N00213.AR.000156
NAS KEY WEST
5090.3a

LETTER OF TRANSMITTAL AND ENVIRONMENTAL RESOURCE PERMIT AS-BUILT CERTIFICATION, DRAWINGS, EXCAVATION AND BACKFILL QUANTITIES AND DELINEATION AND CONFIRMATION SAMPLING RESULTS NAS KEY WEST FL
5/29/1996
BECHTEL ENVIRONMENTAL INC

T+NUS
AIK 0067
4207
010004

Bechtel

Oak Ridge Corporate Center
151 Lafayette Drive
P.O. Box 350
Oak Ridge, Tennessee 37831-0350

Telephone: (423) 220-2000

MAY 29 1996

Mr. Gordan Romeis
Florida Department of Environmental Protection
Submerged Lands and Environmental Resources Program
South District
2295 Victoria Avenue, Suite 364
Fort Myers, FL 33901-3881

SUBJECT: Bechtel Job No. 22567
Department of the Navy Contract No. N62467-93-D-0936
DO 0004, NAS KEY WEST, FLORIDA, AS-BUILT CERTIFICATION, PERMIT #442693985
Subject Code: 7550

Dear Mr. Romeis:

Pursuant to the wetlands permit requirements, please find enclosed two copies of the following:

- Environmental Resource Permit As-Built Certification
- as-built survey drawings
- excavation and backfill quantities
- delineation and confirmation sampling results for each site

The inspection of the sites by your office should be arranged through Ron Demes at NAS-Key West. His phone number is (305) 293- 2906.

If you have any questions or comments, please feel free to give me a call at (423) 220-2745 or Roy Hoekstra at (423) 220-2271.

TtNUS
AIK

4207

Sincerely,

O. N. McNeil, Jr.
Project Manager

REH:dcm:LR0765
Enclosure: As stated

cc: Dudley Patrick w/e
Ron Demes w/e
Phil Williams w/e
Mark Ewing w/e
John Strudt w/e

ACTION REQ'D [ ] YES [ ] NO DUE DATE _____
RESPONSE TO CHRON NO. _____

Bechtel Environmental, Inc.

NAVY RAC PROJECT, JOB# 22567 ## 321 CCN: 010004
DATE RECEIVED: MAY 29 1996

UPDATE COMMUNICATIONS CONTROL REGISTER
22567 LADEIKE

CCN-Item No. 010004-1 Rec Type PE Comm Date 29-MAY-96 Admin Record N

Subject KEY - DO#0004; AS-BUILT CERTIFICATION, PERMIT #442693985

From	Org	To	Org	File Loc	Closes CCN -1
MCNEIL, O.	BEI	ROMEIS, G.	FDEP	M	

Comm Reference

Published?

Field CCN -1

Cross Ref (Affected Doc)
DO#0004

Site Codes
321

Site 1 = IR-1
Site 3 = IR-3
Site 4 = SWMU-1
Site 5 = SWMU-2
Site 7 = IR-7
Site 8 = IR-8
Site 10 = SWMU3

Subject Codes

SWMU 1,
SWMU 2,
AOC B

Owed By

Owed To

Comment/Action

[redacted]

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PROGRAM MGR						WA			
ACTING PROG MGR						2			
PROG MGR SCTY									
PROJ MGRS {CHS/PI						Sent		M.E. HERRON	
{CF/JAX}						Sent		K. LOTT	
{ALB/ATH}								G.R. TURNER	
{KW/ORL}								D. PATRICK	Sent
{CF/JAX}						1		G. PEARSON	
SITE SUPERINTENDE								S. BERRY	
{ALB}								B. GLOVER	
{JAX}								N. UGOLINI	
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DATA MGMT	L. DAVENPORT								
S&H MANAGER	R. W. THOMPSON								
ENVIR COMPLIANCE	R. ATWOOD							SUBCONTRACTORS:	
CONTRACT ADM MGR	G.M. FRANKLIN								
{CF} PROCUREMENT	S. WEINMAN							ASSOC ENVIR	
PROJ CTRLS MGR	C. J. PERRY							AES	
{CF} PROJ CTRLS	G.S. OSTROSKY			75-YEAR RECORD FILE				FPS	
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FIELD QC MGR	J. A. GRISSETT			SUBMITTAL FILE					
PROJ ADMINISTRATOR	L. LANDERS			SENSITIVE FILE				INCHCAPE	
RCDS MGMT	L. DEIKE/BJ STOUT			PDCC FILE	1			MEI	

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Pyron or
Collins

SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
NORTH CHARLESTON, SOUTH CAROLINA

S:\MISC\DISTRIB

14 May 1996

Form #62-343.900(5), F.A.C.
Form Title: As-Built Certification by a Registered Professional
Date: October 3, 1995

010004

ENVIRONMENTAL RESOURCE PERMIT
AS-BUILT CERTIFICATION BY A REGISTERED PROFESSIONAL

Permit Number: 442693985

Project Name: NAS Key West - AOC-B, SWMU-1, and SWMU-2

I hereby certify that all components of this surface water management system have been built substantially in accordance with the approved plans and specifications and are ready for inspection. Any substantial deviations (noted below) from the approved plans and specifications will not prevent the system from functioning as designed when properly maintained and operated. These determinations are based upon on-site observation of the system conducted by me or by my designee under my direct supervision and/or my review of as-built plans certified by a registered professional or other appropriate individual as authorized by law.

Commanding Officer
Name (please print)

Signature of Professional

Naval Air Station - Key West
Company Name

049690
Florida Registration Number

P.O. Box 9001
Company Address

05/28/96
Date

Key West, FL 33040
City, State, Zip Code

(305) 293-2906*
Telephone Number

(Affix Seal)

* Contact Person: Ron Demes-Engineering Director
Public Works Dept.

Substantial deviations from the approved plans and specifications:

As-Built Surveys are attached

(Note: attach two copies of as-built plans when there are substantial deviations)

Within 30 days of completion of the system, submit two copies of the form to:

Form #62-343.900(5), F.A.C.
Form Title: As-Built Certification by a Registered Professional
Date: October 3, 1995

010004

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AS-BUILT CERTIFICATION BY A REGISTERED PROFESSIONAL

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Key West, FL 33040
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Telephone Number

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AS-BUILT CERTIFICATION BY A REGISTERED PROFESSIONAL

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* Contact Person: Ron Demes-Engineering Director
Public Works Dept.

Substantial deviations from the approved plans and specifications:

