASIN SAMPLING STATION BASIN BY MFAC INTRINSIC ERODABILITY ***** PAGE 1 OF 3

	COUNT	MFAC	0.15	0.17	0.20	0.24	0.28	0.32	0.37	0.43	0.49	ROW
	PCT											TOTAL
BASIN			0.101	0.151	0.171	0.201	0.241	0.281	0.321	0.371	0.431	0.491
4. SANCUSKY @ MEX	4.0	0.3	1	1	1	2	81	48	25	127	226	513
			0.3	0.3	0.3	0.4	15.8	9.5	4.9	24.7	44.0	23.8
5. SANCUSKY @ UP SA	5.0	0.1	0	0	0	2	32	20	19	67	94	235
			0.1	0.1	0.1	0.8	13.7	8.7	8.0	28.6	39.9	10.9
6. SANCUSKY @ BUC	6.0	0.0	0	0	0	1	10	4	8	29	28	80
			0.0	0.0	0.0	0.8	12.3	5.6	10.5	35.8	35.0	3.7
7. TYPICHTEE @ CRAN	7.0	0.2	0	0	0	0	29	17	1	15	54	121
			0.2	0.5	0.4	0.0	23.6	13.7	0.9	12.0	48.6	5.6
8. BRCKEN SMD @ MEV	8.0	0.0	0	0	0	0	6	6	5	25	30	74
			0.0	0.0	0.1	0.7	8.3	8.0	7.0	34.6	41.3	3.4
9. WOLFMEST @ BET	9.0	0.0	0	0	0	0	1	26	1	10	20	57
			0.0	0.0	0.2	0.2	1.6	44.7	1.9	16.7	34.8	2.7
10. WOLF-EAST @ FT S	10.0	0.0	0	0	0	0	1	7	1	10	27	45
			0.0	0.0	0.4	0.2	1.1	15.1	1.6	21.7	59.9	2.1
11. HONEY CR @ MO	11.0	3	1.9	0.0	0.2	0	3	16	8	82	62	176
			1.9	0.0	0.2	0.2	1.8	9.1	4.8	46.8	35.3	8.2
12. HONEY CR @ 231	12.0	3	2.0	0.0	0.2	0	3	15	7	81	55	143
			2.0	0.0	0.2	0.2	1.8	9.0	4.5	49.1	33.3	7.6
13. HONEY CR @ MELM	13.0	3	2.3	0.0	0.2	0	3	13	6	74	46	146
			2.3	0.0	0.2	0.2	1.9	9.1	4.0	50.8	31.6	6.8
14. HONEY CR @ UP SIL	14.0	3	2.7	0.0	0.2	0	3	12	5	57	36	117
			2.7	0.0	0.2	0.3	2.4	10.7	3.9	48.8	31.1	5.4
COLUMN TOTAL	25	2	11	11	37	193	224	107	122	428	11	2137
	1.2	0.1	0.5	0.5	1.7	8.9	10.4	4.9	33.5	36.3	0.5	100.0

(CONTINUED)

CCE LRIS LRCSTABS UPDATE

FILE MFI (CREATION DATE = 11/10/78) BUFFALO DIST., LUE LAKE ENIE LRIS

***** C H O S S T A B U L A T I O N U F *****
 BASIN SAMPLING STATION BASIN BY MFAC INTRINSIC ERGACILITY
 ***** PAGE 2 OF 3

	0.10	0.15	0.17	0.20	0.24	0.28	0.32	0.37	0.43	0.49	RDM TOTAL
COUNT											
ROW PCT											
MFAC											
BASIN	0.101	0.151	0.171	0.201	0.241	0.281	0.321	0.371	0.431	0.491	
15. HONEY CR UP AIC	3	0	C	0	3	11	4	39	32	0	92
	3.5	0.0	0.0	0.3	2.9	11.9	4.5	41.9	35.0	0.0	4.3
16. HONEY CR UP ATT	3	0	C	0	3	10	3	29	23	0	72
	4.4	0.0	0.0	0.4	3.6	14.4	4.7	40.0	32.5	0.0	3.4
17. HONEY CR 2 WEIS	0	0	C	0	1	5	2	8	9	0	25
	0.4	0.0	0.0	0.8	4.3	19.4	7.1	32.0	36.0	0.0	1.2
18. HONEY CR MARSH	3	0	C	0	1	2	1	2	4	0	13
	24.4	0.0	0.0	0.0	6.3	14.2	7.1	16.5	31.5	0.0	0.6
19. HONEY CR NR WAYN	0	0	C	0	1	3	1	5	4	0	14
	0.0	0.0	0.0	1.4	4.2	22.9	10.4	33.3	27.8	0.0	0.7
20. M.C. TRIB BEL NU	0	0	0	0	0	0	0	1	4	0	5
	0.0	0.0	0.0	0.0	2.0	0.0	8.2	16.3	13.5	0.0	0.2
21. M.C. TRIB BUCKEY	0	0	C	0	0	0	0	3	2	0	5
	0.0	0.0	0.0	0.0	2.1	0.0	0.0	58.3	39.6	0.0	0.2
22. M.C. TRIB SILVER	0	0	C	0	0	1	0	14	7	0	23
	0.4	0.0	0.9	0.0	0.4	2.6	1.7	62.8	31.2	0.0	1.1
23. M.C. TRIB SILVER	0	0	C	0	0	0	0	8	6	0	15
	0.6	0.0	0.0	0.0	0.6	2.6	0.6	53.5	41.9	0.0	0.7
24. M.C. TRIB SILVER	0	0	C	0	0	0	0	3	6	0	11
	0.0	0.0	0.0	0.0	0.0	3.5	0.9	42.5	53.1	0.0	0.5
25. M.C. TRIB AICH	0	0	C	0	0	1	0	15	0	0	16
	0.0	0.0	0.0	0.0	0.0	3.8	0.0	94.2	1.9	0.0	0.7
COLUMN TOTAL	25	2	11	37	193	224	107	722	825	11	2157
TOTAL	1.2	0.1	0.5	1.7	8.9	10.4	4.9	33.5	38.3	0.5	100.0

(CONTINUED)

CCE LUIS CRUSSTABS UPDATE

FILE MF1 (CREATION DATE = 11/10/78) BUFFALO DIST., COE LAKE ERIE LUIS

***** CRUSSTABULATION OF *****
 BASIN SAMPLING STATION BASIN BY KFAC INTRINSIC ERCCABILITY *****
 ***** PAGE 3 OF 3

COUNT RGM PCT	KFAC											RGM TOTAL
	C.10	0.15	C.17	0.20	0.24	0.28	0.32	0.37	0.43	0.49		
BASIN	0.101	0.151	C.171	0.201	0.241	0.281	0.321	0.371	0.431	0.491		
26. M.C. TRIB BR KN	0	0	C	0	0	2	0	10	6	0	19	
	0.0	0.0	0.0	0.5	1.6	10.5	0.0	55.0	32.5	0.0	0.9	
27. M.C. TRIB @ SCOT	0	0	C	0	0	0	C	1	1	0	3	
	0.0	0.0	0.0	0.0	16.1	3.2	6.5	25.0	45.2	0.0	0.1	
28. M.C. TRIB ACKER	0	0	C	0	0	1	1	1	0	0	4	
	0.0	0.0	0.0	0.0	0.0	38.5	20.5	30.8	10.3	0.0	0.2	
29. ROCK CR EAST	0	0	0	0	0	0	0	1	10	0	11	
	0.0	0.0	C.C	0.0	0.0	3.6	1.8	8.1	86.5	0.0	0.5	
30. ROCK CR WEST	0	0	C	0	0	1	1	3	22	0	28	
	0.0	0.0	0.0	0.0	0.0	5.0	4.6	10.0	80.4	0.0	1.3	
32. MURCN TRIB MORN	0	0	C	0	0	0	0	1	3	0	5	
	0.0	0.0	6.5	0.0	6.5	0.0	10.9	13.0	58.7	4.3	0.2	
35. CATTARAUGUS S B	0	0	1	30	13	1	4	0	0	10	64	
	0.5	0.0	19.2	46.0	19.8	0.9	6.2	0.0	0.2	16.1	3.0	
COLUMN TOTAL	25	2	11	37	193	224	107	722	825	11	2157	
RGM TOTAL	1.2	0.1	0.5	1.7	8.9	10.4	4.9	33.5	38.3	0.5	100.0	

CHI SQUARE = 1768.64089 WITH 252 DEGREES OF FREEDOM SIGNIFICANCE = 0.0000
 CRAMER'S V = 0.30182

NUMBER OF MISSING OBSERVATIONS = 48C

COOCCURRENCE TABLES

FILE C00033 CREATION DATE = 02/16/79) BUFFALO DIST., COE LAKE ERIE LAND RESOURCE INFO SYSTEM

***** C O O C C U R R E N C E T A B L E *****
 BASIN SAMPLING STATION BASIN BY KFAC INTRINSIC PROBABILITY *****
 ***** PAGE 1 OF 4 *****

COUNT ROW PCT	KFAC															ROW TOTAL
	MISSING	0.10	0.15	0.17	0.20	0.24	0.28	0.32	0.37	0.43						
BASIN	0	10	15	17	20	24	28	32	37	43						
40	8	12	0	12	12	20	37	6	12	35					154	
BELLE R 2MEPH	5.0	7.7	0.3	8.0	7.6	13.2	23.8	3.9	7.7	22.9					2.4	
41	14	45	11	43	43	12	155	120	2	31					475	
BLACK R 2 FARGO	3.0	9.5	2.2	9.0	9.0	2.6	32.5	25.2	0.5	6.4					7.3	
42	412	10	50	32	50	50	109	10	23	19					763	
CLINTON R 2 MT	54.0	1.3	6.5	4.1	6.5	6.6	14.3	1.3	3.0	2.4					11.7	
44	267	78	5	93	40	86	44	5	110	33					761	
MURON R 2 S MET	35.1	10.2	0.7	12.2	5.3	11.3	5.8	0.7	14.5	4.3					11.7	
45	6	16	1	13	11	12	39	22	3	41					165	
MILL CR 2 AVOCA	3.8	9.8	0.4	8.2	6.5	7.4	23.9	13.3	2.0	24.8					2.5	
46	167	43	0	52	84	144	206	12	61	245					1013	
RASIN R NR MDN	16.5	4.2	0.0	5.2	8.2	14.2	20.3	1.2	6.0	24.2					15.6	
47	313	2	8	46	34	16	11	6	15	30					480	
ROUGE R 2 M.JEF	65.1	0.3	1.6	9.5	7.2	3.3	2.2	1.3	3.0	6.2					7.4	
48	70	1	0	0	0	1	4	29	71	232					410	
BLACK R 2 ELY	17.0	0.3	0.0	0.0	0.1	0.3	1.0	7.0	17.3	56.7					6.3	
51	56	1	1	0	0	1	3	16	32	158					267	
ROCKY 2 BAREA	21.0	0.2	0.2	0.1	0.0	0.4	1.0	5.9	11.9	59.1					4.1	
52	250	14	3	1	0	19	15	83	120	183					701	
CUYAHOGA 2 IND	35.6	2.0	0.4	0.1	0.0	2.7	2.2	11.9	17.1	26.1					10.7	
63	13	0	0	0	0	0	0	5	2	3					23	
EUCLID CR	54.3	0.0	1.1	0.0	0.0	0.0	0.0	23.1	7.0	14.5					0.4	
64	28	0	0	0	0	0	0	1	1	7					36	
BIG CR 2 CLVD	75.6	0.0	0.1	0.0	0.0	0.0	0.1	2.9	2.0	19.3					0.6	
COLUMN TOTAL	1938	222	85	307	276	394	657	354	800	1425					6526	
TOTAL	29.7	3.4	1.3	4.7	4.2	6.0	10.1	5.4	12.3	21.8					100.0	

