FIGURES

FIGURE #1

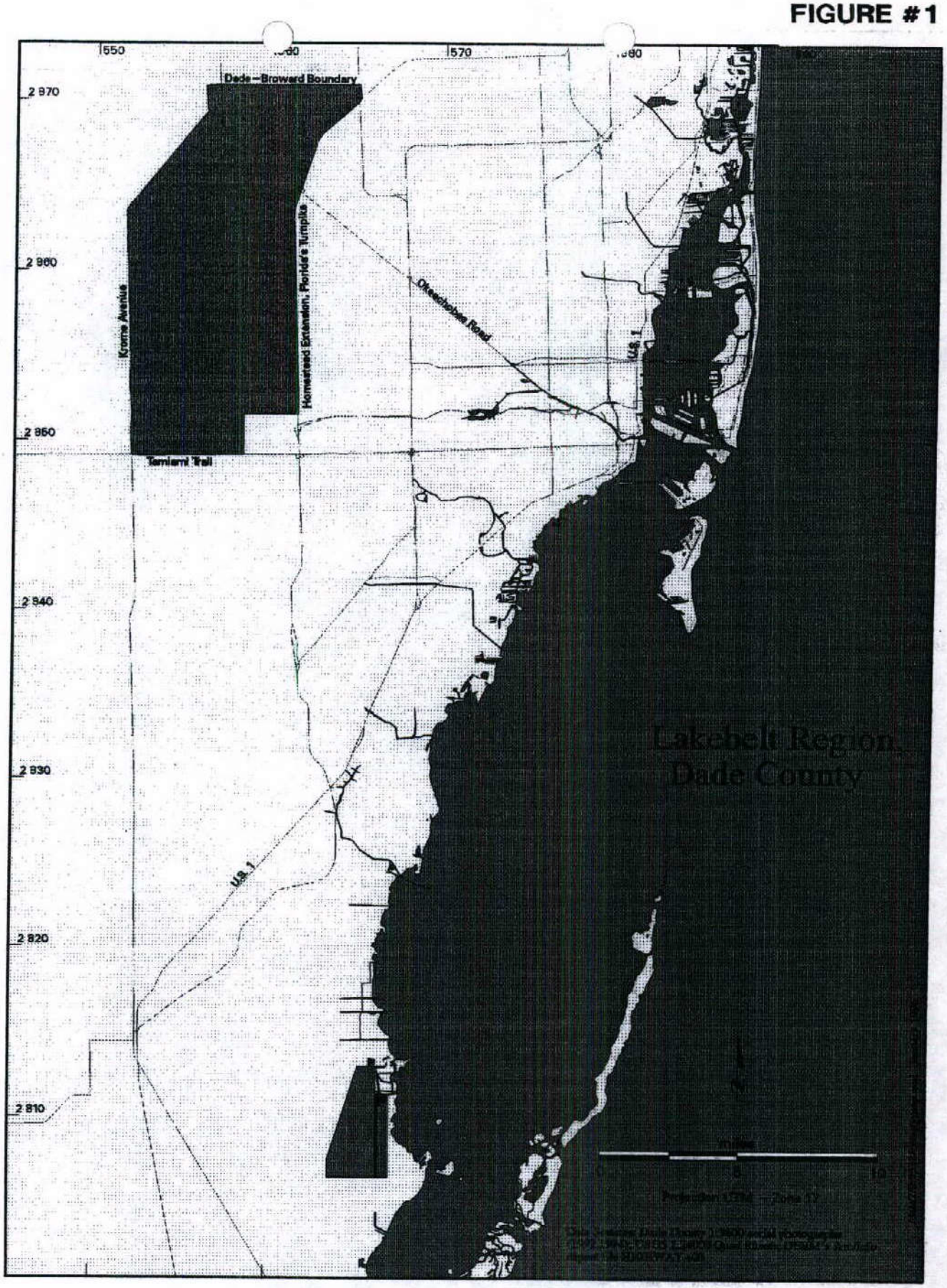
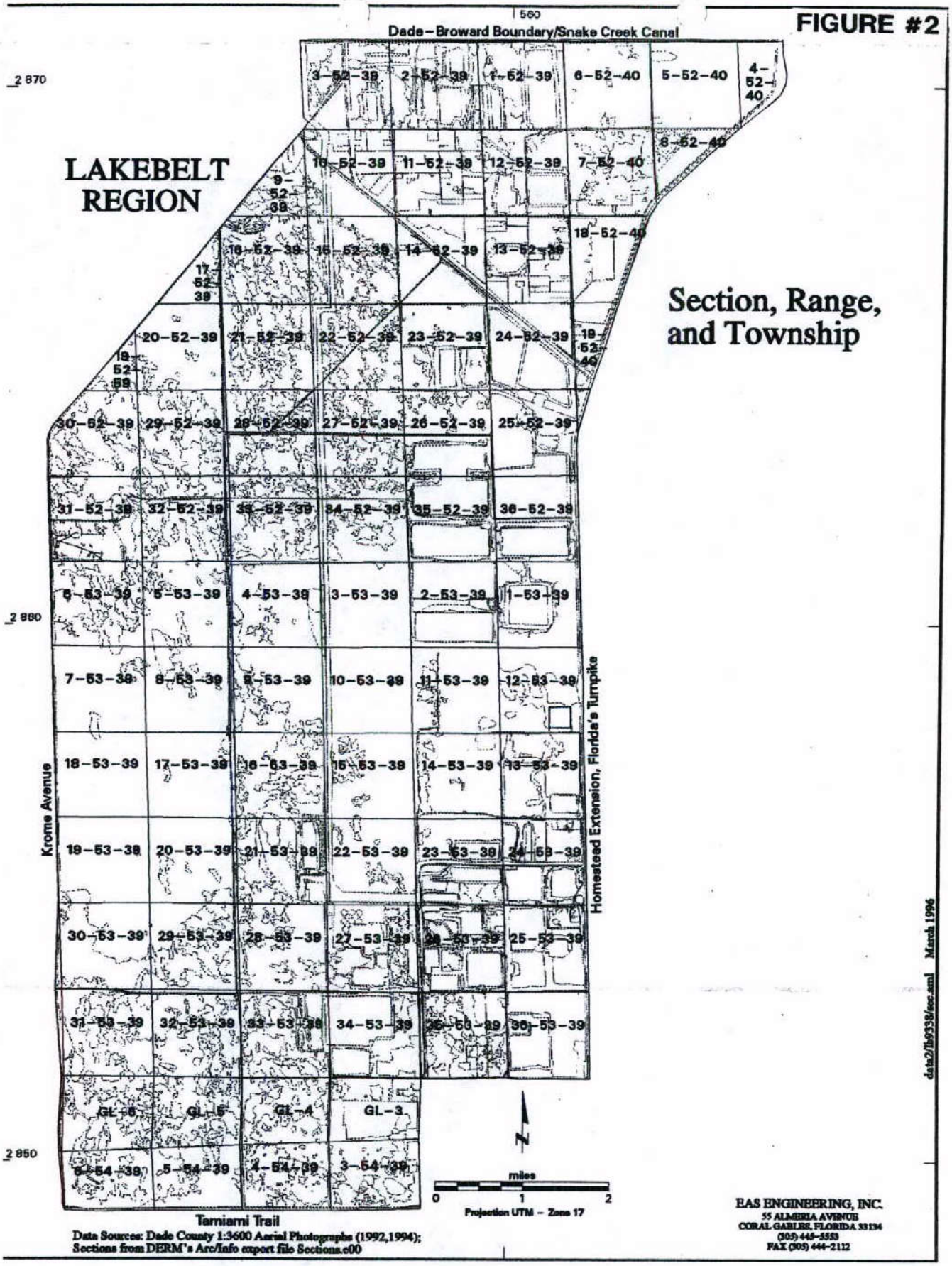

550
570
2 970
2 960
2 950
2 940
2 930
2 920
2 910
Dade–Broward Boundary
Krome Avenue
Homestead Extension, Florida's Turnpike
Okeechobee Road
U.S. 1
Tamiami Trail
U.S. 1
Lakebelt Region
Dade County

FIGURE #2


LAKEBELT REGION
Section, Range, and Township
560
Dade–Broward Boundary/Snake Creek Canal
2 870
2 860
2 850
3-52-39
2-52-39
1-52-39
6-52-40
5-52-40
4-52-40
10-52-39
11-52-39
12-52-39
7-52-40
8-52-40
9-52-39
18-52-40
16-52-39
15-52-39
14-52-39
13-52-39
17-52-39
20-52-39
21-52-39
22-52-39
23-52-39
24-52-39
19-52-40
19-52-39
30-52-39
29-52-39
28-52-39
27-52-39
26-52-39
25-52-39
31-52-39
32-52-39
33-52-39
34-52-39
35-52-39
36-52-39
6-53-39
5-53-39
4-53-39
3-53-39
2-53-39
1-53-39
7-53-39
8-53-39
9-53-39
10-53-39
11-53-39
12-53-39
18-53-39
17-53-39
16-53-39
15-53-39
14-53-39
13-53-39
19-53-39
20-53-39
21-53-39
22-53-39
23-53-39
24-53-39
30-53-39
29-53-39
28-53-39
27-53-39
26-53-39
25-53-39
31-53-39
32-53-39
33-53-39
34-53-39
35-53-39
36-53-39
GL-6
GL-5
GL-4
GL-3
6-54-39
5-54-39
4-54-39
3-54-39
Krome Avenue
Homestead Extension, Florida's Turnpike
Tamiami Trail
N
miles
0
1
2
Projection UTM – Zone 17
EAS ENGINEERING, INC.
55 ALMERIA AVENUE
CORAL GABLES, FLORIDA 33134
(305) 445-5553
FAX (305) 444-2112
March 1996
Data Sources: Dade County 1:3600 Aerial Photographs (1992,1994);
Sections from DERM's Arc/Info export file Sections.e00