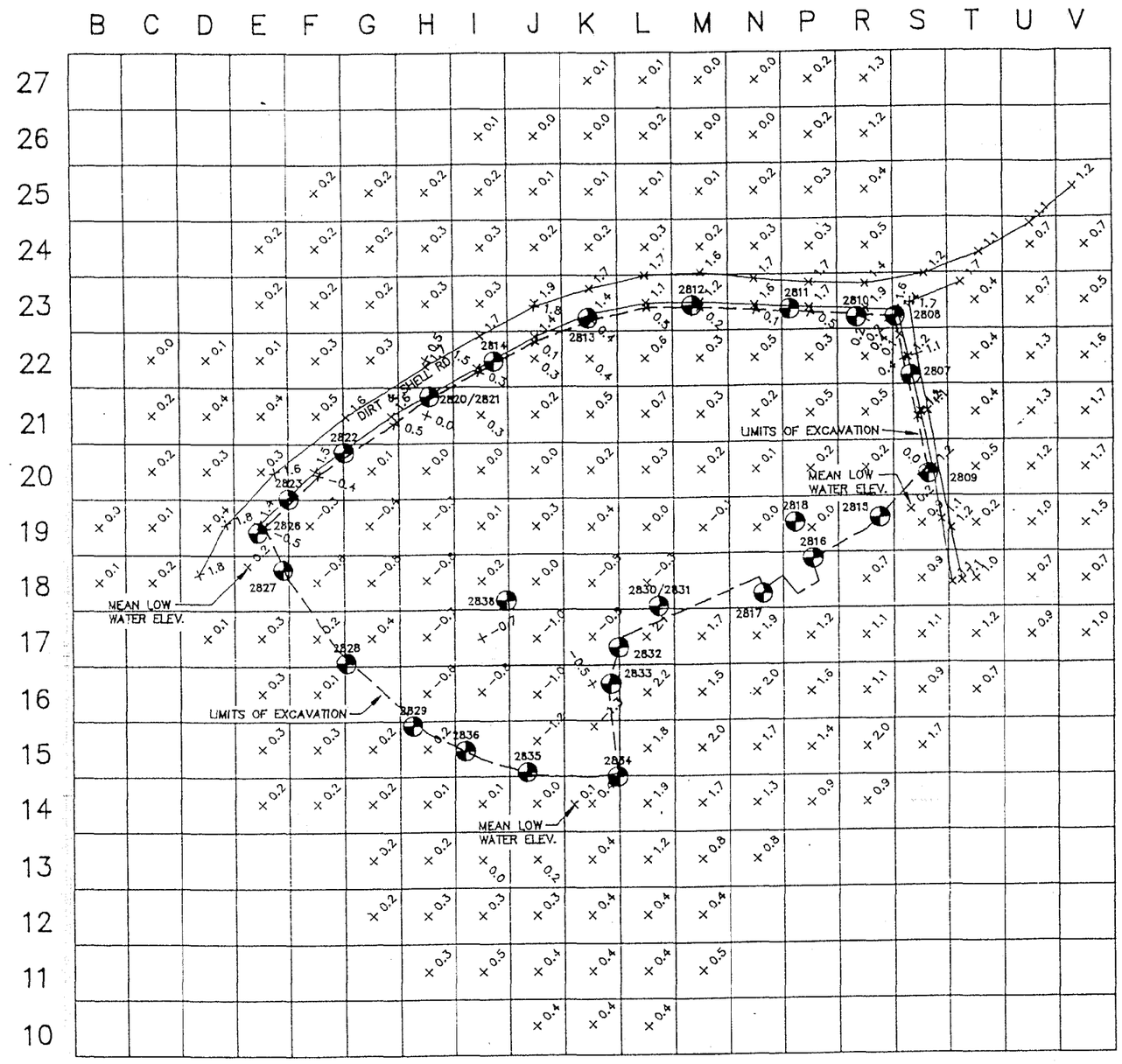
As-Built Surveys are attached

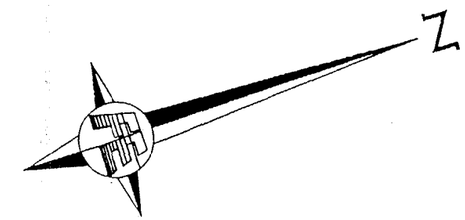
(Note: attach two copies of as-built plans when there are substantial deviations)

Within 30 days of completion of the system, submit two copies of the form to:

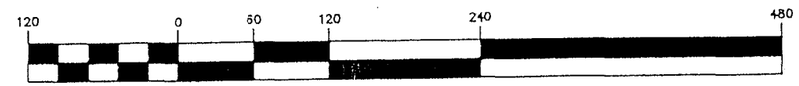
NAS Key West
Wetland Excavation and Backfill Quanities

Site	AOC-B	SWMU-1	SWMU-2
Amount of Excavation	993 cubic yards	6275 cubic yards	1962 cubic yards
Amount of Backfill	-	3783 cubic yards	627 cubic yards
Amount of Topsoil	582 cubic yards	831 cubic yards	559 cubic yards





GRAPHIC SCALE



(IN FEET)
1 inch = 120 ft.

NOTES

+1.0 DENOTES EXISTING SPOT ELEVATION

2850 DENOTES SAMPLING POINT

THE GRID SHOWN IS 50'x 50'

FINAL AS BUILT SURVEY 4/17/96

FRANK & ELLIOTT
SURVEYORS • ENGINEERS • LAND PLANNERS
83284 OVERSEAS HIGHWAY, SUITE 500, ISLAMORADA, FLORIDA 33036
Phone (305) 664-0784 FAX (305) 664-0816

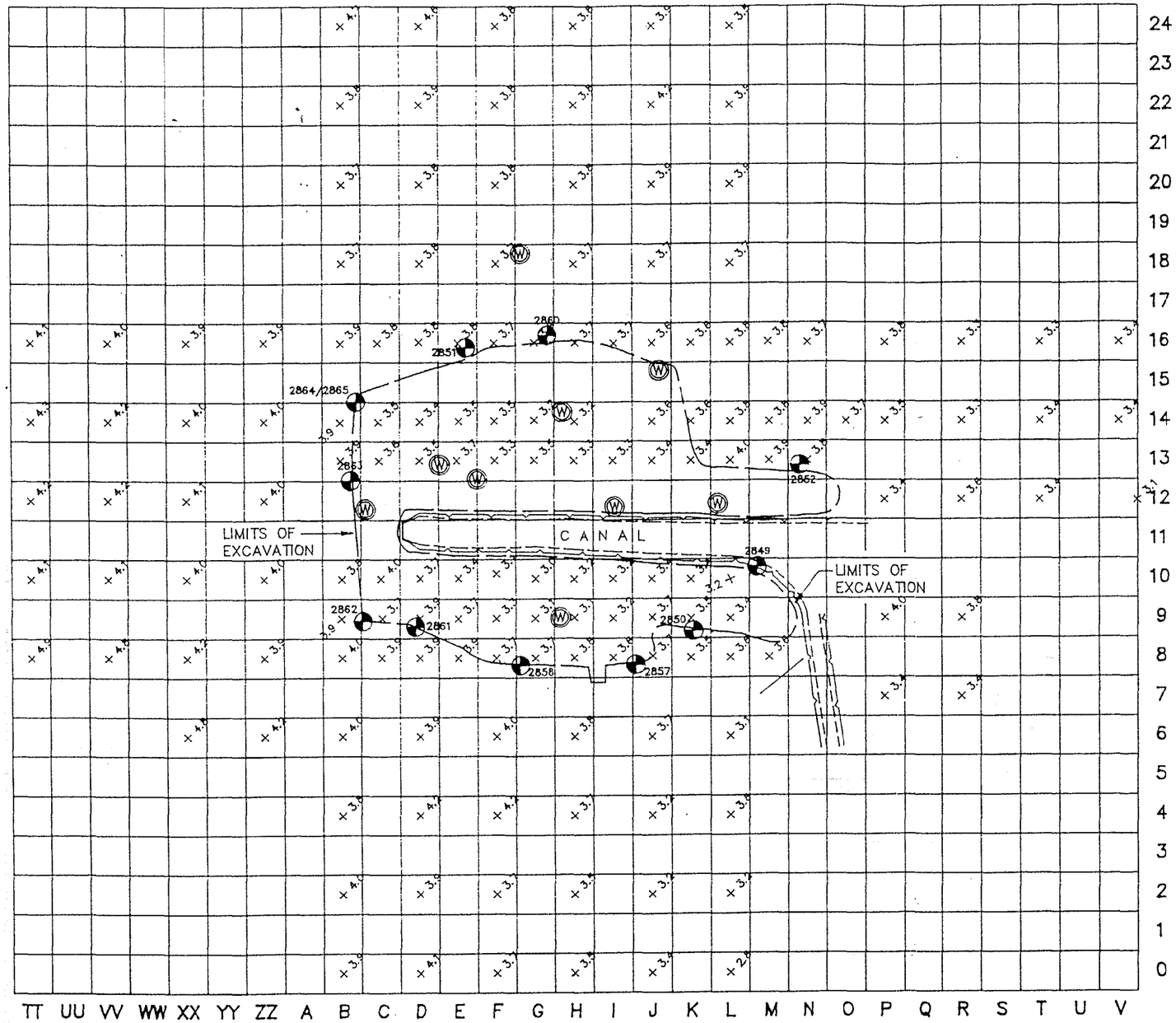
CERTIFIED FOR SPECIFIC PURPOSE SURVEY

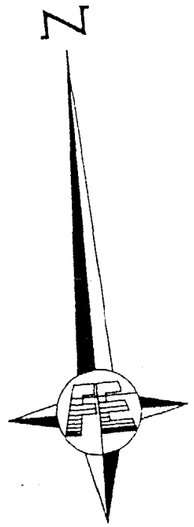
I HEREBY CERTIFY THIS SURVEY MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 61G17-6 FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

SCALE: 1' = 120'	EDWARD C. ELLIOTT, P.L.S. # 3983	DRAWN BY: ECE
DATE: 7/12/95		REVISED 2/7/96

SWMU NO. 1 – BOCA CHICA OPEN DISPOSAL AREA

CERTIFIED TO: BECHTEL	JOB NUMBER: 95142.SWMU1





GRAPHIC SCALE

(IN FEET)
1 inch = 80 ft.

NOTES

$\times^{3.4}$ DENOTES EXISTING SPOT ELEVATION

Ⓦ DENOTES MONITOR WELL

2850 DENOTES SAMPLING POINT

THE GRID SHOWN IS 25'x 25'

FINAL AS BUILT SURVEY 4/18/96

FRANK & ELLIOTT
SURVEYORS • ENGINEERS • LAND PLANNERS
83266 OVERSEAS HIGHWAY, SUITE 800, MILAMORADA, FLORIDA 33036
Phone (305) 664-0784 FAX (305) 664-0816

CERTIFIED FOR SPECIFIC PURPOSE SURVEY
I HEREBY CERTIFY THIS SURVEY MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 61017-6 FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

SCALE: 1' = 80'	EDWARD C. ELLIOTT, P.L.S. # 3983	DRAWN BY: ECE
DATE: 7/12/95		REVISED: 2/7/96

SWMU NO. 2 – BOCA CHICA DDT MIXING AREA

CERTIFIED TO: BECHTEL

JOB NUMBER:

NAS-Key West
Wetland Sampling Results Summary

AOC- Big Coppitt Key Abandoned Civilian Disposal Area

Figure 1	Delineation Sampling Locations
Table 1	Sediment Delineation Sampling Laboratory Results
Table 2	Soils Delineation Sampling Laboratory Results
Figure 2	Confirmation Sampling Locations
Table 3	Sediment Confirmation Sampling Laboratory Results