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COOCCURRENCE TABLES

FILE C0C0R3 (CREATION DATE = 02/16/79) BUFFALO DIST. - CCE LAKE ERIE LAND RESOURCE INFO SYSTEM

***** C R O S S T A B U L A T I O N O F I N T R I N S I C E R O D A B I L I T Y *****
 BASIN SAMPLING STATION BASIN BY KFAC ***** PAGE 2 OF 4

	COUNT ROM PCT	KFAC ROM PCT	ROM TOTAL
BASIN	49	1	
BELLE R 2 MEMPH	40	0	154
	0.0	0.0	2.4
BLACK R 2 FARGO	41	0	475
	0.0	0.0	7.3
CLINTON R 2 MT	42	0	763
	0.0	0.0	11.7
MURROW R 2 S MET	44	0	761
	0.0	0.0	12.7
MILL CR 2 AVOCA	45	0	165
	0.0	0.0	2.5
MASIN R MR MON	48	0	1015
	0.0	0.0	15.6
ROUGE R 2 W. JEF	47	0	480
	0.0	0.0	7.4
BLACK R 2 ELY	48	1	410
	0.4	0.4	6.3
ROCKY 2 BERA	51	1	267
	0.2	0.2	4.1
CUYAHOGA 2 IND	52	13	701
	1.0	1.0	10.7
EUCLIO CR	63	0	23
	0.0	0.0	0.4
BIG CR 2 CLVO	84	0	34
	0.0	0.0	0.6
COLUMN TOTAL	68	68	6526
TOTAL	1.0	1.0	100.0

(CONTINUED)

COCURRENCE TABLES

FILE C0C0R3 CREATION DATE = 07/16/791 BUFFALO DIST., CUE LAKE ERIE LAND RESOURCE INFO SYSTEM

***** C R O S S T A B U L A T I O N O F *****
 BASIN SAMPLING STATION BASIN BY KEAC INTRINSIC ERODABILITY ***** PAGE 3 OF 4

	COUNT	MISSING	0.10	0.15	0.17	0.20	0.24	0.28	0.32	0.37	0.43	RGM
	ROW PCT											TOTAL
BASIN	65	0	10	15	17	20	24	28	32	37	43	245
CPAGREN 2 WIL	13.1	32	1	5	1	1	5	3	15	25	156	3.8
		13.1	0.2	1.5	0.6	0.5	2.2	1.1	5.9	10.1	63.5	
GRAND 2 PAIN	66	286	0	1	6	1	11	16	4	190	160	704
		40.6	0.1	0.1	0.9	0.1	1.5	2.2	0.6	27.0	22.8	10.8
ASHTABULA R	65	7	0	0	2	0	4	8	4	65	46	137
		5.0	0.0	0.0	1.2	0.0	3.2	5.5	3.2	47.3	33.4	2.1
CCMNEAUT CR	71	11	0	0	5	1	11	10	15	70	45	189
		5.6	0.0	0.0	2.8	0.5	5.8	5.4	8.2	37.0	23.9	2.9
COLUMN TOTAL	1938	222	85	307	307	276	394	657	354	800	1425	6526
	29.7	3.4	1.3	4.7	4.7	4.2	6.0	10.1	5.4	12.3	21.8	100.0

(CONTINUED)

COOCCURRENCE TABLES

FILE C0003 (CREATION DATE = 02/16/79) BUFFALO DIST. CCE LAKE ERIE LAND RESOURCE INFO SYSTEM
 BASIN SAMPLING STATION BASIN C P J S S T A B U L A T I C N O F INTRINSIC ERODIBILITY
 BY KFAC

PAGE 4 OF 4

	COUNT	KFAC	ROW	TOTAL
	ROW PCT	10.40		
BASIN		49		
CHAGRIN & MIL	65	2	245	
		0.8	3.8	
GRAND & PAIN	66	29	704	
		4.2	10.8	
ASHTABULA R	69	2	137	
		1.2	2.1	
CCMNEAUT CR	71	20	189	
		10.8	2.9	
COLUMN TOTAL		68	6526	
		1.0	100.0	

COOCCURENCE TABLES

FILE C0C0R3 (CREATION DATE = 02/16/79) BUFFALO DIST., C7E LAKE ERIE LAND RESOURCE INFO SYSTEM

CROSS TABULATION OF INTRINSIC PROBABILITY

BASIN SAMPLING STATION BASIN BY KFAC

PAGE 1 OF 2

COUNT		KFAC														ROW TOTAL		
ROW	PCT	MISSING	0.10	0.15	0.17	0.24	0.28	0.32	0.37	0.43	0.49							
BASIN	43	0	10	15	17	24	28	32	37	43	49							
SASHABAW CR & DR	99.5	0.0	0.0	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0							
BLACK PLUM CR	20.3	0.3	0.0	0.0	0.0	0.0	0.8	4.7	20.0	53.9	0.0							
BLACK NEFF CR	6.9	0.0	0.0	0.0	0.0	0.0	0.0	1.1	8.0	84.0	0.0							
CUYAHOGA & OLD	45.4	2.5	0.1	0.1	0.1	2.9	1.5	15.5	22.6	8.6	3							
CUYAHOGA & PENIN	39.7	2.3	0.2	0.1	0.1	14	9	70	101	87	5							
CUYAHOGA & HIRAM	72.2	0.4	0.0	0.0	0.0	0.5	0.9	4.1	12.8	9.0	0.1							
LITTLE CUYAHOGA	52.7	2.9	0.1	0.0	0.0	4.7	0.5	17.8	20.8	0.0	0.5							
MUD CR	5	1	0	0	0	1	0	4	2	15	2							
YELLOW CREEK	10.7	1.3	0.6	0.0	0.0	4.0	2.2	13.1	21.0	46.9	0.2							
FURNACE CR	10.2	0.0	2.9	0.0	0.0	0.4	1.3	2.2	6.1	77.1	0.0							
BRANDYWINE CR	16.4	0.7	0.0	0.0	0.0	1.5	2.4	7.7	15.1	53.6	2.7							
CHIPPEWA CR	18.5	0.0	3.2	0.0	0.0	0.2	0.4	3.4	2.8	71.2	0.2							
COLUMN TOTAL	600	27	4	2	35	21	165	250	268	18	18							
	43.2	1.9	0.3	0.2	2.5	1.5	11.9	18.0	19.3	1.3	1.3							

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(CONTINUED)

COOCCURRENCE TABLES

FILE C00003 (CREATION DATE = 02/16/70) BUFFALO DIST., CDE LAKE ERIE LAND RESOURCE INFO SYSTEM

***** C R O S S T A B U L A T I O N O F *****
 BASIN SAMPLING STATION BASIN BY KFAC INTRINSIC ERODIBILITY ***** PAGE 2 OF 2

		KFAC																			
COUNT	ROW PCT	MISSING	0.10	0.15	0.17	0.24	0.28	0.32	0.37	0.43	0.49	PDM									
												TOTAL									
BASIN		0	1	10	1	15	1	17	1	24	1	28	1	32	1	37	1	43	1	49	1
TINKERS CR	62	27	1	1	0	2	2	5	8	45	7										97
		27.7	1.3	0.8	0.0	1.7	2.0	4.7	7.8	46.9	7.0										7.0
MOSKINS CR	67	5	0	0	0	0	0	0	0	0	0										5
		100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0										0.4
MONTVILLE D	68	5	0	0	0	0	0	0	0	0	0										5
		100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0										0.4
HUBBARD RUN	70	3	0	0	1	2	1	1	3	3	0										15
		18.7	0.0	0.0	7.4	12.5	4.2	9.6	23.1	23.6	1.0										1.1
COLUMN TOTAL		600	27	4	2	35	21	165	250	268	18	1390									1390
		43.2	1.9	0.3	0.2	2.5	1.5	11.9	18.0	19.3	1.3	100.0									100.0

COOCCURRENCE TABLES

FILE PFI (CREATION DATE = 11/07/78) BUFFALO DIST., COE LAKE ERIE LRIES

***** C O U N T Y S T A B U L A T I O N O F *****
 BASIN SAMPLING STATION RASIA BY DRCO DRAINAGE CHARACTERISTICS CODE
 ***** PAGE 1 OF 2 *****