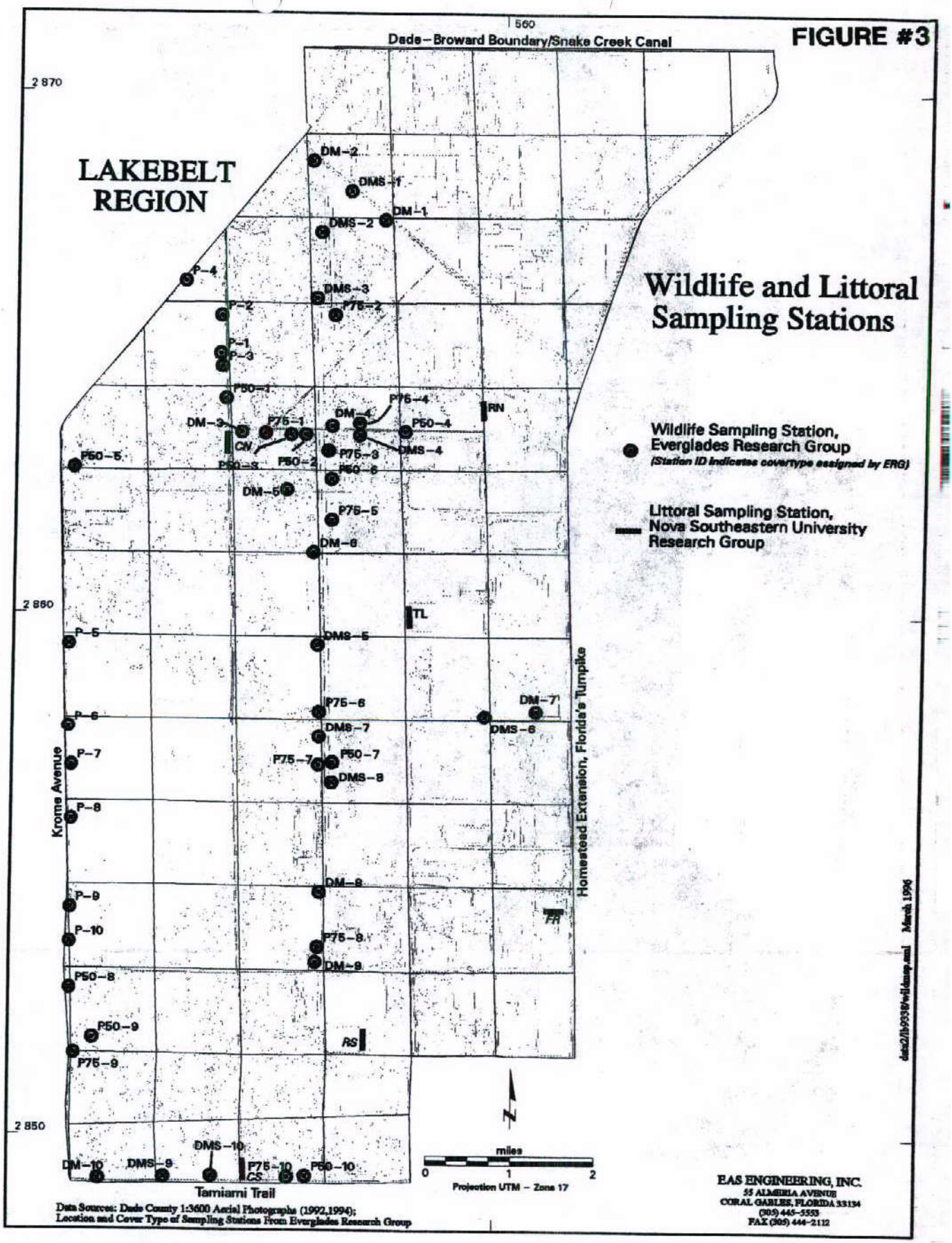


FIGURE #3
Wildlife and Littoral Sampling Stations
LAKEBELT REGION
Dade-Broward Boundary/Snake Creek Canal
560
2 870
2 860
2 850
Wildlife Sampling Station, Everglades Research Group
(Station ID indicates covertype assigned by ERG)
Littoral Sampling Station, Nova Southeastern University Research Group
Krome Avenue
Homestead Extension, Florida's Turnpike
Tamiami Trail
DM-2
DMS-1
DM-1
DMS-2
P-4
DMS-3
P75-2
P-2
P-1
P-3
P50-1
P75-4
RN
DM-3
P75-1
DM-4
P50-4
CN
P50-3
P50-2
P75-3
DMS-4
P50-5
P50-6
DM-5
P75-5
DM-6
TL
P-5
DMS-5
P75-6
DM-7
P-6
DMS-7
DMS-6
P-7
P75-7
P50-7
DMS-8
P-8
DM-8
P-9
FR
P-10
P75-8
DM-9
P50-8
P50-9
RS
P75-9
DMS-10
DM-10
DMS-9
P75-10
CS
P50-10
miles
0
1
2
Projection UTM - Zone 17
Data Sources: Dade County 1:3600 Aerial Photographs (1992,1994);
Location and Cover Type of Sampling Stations From Everglades Research Group
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CORAL GABLES, FLORIDA 33134
(305) 445-5553
FAX (305) 444-2112
March 1996

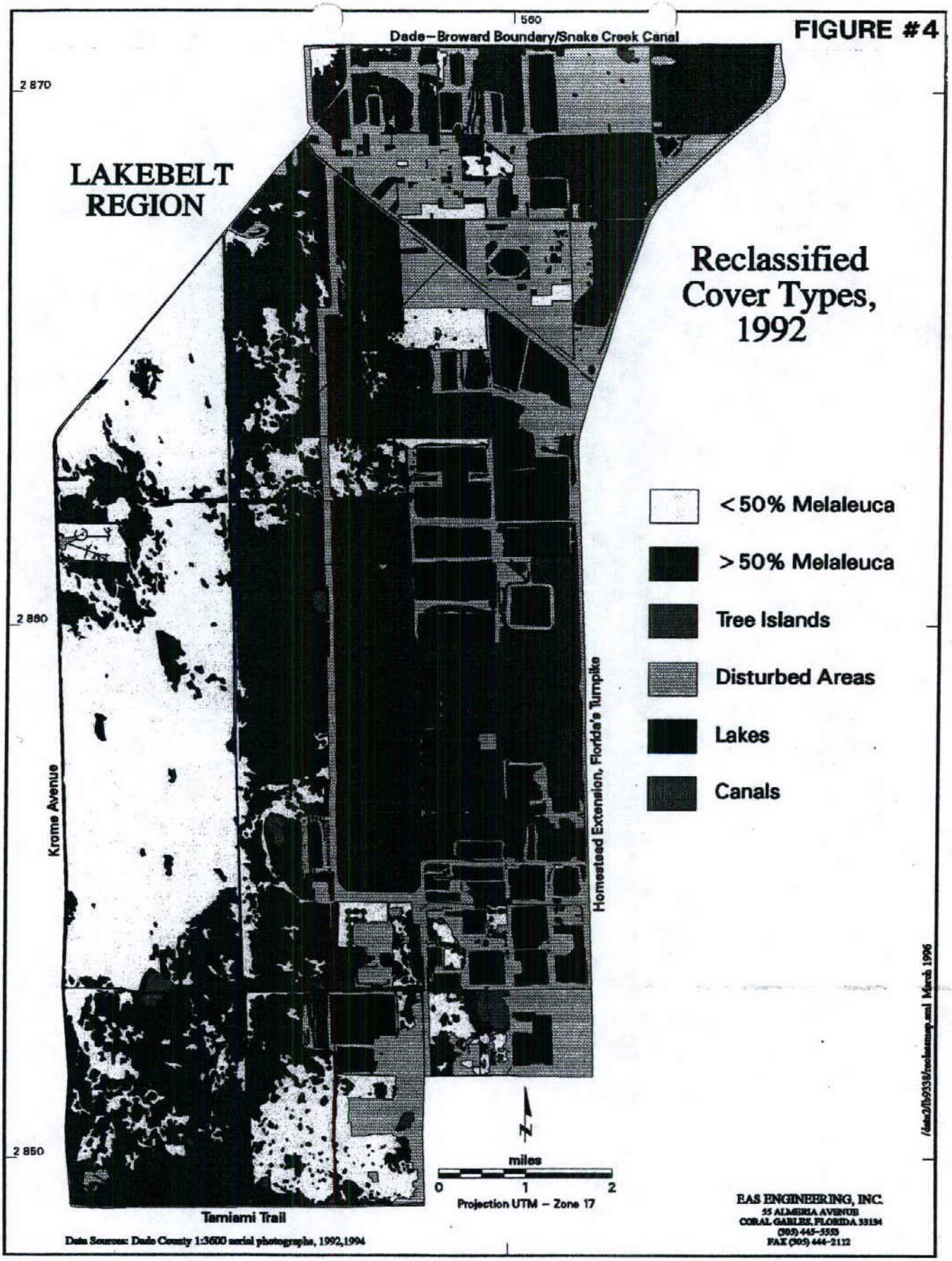
FIGURE #4
560
Dade–Broward Boundary/Snake Creek Canal
2 870
2 860
2 850
LAKEBELT REGION
Reclassified Cover Types, 1992
< 50% Melaleuca
> 50% Melaleuca
Tree Islands
Disturbed Areas
Lakes
Canals
Krome Avenue
Homestead Extension, Florida's Turnpike
Tamiami Trail
N
miles
0
1
2
Projection UTM – Zone 17
Data Sources: Dade County 1:3600 aerial photographs, 1992,1994
EAS ENGINEERING, INC.
55 ALMERIA AVENUE
CORAL GABLES, FLORIDA 33134
(305) 445-3553
FAX (305) 444-2112
March 1996