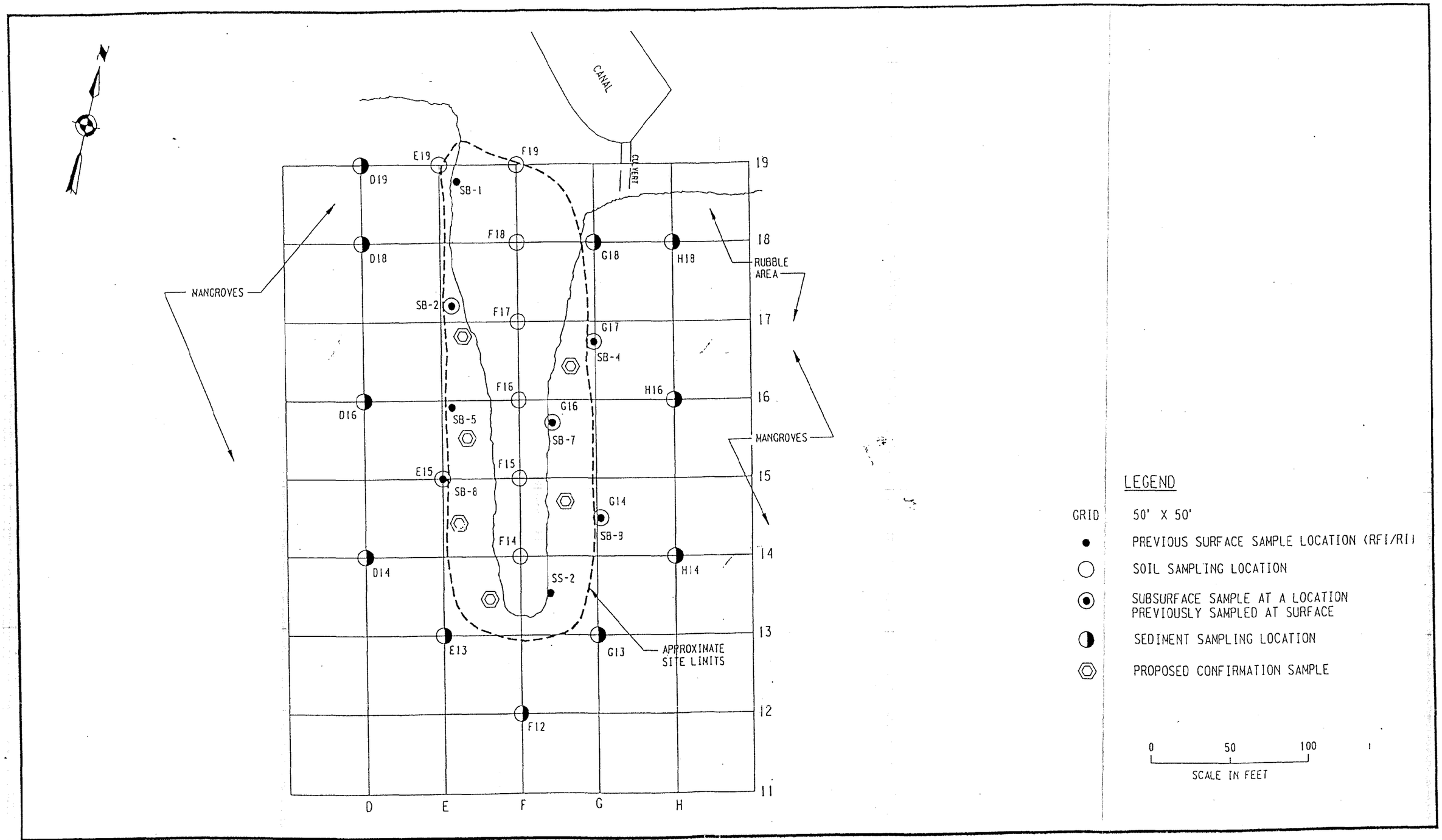
SWMU-1 Boca Chica Open Disposal Area

Figure 3	Delineation Sampling Results
Table 4	Delineation Sampling Results
Figure 4	Confirmation Sampling Results
Table 5	Confirmation Sampling Results

SWMU-2 Boca Chica DDT Mixing Area

Figure 5	Delineation Sampling Results
Table 6	Delineation Sample Results Soils and Sediments
Table 7	Delineation Sample Results Surface Water
Figure 6	Confirmation Sampling Results
Table 8	Surface Water Sample Results During Treatment
Table 9	Confirmation Sampling Results for Soils
Table 10	Confirmation Sampling Results for Sediments

NOTE: The delineation sampling results are the "before" samples and were collected prior to any remedial activities at these sites. The confirmation sampling results were collected after all remedial activities were completed.



22567 321 TABLE.DGN
7/31/95

Figure 1
AOC-B Big Coppitt Key
Abandoned Civilian Disposal Area
Delineation Sampling Locations

Table 1
AOC-B Sediment Delineation Sampling
Laboratory Analysis Results in ppm

PARAMETER	STANDARD[1] mg/kg	Sample ID Location, Depth(ft)											
		KW02001 D18, 0-1	KW02002 D19, 0-1	KW02003 E19, 0-1	KW02004 D16, 0-1	KW02005 D14, 0-1	KW02006 D14, 1-2	KW02007 E13, 0-1	KW02008 E13, 1-2	KW02009 F12, 0-1	KW02010 F12, 1-2	KW02011 H14, 0-1	KW02012 H14, 1-2
ALUMINUM	NA	5470	4750	3250	3980	3220	2470	4830	2060	3760	3030	2840	5000
ARSENIC	7.24	2.59	7.68	1.53 J	5.05	8.1	5.44	10.2	2.34 J	6.3	1.95 J	1.33 J	3.11
BARIUM	NA	11.6 J	32.4	10.1 J	11.6 J	7.41 J	10.5 J	9.43	9.19 J	8.75	10.8 J	8.61 J	9.66 J
CADMIUM	0.676	ND	ND	ND	ND	1.19 J	ND	1.91 J	ND	ND	ND	ND	ND
CALCIUM	NA	262000	295000	311000	244000	135000	318000	67900	284000	128000	324000	253000	250000
CHROMIUM	52.3	9.57 J	35.4	4.69 J	9.33 J	9.7	ND	13	5.7 J	11.2	3.85 J	2.71 J	9.45 J
COBALT	NA	4.06 J	3.57 J	2.43 J	7.34	1.74 J	ND	2.39 J	3.04 J	2.45 J	2.06 J	6.62 J	4.06 J
COPPER	18.7	3.21 J	25.9	ND	ND	11.4	ND	16.1	ND	2.08 J	ND	ND	ND
IRON	NA	2420	12700	1620	1800	2730	2610	3350	1120	1540	1490	1200	2420
LEAD	30.2	ND	44.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MAGNESIUM	NA	20000	16600	12700	19900	10200	14700	14700	13100	12000	17200	15300	20000
MANGANESE	NA	25.8	55.7	15.5	18.4	11.2	20.2	11.4	13.9	8.75	18.4	16.5	25.7
NICKEL	15.9	5.83 J	38.1	ND	ND	5.87 J	ND	13.1	ND	5.08 J	ND	ND	4.81 J
POTASSIUM	NA	1340	936	875	1690	1690	1310 J	3720	973 J	2940	1090 J	936	1160
SODIUM	NA	13800	10900	11400	21300	30000	31000	65700	20000	49300	18700	14200	16400
VANADIUM	NA	ND	ND	ND	ND	11.6	ND	40.5	ND	14.5	ND	ND	ND
ZINC	124	54.1	450	24.1	41	480	90.1	442	7.21 J	19.8	2.19 J	6.43 J	3.04 J

[1]Sediment Criteria based on FDEP's "Approach to the Assessment of Sediment Quality in Florida Coastal Waters" November, 1994

ND - Not Detected

J - A "J" indicates that the value is estimated, the detected concentration is above the detection limit, but below the reporting limit

The Shaded boxes indicate detected concentrations above the standard.

ppm=parts per million

Table 1 (con't)
AOC-B Sediment Delineation Sampling
Laboratory Analysis Results in ppm

PARAMETER	STANDARD[1] mg/kg	Sample ID Location, Depths										
		KW02013 G13, 0-1	KW02015 G13, 1-2	KW02016 H16, 0-1	KW02017 H16, 1-2	KW02018 G14, 1-2	KW02020 G16, 1-2	KW02021 G17, 1-2	KW02022 G18, 0-1	KW02023 G18, 1-2	KW02024 H18, 0-1	KW02025 H18, 1-2
ALUMINUM	NA	3990	4040	3670	3760	3590	6170	5320	1350	1300	3380	3500
ARSENIC	7.24	4.8	2.48 J	2.96	2.31 J	1.36 J	7.96	2.0 J	0.86 J	0.86 J	1.43	1.32
BARIUM	NA	8.95 J	11.3 J	9.89 J	9.88 J	10.1 J	21.4	13.8	9.13	9.94	11.1 J	10.5 J
CADMIUM	0.676	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CALCIUM	NA	208000	292000	241000	258000	230000	276000	310000	362000	346000	325000	322000
CHROMIUM	52.3	8.95 J	6.25 J	4.84 J	6.81 J	8.34 J	12.5 J	11.7 J	3.25 J	3.76 J	9.79 J	8.94 J
COBALT	NA	5.19 J	2.95 J	2.74 J	2.02 J	3.5 J	3.25 J	3.17 J	4.54 J	1.9 J	3.26 J	2.93 J
COPPER	18.7	ND	ND	ND	ND	ND	9.44 J	ND	ND	1.99 J	3.86 J	2.55 J
IRON	NA	1840	2590	1710	1830	2070	9150	3230	1310	824	1810	1680
LEAD	30.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MAGNESIUM	NA	13800	20400	20400	20400	22700	18500	20400	6690	7740	20800	20300
MANGANESE	NA	14.8	24.1	19	21.2	22.5	58.3	28.4	11.4	16.9	22.3	22.3
NICKEL	15.9	5.99 J	4.89 J	ND	5.21 J	ND	7.69 J	5.04 J	ND	2.64 J	5.45 J	6.9 J
POTASSIUM	NA	1830	850 J	1540	1120	1030	1160	1340	317 J	401 J	1120	761 J
SODIUM	NA	30800	16600	23100	17400	20500	16700	16200	2860	3880	12400	11800
VANADIUM	NA	2.01 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ZINC	124	69.7	3.57 J	72.1	8.03 J	29.8	123	31.7	5.63 J	4.08 J	26.1	22.5