BASIN	COUNT		DRCO		SOMEPOOR		MUD. WELL		SOMEEXCE		EXCESVLY		ROM TOTAL
	COL PCT	EVERYPOOR	POORLY	DRAINED	DRAINED	CRAINED	DRAINED	CRAINED	DRAINED	CRAINED	DRAINED	DRAINED	
	TOT PCT	1.1	2.1	3.1	4.1	5.1	6.1	7.1					
MAUMEE @ WATERVI	1.	2581	99	1748	493	370	4	4					5299
		48.7	1.9	33.0	9.3	7.3	0.1	0.1					52.2
	2.	61.2	26.2	49.4	60.9	46.3	58.0	81.8					
PORTAGE @ WOODV	1.	25.4	1.0	17.2	4.9	3.6	0.3	0.0					
		26.7	1	89	18	11	0	0					386
	2.	69.2	0.3	23.1	4.6	2.8	0.0	0.0					3.8
SANDUSKY @ FRM	1.	6.3	0.3	2.5	1.5	1.4	0.0	0.0					
		2.6	0.0	0.9	0.2	0.1	0.0	0.0					
	3.	192	71	469	128	31	0	0					892
MURON @ MILAN	1.	21.6	7.9	52.6	14.3	3.5	0.0	0.0					8.8
		4.6	18.8	13.3	10.6	3.9	0.0	0.0					
	2.	1.9	0.7	4.6	1.3	0.3	0.0	0.0					
VERMILTON NR VER	1.	63	31	165	63	36	0	0					359
		17.6	8.5	46.0	17.6	10.2	0.1	0.0					3.5
	2.	1.5	0.3	4.7	5.2	4.6	7.2	0.0					
CATARAUGUS @ GO	1.	0.6	0.3	1.6	0.6	0.4	0.0	0.0					210
		22	21	117	31	19	0	0					2.1
	2.	10.3	9.9	55.7	14.9	9.2	0.0	0.0					
DELAWARE NR ANGO	1.	0.5	5.5	3.3	2.6	2.4	0.0	0.0					403
		0.2	0.2	1.2	0.3	0.2	0.0	0.0					4.0
	2.	14	10	138	142	99	0	0					
TOTAL	1.	3.6	2.5	34.2	35.3	24.5	0.0	0.0					6
		0.3	2.6	3.9	11.8	12.3	0.0	0.0					0.1
	2.	0.1	0.1	1.4	1.4	1.3	0.0	0.0					
TOTAL	1.	0	0	3	1	1	0	0					
		1.8	0.0	62.5	19.6	14.3	1.8	0.0					
	2.	0.0	0.0	0.1	0.1	0.1	1.4	0.0					
TOTAL	1.	0.3	0.3	0.0	0.0	0.0	3.0	0.0					
		4216	377	3539	1205	800	7	4					10148
	2.	41.5	3.7	34.0	11.9	7.9	0.1	0.0					100.0

(CONTINUED)

CROCCURRENCE TABLES

FILE MFI (CREATION DATE = 11/07/78) BUFFALO DIST., COE LAKE EPIC LRIS

***** C R O S S T A B U L A T I O N O F *****
 BASIN SAMPLING STATION BASIN BY CRCD DRAINAGE CHARACTERISTICS CODE *****
 ***** PAGE 2 OF 2 *****

CRCD													
COUNT	EVERYPOOR		POORLY		SOMEPOOR		MOD. WELL		WELL		SOMEEXCE DRAINED	EXCESVLY DRAINED	ROW TOTAL
	COL PCT	1.1	2.1	3.1	4.1	5.1	6.1	7.1					
BASIN	TOT PCT	1.1	2.1	3.1	4.1	5.1	6.1	7.1					
19 MILE CR NR B	37.	0	0	11	18	4	0	0					34
		0.6	1.5	32.6	54.0	11.4	0.0	0.0					0.3
		0.0	0.1	0.3	1.5	0.5	0.0	0.0					
		0.0	0.0	0.1	0.2	0.0	0.0	0.0					
RACCOON CR @ W SP	38.	1	0	2	0	1	0	0					3
		18.2	3.0	51.5	6.1	21.2	0.0	0.0					0.0
		0.0	0.0	0.0	0.0	0.1	0.0	0.0					
		0.0	0.0	0.0	0.0	0.0	0.0	0.0					
MILL CR @ ERIE	39.	1	0	4	1	2	0	0					8
		9.9	6.2	50.6	11.1	22.2	0.0	0.0					0.1
		0.0	0.1	0.1	0.1	0.2	0.0	0.0					
		0.0	0.0	0.0	0.0	0.0	0.0	0.0					
DIRECT DRAINAGE	80.	1074	144	792	309	226	2	1					2548
		42.2	5.6	31.1	12.1	8.9	0.1	0.0					25.1
		25.5	38.1	22.4	25.6	28.2	33.3	18.2					
		10.6	1.4	7.8	3.0	2.2	0.0	0.0					
COLUMN TOTAL	4216	377	3539	1205	800	7	4						10148
	41.5	3.7	34.9	11.9	7.9	0.1	0.0						100.0

NUMBER OF MISSING OBSERVATIONS = 1717

CCE LRIS CRCSSTABS UPDATE

FILE MFI (CREATION DATE = 11/10/78) BUFFALO DIST., COE LAKE ERIE LRIS

***** C R O S S T A B U L A T I O N U F *****
 BASIN SAMPLING STATION HASIN BY DRCC DRAINAGE CHARACTERISTICS CODE
 ***** PAGE 1 OF 3 *****

CRCC

COUNT ROW PCT	VERY POOR DRAINED	POORLY DRAINED	SCHEPDR DRAINED	MOD. WELL DRAINED	WELL DRAINED	ROW TOTAL
	1.1	2.1	3.1	4.1	5.1	
BASIN						
4. SANDUSKY @ MEX	121	29	24.5	100	18	514
	23.7	5.7	47.7	19.5	3.5	23.8
5. SANDUSKY @ UP SA	49	14	105	53	10	235
	20.8	6.0	46.5	22.5	4.2	10.9
6. SANDUSKY @ BUC	13	5	40	18	3	80
	16.6	6.6	49.5	22.7	4.1	3.7
7. TYMCHEE @ CRAM	46	2	55	14	1	121
	37.6	1.9	48.2	11.4	0.8	5.6
8. BROKEN SMO @ NEV	11	6	38	15	3	74
	14.7	8.4	51.7	20.4	4.7	3.4
9. WOLF, WEST @ BET	25	8	22	0	2	57
	43.5	13.2	39.2	0.5	3.0	2.7
10. WOLF, EAST @ FT S	7	8	25	0	0	45
	15.7	16.9	65.4	0.9	1.1	2.1
11. MONEY CR @ MO	18	23	113	16	6	176
	10.3	12.8	64.4	8.8	3.6	8.2
12. MONEY CR @ 231	18	22	102	14	5	165
	10.7	13.3	64.2	8.4	3.3	7.6
13. MONEY CR @ MELM	17	20	54	11	4	147
	11.7	13.8	64.4	7.6	2.5	6.8
14. MONEY CR @ UP SIL	16	17	73	9	2	118
	13.9	14.5	62.4	7.3	1.9	5.4
COLUMN TOTAL	394	206	1176	312	72	2161
100.3	9.5	54.4	14.5	3.3		100.0

(CONTINUED)

CDE LRIS CROSSTABS UPDATE

FILE NF1 ICREATION DATE = 11/10/78) BUFFALO DIST., COE LAKE ERIE LRIS

***** C R G S T A B U L A T I O N O F *****
 BASIN SAMPLING STATION BASIN ***** DRAINAGE CHARACTERISTICS CODE *****
 ***** PAGE 2 OF 3 *****

COUNT ROW PCT	IRCO		VERY POOR		POORLY		SCHEPCCR		MUD. WELL		RUN TOTAL
	IRCO	IRCO	IRCO	IRCO	IRCO	IRCO	IRCO	IRCO	IRCO	IRCO	
BASIN	15.	15	13	13	13	13	13	13	13	13	53
MONEY CR UP AIC	16.	16.6	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	4.3
MONEY CR UP ATT	17.	15	11	11	11	11	11	11	11	11	73
MONEY CR & WEIS	18.	20.8	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	3.4
MONEY CR MARSH	19.	5	4	4	4	4	4	4	4	4	25
MONEY CR MR WAYN	20.	20.4	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	1.2
M.C. TRIB BEL MO	21.	6	1	1	1	1	1	1	1	1	13
M.C. TRIB BUCKEY	22.	44.5	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	0.6
M.C. TRIB SILVER	23.	3	2	2	2	2	2	2	2	2	15
M.C. TRIB SILVER	24.	23.3	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	3.7
M.C. TRIB SILVER	25.	0	1	1	1	1	1	1	1	1	5
M.C. TRIB SILVER	26.	2.0	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	0.2
M.C. TRIB SILVER	27.	0	1	1	1	1	1	1	1	1	5
M.C. TRIB SILVER	28.	2.1	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	0.2
M.C. TRIB SILVER	29.	0	3	3	3	3	3	3	3	3	23
M.C. TRIB SILVER	30.	2.2	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	1.1
M.C. TRIB SILVER	31.	0	2	2	2	2	2	2	2	2	15
M.C. TRIB SILVER	32.	2.6	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	0.7
M.C. TRIB SILVER	33.	0	1	1	1	1	1	1	1	1	11
M.C. TRIB SILVER	34.	1.8	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	0.5
M.C. TRIB SILVER	35.	0	4	4	4	4	4	4	4	4	16
M.C. TRIB SILVER	36.	3.2	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	0.7
COLUMN TOTAL	396	206	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	2161
TOTAL	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	100.0

(CONTINUED)

COE LRS CROSSTABS UPDATE

FILE MFI (CREATION DATE = 11/10/78) BUFFALO DIST. COE LAKE ERIE LRS
 BASIN SAMPLING STATION BASIN C P C S T A B U L A T I O N C F DRAINAGE CHARACTERISTICS CODE
 PAGE 3 OF 3

COUNT FROM PCT	VERY POOR		POORLY		SCREPPER MUDWELL		WELL		RUN TOTAL
	DRAINED	POORLY DRAINED	DRAINED	POORLY DRAINED	DRAINED	POORLY DRAINED	DRAINED	POORLY DRAINED	
BASIN	1.1	2.1	3.1	4.1	5.1	6.1	7.1	8.1	19
H.C. TRIB BR KN	7.9	18.3	62.5	7.3	0.0	0.0	0.0	0.0	0.9
H.C. TRIB 3 SCOT	25.8	6.5	51.6	16.1	0.3	0.0	0.0	0.0	3
H.C. TRIB ACRER	30.8	28.2	41.0	0.0	0.0	0.0	0.0	0.0	0.2
ROCK CR EAST	0.9	5.4	84.7	6.3	2.7	0.0	0.0	0.0	11
ROCK CR WEST	1.1	5.0	75.4	14.3	4.3	1.3	1.3	1.3	0.5
MURON TRIB MORN	4.3	0.0	71.7	6.5	17.4	0.2	0.2	0.2	5
CATTARAUGUS S B	2.8	3.3	31.6	44.0	18.3	64	64	64	3.0
COLUMN TOTAL	394	206	1176	312	72	2161	2161	2161	100.0

CHI SQUARE = 357.56274 WITH 112 DEGREES OF FREEDOM SIGNIFICANCE = 0.0000

CRAMER'S V = 0.20340

NUMBER OF MISSING OBSERVATIONS = 477

COOCCURRENCE TABLES

FILE C0C0R3 (CREATION DATE = 02/16/79) BUFFALO DIST., CODE LAKE ERIE LAND RESOURCE INFO SYSTEM

***** C P J S S T A H U L A T I O N O F *****
 BASIN SAMPLING STATION PASTA ***** BY CRCO ***** DRAINAGE CHARACTERISTICS CODE *****
 ***** PAGE 1 OF 2 *****