Cover Types, 1992, with Melaleuca Classified at 50% and 75% Levels

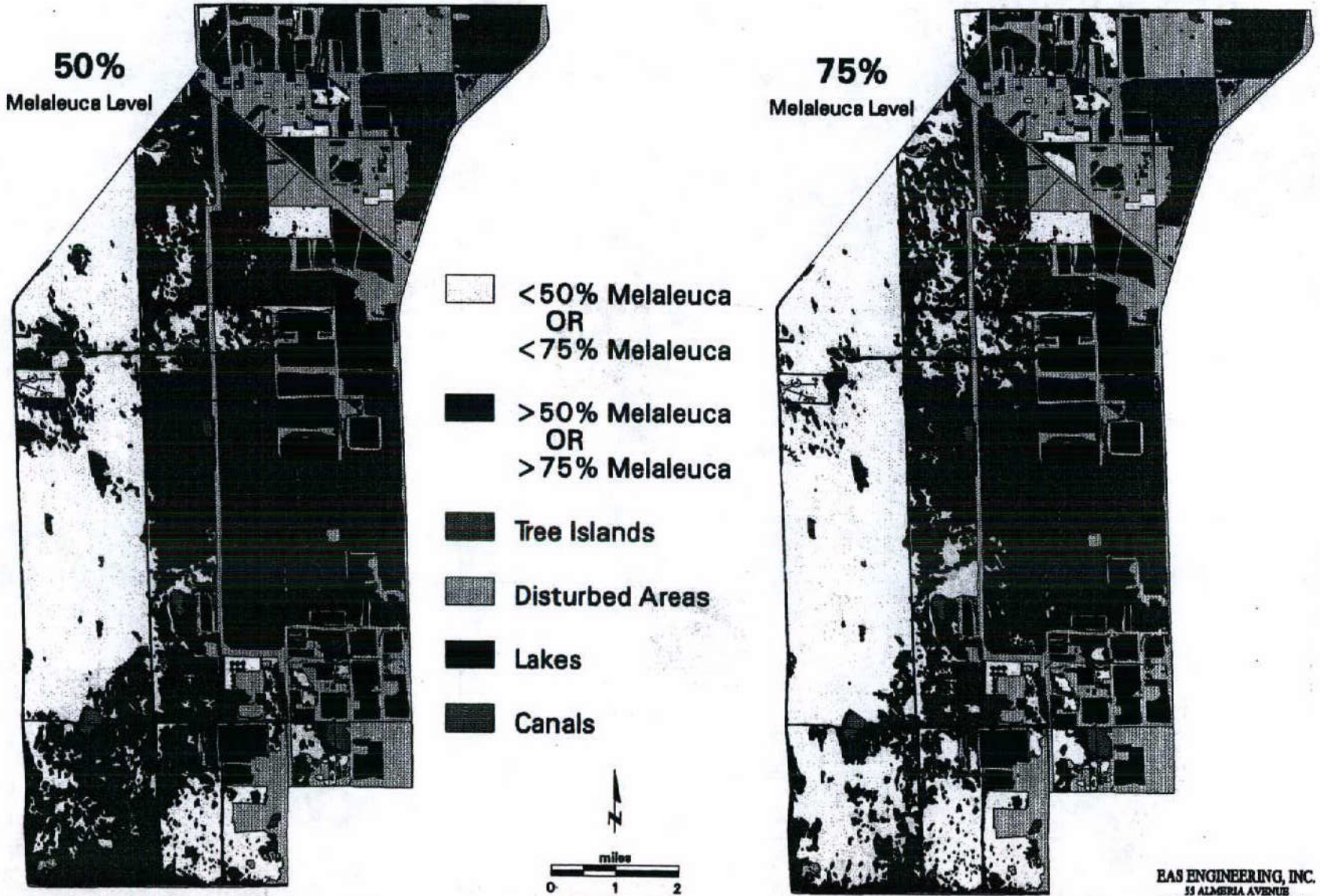

FIGURE #5

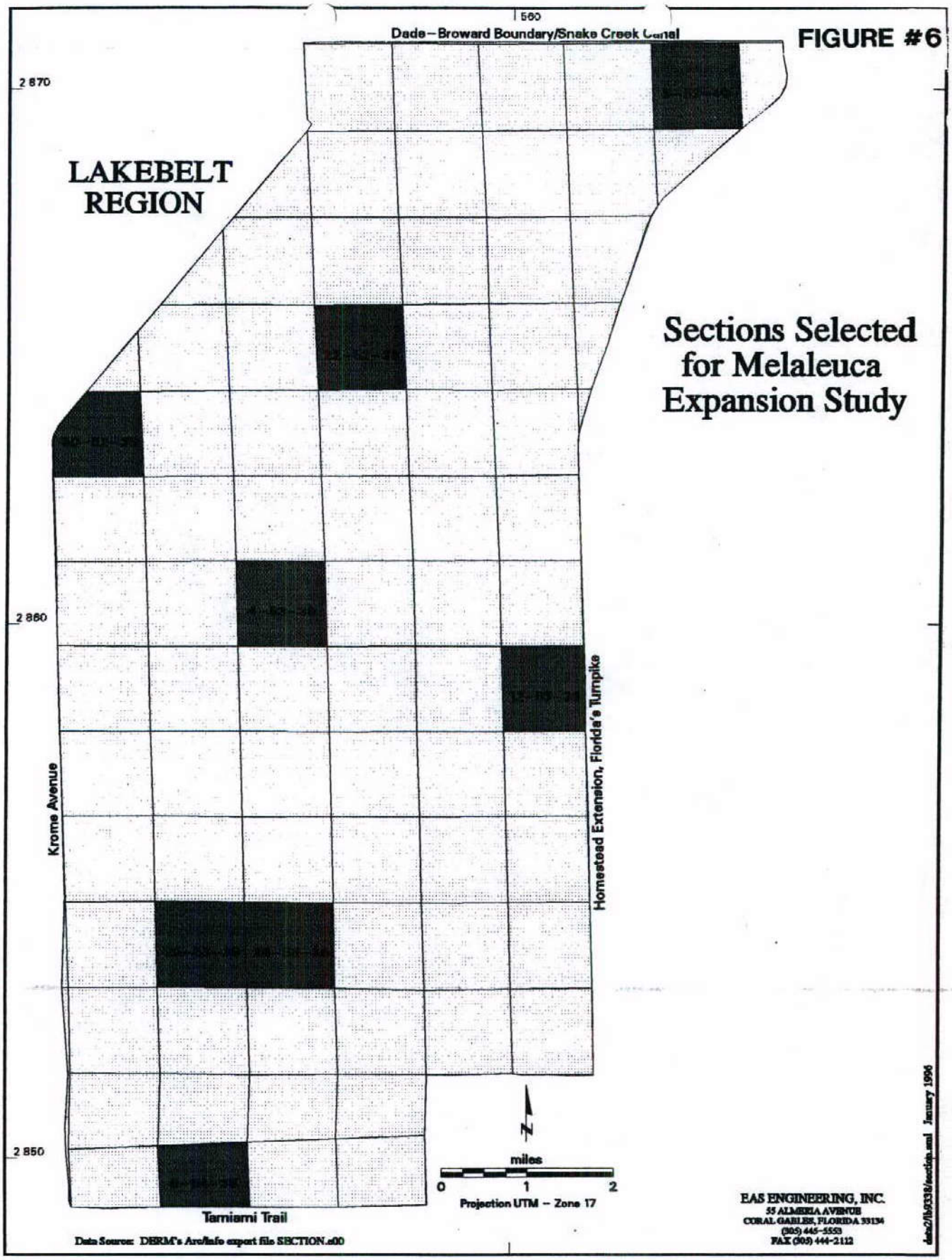
FIGURE #6
LAKEBELT REGION
Sections Selected for Melaleuca Expansion Study
560
Dade–Broward Boundary/Snake Creek Canal
2 870
2 860
2 850
Krome Avenue
Homestead Extension, Florida's Turnpike
Tamiami Trail
N
miles
0
1
2
Projection UTM – Zone 17
Data Source: DERM's Arc/Info export file SECTION.a00
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(305) 445-5553
FAX (305) 444-2112
January 1996