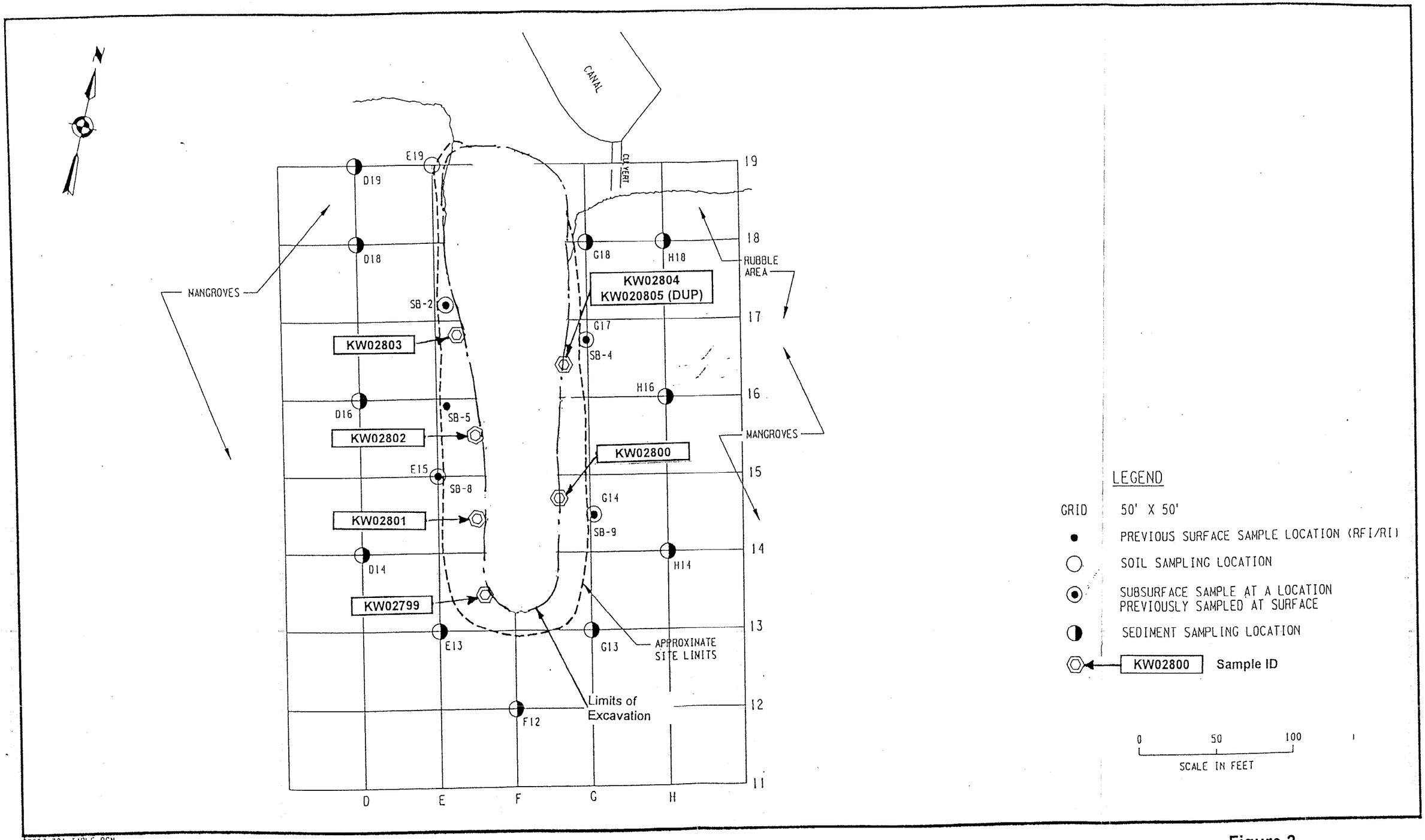
[1]Sediment Criteria based on FDEP's "Approach to the Assessment of Sediment Quality in Florida Coastal Waters" November, 1994

ND - Not Detected

J - A "J" indicates that the value is estimated, the detected concentration is above the detection limit, but below the reporting limit

The Shaded boxes indicate detected concentrations above the standard.

ppm=parts per million



22567 321 TABLE.DGN
7/31/95

Figure 2
AOC-B Big Coppitt Key
Abandoned Civilian Disposal Area
Confirmation Sampling Locations

Table 2
AOC-B Soil Delineation Sampling
Laboratory Analysis Results in ppm

PARAMETER	STANDARD[3] mg/kg	Sample ID Location, Depth(ft)								
		KW02026 F19, 0-1	KW02027 F14, 0-1*	KW02028 F14, 1-2	KW02029 F14, 2-3	KW02030 F15, 0-1	KW02031 F16, 0-1*	KW02033 F17, 0-1	KW02034 F17, 1-2	KW02035 F18, 0-1*
ALUMINUM	NA	677	1490	2100	3910	1310	2310	1100	1770	232
ARSENIC	10[1]	0.73 J	10.3	12.3	3.04	4.07	2.52	3.87	17.4	0.86 J
BARIUM	74000	16.8	214	108	19.3	118	63.3	81	165	17.1
CADMIUM	600	ND	7.71	12.6	ND	1.45 J	1.25 J	2.69	7.56	ND
CALCIUM	NA	388000	267000	216000	294000	319000	332000	304000	180000	385000
CHROMIUM	220	4.12 J	111	53.5	13.6 J	20.8	15.9	31.9	49.5	3.47 J
COBALT	110000	1.32 J	11.4 J	8.97 J	3.14 J	4.65 J	3.7 J	6.12 J	16.5 J	1.33 J
COPPER	72000	11.9	146	191	18	132	54.6 J	78.8	263	18.6
IRON	NA	2000	144000	113000	13900	78000	25800	84200	289000	4000
LEAD	400[2]	ND	226	146	ND	78.7	68.1	70.7	97	ND
MAGNESIUM	NA	2880	5970	8350	14300	5730	6380	3860	7430	1470
MANGANESE	170000	11.7	1220	474	54.5	276	121	410	653	18.9
NICKEL	NA	2.18 J	116	107	19.0 J	33.5	21	44	148	4.11 J
POTASSIUM	NA	265 J	ND	453 J	871 J	170 J	229 J	138 J	142 J	ND
SILVER	8000	ND	ND	ND	ND	ND	ND	ND	11.9	ND
SODIUM	NA	4870	2540	7000	16800	2800	2120	1200	4950	2630
ZINC	550000	61.8	2460	3240	674	1250	612	833	2210	51.1

[1]The 10 ppm limit for arsenic proposed by FDEP and Region IV EPA on May 2, 1995.

[2]The 400 ppm limit for lead is based on the revised CERCLA Guidance Document dated July, 1994.

[3]FDEP Cleanup Goals for Military Sites in Florida, April 15, 1995.