COUNT ROW PCT	MISSING	VERY POOR			POORLY			SOME POOR			MOD. WELL			SOME EXCE			EXCESSVLY			ROW TOTAL
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
BASIN	40	8	49	0	58	13	23	0	3	154										154
BELLE R @ MEMPH	5.0	32.0	0.0	37.8	8.2	14.7	0.2	2.1		2.4										2.4
41	14	224	3	145	57	21	11	0		475										475
BLACK R @ FARGO	3.0	47.2	0.6	30.5	11.9	4.4	2.4	0.0		7.3										7.3
42	412	111	5	137	23	75	0	0		763										763
CLINTON R @ MT	54.0	14.6	0.7	17.9	3.0	9.8	0.0	0.1		11.7										11.7
44	267	129	2	75	38	251	0	0		761										761
HURON R @ S MET	35.1	17.0	0.3	9.8	4.9	32.9	0.0	0.0		11.7										11.7
45	6	66	1	61	11	19	0	3		165										165
MILL CR @ AVOCA	3.8	38.5	0.6	37.1	6.4	11.8	0.1	1.8		2.5										2.5
46	167	310	2	187	165	179	1	4		1015										1015
RASIN R @ MR MDN	16.5	30.5	0.2	18.4	16.3	17.6	0.1	0.4		15.6										15.6
47	313	39	4	78	19	28	0	0		480										480
ROUGE R @ W. JEF	65.1	0.2	0.8	16.3	3.9	5.7	0.0	0.0		7.4										7.4
48	70	18	28	232	56	7	0	0		410										410
BLACK R @ ELY	17.0	4.4	6.8	56.6	13.6	1.6	0.0	0.0		6.3										6.3
51	56	5	9	115	75	6	0	0		267										267
ROCKY @ BAREA	21.0	1.9	3.2	43.2	28.3	2.4	0.0	0.0		4.1										4.1
52	250	49	21	125	161	95	0	1		701										701
CUYAHOGA @ IND	35.6	7.0	3.0	17.8	23.0	13.5	0.0	0.1		10.7										10.7
63	13	0	0	9	1	1	0	0		23										23
EUCLED CR	54.3	0.0	0.6	37.9	4.5	2.7	0.0	0.0		0.4										0.4
64	28	9	0	6	3	0	0	0		38										38
BIG CR @ CLWD	75.6	0.1	0.6	15.4	7.8	0.5	0.0	0.0		0.6										0.6
COLUMN TOTAL	1938	1049	348	1662	729	749	15	15		6526										6526
TOTAL	29.7	16.1	5.6	25.5	11.2	11.5	0.2	0.2		100.0										100.0

(CONTINUED)

COOCCURRENCE TABLES

FILE C00033 CREATION DATE = 07/16/70) BUFFALO DIST. OFF LAKE ERIE LAND RESOURCE INFO SYSTEM

..... C R O S S T A B U L A T I O N U F
 BY EPCO
 DRAINAGE CHARACTERISTICS CODE
 PAGE 2 OF 2

			DRICO										ROW
COUNT	ROW	PCT	MISSING	VERYPOOR	POORLY	SOMEPOOR	MOD.WELL	WELL	SOMEEXCE	EXCESSVLY	TOTAL		
			0	1	2	3	4	5	6	7			
BASIN	65		32	7	2	125	62	18	1	0	245		
CHAGRIN & WIL			13.1	2.7	0.5	51.0	24.4	7.4	0.5	0.1	3.8		
GRAND & PAIN	66		286	15	172	151	27	11	0	2	704		
			40.6	2.2	24.5	27.1	3.8	1.6	0.0	0.3	10.8		
ASHTABULA R	65		7	9	59	52	5	3	0	1	137		
			5.0	6.9	43.5	38.0	3.6	2.3	0.2	0.6	2.1		
CONNEAUT CR	71		11	20	59	67	17	13	1	1	189		
			5.6	10.4	31.4	35.6	8.9	6.8	0.6	0.6	2.9		
COLUMN TOTAL			1938	1049	368	1662	729	749	15	15	6526		
			29.7	16.1	5.6	25.5	11.2	11.5	0.2	0.2	100.0		

COOCCURRENCE TABLES

FILE C0C0R3 (CREATION DATE = 02/16/75) BUFFALO DIST., COE LAKE ERIF LAND RESOURCE INFO SYSTEM

***** C O S S T A D U L A T I C N O F *****
 BASIN SAMPLING STATION BASIN BY CRCD DRAINAGE CHARACTERISTICS CODE *****
 ***** PAGE 1 OF 2 *****

COUNT ROW PCT	MISSING	VERY POORLY DRAINED			SOME POORLY DRAINED			MOD. WELL DRAINED			SOME EXCESSIVELY DRAINED			FORM TOTAL
		0	1	2	3	4	5	6	7	8	9	10	11	
BASIN	43	24	0	0	0	0	0	0	0	0	0	0	0	24
SASHABAM CR & CR	99.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
BLACK PLUM CR	45	3	1	2	8	0	0	0	0	0	0	0	0	14
	20.3	5.0	14.7	58.9	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
BLACK NEFF CR	50	0	0	0	5	1	0	0	0	0	0	0	0	6
	6.9	0.0	4.0	77.1	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
CUYAHOGA & OLD	53	178	30	11	44	62	66	0	0	0	0	0	0	392
	45.4	7.9	2.9	11.1	15.9	16.8	0.0	0.0	0.1	0.1	0.1	0.1	0.1	28.2
CUYAHOGA & PENIN	54	197	37	16	62	107	78	0	0	0	0	0	0	496
	39.7	7.5	2.8	12.6	21.7	15.7	0.0	0.0	0.1	0.1	0.1	0.1	0.1	35.7
CUYAHOGA & MIRAM	55	108	5	2	15	17	3	0	0	0	0	0	0	150
	72.2	3.1	1.3	10.0	11.4	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.8
LITTLE CUYAHOGA	56	32	5	1	2	6	15	0	0	0	0	0	0	62
	52.7	8.4	1.3	3.5	10.0	24.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4
MUD CR	57	5	4	1	8	10	2	0	0	0	0	0	0	29
	16.1	13.0	5.0	26.1	32.5	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
YELLOW CREEK	58	3	2	0	4	15	6	0	0	0	0	0	0	31
	10.7	4.5	0.5	13.6	49.1	19.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
FURNACE CR	59	2	0	1	5	10	1	0	0	0	0	0	0	20
	10.2	1.8	3.6	27.2	51.7	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
BRANDYWINE CR	60	4	3	1	10	8	1	0	0	0	0	0	0	27
	16.4	9.7	3.6	36.3	29.1	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
CHIPPENAW CR	61	3	0	0	8	5	1	0	0	0	0	0	0	16
	18.5	0.4	2.6	46.6	25.9	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
COLUMN TOTAL	600	93	43	208	265	179	0	0	2	1390	100.0	0.1	0.1	100.0
(CONTINUED)	43.2	6.7	3.1	15.0	19.1	12.9	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1

COOCCURRENCE TABLES

FILE C0003 CREATION DATE = 02/16/79) BUFFER DIST. CODE LAMP ERIE LAND RESOURCE INFO SYSTEM

***** C R O S S T A B L E A T I O N O F *****
 BASIN SAMPLING STATION BASIN ***** DRAINAGE CHARACTERISTICS CODE *****
 ***** PAGE 2 *****

COUNT ROW PCT	MISSING	VERY POOR		POORLY		SOME POOR		MOD. WELL		WELL		SOME EXCESSVLY		ROW	
		DRAINED	POORLY	DRAINED	POORLY	DRAINED	POORLY	DRAINED	POORLY	DRAINED	POORLY	DRAINED	POORLY	TOTAL	TOTAL
		0	1	2	3	4	5	6	7	8	9	10	11	12	13
BASIN	62	27	6	5	33	22	5	0	0	0	0	0	0	97	97
TINKERS CR	27.7	5.9	5.1	33.8	22.3	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	7.0
MCSKINS CR	67	5	0	0	0	0	0	0	0	0	0	0	0	5	5
	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
MONTVILLE D	68	5	0	0	0	0	0	0	0	0	0	0	0	5	5
	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
HUBBARD RUN	70	3	1	4	4	2	0	0	0	0	0	0	0	15	15
	18.7	5.4	27.8	27.5	11.3	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
COLUMN TOTAL	600	93	43	208	265	179	0	0	0	0	0	0	0	1390	1390
	43.2	6.7	3.1	15.0	19.1	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	100.0

CUE LFIS CRUSSTABS UPDATE

FILE MFI LUNATION DATE = 11/10/78 BUFFALO DIST. - LUE LAKE ERIE LRIS
 BASIN SAMPLING STATION UASIN CRUSSTABS LATION UP PERMEABILITY, LUM VALUE IN HUKIZ., IN P MH
 PAGE 1 OF 2

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CCE LRS CROSSSTABS UPDATE

FILE MF1 ILREBILUN DATE = 11/16/78) BUFFALO DIST. CUE LAKE ERIE LRS

..... C K C S T A B U L A T I O N O F PERMEABILITY LUM VALUE IN HORIZ. IN P HR
 BASIN SAMPLING STATION BASIN BY PERM
 PAGE 2 OF 2

		PERM											
		COUNT											
		RQM PCT SURF .01 BELO .01 FELC .20 BELO .60 BELO 2.0 MELO 4.0 RQM											
		CUL PCT TO 0.09 TO 0.09 TO 0.59 TO 1.9 TO 5.9 OR GTR TOTAL											
		1.1	2.1	4.1	5.1	6.1	7.1						
BASIN													
37.		0	13	15	5	1	0						34
18 PILE CR NR B		0.0	38.7	44.5	13.5	2.9	0.0						0.3
		0.0	0.3	0.5	0.4	0.3	0.0						0.0
		0.0	0.1	0.2	0.0	0.0	0.0						0.0
38.		0	2	0	0	0	0						3
RACCON CR B W SP		0.0	75.8	3.0	3.0	3.0	15.2						0.0
		0.0	0.0	0.0	0.0	0.0	0.2						0.0
		0.0	0.0	0.0	0.0	0.0	0.0						0.0
39.		0	2	0	1	0	0						8
MILL CR B ERIE		0.0	19.8	56.8	16.0	1.2	6.2						0.1
		0.0	0.0	0.2	0.1	0.0	0.2						0.0
		0.0	0.0	0.0	0.0	0.0	0.0						0.0
60.		0	1287	718	292	94	141						2533
DIRECT DRAINAGE		0.0	50.8	28.3	11.5	3.7	5.6						25.1
		0.0	25.6	24.2	28.3	32.9	63.2						1.4
		0.0	12.8	1.1	2.9	0.9	1.4						10088
COLUMN TOTAL		564	5018	2562	1033	287	224						100.0
		5.4	49.7	25.4	10.2	2.8	2.2						100.0