DOC#614

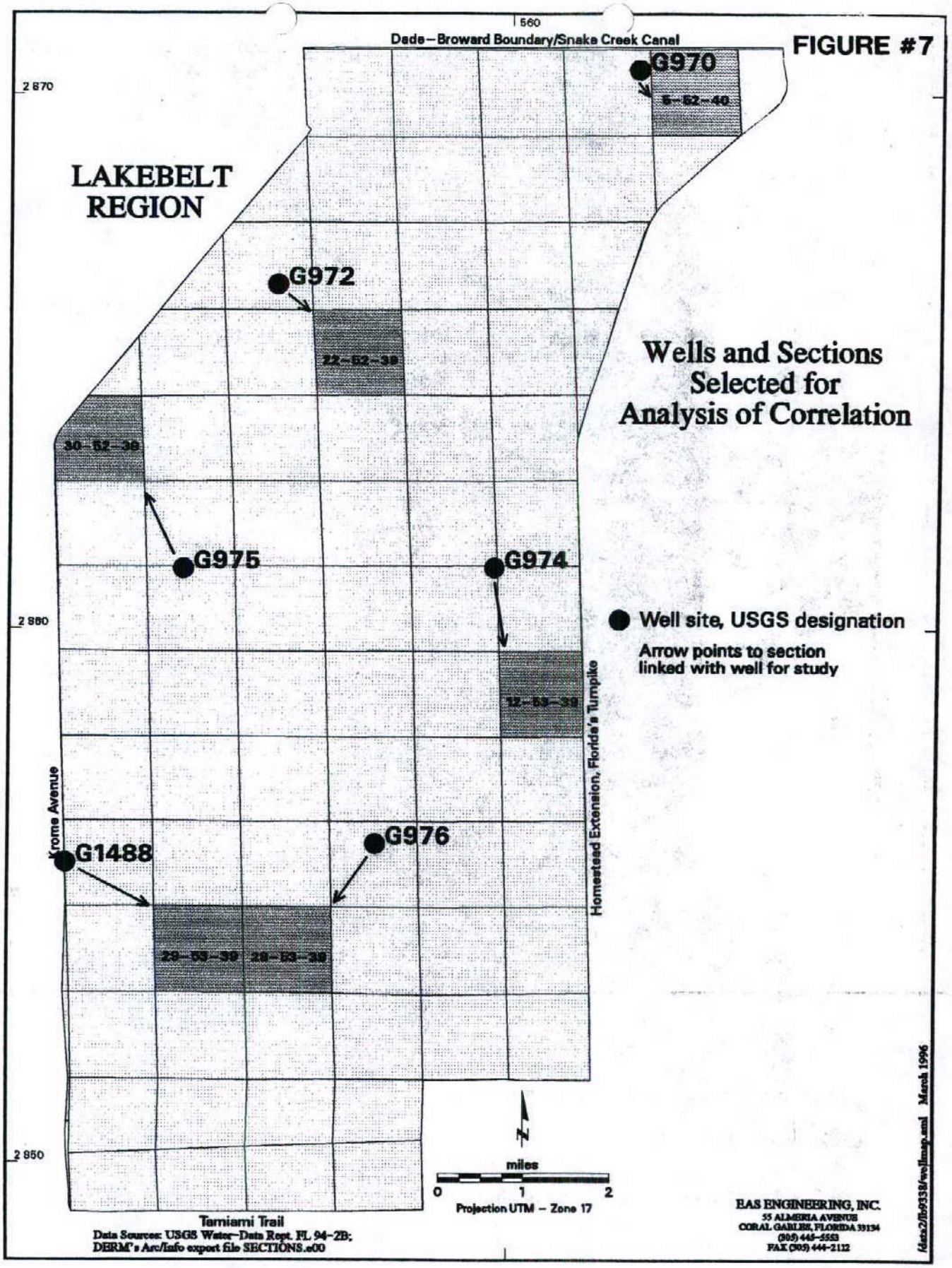
FIGURE #7
560
Dade–Broward Boundary/Snake Creek Canal
2 870
2 860
2 850
LAKEBELT REGION
G970
5–52–40
G972
22–52–39
30–52–39
G975
G974
12–52–39
G976
G1488
29–52–39
29–52–39
Krome Avenue
Homestead Extension, Florida's Turnpike
Tamiami Trail
Wells and Sections Selected for Analysis of Correlation
Well site, USGS designation
Arrow points to section linked with well for study
N
miles
0
1
2
Projection UTM – Zone 17
Data Sources: USGS Water–Data Rept. FL 94–2B;
DERM's Arc/Info export file SECTIONS.e00
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CORAL GABLES, FLORIDA 33134
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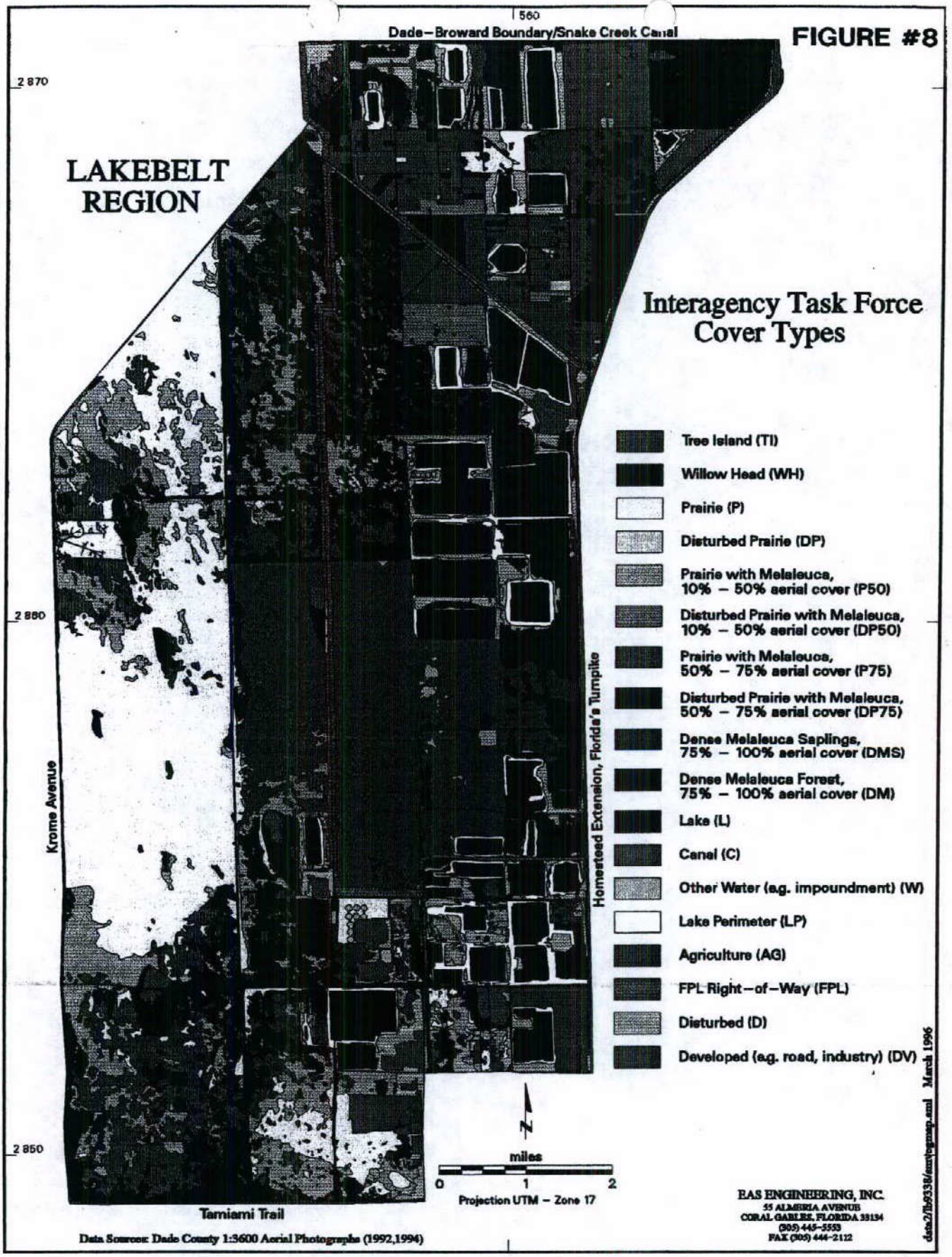
FIGURE #8
LAKEBELT REGION
Interagency Task Force Cover Types
560
Dade–Broward Boundary/Snake Creek Canal
2 870
2 860
2 850
Krome Avenue
Homestead Extension, Florida's Turnpike
Tamiami Trail
Tree Island (TI)
Willow Head (WH)
Prairie (P)
Disturbed Prairie (DP)
Prairie with Melaleuca, 10% – 50% aerial cover (P50)
Disturbed Prairie with Melaleuca, 10% – 50% aerial cover (DP50)
Prairie with Melaleuca, 50% – 75% aerial cover (P75)
Disturbed Prairie with Melaleuca, 50% – 75% aerial cover (DP75)
Dense Melaleuca Saplings, 75% – 100% aerial cover (DMS)
Dense Melaleuca Forest, 75% – 100% aerial cover (DM)
Lake (L)
Canal (C)
Other Water (e.g. impoundment) (W)
Lake Perimeter (LP)
Agriculture (AG)
FPL Right–of–Way (FPL)
Disturbed (D)
Developed (e.g. road, industry) (DV)
N
miles
0 1 2
Projection UTM – Zone 17
Data Source: Dade County 1:3600 Aerial Photographs (1992,1994)
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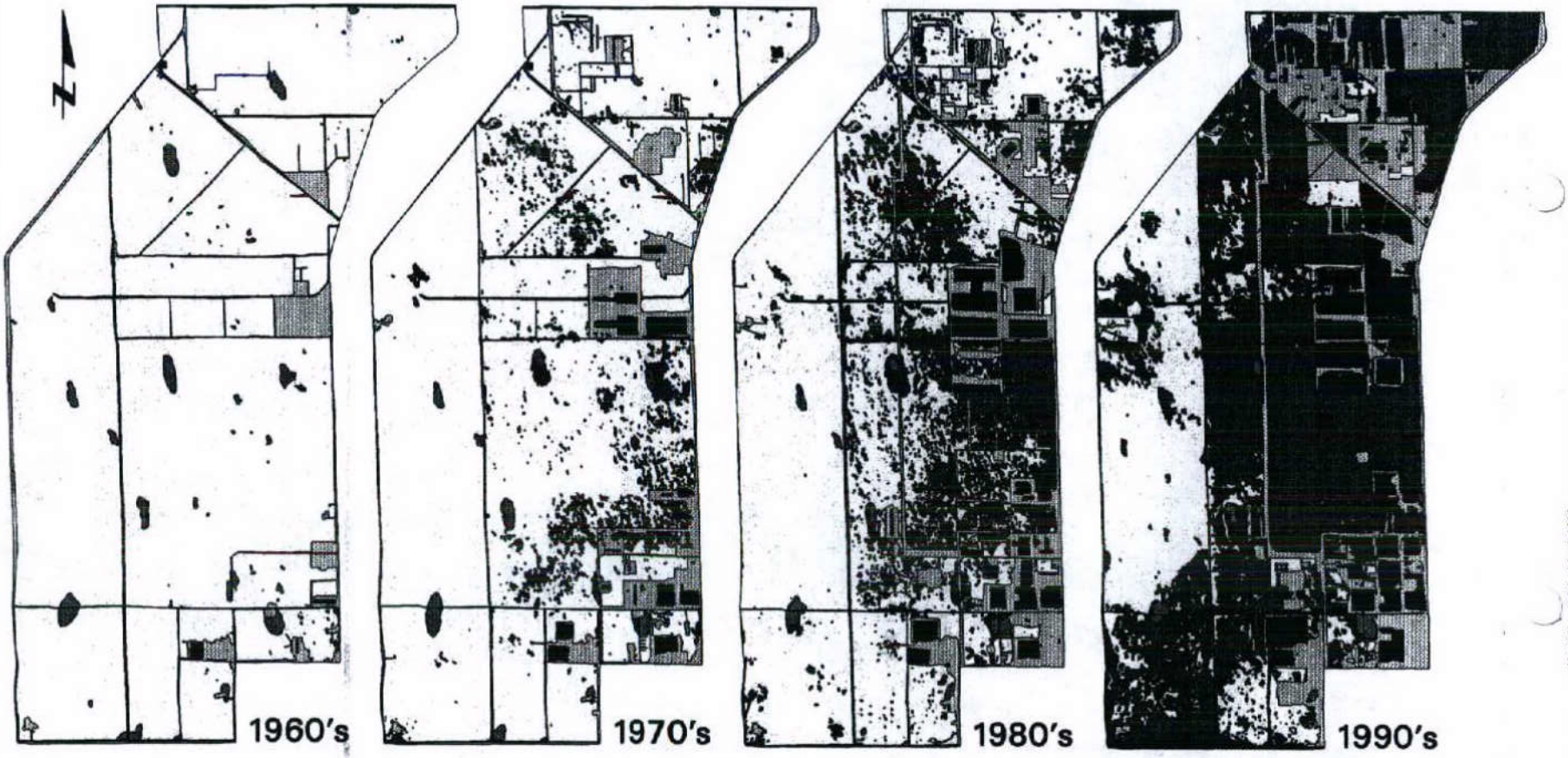
Melaleuca Expansion, 1963–1993, Lakebelt Region



< 50% Melaleuca | > 50% Melaleuca | Tree Islands | Disturbed Areas | Lakes | Canals

Data sources: Dade County 1:3600 aerial photographs (1960's, 1970's, 1980's, 1990's)

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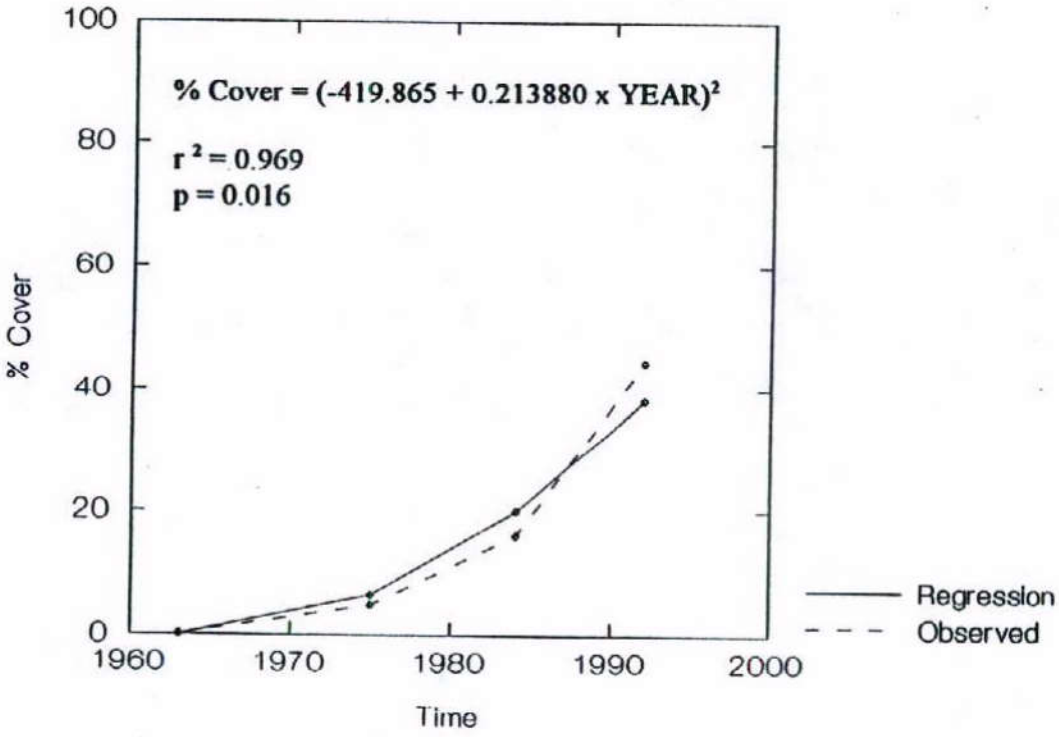
FIGURE #9