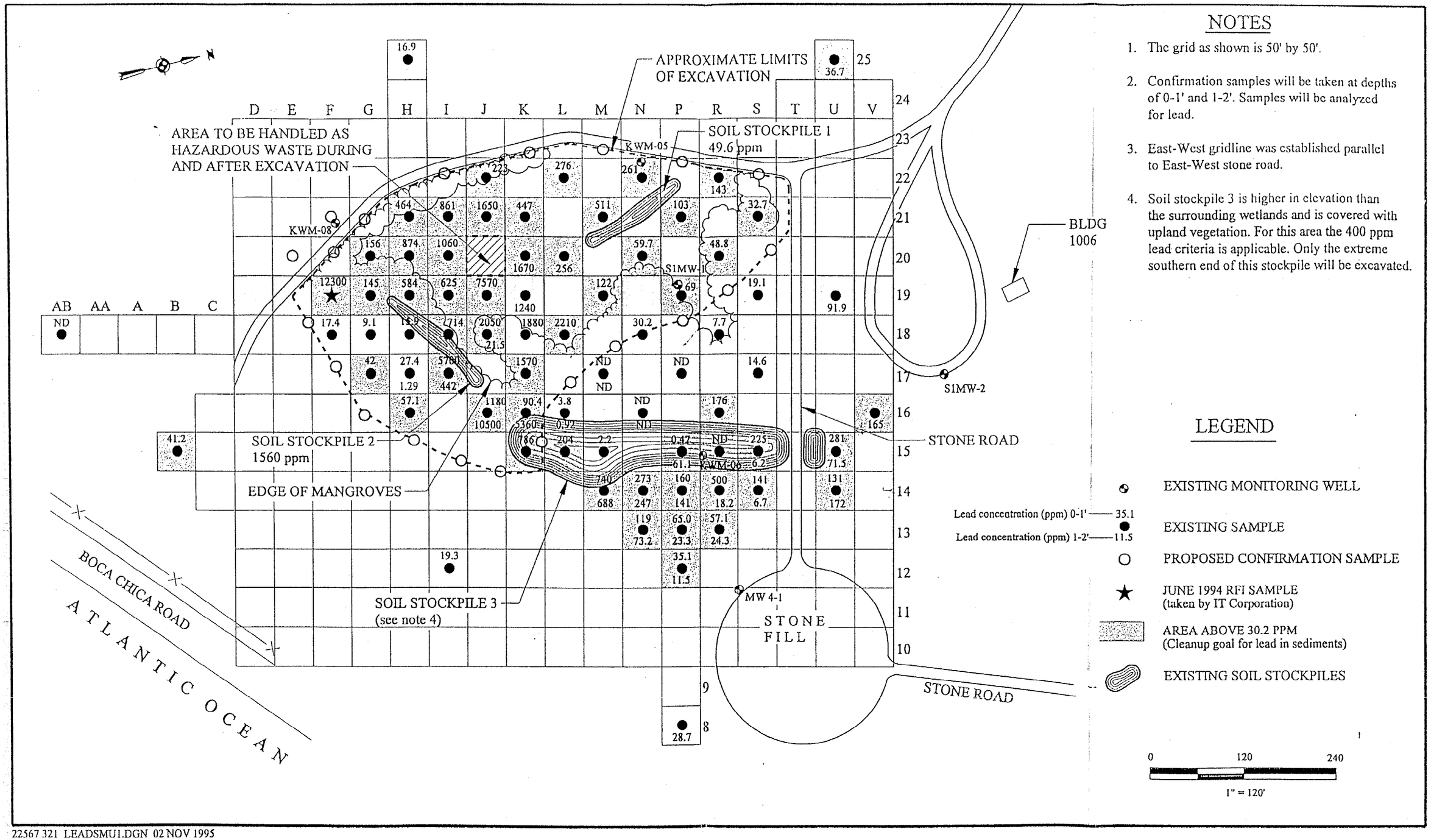
ND - Not Detected

J - A "J" indicates that the value is estimated, the detected concentration is above the detection limit, but below the reporting limit

The Shaded boxes indicate detected concentrations above the standard.

*TCLP analysis included. Results were below TCLP limits for all metals.

ppm=parts per million



22567 321 LEADSMU1.DGN 02 NOV 1995

Figure 3
SWMU-1 Boca Chica Open Disposal Area
Delineation Sampling Results

TABLE 3
AOC-B Sediment Confirmation Samples
Laboratory Analysis Results in ppm

PARAMETER	STANDARD[1] mg/kg	Sample ID Location, Depth(ft)						
		KW02799	KW02800	KW02801	KW02802	KW02803	KW02804	KW02805
ALUMINUM	NA	2770	4230	3920	2880	3340	3480	2990
ANTIMONY	NA	3.1	11.2	1.2	0.71	2.5	0.56	0.43
ARSENIC	7.24	4.8	22.9	6.6	7.6	10.1	2.3	2.6
BARIUM	NA	25.9	131	19.7	22.9	213	13.6	13.4
BERYLLIUM	NA	0.09	0.13	0.07	0.07	0.08	0.08	0.07
CADMIUM	0.68	0.74	8.8	1.5	3.6	3.3	0.82	1
CALCIUM	NA	260000	126000	182000	278000	195000	311000	287000
CHROMIUM	52.3	56.9	121	18.6	21.9	79.6	25.6	9.1
COBALT	NA	1.1	9.7	7.8	3.4	3.1	0.86	0.97
COPPER	18.7	40.6	420	416	49.2	107	22.2	29.4
IRON	NA	16800	116000	18900	50300	49400	6500	9310
LEAD	30.2	165	302	33.8	12.4	37.9	9.6	12.9
MAGNESIUM	NA	14300	10800	6970	12700	13300	16100	13900
MANGANESE	NA	65	388	69.7	129	168	46.8	45.4
MECURY	0.13	0.11	1.2	0.04	0.04	0.09	0.03	0.03
NICKEL	15.9	23.6	151	37.6	123	57.7	13.6	7.9
POTASSIUM	NA	1690	2260	1240	1360	1650	1300	1210
SELENIUM	NA	ND	ND	ND	1.7	ND	ND	ND
SILVER	0.73	ND	ND	ND	ND	ND	ND	ND
SODIUM	NA	29800	43300	21700	24900	29500	19300	18200
THALLIUM	NA	ND	0.33	0.24	ND	ND	0.21	ND
VANADIUM	NA	9.3	19.4	8.9	8.9	12.6	8.1	7.7
ZINC	124	258	3680	1140	2380	2280	210	241

[1]Sediment Criteria based on FDEP's "Approach to the Assessment of Sediment Quality in FLorida's Costal Waters"

ND - Not Detected

J - A "J" indicates that the value is estimated, the detected concentration is above the detection limit, *but below the reporting limit*

The Shaded boxes indicate detected concentrations above the standard.

ppm=parts per million

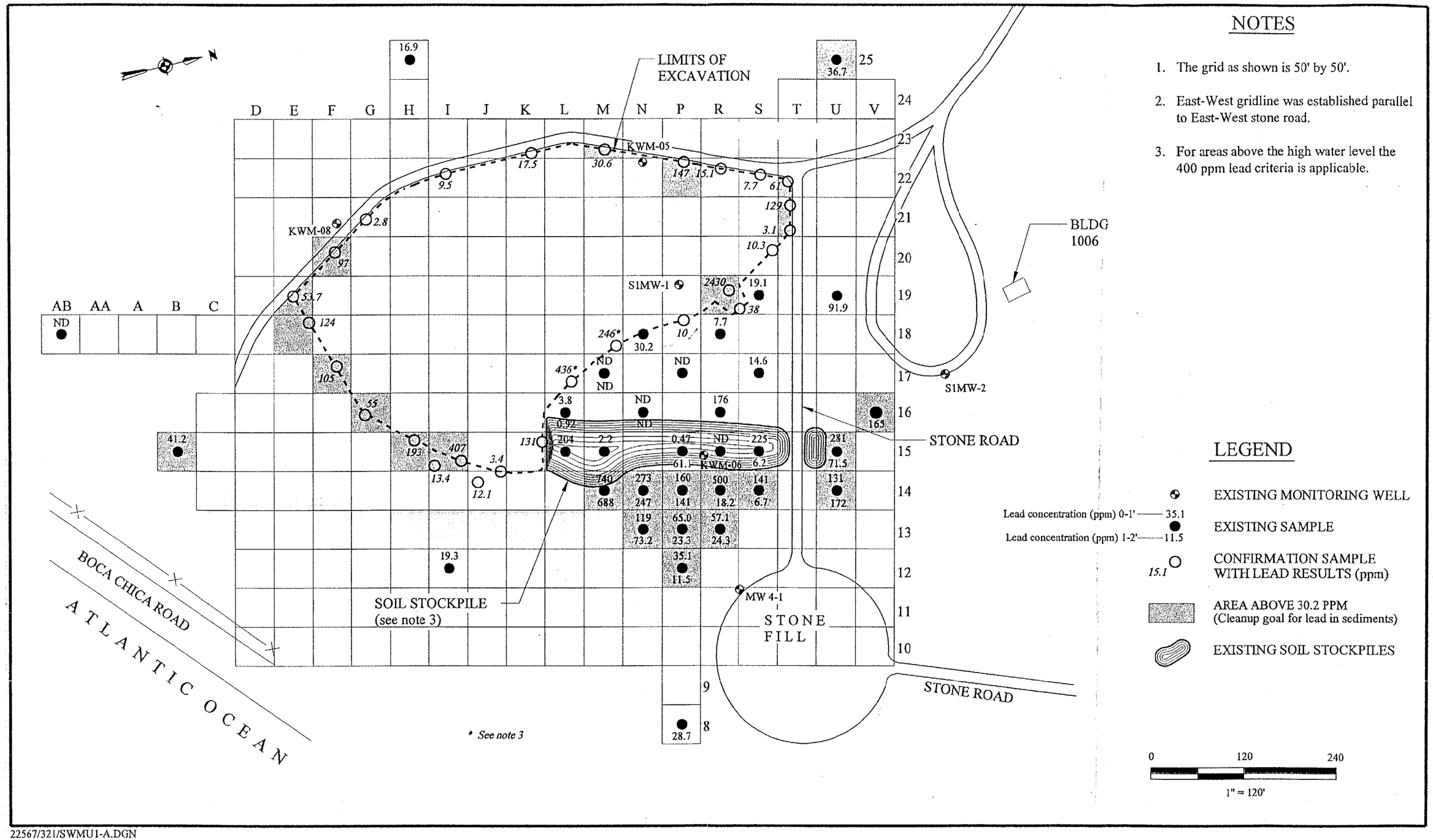


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Figure 4
SWMU-1 Boca Chica Open Disposal Area
Confirmation Sampling Results