CHI SQUARE = 1036.2447 WITH 50 DEGREES OF FREEDOM SIGNIFICANCE = 0.0000
 CRAMER'S V = 0.14333

NUMBER OF MISSING OBSERVATIONS = 1777

CCE LRIS CROSSTABS UPDATE

FILE MFI CREATION DATE = 11/10/788 BUFFALO DIST..CUE LAKE ERIE LRIS

***** C R O S S T A B U L A T I O N U F *****
 BASIN SAMPLING STATION BASIN BY PERM PERMEABILITY, LOM VALUE IN MORI2..IN P HR
 ***** PAGE 1 OF 3 *****

COUNT	ROW PCT	FIRM										TOTAL
		TO 0.09	TO 0.09	TO 0.09	TO 0.09	TO 0.09	TO 0.09	TO 0.09	TO 0.09	TO 0.09	TO 0.09	
		1.1	2.1	4.1	5.1	6.1	7.1	8.1	9.1	10.1	11.1	
BASIN												
4. SANCUSKY @ MEX		16	273	167	50	6	1					513
		3.0	53.3	32.5	9.8	1.1	0.3					23.8
5. SANCUSKY @ UP SA		4	124	77	26	4	0					235
		1.9	52.7	32.5	10.9	1.6	0.1					10.9
6. SANCUSKY @ BUC		0	40	25	9	1	0					80
		0.0	50.3	36.5	11.1	1.8	0.0					3.7
7. TYMOCHTEE @ CRAW		10	60	43	7	0	1					121
		8.5	49.7	35.2	5.8	0.2	0.5					9.6
8. BRCKEN SMO @ NEV		0	42	23	7	1	0					74
		0.0	56.7	31.8	9.6	1.9	0.0					3.4
9. WOLF WEST @ BET		0	49	7	2	1	0					57
		0.0	84.5	11.5	2.8	1.2	0.0					2.7
10. WOLF EAST @ FT S		0	40	2	1	0	0					45
		0.0	88.7	7.5	3.1	0.7	0.0					2.1
11. MONEY CR @ MO		0	132	27	14	2	0					176
		0.0	75.1	15.5	8.0	1.4	0.0					8.1
12. MONEY CR @ 231		0	124	27	12	2	0					165
		0.0	75.2	16.2	7.4	1.3	0.0					7.6
13. MONEY CR @ MELM		0	110	25	10	1	0					146
		0.0	75.4	17.2	6.6	0.9	0.0					6.8
14. MONEY CR @ UP SIL		0	86	22	8	1	0					117
		0.0	73.6	18.5	7.3	0.6	0.0					5.4
COLUMN TOTAL		30	1346	570	185	22	2					2156
		1.4	62.4	26.4	8.6	1.0	0.1					100.0

(CONTINUED)

CCE LRIS CROSSSTABS UPDATE

FILE MFI CREATION DATE = 11/10/78) BUFFALO DIST., COE LAKE ERIE LRIS

..... C R U S T A B U L A T I O N U F
 BASIN SAMPLING STATION BASIN BY PERM PERMEABILITY, LUM VALUE IN HORIZ., IN P HR
 PAGE 2 OF 3

COUNT	PERM	FELC										TOTAL
		TO 0.09	TO 0.09	TO 0.09	TO 0.09	TO 0.09	TO 0.09	TO 0.09	TO 0.09	TO 0.09	TO 0.09	
BASIN		1.1	2.1	4.1	5.1	6.1	7.1	8.1	9.1	10.1	11.1	12.1
15. MONEY CR UP ALC	0.0	64	21	7	0	0	0	0	0	0	0	92
	0.0	69.2	22.4	8.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	4.3
16. MONEY CR UP ATT	0.0	46	20	5	0	0	0	0	0	0	0	72
	0.0	64.3	28.1	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
17. MONEY CR @ WEIS	0.0	13	11	1	0	0	0	0	0	0	0	25
	0.0	50.2	44.3	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
18. MONEY CR MARSH	0.0	5	4	3	0	0	0	0	0	0	0	12
	0.0	44.0	31.2	24.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
19. MONEY CR NR WAYN	0.0	6	7	1	0	0	0	0	0	0	0	15
	0.0	42.5	51.4	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
20. M.C. TRIB BEL MU	0.0	4	0	0	0	0	0	0	0	0	0	5
	0.0	83.7	6.1	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
21. M.C. TRIB BUCKEY	0.0	3	1	0	0	0	0	0	0	0	0	5
	0.0	72.9	20.8	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
22. M.C. TRIB SILVER	0.0	20	2	1	0	0	0	0	0	0	0	23
	0.0	85.7	9.1	3.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	1.1
23. P.C. TRIB SILVER	0.0	13	1	1	0	0	0	0	0	0	0	15
	0.0	85.7	5.7	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
24. M.C. TRIB SILVER	0.0	10	1	0	0	0	0	0	0	0	0	11
	0.0	85.0	12.4	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
25. M.C. TRIB AICH	0.0	15	0	0	0	0	0	0	0	0	0	16
	0.0	98.7	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
COLUMN TOTAL	30	1346	570	185	22	2	2156					
	1.4	62.4	26.4	8.6	1.0	0.1	100.0					

(CONTINUED)

CLE LAIS CRUSTACEANS UPDATE

FILE MFI (CREATION DATE = 11/17/78) BUFFALO DIST., CUL LAKE ERIE LAHS

BASIN SAMPLING STATION BASIN C H L S T A B U L A T I O N U F PERMEABILITY, LOW VALUE IN HORIZ., IN P MR
PAGE 3 OF 3

COUNT	PERM	COUNT										RUN TOTAL
		1 SURF	2 SURF	3 SURF	4 SURF	5 SURF	6 SURF	7 SURF	8 SURF	9 SURF	10 SURF	
ROW PCT	TO 0.09	TO 0.09	TO 0.09	TO 0.09	TO 0.09	TO 0.09	TO 0.09	TO 0.09	TO 0.09	TO 0.09	TO 0.09	TO 0.09
BASIN	1.1	2.1	4.1	5.1	6.1	7.1	8.1	9.1	10.1	11.1	12.1	13.1
26. H.C. TRIB BR KN	0	15	2	1	0	0	0	0	0	0	0	19
	0.0	79.6	17.3	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
27. H.C. TRIB B SCOT	0	1	2	0	0	0	0	0	0	0	0	3
	0.0	48.4	51.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
28. T.C. TRIB ACKER	0	2	2	0	0	0	0	0	0	0	0	4
	0.0	41.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
29. ROCK CR EAST	0	10	0	1	0	0	0	0	0	0	0	11
	0.0	92.8	0.0	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
30. ROCK CR WEST	0	24	1	3	1	1	0	0	0	0	0	28
	0.0	86.1	2.5	9.3	2.1	0.0	0.0	0.0	0.0	0.0	0.0	1.3
32. MURCN TRIB NORM	0	1	2	0	1	0	0	0	0	0	0	5
	0.0	19.6	56.7	8.7	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
35. CATTARAUGUS S B	0	12	35	13	0	0	0	0	0	0	0	64
	0.0	18.4	60.2	20.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	3.0
COLUMN TOTAL	30	1346	570	185	22	2	2156	100.0				
ROW TOTAL	1.4	62.4	26.4	8.6	1.0	0.1	100.0					

CHI SQUARE = 305.31207 WITH 140 DEGREES OF FREEDOM SIGNIFICANCE = 0.0000

CRAMER'S V = 0.16031

NUMBER OF MISSING OBSERVATIONS = 481

CONCURRENCE TABLES

02/21/79 PAGE 352

FILE CUCUR3 (CREATION DATE = 02/16/79) BUFFALO DIST., CCE LAKE ERIE LAND RESOURCE INFO SYSTEM

***** C R O S S T A B U L A T I O N O F P E R M E A B I L I T Y L O W V A L U E I N H O R I Z . I N P H R *****
 BASIN SAMPLING STATION BASIN BY PERM PERMEABILITY LOW VALUE IN HORIZ. IN P H R
 ***** PAGE 1 OF 2 *****

COUNT ROW PCT	PERM	COUNT LESS THAN										MISSING	6.0 OR GTP	2.0 TO 5.9	0.6 TO 1.9	0.2 TO 0.59	COUNT LESS THAN 0.1	TOTAL
		1	2	3	4	5	6	7	8	9	10							
BASIN		0	0	56	49	24	12	5	8									154
BELLE R 3 MEMPH		0.0	36.4	32.0	15.3	8.0	3.4	5.0										2.4
41		0	40	295	77	31	17	14										475
BLACK R 3 FARUC		0.0	8.5	62.2	16.7	6.5	3.6	3.0										7.3
42		3	79	121	52	61	36	412										763
CLINTON R 3 MT		0.4	10.4	15.8	6.8	8.0	4.8	54.0										11.7
44		0	59	221	78	125	11	267										761
MURON R 3 S MET		0.0	7.7	29.1	10.3	16.4	1.4	35.1										11.7
45		0	52	78	11	10	7	6										165
MILL CR 3 AVOCA		0.0	31.6	47.5	6.6	6.2	4.3	3.8										2.5
46		0	412	201	127	100	7	167										1015
RASIN R 3 MR MON		0.0	40.6	19.8	12.6	9.9	0.7	16.5										15.6
47		0	33	56	18	42	18	31.3										480
ROUGE R 3 W. JEF		0.0	6.9	11.7	3.8	8.8	3.7	65.1										7.4
48		0	76	231	32	2	0	70										410
BLACK R 3 ELY		0.0	18.6	56.3	7.7	0.4	0.0	17.0										6.3
51		0	79	108	23	1	0	56										267
ROCKY 3 BAREA		0.0	29.5	40.4	8.6	0.4	0.1	21.0										4.1
52		0	203	139	92	16	1	250										701
CUYAHOGA 3 IND		0.0	28.9	19.9	13.1	2.4	0.1	35.6										10.7
63		0	3	1	6	0	0	13										23
EUCLED CR		0.0	14.8	6.1	24.8	0.0	0.0	54.3										0.4
64		0	4	4	1	0	0	28										38
BIG CR 3 CLVD		0.0	9.9	10.7	3.8	0.0	0.0	75.6										0.6
COLUMN TOTAL		3	1766	1681	613	412	113	1938										6526
TOTAL		0.0	27.1	25.8	9.4	6.3	1.7	29.7										100.0

(CONTINUED)

COCURRENCE TABLES

FILE C0C0R3 (CREATION DATE = 02/16/79) BUFFALO DIST., COE LAKE ERIE LAND RESOURCE INFO SYSTEM

***** C P O S T A H U L A T I C N D F *****
 BASIN SAMPLING STATION BASIN PERMEABILITY LOW VALUE IN HORIZ., IN P HP
 ***** PAGE 2 OF 2 *****