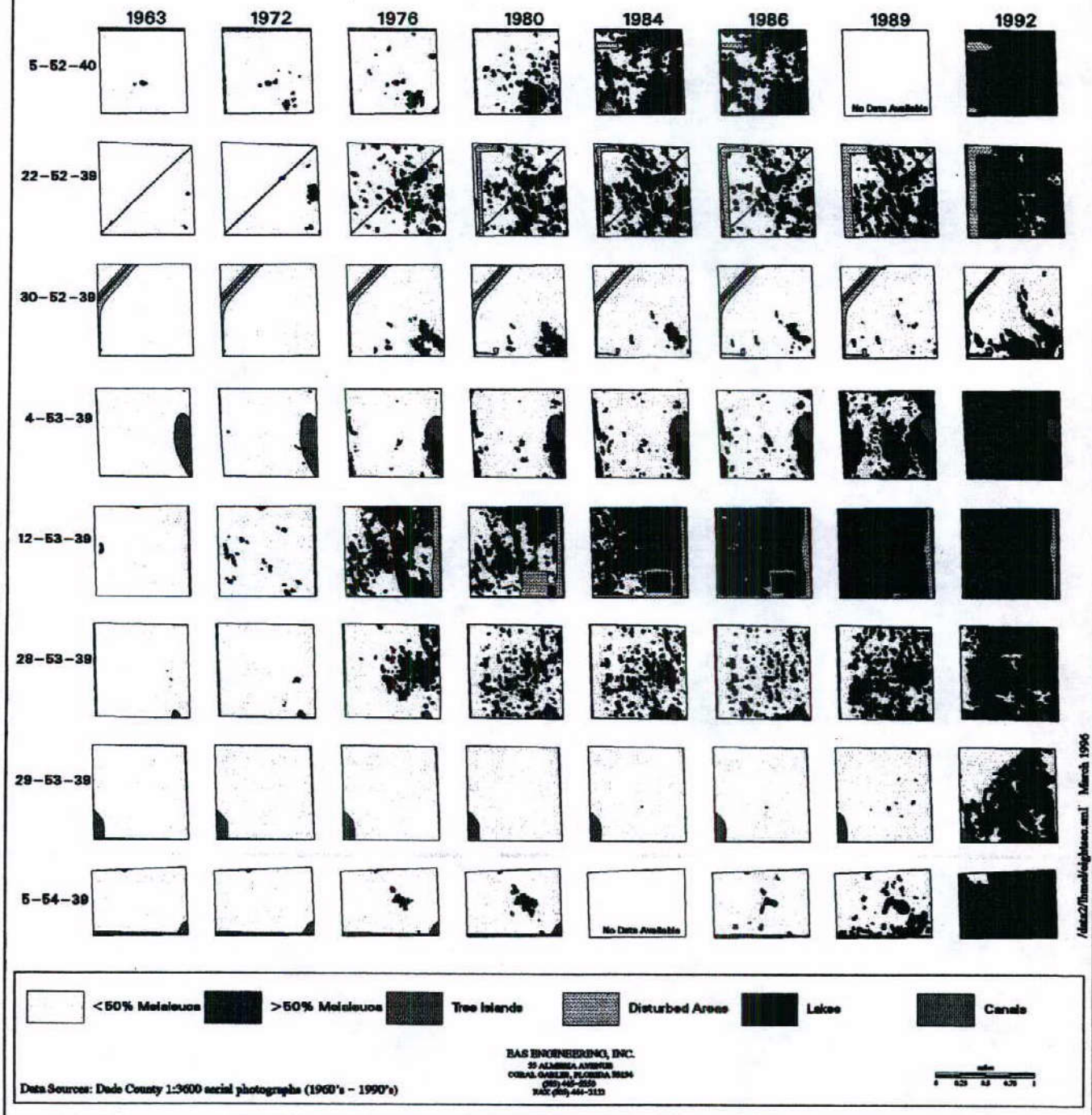
FIGURE #10

Melaleuca Expansion: Entire Lakebelt Region



THIS FIGURE NOT USED.

Cover Type Changes, 1963 - 1992, In Eight Sections



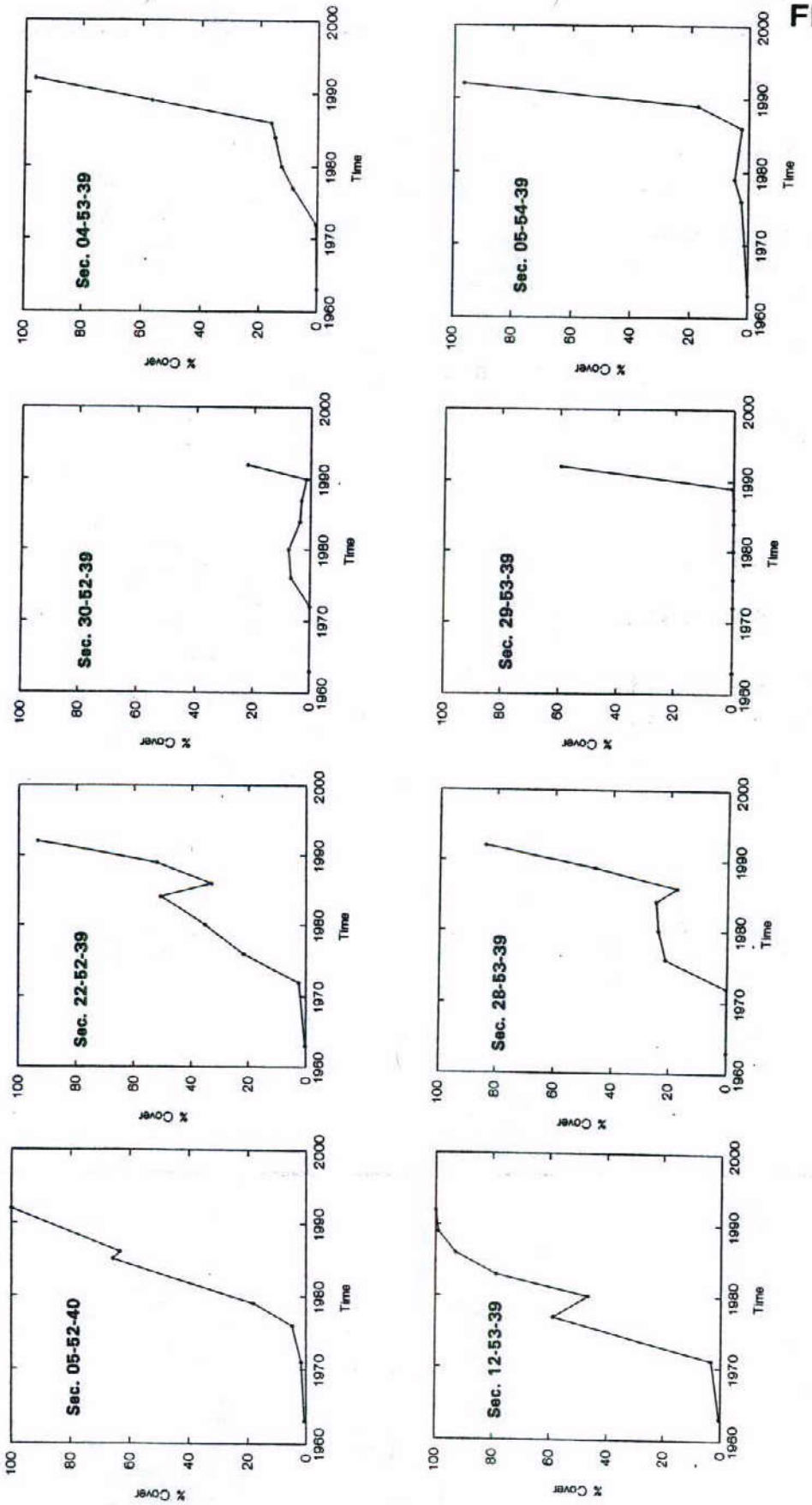
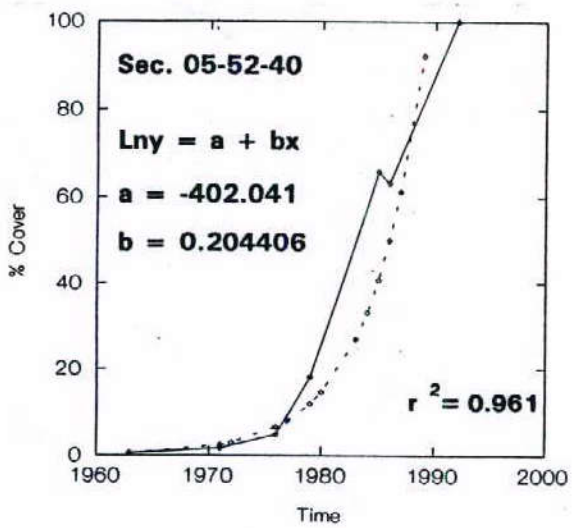
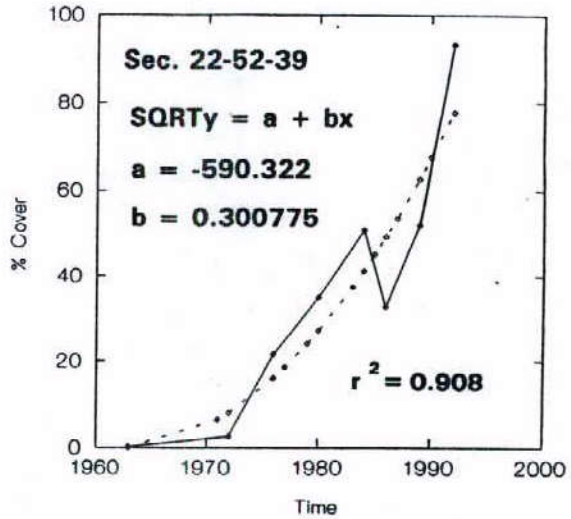