Table 4
SWMU-1 Delineation Sampling Results*

SAMPLE ID	STATION ID	DEPTH	Sample Results	Comments
2330	J21	0-2"	Pb - 1650 ppm	
2332	L22	0-3"	Pb - 276 ppm	
2333	J22	0-4"	Pb - 223 ppm	
2334	K21	0-2"	Pb - 447 ppm	
2335	J19	0-8"	Pb - 7570 ppm	
2336	K20	0-4"	Pb - 1670 ppm	
2337	L20	0-6"	Pb - 256 ppm	
2338	K19	0-6"	Pb - 1240 ppm	
2339	J18	0-12"	Pb - 2050 ppm	
2340	J18	12-14"	Pb - 21.5 ppm	
2341	K18	0-8"	Pb - 1880 ppm	
2342	L18	0-6"	Pb - 2210 ppm	
2343	M21	0-6"	Pb - 511 ppm	
2344	I21	0-1"	Pb - 861 ppm	
2345	H21	0-4"	Pb -464 ppm	
2346	I20	0-3"	Pb - 1060 ppm	
2347	H20	0-2"	Pb - 874 ppm	
2348	I19	0-8"	Pb - 625 ppm	
2349	H19	0-5"	Pb - 584 ppm	
2350	I18	0-12"	Pb - 714 ppm	
2352	M19	0-6"	Pb - 112 ppm	
2353	N20	0-6"	Pb - 59.7 ppm	
2354	H18	0-10"	Pb - 12.7 ppm	
2355	H18	0-10"	Pb -15.9 ppm	Duplicate for 2354
2356	P21	0-4"	Pb - 103 ppm	
2357	P19	0-6"	Pb - 69 ppm	
2358	R22	0-3"	Pb - 143 ppm	
2359	N22	0-3"	Pb - 216 ppm	
2360	H17	0-12"	Pb - 27.4 ppm	
2361	H17	12-20"	Pb - 1.3 ppm	
2362	H16	0-12"	Pb - 57.1 ppm	
2363	I17	0-12"	Pb - 5700 ppm	
2364	I17	12-24"	Pb - 442 ppm	
2365	G17	0-8"	Pb - 42 ppm	
2366	G18	0-8"	Pb - 9.1 ppm	
2367	J16	0-12"	Pb - 1180 ppm	
2368	J16	12-24"	Pb - 10500 ppm	
2369	K16	0-12"	Pb - 90.4 ppm	
2370	K16	12-24"	Pb - 5360 ppm	
2371	K15	0-12"	Pb - 786 ppm	
2372	K15	0-12"	Pb - 757 ppm	Duplicate for 2371
2373	G20	0-4"	Pb - 156 ppm	
2374	G19	0-6"	Pb - 145 ppm	
2375	R15	0-8"	Pb - ND**	
2376	R16	0-12"	Pb - 176 ppm	
2378	S21	0-3"	Pb - 32.7 ppm	
2379	S19	0-12"	Pb - 19.1 ppm	

Table 4
SWMU-1 Delineation Sampling Results*

SAMPLE ID	STATION ID	DEPTH	Sample Results	Comments
2380	R18	0-5"	Pb - 7.7 ppm	
2381	M14	0-12"	Pb - 740 ppm	
2382	M14	12-24"	Pb - 688 ppm	
2383	M15	0-12"	Pb - 2.2 ppm	
2384	L16	0-12"	Pb - 3.8 ppm	
2385	L16	12-18"	Pb - 0.92 ppm	
2386	K17	0-12"	Pb - 1570 ppm	
2387	F18	0-12"	Pb - 17.4 ppm	
2388	U14	0-12"	Pb - 131 ppm	
2389	U14	12-24"	Pb - 172 ppm	
2390	L15	0-6"	Pb - 204 ppm	
2391	U15	0-12"	Pb - 281 ppm	
2392	U15	12-24"	Pb - 71.5 ppm	
2393	P17	0-10"	Pb - ND	
2394	S14	0-12"	Pb - 141 ppm	
2395	S14	12-24"	Pb - 6.7 ppm	
2396	N18	0-12"	Pb - 30.2 ppm	
2397	M17	0-12"	Pb - ND	
2398	M17	12-24"	Pb - ND	
2399	P12	0-12"	Pb - 35.1 ppm	
2400	P12	12-24"	Pb - 11.5 ppm	
2401	N13	0-12"	Pb - 119 ppm	
2402	N13	0-12"	Pb -106 ppm	Duplicate for 2401
2403	N13	12-24"	Pb - 73.2 ppm	
2405	P13	0-12"	Pb - 65 ppm	
2406	P13	12-24"	Pb - 23.3 ppm	
2407	R13	0-12"	Pb - 57.1 ppm	
2408	R13	12-24"	Pb - 24.3 ppm	
2409	N14	0-12"	Pb - 273 ppm	
2410	N14	12-24"	Pb - 247 ppm	
2411	R14	0-12"	Pb - 500 ppm	
2412	R14	12-24"	Pb - 18.2 ppm	
2413	P14	0-12"	Pb - 160 ppm	
2414	P14	12-24"	Pb - 141 ppm	
2415	S15	0-12"	Pb - 225 ppm	
2416	S15	12-24"	Pb - 5.0 ppm	
2417	S15	12-24"	Pb - 6.2 ppm	Duplicate for 2416
2418	P15	0-12"	Pb - 0.47 ppm	
2419	P15	12-24"	Pb - 61.1 ppm	
2421	N16	0-12"	Pb - ND	
2422	N16	12-24"	Pb - ND	
2423	S17	0-4"	Pb - 14.6 ppm	
2424	R20	0-4"	Pb - 48.8 ppm	
2425	Berm 1		Pb - 49.6 ppm	Composite 5@20&100'
2426	Berm 2		Pb - 1560 ppm	Composite 2@20&180'

Table 4
SWMU-1 Delineation Sampling Results*

SAMPLE ID	STATION ID	DEPTH	Sample Results	Comments
256102	U25 (S1SB-7)	0-12"	Pb - 36.7 ppm	
256202	U19 (S1SB-8)	0-12"	Pb - 91.9 ppm	
256302	V16 (S1SB9)	0-12"	Pb - 165 ppm	
256402	H25 (S1SB-6)	0-2"	Pb - 15.7 ppm	
256502	H25 (S1SB-6)	0-2"	Pb - 16.9 ppm	Duplicate of 256402
256902	AB18 (S1SS-7SD)	0-4"	Pb - ND	
257103	B15 (S1SS-6SD)	0-4"	Pb- 41.2 ppm	
257302	B15 (S1SS-6SD)	0-4"	Pb - 38.4 ppm	Duplicate for 257102
257502	P8 (S1SS-4SD)	0-4"	Pb - 28.7 ppm	

* These samples were collected before the remedial actions at SWMU-1 were implemented
** ND is a non-detection.