COUNT ROW PCT	PERM											ROW TOTAL
	0.1 SUR	0.1 LCM	0.2 TO 0.59	0.6 TO 1.9	2.0 TO 5.9	6.0 OR GTR	MISSING					
BASIN	1	2	4	5	5	6	7	1	5			
CHAGRIN & WIL	0	96	84	27	11.1	1.9	2	32	245			
	0.0	30.1	36.2	11.1	1.9	0.8	13.1	3.9				
GRAND & PAIN	0	353	34	25	2	5	286	704				
	0.0	50.1	4.9	3.5	0.2	0.7	40.6	10.8				
ASHTABULA R	0	105	16	6	1	1	7	137				
	0.0	77.2	11.4	4.8	0.9	0.8	5.0	2.1				
CONNEAUT CR	0	116	42	13	4	2	11	189				
	0.0	61.4	22.4	7.1	2.2	1.3	5.6	2.9				
COLUMN TOTAL	3	1766	1691	613	412	113	1938	6526				
	0.0	27.1	25.8	9.4	6.3	1.7	29.7	100.0				

COOCCURRENCE TABLES

FILE CUCUR (CREATION DATE = 02/16/76) BUFFALO DIST., COE LAKE EPIE LAND RESOURCE INFO SYSTEM

BASIN SAMPLING STATION BASIN C O S T A B U L A T I O N O F PERMEABILITY, CM VALUE IN HORIZ. IN P MR
PAGE 1 OF 2

COUNT ROW PCT	PERM LESS THAN 0.2 TO 0.1 LOW 0.50	2	4	1.9	5	5.9	6.0 TO CTR	7	9	MISSING	ROW TOTAL
BASIN	43	0	0	0	0	0	0	0	24	24	24
SASHABAW CR & DR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	99.5	1.8	1.8
BLACK PLUM CR	49	0	10	1	0	0	0	0	3	14	14
BLACK NEFF CR	50	1	5	0	0	0	0	0	0	6	6
CUYAHOGA & OLD	53	82	60	62	10	1	178	392	28.2	28.2	28.2
CUYAHOGA & PENIN	54	131	82	73	12	1	197	496	35.7	35.7	35.7
CUYAHOGA & HIRAM	55	24	11	6	1	0	108	150	10.8	10.8	10.8
LITTLE CUYAHOGA	56	6	9	11	2	0	32	62	4.4	4.4	4.4
MUD CR	57	13	8	3	0	0	5	25	2.1	2.1	2.1
YELLOW CREEK	58	17	5	5	1	0	3	31	2.2	2.2	2.2
FURNACE CR	59	11	5	1	0	0	2	20	1.4	1.4	1.4
BRANDYWINE CR	60	11	9	2	0	0	4	27	1.9	1.9	1.9
CHIPPEWA CR	61	6	7	1	0	0	3	18	1.3	1.3	1.3
COLUMN TOTAL	344	262	172	12.4	2.1	0.1	600	1390	100.0	100.0	100.0

(CONTINUED)

COOCCURRENCE TABLES

FILE C0C0R3 (CREATION DATE = 02/16/79) BUFFALO DIST..CDE LAKE ERIE LAND RESOURCE INFO SYSTEM

***** C R O S S T A B U L A T I O N O F P E R M E A B I L I T Y L O W V A L U E I N H O R I Z . I N P M R
BASIN SAMPLING STATION BASIN BY PERM PERMEABILITY LOW VALUE IN HORIZ. IN P M R
***** PAGE 2 OF 2

	PERM										PCW TOTAL
	COUNT PCW PCT	LESS THAN 0.1	0.1 TO 0.59	0.6 TO 1.9	2.0 TO 5.9	6.0 TO 17.4	17.5 TO 29.9	30.0 TO 47.2	47.3 TO 60.0	MISSING	
BASIN	62	34	28	6	2	0	0	0	0	27	97
TINKERS CR	35.6	29.9	6.3	1.6	0.0	0.0	0.0	0.0	0.0	27.7	7.0
HOSKINS CR	67	0	0	0	0	0	0	0	0	5	5
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.4
MONTVILLE D	68	0	0	0	0	0	0	0	0	5	5
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.4
HUBBARD RUN	70	7	2	1	1	1	1	1	1	3	15
	47.2	12.5	6.4	8.1	7.1	18.7					1.1
COLUMN TOTAL	344	242	172	29	2	600	1390				
	24.7	17.4	12.4	2.1	0.1	43.2	100.0				

FILE #F1 (CREATION DATE = 11/07/79) BUFFALO DIST., COF LAKE ERIE LFIS

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FILE      MPI      (CREATION DATE = 11/27/79)  BUFFALO DIST., COT LAKE EPIE (FIS
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BASIN     SAMPLING STATION PASIN          C U S T A B L A T I O N   F
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BY TEXT   TEXTURE OF SURFACE HORIZON
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***** PAGE 1 OF 4 *****
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COUNT		SILT		SILTCLAY		CLAY		SANDCLAY		SILT		VFSANDY		SILT		SANDY		TOTAL	
ROM	PCT	CLAY	1.11	1.21	2.11	2.21	2.31	3.11	3.21	3.31	3.41	4.11	5.11	5.21	5.31	5.41	6.11	6.21	6.31
COL	PCT	CLAY	1.11	1.21	2.11	2.21	2.31	3.11	3.21	3.31	3.41	4.11	5.11	5.21	5.31	5.41	6.11	6.21	6.31
TOT	PCT	CLAY	1.11	1.21	2.11	2.21	2.31	3.11	3.21	3.31	3.41	4.11	5.11	5.21	5.31	5.41	6.11	6.21	6.31
BASIN																			
1.	981	24.0	1259	73	19	797	1389	5	3	225	5299								
MAUNEE & WATERV	18.5	4.5	23.8	1.4	0.4	15.0	26.2	0.1	0.1	6.2	52.2								
	69.8	45.7	66.4	39.9	35.5	65.1	26.7	25.7	27.8	75.3									
	9.7	2.4	12.4	0.7	0.2	7.8	13.7	0.1	0.0	2.2									
PORTAGE & WOODV																			
2.	179	0	41	9	25	44	48	0	0	4	368								
	46.3	0.0	10.5	2.3	6.6	11.3	12.4	0.0	0.0	0.9	3.6								
	12.7	0.0	2.1	4.8	46.3	3.5	1.3	0.5	0.0	1.2									
	1.8	0.0	0.4	0.1	3.2	0.5	0.5	0.0	0.0	0.0									
SANDUSKY & FRM																			
3.	11	6	198	2	0	42	607	2	0	2	892								
	1.3	0.7	22.2	0.2	0.0	4.7	68.0	0.2	0.0	0.3	8.8								
	0.8	1.2	10.5	1.0	0.0	3.4	16.0	9.1	0.0	0.8									
	0.1	0.1	2.0	0.0	0.0	0.4	6.0	0.0	0.0	0.0									
MURON & MILAN																			
31.	0	1	58	0	0	40	235	0	0	2	359								
	0.0	0.4	16.1	0.0	0.0	11.1	65.6	0.0	0.0	0.6	3.5								
	0.0	0.3	3.0	0.0	0.0	3.2	6.2	0.0	0.0	0.7									
	0.0	0.0	0.6	0.0	0.0	0.4	2.3	0.0	0.0	0.0									
VERMILION NR VER																			
33.	0	0	26	0	0	15	165	0	0	0	210								
	0.0	0.0	12.5	0.0	0.0	7.3	78.4	0.0	0.0	0.1	2.1								
	0.0	0.0	1.4	0.0	0.0	1.2	4.4	0.0	0.0	0.1									
	0.0	0.0	0.3	0.0	0.0	0.2	1.6	0.0	0.0	0.0									
CAITABAUGUS & GO																			
34.	0	0	0	0	0	39	352	2	0	5	403								
	0.0	0.0	0.0	0.0	0.0	9.7	87.3	0.5	0.0	1.4	4.0								
	0.0	0.0	0.0	0.0	0.0	3.2	9.3	6.7	0.0	1.8									
	0.0	0.0	0.0	0.0	0.0	0.4	3.5	0.0	0.0	0.1									
DELAWARE NR ANCO																			
36.	0	0	0	0	0	4	4	0	0	0	6								
	0.0	0.0	0.0	0.0	0.0	7.1	71.4	1.8	0.0	0.0	0.1								
	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.5	0.0	0.0									
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0									
COLUMN TOTAL		1404	525	1896	182	55	1244	3786	22	11	298	10148							
		13.8	5.2	16.7	1.8	0.5	12.3	37.3	0.2	0.1	2.9	100.0							

CONTINUED)

COOCCURRENCE TABLES

FILE #F1 CREATION DATE = 11/07/78) BUFFALO DIST., COE LAKE ERIE LRIS

***** CROSS TABULATION OF TEXTURE OF SURFACE HORIZON *****
 BASIN SAMPLING STATION BASIN BY TEXT ***** PAGE 3 OF 4

		TEXT												ROM TOTAL	
COUNT		SILT CLAY		SILT CLAY		SILT CLAY		SAND CLAY		SAND CLAY		SANDY LOAM		SANDY LOAM	
ADM PCT		1-11		1-21		2-11		2-21		3-11		3-21		3-41	
COL PCT		1-11		1-21		2-11		2-21		3-11		3-21		3-41	
TOT PCT		1-11		1-21		2-11		2-21		3-11		3-21		3-41	
BASIN		37.		0		0		0		1		33		0	
18 MILE CP NR B		0.0		0.0		0.0		0.0		1.8		55.6		0.0	
		0.0		0.0		0.0		0.0		0.0		0.0		0.0	
		0.0		0.0		0.0		0.0		0.0		0.0		0.0	
BASIN		30.		0		0		0		0		3		0	
RACON CR 2 M SP		0.0		0.0		0.0		0.0		0.0		21.8		15.2	
		0.0		0.0		0.0		0.0		0.0		0.1		0.0	
		0.0		0.0		0.0		0.0		0.0		0.0		0.0	
BASIN		39.		0		0		0		0		7		0	
MILL CR 2 ERIE		0.0		0.0		0.0		0.0		0.0		27.7		4.9	
		0.0		0.0		0.0		0.0		0.0		0.2		0.1	
		0.0		0.0		0.0		0.0		0.0		0.1		0.0	
BASIN		80.		233		277		314		265		944		12	
DIRECT DRAINAGE		9.2		10.9		12.3		3.9		10.4		27.1		0.5	
		16.6		52.7		16.6		54.2		21.3		24.9		56.6	
		2.3		2.7		3.1		1.0		2.6		9.3		0.1	
TOTAL		1404		525		1896		182		95		3786		22	
TOTAL		13.8		5.2		18.7		1.8		0.5		37.3		0.2	
(CONTINUED)														11	
														298	
														2.9	