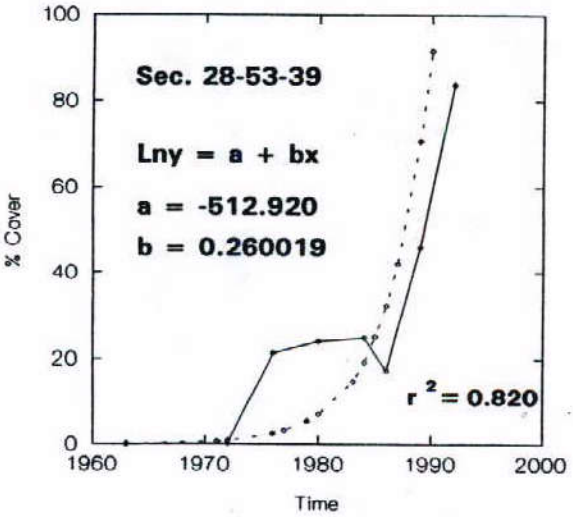
FIGURE #1

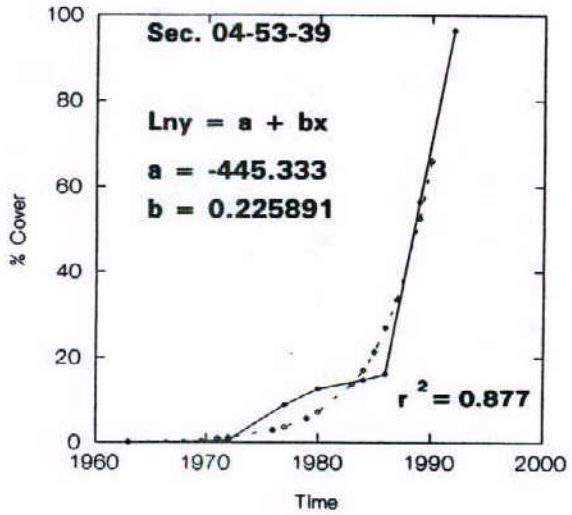
DOC#614

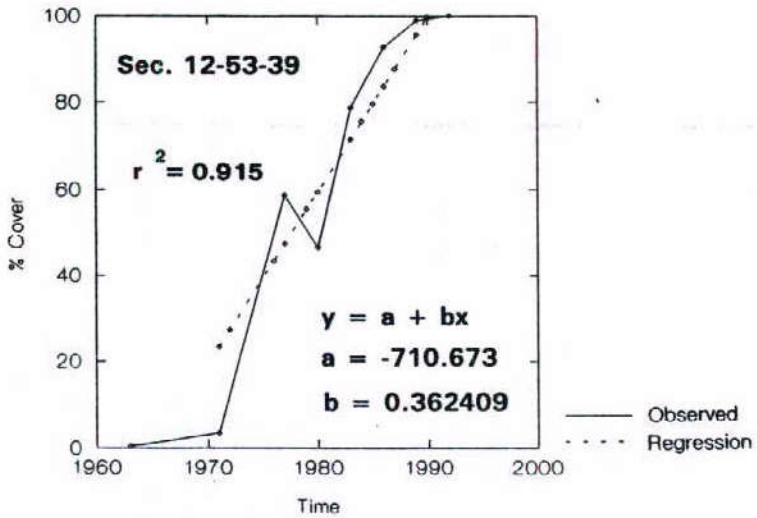
FIGURE #14


Sec. 05-52-40
Lny = a + bx
a = -402.041
b = 0.204406
r 2 = 0.961
% Cover
Time


Sec. 22-52-39
SQRTy = a + bx
a = -590.322
b = 0.300775
r 2 = 0.908
% Cover
Time


Sec. 28-53-39
Lny = a + bx
a = -512.920
b = 0.260019
r 2 = 0.820
% Cover
Time


Sec. 04-53-39
Lny = a + bx
a = -445.333
b = 0.225891
r 2 = 0.877
% Cover
Time


Sec. 12-53-39
r 2 = 0.915
y = a + bx
a = -710.673
b = 0.362409
% Cover
Time
Observed
Regression

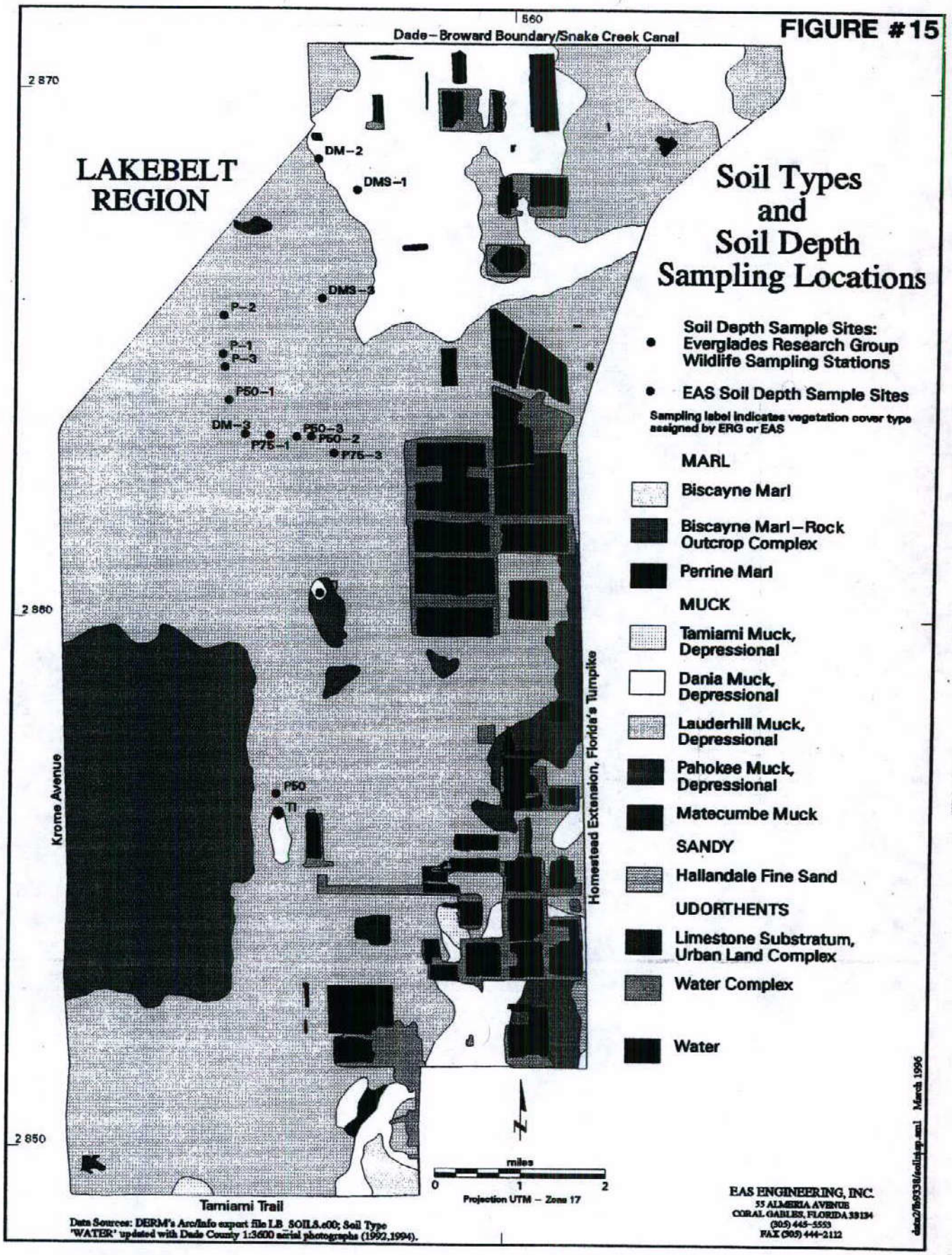


FIGURE #15
Soil Types and Soil Depth Sampling Locations
LAKEBELT REGION
560
Dade-Broward Boundary/Snake Creek Canal
2 870
2 860
2 850
DM-2
DMS-1
DMS-3
P-2
P-1
P-3
P50-1
DM-3
P75-1
P50-3
P50-2
P75-3
P50
T1
Krome Avenue
Homestead Extension, Florida's Turnpike
Tamiami Trail
Soil Depth Sample Sites: Everglades Research Group Wildlife Sampling Stations
EAS Soil Depth Sample Sites
Sampling label indicates vegetation cover type assigned by ERG or EAS
MARL
Biscayne Marl
Biscayne Marl-Rock Outcrop Complex
Perrine Marl
MUCK
Tamiami Muck, Depressional
Dania Muck, Depressional
Lauderhill Muck, Depressional
Pahokee Muck, Depressional
Matecumbe Muck
SANDY
Hallandale Fine Sand
UDORTHENTS
Limestone Substratum, Urban Land Complex
Water Complex
Water
N
miles
0
1
2
Projection UTM - Zone 17
Data Sources: DERM's Arc/Info export file LB_SOILS.e00; Soil Type 'WATER' updated with Dade County 1:3600 aerial photographs (1992,1994).
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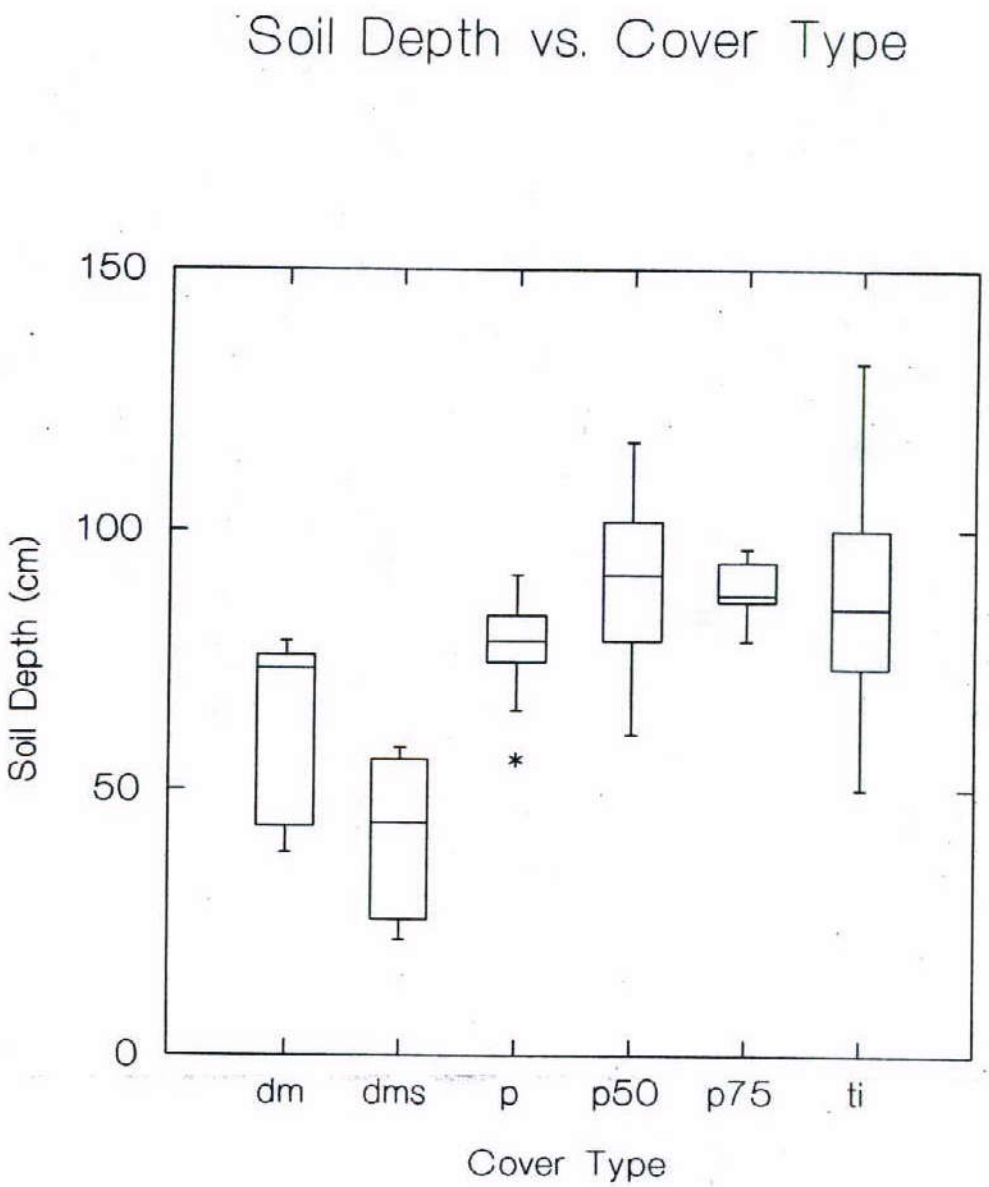
FIGURE #16