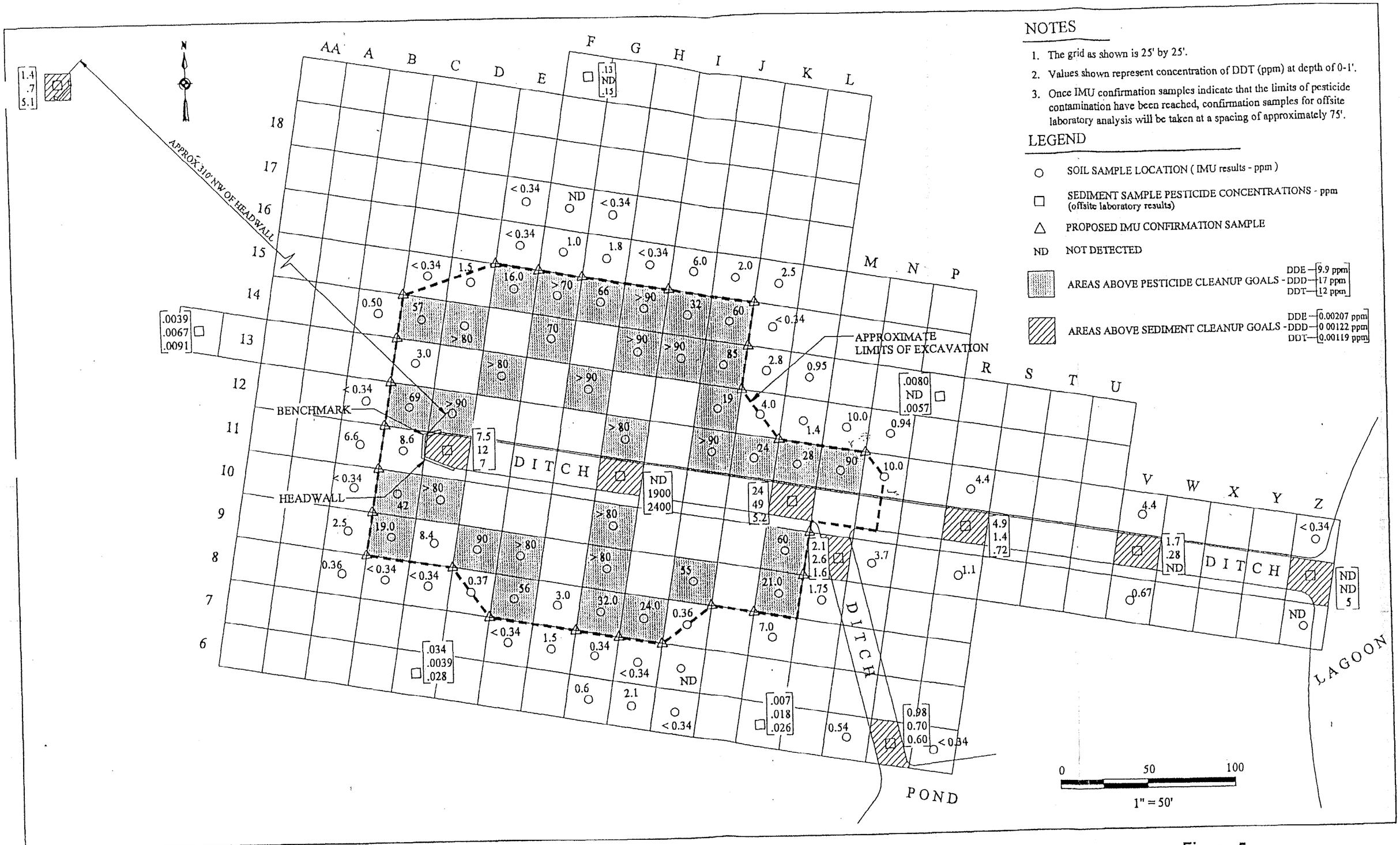

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Figure 5
SWMU-2 Boca Chica DDT Mixing Area
Delineation Sampling Results

Table 5
SWMU - 1 Confirmation Sampling Results*

SAMPLE ID	STATION ID	DEPTH	Sample Results	Comments
2807	T21	Sidewall Sample	Pb - 129 ppm	
2808	T22	Sidewall Sample	Pb - 61 ppm	
2809	T22	Sidewall Sample	Pb - 3.1 ppm	
2810	S22	Sidewall Sample	Pb - 7.7 ppm	
2811	R22	Sidewall Sample	Pb - 15.1 ppm	
2812	P22	Sidewall Sample	Pb - 147 ppm	
2813	M23	Sidewall Sample	Pb - 30.6 ppm	
2814	K23	Sidewall Sample	Pb - 17.5 ppm	
2815	S30	Sidewall Sample	Pb - 10.3 ppm	
2816	R19	Sidewall Sample	Pb - 2430 ppm	The Excavation in this area was extended.
2817	P18	Sidewall Sample	Pb - 10 ppm	
2818	P19	Bottom Sample	Pb - 20.1 ppm	
2820	I22	Sidewall Sample	Pb - 9.5 ppm	
2821		Sidewall Sample	Pb - 8.7 ppm	Duplicate of 2820
2822	G21	Sidewall Sample	Pb - 2.8 ppm	
2823	F20	Sidewall Sample	Pb - 97 ppm	
2826	E19	Sidewall Sample	Pb - 53.7 ppm	
2827	E18	Sidewall Sample	Pb - 124 ppm	
2828	F17	Sidewall Sample	Pb - 105 ppm	
2829	G16	Sidewall Sample	Pb - 55 ppm	
2830	M18	Sidewall Sample	Pb - 225 ppm	
2831	M18	Sidewall Sample	Pb - 246 ppm	Duplicate of 2831
2832	L17	Sidewall Sample	Pb - 436 ppm	
2833	K15	Sidewall Sample	Pb - 131 ppm	
2834	J15	Sidewall Sample	Pb - 3.4 ppm	
2835	I15	Sidewall Sample	Pb - 407 ppm	
2836	H15	Sidewall Sample	Pb - 193 ppm	
2839	J14	0-6"	Pb - 12.1 ppm	
2841	I14	0-6"	Pb - 13.4 ppm	
2842	S19	Sidewall Sample	Pb - 38 ppm	

* These samples were collected after the remedial actions at SWMU-1 were implemented

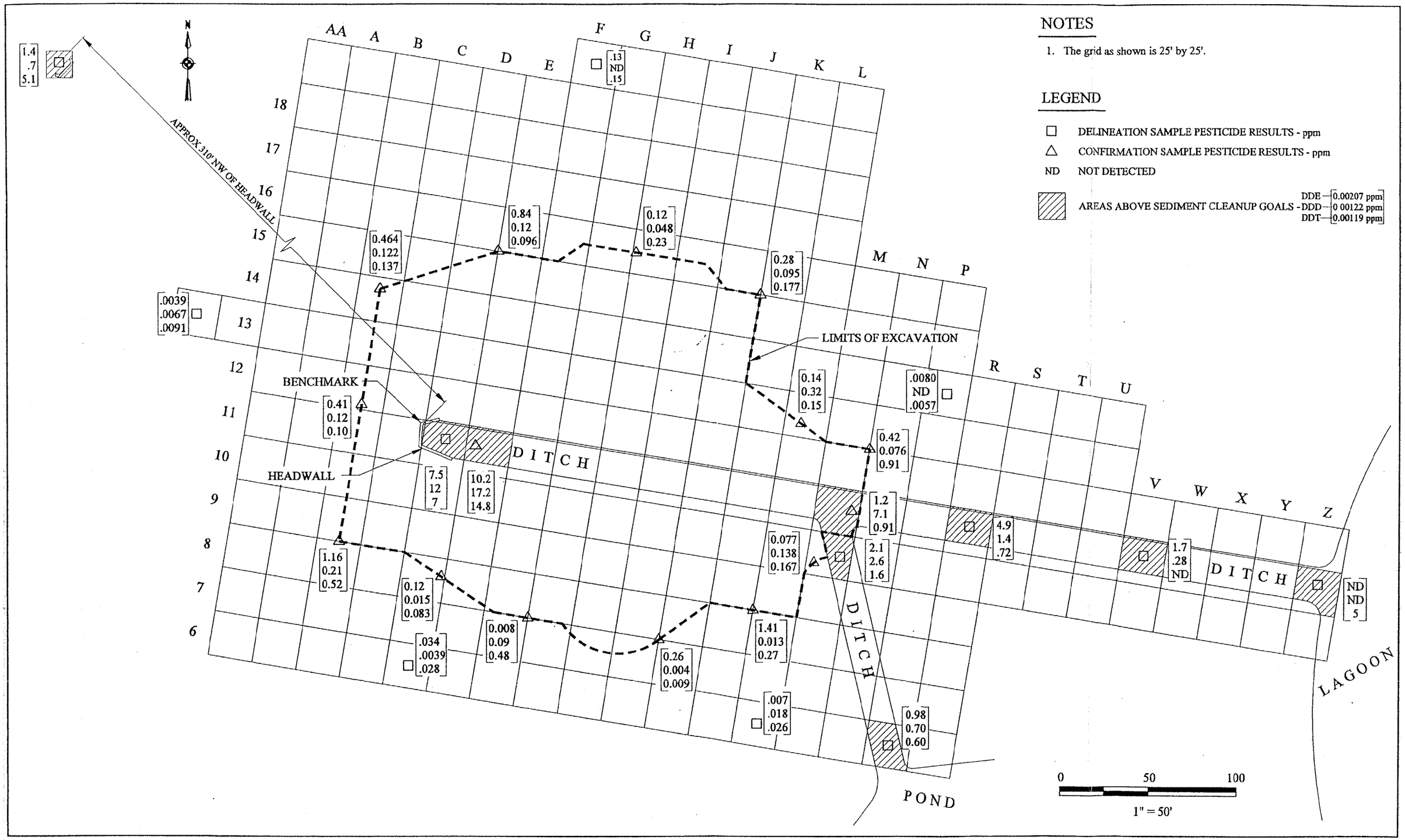

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Figure 6
SWMU-2 Boca Chica DDT Mixing Area
Confirmation Sampling Results

Table 6
SWMU-2 Delineation Sample Results
Soils and Sediments

Sample ID	Location/Depth	IMU Test Kit Results Total Pesticides (ppm)	Offsite Laboratory Results (ppm)			Comments
			DDE	DDD	DDT	
2427	C12, 0-6"	69	-	-	-	
2428	C13, 0-5"	3.0	-	-	-	
2431	C14, 0-5"	50	-	-	-	
2432	C14, 0-5"	57	-	-	-	Duplicate of 2431
2433	C15, 0-5"	< 0.34	-	-	-	
2434	E17, 0-5"	< 0.34	-	-	-	
2435	C11, 0-12"	3.1	-	-	-	
2436	C11, 0-12"	3.5	-	-	-	Duplicate of 2435
2437	C11, 12-20"	8.6	-	-	-	
2438	F17, 0-11"	ND*	-	-	-	
2439	G17, 0-6"	< 0.34	-	-	-	
2440	K13, 0-10"	4.0	-	-	-	
2441	K12, 0-8"	24	-	-	-	
2442	G16, 0-6"	1.8	-	-	-	
2443	E-16, 0-10"	< 0.34	-	-	-	
2444	E15, 0-4"	16	7.6	ND	15.0	
2445	G15, 0-12"	66	-	-	-	
2447	V11, 0-12"	-	1.7	0.28	ND	Sediment Sample
2449	R11, 0-12"	-	4.9	1.4	0.72	Sediment Sample
2450	I15, 0-11"	32	-	-	-	
2451	B14, 0-6"	0.5	-	-	-	
2452	J14, 0-12"	85	-	-	-	
2453	J14, 12-16"	75	-	-	-	
2455	L11, 0-12"	-	24	49	5.2	Sediment Sample
2456	D15, 0-6"	1.5	-	-	-	
2457	D15, 0-6"	1.2	-	-	-	Duplicate of 2456
2458	B12, 0-4"	< 0.34	-	-	-	
2459	L12, 0-10"	28	2.4	1.0	0.35	
2460	I14, 0-4"	> 90	-	-	-	
2471	Z12, 0-4"	< 0.34	-	-	-	
2472	F14, 0-8"	70	-	-	-	
2473	H16, 0-8"	< 0.34	-	-	-	
2474	V12, 0-6"	4.4	-	-	-	
2475	E13, 0-8"	> 80	-	-	-	