BASIN CRYSTALLIZATION OF TEXTURE OF SURFACE MORPHON PAGE 2 OF

(CONT.) MUFED)

COOCCURRENCE TABLES

FILE PFI (CREATION DATE = 11/07/78) BUFFALO DIST. COE LAKE ERIE LRIS

..... C R O S S T A D U L A T I O N U F
 BASIN SAMPLING STATION BASIN BY TEXT TEXTURE OF SURFACE HORIZON
 PAGE 4 OF 4

	TEXT										POM TOTAL
	COUNT	LOAN	SANDY	FINE	LOAMY	LOAMY FINE	MUCK				
	ROW PCT	COL PCT	LOAN	SAND	SAND	SAND	SAND				
	TOT PCT	4.21	5.21	5.41	5.51	6.11					
BASIN	37.	1	0	0	0	0	0				
10 MILE CR NR B	1.8	0.0	0.0	0.0	0.0	0.0	0.0				
	0.2	0.0	0.0	0.0	0.0	0.0	0.0				
	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
RACON CR @ W SP	38.	0	0	0	0	0	0				
	3.0	0.0	0.0	0.0	0.0	0.0	0.0				
	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
MILL CR @ ERIE	39.	0	0	0	0	0	0				
	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
DIRECT DRAINAGE	80.	138	59	17	106	6	6				
	5.4	2.3	2.7	4.2	0.2	0.2	0.2				
	49.3	61.9	45.2	47.2	7.1	7.1	7.1				
	1.4	0.6	0.2	1.0	0.1	0.1	0.1				
COLUMN TOTAL	281	95	37	226	87	10148	100.0				
	2.8	0.9	0.4	2.2	0.9	100.0					

NUMBER OF MISSING OBSERVATIONS = 1717

CCE LRIS CRUSSTABS UPDATE

FILE MFI CREATION DATE = 11/10/781 BUFFALO DIST., CUE LAKE ERLE LRIS

***** C R U S S T A B U L A T I O N U F *****
 BASIN SAMPLING STATION BASIN BY TEXT TEXTURE OF SURFACE HORIZON PAGE 1 OF 3

COUNT	TEXT	CLAY	SILTY CLAY	SILT CLAY	SILT CLAY	LOAM	SILT LOAM	SANDY LOAM	FN SANDY LOAM	LOAMY SAND	LOAM FINE SAND	MUCK	TOTAL
4.	4.	1.1	1.2	1.1	1.1	3.1	3.2	4.1	4.2	5.4	5.5	6.1	516
SANDUSKY @ MEA	1.5	1.1	1.1	1.1	1.1	16	361	2	6	0	0	0.3	23.8
5.	5.	2	1	1	1	7	177	0.1	1.3	0	0	0	235
SANDUSKY @ UP SA	1.0	0.3	0.3	0.3	0.3	3.1	75.2	0.1	1.3	0	0	0.1	10.9
6.	6.	0	0	0	0	1	66	0	1	0	0	0	80
SANDUSKY @ BUC	0.0	0.0	0.0	0.0	0.0	1.3	82.1	0.0	0.8	0	0	0.0	3.7
7.	7.	5	4	4	4	1	68	1	1	0	0	0	121
TYMCHEE @ CRAN	4.4	3.3	3.3	3.3	3.3	0.6	56.4	0.6	0.5	0.0	0.0	0.2	5.6
8.	8.	0	0	0	0	3	60	0	1	0	0	0	74
BROKEN SHD @ MEV	0.0	0.0	0.0	0.0	0.0	3.7	81.5	0.1	1.2	0.0	0.0	0.0	3.4
9.	9.	0	0	0	0	3	24	0	0	0	0	0	37
WOLFMEST @ BET	0.0	0.0	0.0	0.0	0.0	4.9	42.4	0.0	0.2	0.2	0.0	0.0	2.7
10.	10.	0	0	0	0	2	29	0	0	0	0	0	45
WOLFMEST @ FT S	0.0	0.2	0.2	0.2	0.2	4.7	63.4	0.0	0.2	0.0	0.4	0.0	2.1
11.	11.	0	0	0	0	7	134	0	1	0	0	3	176
MONEY CR @ MU	0.0	0.2	0.2	0.2	0.2	4.2	76.2	0.0	0.4	0.0	0.0	1.9	8.2
12.	12.	0	0	0	0	6	126	0	1	0	0	3	165
MONEY CR @ 231	0.0	0.2	0.2	0.2	0.2	3.5	76.3	0.0	0.4	0.0	0.0	2.0	7.6
13.	13.	0	0	0	0	3	112	0	1	0	0	3	147
MONEY CR @ MELM	0.0	0.2	0.2	0.2	0.2	2.2	76.1	0.0	0.5	0.0	0.0	2.2	6.8
14.	14.	0	0	0	0	2	86	0	1	0	0	3	110
MONEY CR @ UP SIL	0.0	0.3	0.3	0.3	0.3	1.8	73.5	0.0	0.5	0.0	0.0	2.7	5.4
COLUMN TOTAL	15	12	12	12	12	57	1580	3	16	0	1	25	2761
TOTAL	0.7	0.6	0.6	0.6	0.6	2.6	73.1	0.2	0.8	0.0	0.0	1.2	100.0

(CONTINUED)

FILE #F1 (CREATION DATE = 11/10/78) BUFFALO DIST., CUE LAKE ENVIE LKMS

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FILE MF1 (CREATION DATE = 11/10/78) BUFFALO DIST., CUE LAKE EMIE LMS
***** C H O S T A B U L A T I O N C F *****
BASIN SAMPLING STATION BASIN BY TEXT TEXTURE OF SURFACE HOMI/CN
***** PAGE 2 OF 3 *****
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COUNT ROW PCT	TEXT CLAY	SILTY CLAY	SILT CLAY	SILTCLAY LOAM	SILT LOAM	SANDY LOAM	FA SANDY LOAM	LOAMY SAND	LOAMFINE SAND	MUCK	ROM TOTAL
15.	BASIN	0	0	20	1	67	0	0	0	3	93
16.	MONEY CR UP AIC	0.0	0.1	22.1	1.3	72.6	0.0	0.0	0.0	3.5	4.3
17.	MONEY CR UP ATT	0.0	0	18	0	50	0	0	0	3	73
18.	MONEY CR UP WETS	0.0	0.0	25.2	0.3	69.6	0.0	0.0	0.0	4.4	3.4
19.	MONEY CR MARSH	0.0	0	27.6	0.4	73.6	0.0	0.0	0.0	0	25
20.	MONEY CR MARSH	0.0	0.0	25.0	0	6	0	0	0	3	1.2
21.	MONEY CR MARSH	0.0	0.0	34.2	0.7	63.7	0.0	0.0	0.0	24.2	13
22.	M.C. TRIB BEL MO	0.0	0	12.2	12.2	75.5	0.0	0.0	0.0	0	0.6
23.	M.C. TRIB BUCKEY	0.0	0	4.2	0.0	95.8	0.0	0.0	0.0	0	15
24.	M.C. TRIB SILVER	0.0	0.4	8.2	2.2	87.9	0.0	0.0	0.0	0.4	0.2
25.	M.C. TRIB SILVER	0.0	0	1	0.6	92.3	0.0	0.0	0.0	0	5
26.	P.C. TRIB SILVER	0.0	0	4.4	3.9	94.7	0.0	0.0	0.0	0	0.2
27.	M.C. TRIB AICH	0.0	0.6	25.6	0.6	73.1	0.0	0.0	0.0	0	23
28.	COLUMN TOTAL	15	12	450	57	1580	3	16	0	25	1.1
29.	ROM TOTAL	0.7	0.6	20.8	2.6	73.1	0.2	0.8	0.0	1.2	100.0

(CONTINUED)

FILE MEI (CREATION DATE = 11/12/78) BUFFALO CIST., COE LAKE ERIE LIPS

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FILE      MFI      (CREATION DATE = 11/10/78)  BUFFALO DIST., COE LAKE ERIE LAIS
*****
R        C R U S T A B U L A T I O N  U F
R        S A M P L I N G  S T A T I O N  B A S I N
R        B Y  T E X T
R        T E X T U R E  C F  S U R F A C E  M U R I Z O N
R        P A G E  3  O F  3

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TEXT	COUNT	CLAY	SILTY CLAY	SILTCLAY LLAM	LOAM	SILTY LUAM	SANDY LOAM	FM SANDY LOAM	LUAMY SAND	LOAMINE SAND	MUCK	ROW TOTAL
BASIN	26.	0.0	0.0	3	0	16	0	0	0	0	0	19
M.C. TRIB BR KN		0.0	0.0	16.8	0.0	82.7	0.0	0.5	0.0	0.0	0.0	0.9
M.C. TRIB S SGT	27.	0.0	0.0	1	0	2	0	0	0	0	0	3
		0.0	0.0	25.8	0.0	74.2	0.0	0.0	0.0	0.0	0.0	0.1
M.C. TRIB ACKER	28.	0.0	0.0	2	0	2	0	0	0	0	0	4
		0.0	0.0	59.0	0.0	41.0	0.0	0.0	0.0	0.0	0.0	0.2
ROCK CR EAST	29.	0.0	0.0	1	0	10	0	0	0	0	0	11
		0.0	0.0	6.2	2.7	91.0	0.0	0.0	0.0	0.0	0.0	0.5
ROCK CR WEST	30.	0.0	0.0	2	2	24	0	0	0	0	0	28
		0.0	0.0	5.7	8.9	85.4	0.0	0.0	0.0	0.0	0.0	1.3
MUPEN TRIB NORM	32.	0.0	0.0	0	0	4	0	0	0	0	0	5
		0.0	0.0	0.0	8.7	80.4	0.0	4.3	0.0	6.5	0.0	0.2
CATTARAUGUS S B	35.	0.0	0.0	0	0	63	0	1	0	0	0	64
		0.0	0.0	0.0	0.0	97.5	0.5	1.6	0.0	0.0	0.5	3.0
COLUMN	15	12	450	57	1580	3	16	0	1	25	2161	2161
			20.6	2.6	73.1	0.2	0.8	0.0	0.0	1.2	100.0	100.0

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CHI SQUARE = 349.75517 WITH 252 DEGREES OF FREEDOM      SIGNIFICANCE = 0.0000
CRAMER'S V = 0.13412
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NUMBER OF MISSING OBSERVATIONS = 477

COCCURRENCE TABLES

FILE COCUM3 CREATION DATE = 02/16/791 BUFFALO DIST., COE LAKE ERIE LAND RESOURCE INFO SYSTEM

***** C R O S S T A B U L A T I O N O F *****
 BASIN SAMPLING STATION BASIN BY TEXTNUM NUMERICAL TEXTURE CODE
 ***** PAGE 1 OF 4