Soil Depth vs. Cover Type
150
100
50
0
Soil Depth (cm)
dm
dms
p
p50
p75
ti
Cover Type

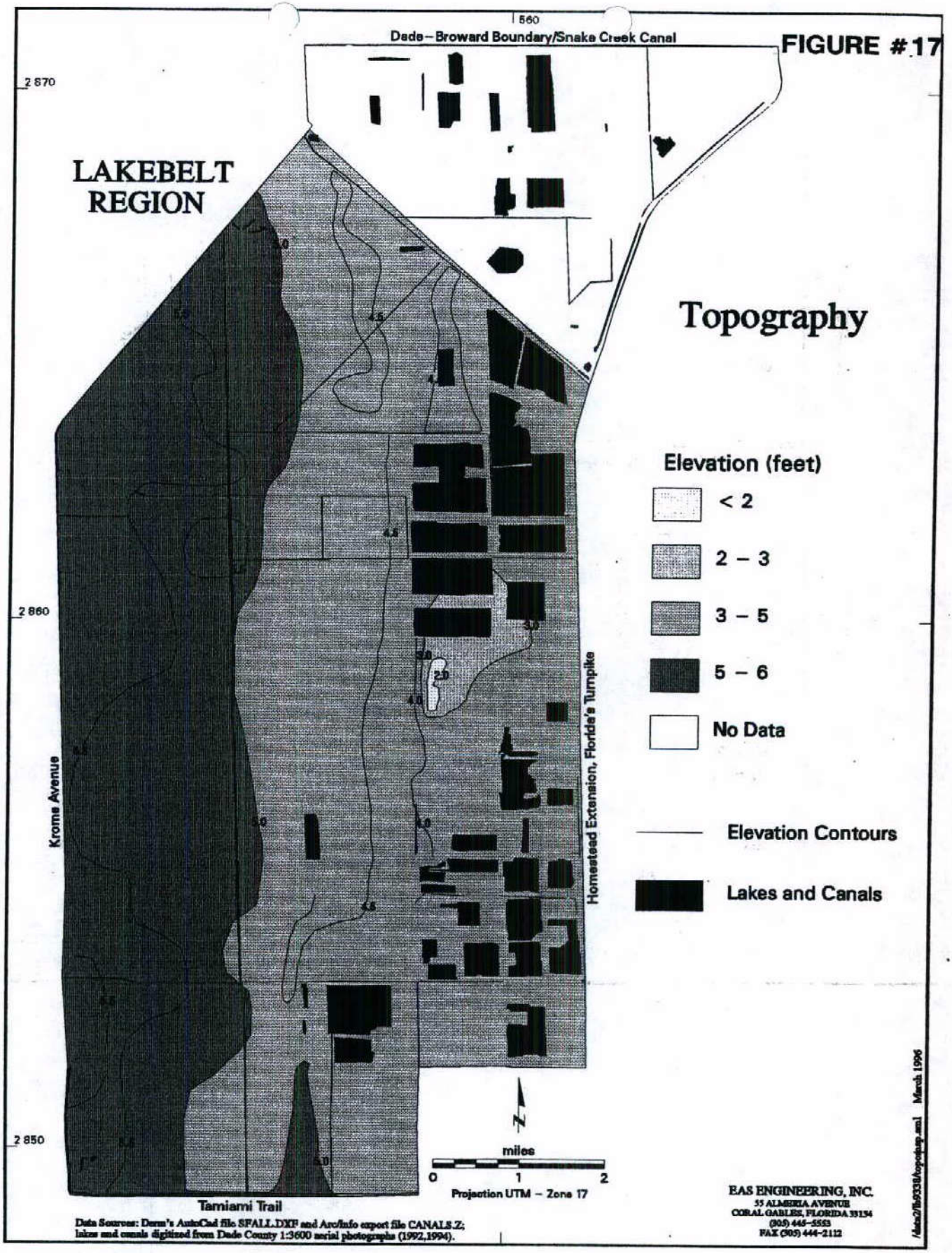


FIGURE #17
LAKEBELT REGION
Topography
560
Dade–Broward Boundary/Snake Creek Canal
2 870
2 860
2 850
Krome Avenue
Homestead Extension, Florida's Turnpike
Tamiami Trail
Elevation (feet)
< 2
2 – 3
3 – 5
5 – 6
No Data
Elevation Contours
Lakes and Canals
N
miles
0
1
2
Projection UTM – Zone 17
Data Sources: Dern's AutoCad file SFALL.DXF and Arc/Info export file CANALS.Z; lakes and canals digitized from Dade County 1:3600 aerial photographs (1992,1994).
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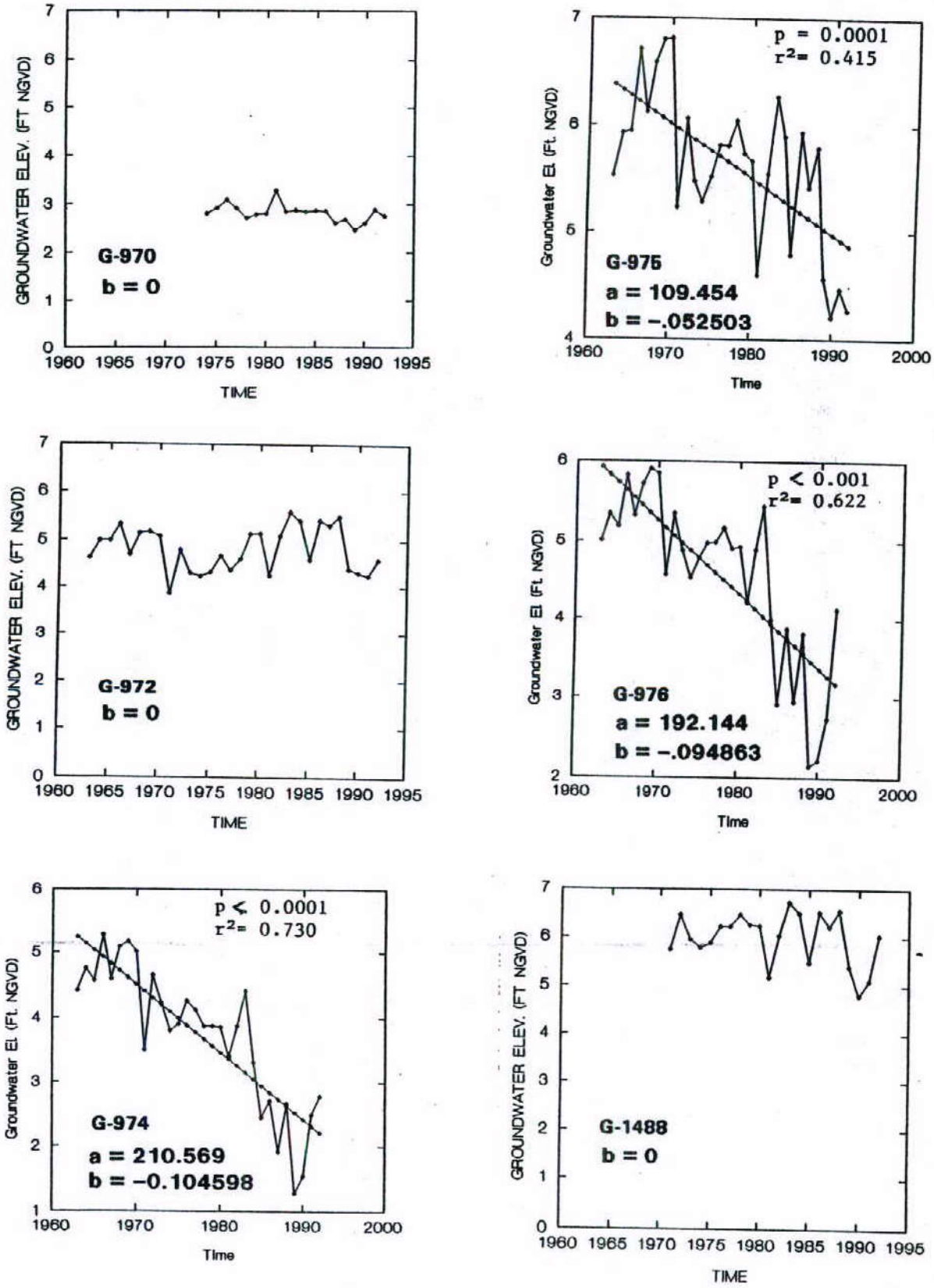
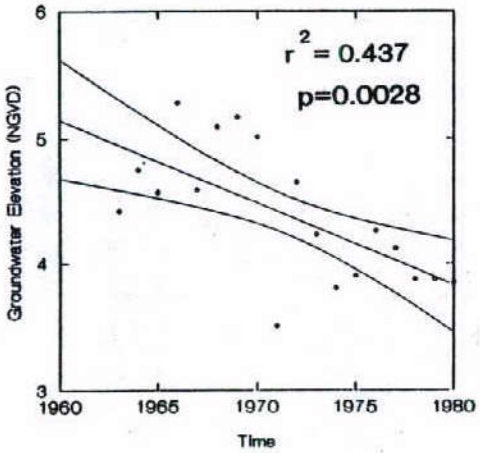
March 1995

FIGURE # 18

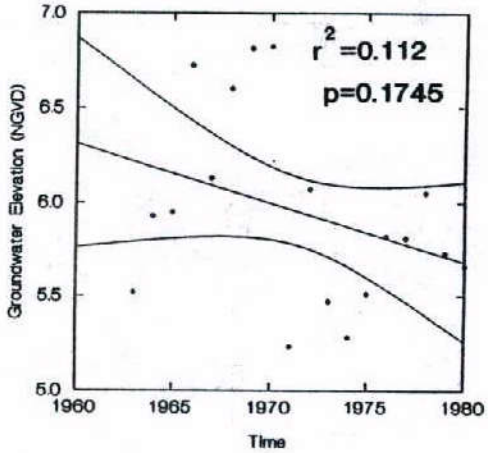


DOC#614

G-974 Annual Avg Groundwater Elev.



G-975 Annual Avg Groundwater Elev.



G-976 Annual Avg Groundwater Elev.

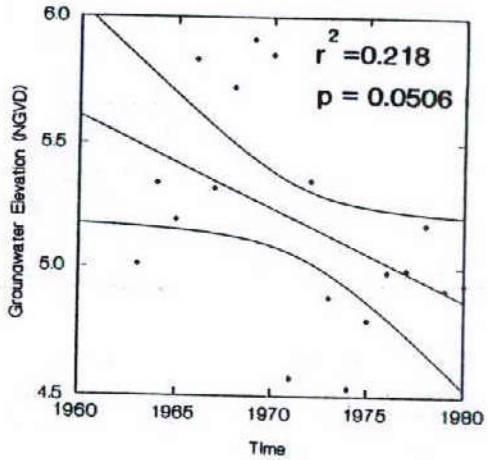
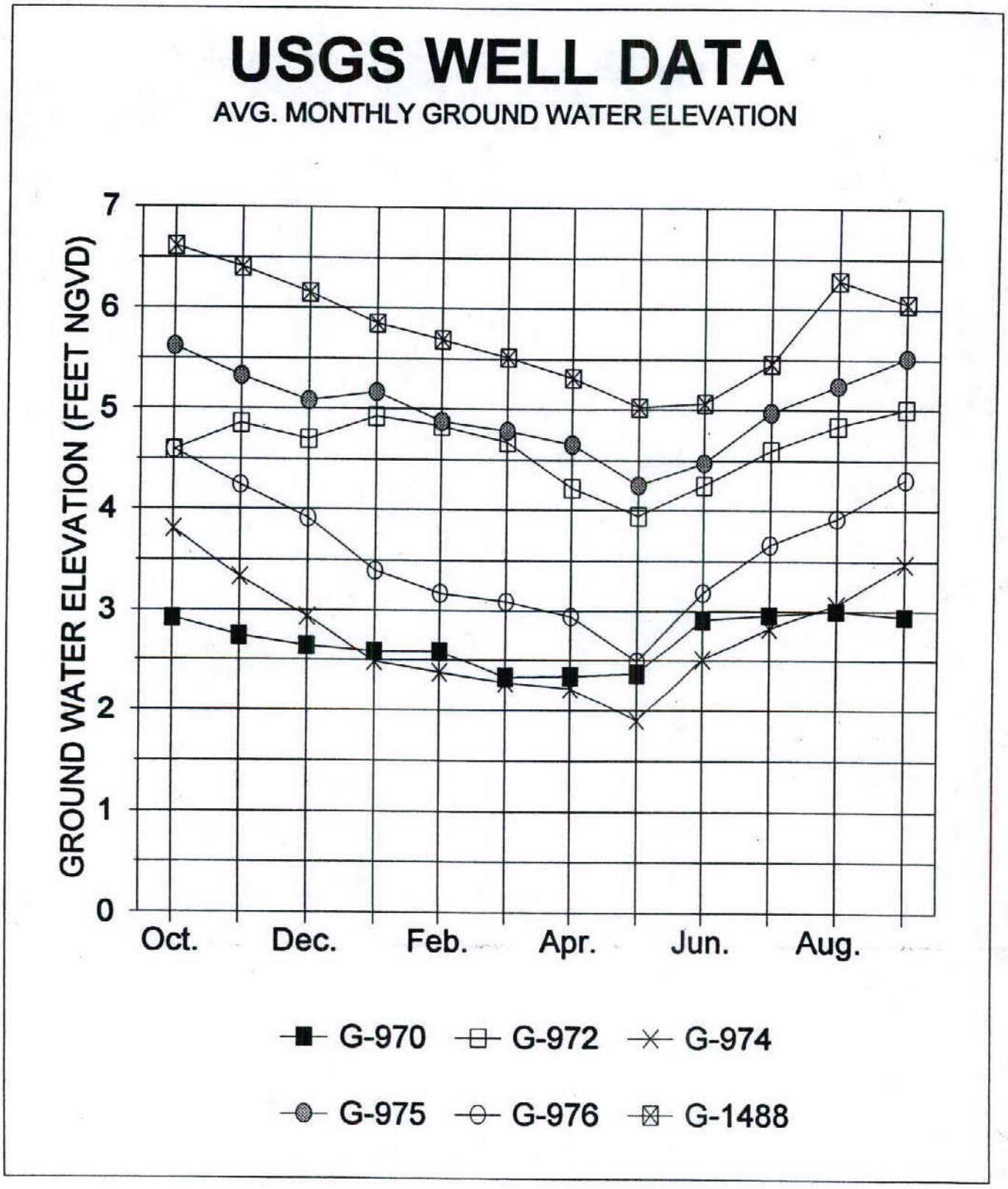


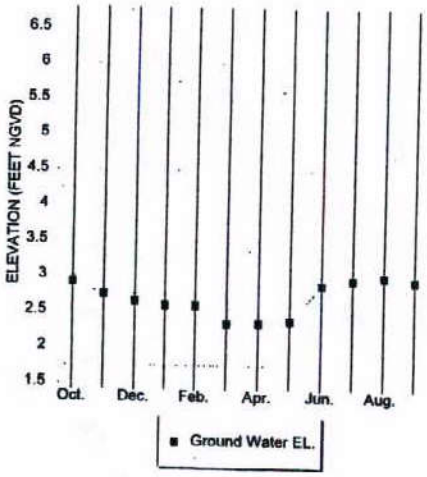
FIGURE #20



DOC#614

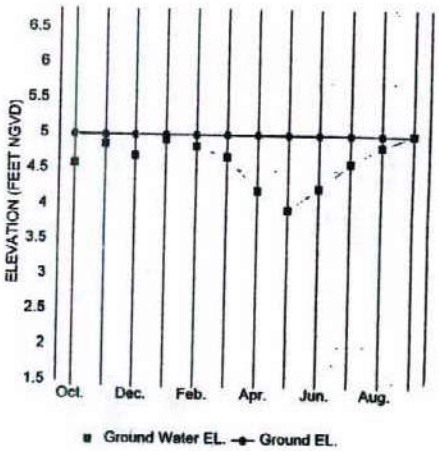
G-970

AVG MONTHLY GROUND WATER ELEVATION



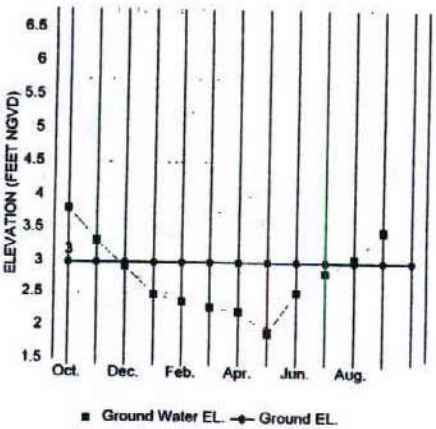
G-972

AVG MONTHLY GROUND WATER ELEVATION



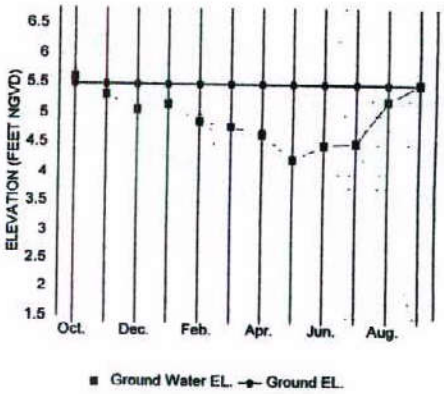
G-974

AVG MONTHLY GROUND WATER ELEVATION



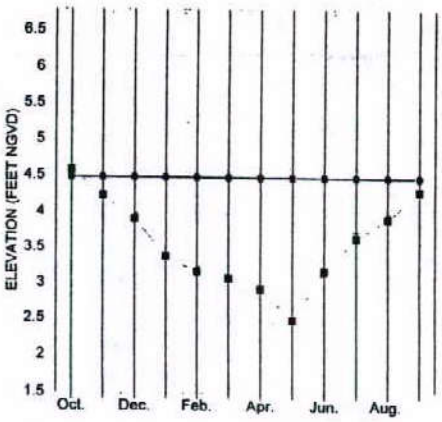
G-975

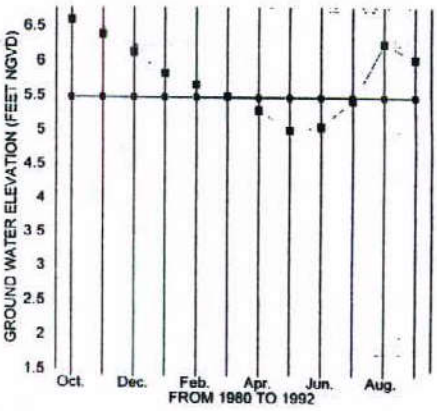
AVG MO GROUND WATER ELEVATION



G-976

AVG MONTHLY GROUND WATER ELEVATION



G-1488

AVG. MO. GROUND WATER ELEVATION