	TEXTNUM										
COUNT ROW PCT	MISSING	CLAY	SILTCLAY LOAM	CLAY LOAM	LOAM	SILTY LOAM	VFSANDY LOAM	SANDY LOAM	F L	ANDY SAND L	ROW TOTAL
BASIN	0	1	11	21	22	31	32	33	41	42	51
40	8	0	0	2	2	76	6	6	24	3	0
BELLE R @ MEMPH	5.0	0.0	0.0	1.2	1.3	49.4	3.6	4.0	15.8	1.8	0.0
41	14	0	0	4	0	292	3	5	37	24	4
BLACK R @ FARGO	3.0	0.0	0.0	0.9	0.1	61.6	0.6	1.1	7.7	5.0	0.9
42	412	3	8	45	45	99	1	1	85	15	16
CLINTON R @ MT	54.0	0.4	1.1	5.8	13.0	13.0	0.1	0.1	11.1	1.9	2.1
44	267	0	6	16	173	4	0	0	94	8	0
MURON R @ S MET	35.1	0.0	0.7	2.1	22.8	0.6	0.0	0.0	12.4	1.0	0.0
45	6	0	0	0	0	95	2	5	26	9	0
MILL CR @ AVOCA	3.8	0.0	0.1	0.1	51.8	1.2	3.1	15.5	5.2	5.2	0.0
46	167	0	130	57	369	26	13	147	21	21	0
RASIN R @ MON	16.5	0.0	12.8	5.6	36.4	2.5	1.3	14.5	2.1	2.1	0.0
47	313	0	5	7	43	12	0	24	13	13	0
ROUGE R @ W. JEF	65.1	0.0	1.1	1.4	9.0	2.4	0.0	4.9	2.7	2.7	0.0
48	70	0	36	0	15	286	0	0	0	0	0
BLACK R @ ELY	17.0	0.0	8.8	0.0	3.8	69.8	0.0	0.1	0.1	0.1	0.0
51	56	0	7	0	9	194	0	1	0	0	0
ROCKY @ BAREA	21.0	0.0	2.7	0.0	3.3	72.6	0.0	0.2	0.0	0.0	0.0
52	250	0	8	0	61	360	0	6	0	0	0
CUYAHOGA @ IND	35.6	0.0	1.2	0.0	8.7	51.4	0.0	0.9	0.0	0.0	0.0
63	13	0	0	0	0	10	0	0	0	0	0
EUCLED CR	54.3	0.0	0.2	0.0	1.2	44.2	0.0	0.0	0.0	0.0	0.0
64	28	0	0	0	0	9	0	0	0	0	0
BIG CR @ CLVD	75.6	0.0	0.6	0.0	1.0	22.9	0.0	0.0	0.0	0.0	0.0
COLUMN TOTAL	1038	3	215	127	1246	1790	31	454	101	101	20
TOTAL	29.7	0.0	3.3	1.9	19.1	27.4	0.5	7.0	1.5	1.5	0.3
6526											
100.0											

(CONTINUED)

COOCCURRENCE TABLES

FILE C00003 (CREATION DATE = 02/16/79) BUFFALO DIST., COE LAKE ERIE LAND RESOURCE INFO SYSTEM

BASIN SAMPLING STATION BASIN CROSS TABULATION OF TEXTNUM NUMERICAL TEXTURE CODE
 BY TEXTNUM

PAGE 2 OF 4

	COUNT ROM PCT	TEXTNUM					LOAM SAND	LOAM FINE SAND	PUCK	ROM TOTAL
		IFINE SAND	LOAM SAND	LOAM FINE SAND	PUCK	ROM TOTAL				
BASIN		52	54	55	61					
BELLE R 2 MEMPH	40	0	15	0	12	154				
		0.2	9.9	0.1	7.8	2.4				
BLACK R 2 FARGC	41	0	46	0	45	475				
		0.0	9.6	0.0	9.5	7.3				
CLINTON R 2 MT	42	35	26	9	9	763				
		4.6	3.4	1.2	1.2	11.7				
HURON R 2 S MET	44	5	105	5	78	761				
		0.7	13.7	0.6	10.2	11.7				
MILL CR 2 AVOCA	45	1	14	0	16	165				
		0.7	8.8	0.0	9.8	2.5				
RASIN R NR MON	46	6	37	1	41	1015				
		0.6	3.6	0.1	4.0	15.6				
RCUGE R 2 W JEF	47	3	40	19	2	480				
		0.6	8.4	4.0	0.3	7.4				
BLACK R 2 ELY	48	0	0	1	1	410				
		0.0	0.0	0.2	0.2	6.3				
RECKY 2 BERE	51	0	0	0	1	267				
		0.0	0.1	0.0	0.2	4.1				
CUYAHOGA 2 IND	52	0	1	0	15	701				
		0.0	0.1	0.0	2.0	10.7				
EUCID CR	63	0	0	0	0	23				
		0.0	0.0	0.0	0.0	0.4				
BIG CR 2 CLVD	64	0	0	0	0	38				
		0.0	0.0	0.0	0.0	0.6				
COLUMN TOTAL		51	288	41	219	6526				
		0.8	4.4	0.6	3.4	100.0				

(CONTINUED)

COOCCURRENCE TABLES
 FILE C0C0R3 (CREATION DATE = 02/16/79) BUFFALO DIST., COE LAKE FRIE LAND RESOURCE INFO SYSTEM
 C R O S T A B U L A T I O N F
 BY TEXTNUM NUMERICAL TEXTURE CODE
 BASIN SAMPLING STATION BASIN
 PAGE 3 OF 4

COUNT ROW	PCT MISSING	TEXTNUM										ROM	
		CLAY	SILTCLAY	CLAY	LOAM	SILTY	VFSANDY	SANDY	FN SANDY	SAND	TOTAL	LOAM	SAND
		11	21	22	31	32	33	41	42	51			
BASIN	65	0	2	0	10	195	0	4	0	0	245		
CHAGRIN @ WIL	13.1	0.0	1.0	0.0	4.1	79.6	0.0	1.6	0.0	0.0	3.8		
GRAND @ PAIN	66	0	6	0	4	396	0	3	4	0	704		
	40.6	0.0	0.9	0.0	0.6	56.2	0.0	0.4	0.5	0.0	10.8		
ASHTABULA R	69	0	0	0	2	124	0	1	1	0	137		
	5.0	0.0	0.1	0.0	1.3	91.1	0.0	0.6	0.9	0.0	2.1		
CCNEAUT CR	71	0	0	0	4	163	0	3	4	0	189		
	5.6	0.0	0.0	0.0	2.2	86.4	0.0	1.5	2.3	0.0	2.9		
COLUMN TOTAL	1938	3	215	127	1246	1790	31	454	101	20	6526		
	29.7	0.0	3.3	1.9	19.1	27.4	0.5	7.0	1.5	0.3	100.0		

(CONTINUED)

COOCCURRENCE TABLES

FILE C00UP3 CREATION DATE = 22/16/79) BUFFALO DIST..CDE LAKE ERIE LAND RESOURCE INFO SYSTEM

***** C R O S S T A B U L A T I O N O F *****
 BASIN SAMPLING STATION BASIN BY TEXTNUM NUMERICAL TEXTURE CODE ***** PAGE 4 OF 4

		TEXTNUM						
COUNT ROW PCT	IFINE ISAND	LOAMY SAND		LOAMFINE SAND		MUCK	ROW TOTAL	
		54	55	56	57			
BASIN	52	1	1	1	1	61	1	
CHAGRIN @ WIL	65	0	1	1	1	1	245	
		0.0	0.3	0.2	0.2	0.2	3.8	
GRAND @ PAIR	66	0	4	1	1	0	704	
		0.0	0.5	0.1	0.1	0.1	10.8	
ASHTABULA R	69	0	0	2	0	0	137	
		0.0	0.0	1.2	0.0	0.0	2.1	
CCNEAUT CR	71	0	0	4	0	0	189	
		0.0	0.0	2.0	0.0	0.0	2.9	
COLUMN TOTAL	51	288	41	219	3.4	6526	100.0	
	0.8	4.4	0.6	3.4				

COOCCURENCE TABLES

FILE COCUR3 ICREATION DATE = 02/16/79) BUFFALO DIST., CODE LAKE ERIE LAND RESOURCE INFO SYSTEM

***** C R O S S T A B U L A T I O N O F *****
 BASIN SAMPLING STATION BASIN BY TEXTNUM NUMERICAL TEXTURE CODE *****
 ***** PAGE 1 OF 2 *****

COUNT		TEXTNUM											ROW TOTAL	
ROW	PCT	MISSING	SILTCLAY LOAM	SILTY LOAM	SANDY LOAM	FN SANDY LOAM	LOAMFNE SAND	LOAMFNE MUCK					POM TOTAL	
			LOAM	LOAM	LOAM	LOAM	SAND	SAND						

COOCCURRENCE TABLES

FILE C0C0R3 (CREATION DATE = 02/16/79) BUFFALO DIST., CODE LAKE ERIE LAND RESOURCE INFO SYSTEM

***** C R D S T A B U L A T I O N O F *****
 BASIN SAMPLING STATION BASIN BY TEXTNUM NUMERICAL TEXTURE CODE *****
 ***** PAGE 2 OF 2 *****

COUNT ROW PCT	MISSING	TEXTNUM										RDW TOTAL
		SILT LOAM	CLAY LOAM	SANDY LOAM	SANDY LOAM	FN LOAM	SANDY LOAM	LOAM SAND	LOAM SAND	LOAM SAND	MUCK	
BASIN	0	21	31	32	41	42	54	55	61	61	1	
62	27	3	4	60	1	0	0	0	0	1	1	97
TINKERS CR	27.7	3.6	3.9	62.2	1.3	0.0	0.0	0.0	0.0	1.3	1.3	7.0
67	5	0	0	0	0	0	0	0	0	0	0	5
WOSKINS CR	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
68	5	0	0	0	0	0	0	0	0	0	0	5
MONTVILLE D	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
70	3	0	1	8	1	1	0	1	1	0	1	15
HUBBARD RUN	18.7	0.0	6.7	53.8	5.2	8.1	0.0	9.6	0.0	0.0	0.0	1.1
COLUMN TOTAL	600	15	122	611	11	1	1	1	1	27	1390	
43.2	43.2	1.1	8.8	44.0	0.8	0.1	0.1	0.1	0.1	1.9	100.0	

References

1. Cahill, T. H., "Lake Erie Land Resources Information System," LEWMS Technical Report, U. S. Army Corps of Engineers, Buffalo, New York, February 1978.

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