Table 6
SWMU-2 Delineation Sample Results
Soils and Sediments

Sample ID	Location/Depth	IMU Test Kit Results Total Pesticides (ppm)	Offsite Laboratory Results (ppm)			Comments
			DDE	DDD	DDT	
2476	R12, 0-8"	4.4	-	-	-	
2477	I16, 0-12"	6.0	-	-	-	
2478	H12, 0-6"	> 80	-	-	-	
2479	M12, 0-12"	90	-	-	-	
2480	D14, 0-6"	> 80	-	-	-	
2481	J16, 0-10"	2.0	-	-	-	
2482	N12, 0-12"	10	-	-	-	
2483	D10, 0-5"	> 80	-	-	-	
2484	H10, 0-12"	> 80	-	-	-	
2485	L10, 0-12"	60	-	-	-	
2486	J15, 0-8"	60	-	-	-	
2487	H14, 0-12"	> 90	-	-	-	
2488	K15, 0-8"	< 0.34	-	-	-	
2489	K14, 0-8"	2.8	-	-	-	
2490	M13, 0-12"	10.0	-	-	-	
2491	L13, 0-4"	1.4	-	-	-	
2492	L14, 0-6"	0.8	-	-	-	
2493	L14, 0-6"	0.95	-	-	-	Duplicate of 2492
2495	D12, 0-11"	> 90	-	-	-	
2496	J12, 0-12"	> 90	200	180	830	
2497	G13, 0-12"	> 90	-	-	-	
2498	J13, 0-12"	19	2.4	ND	22	
2499	Z10, 0-12"	ND	-	-	-	
2500	V10, 0-5"	0.67	-	-	-	
2501	R10, 0-12"	1.1	-	-	-	
2502	D8, 0-8"	< 0.34	-	-	-	
2503	D9, 0-8"	8.4	-	-	-	
2504	F9, 0-12"	> 80	-	-	-	
2505	H9, 0-8"	> 80	-	-	-	
2506	J9, 0-8"	55	-	-	-	
2507	L9, 0-12"	21	7.8	6.9	41	
2508	L8, 0-8"	7.0	-	-	-	
2509	F8, 0-12"	56	-	-	-	
2510	H8, 0- 12"	32	-	-	-	

Table 6
SWMU-2 Delineation Sample Results
Soils and Sediments

Sample ID	Location/Depth	IMU Test Kit Results Total Pesticides (ppm)	Offsite Laboratory Results (ppm)			Comments
			DDE	DDD	DDT	
2511	F15, 0-4"	> 70	-	-	-	
2512	C9, 0-8"	19	0.63	ND	3.5	
2513	J8, 0-12"	0.36	-	-	-	
2514	F16, 0-4"	1.0	-	-	-	
2515	F16, 0-4"	0.97	-	-	-	Duplicate of 2514
2516	N13, 0-6"	0.94	-	-	-	
2517	K16, 0-4"	2.5	-	-	-	
2520	C8, 0-10"	< 0.34	-	-	-	
2521	B8, 0-11"	0.36	-	-	-	
2522	H15, 0-6"	> 90	-	-	-	
2523	B9, 0-12"	2.5	-	-	-	
2524	F7, 0-12"	< 0.34	-	-	-	
2525	F7, 12-22"	< 0.34	-	-	-	
2526	G7, 0-12"	< 0.34	-	-	-	
2527	G7, 12-18"	1.5	-	-	-	
2528	H7, 0-12"	0.34	-	-	-	
2529	H7, 12-21"	< 0.34	-	-	-	
2530	I8, 0-10"	24	1.1	ND	0.62	
2531	M9, 0-12"	1.75	-	-	-	
2532	G8, 0-8"	3.0	-	-	-	
2533	E8, 0-10"	0.37	-	-	-	
2534	E9, 0-9"	90	-	-	-	
2535	B11, 0-8"	6.6	-	-	-	
2536	B10, 0-12"	< 0.34	-	-	-	
2537	I7, 0-12"	< 0.34	-	-	-	
2538	M10, 0-12"	-	2.1	2.6	1.6	Sediment Sample
2539	J7, 0-12"	ND	-	-	-	
2540	I6, 0-12"	2.1	-	-	-	
2541	N10, 0-12"	3.7	-	-	-	
2542	H6, 0-8"	0.6	-	-	-	
2543	P6, 0-12"	-	0.98	0.70	0.60	Sediment Sample
2544	R6, 0-6"	< 0.34	-	-	-	
2545	N6, 0-10"	0.54	-	-	-	
2546	J6, 0-10"	< 0.34	-	-	-	

Table 6
SWMU-2 Delineation Sample Results
Soils and Sediments

Sample ID	Location/Depth	IMU Test Kit Results Total Pesticides (ppm)	Offsite Laboratory Results (ppm)			Comments
			DDE	DDD	DDT	
2547	C10, 0-12"	42	6.4	9.3	22	
2581	Z11, 0-12"	-	ND	ND	5.0	Sediment Sample
2585	H11, 0-12"	-	ND	1100	1000	Sediment Sample
2587	H11, 0-12"	-	ND	1900	2400	Duplicate of 2585
2589	D11, 0-12"	-	7.5	12.0	7.0	Sediment Sample
2590	Off Grid Surface Soil	-	ND	ND	ND	
2591	Off Grid Sediment Sample	-	1.4	0.7	5.1	Sediment Sample
2592	AC13, 0-8"	-	0.0039	0.0067	0.0091	
2593	F20, 0-8"	-	0.130	ND	0.150	
2494	P14, 0-8"	-	0.008	ND	0.0057	
2495	P14, 0-8"	-	0.0083	ND	0.0042	Duplicate of 2594
2496	L6, 0-12"	-	0.007	0.018	0.026	
2497	D6, 0-12"	-	0.034	0.0039	0.028	

* ND - Not Detected

Table 7
SWMU-2 Delineation Sample Results
Surface Water

Sample ID	Location	Laboratory Results (ppb)			Comments
		DDE	DDD	DDT	
2580	Z11	ND	ND	ND	
2584	H11	ND	1.4	0.2	
2586	H11	ND	1.5	0.46	Duplicate of 2584
2588	D11	ND	0.5	ND	
2590	Off Grid	ND	ND	ND	This sample was taken across the taxiway at the end of the culvert from the SWMU-2 Ditch

* ND - Not Detected

Table 8
SWMU-2 Surface Water Sample Results
During Treatment

Sample ID	Location	Hours of Operation of Treatment System	Laboratory Results (ppb)						
			alpha-BHC	beta-BHC	g-BHC (Lindane)	d-BHC	DDE	DDD	DDT
2840	Center of Ditch	0	1.5	0.42	0.05	0.14	0.38	17	0.91
2843	Center of Ditch	48	ND*	ND	ND	ND	ND	2.3	ND
2844	Discharge Hose	48	ND	ND	ND	ND	ND	0.81	ND
2847	Center of Ditch	64	0.12	0.07	ND	ND	ND	3.4	0.1
2854	Center of Ditch	112	ND	ND	ND	ND	ND	0.9	ND
2855	Discharge Hose	112	ND	ND	ND	ND	ND	0.3	ND

* ND - Not Detected

Table 9
SWMU-2 Confirmation Sampling Results for Soils in PPM

PARAMETER	STANDARD[1] ppm	SAMPLE ID/LOCATION						
		KW02849 M10	KW02850 K9	KW02851 D16	KW02852 M13	KW02853 J15	KW02856 L13	KW02857 I8
alpha-BHC	0.5	ND	ND	ND	ND	ND	ND	ND
beta -BHC	2.3	ND	ND	0.0016	ND	ND	ND	ND
delta-BHC	460	0.0024	ND	ND	ND	ND	ND	ND
Lindane	2.6	0.001	0.001	ND	ND	ND	ND	ND
Heptachlor	0.4	ND	ND	ND	ND	ND	ND	ND
Aldrin	0.2	0.0012 P	0.00077JP	ND	ND	ND	ND	ND
Heptachlor epoxide	0.3	ND	0.0063 P	ND	ND	ND	ND	ND
Endosulfan I	4400	0.0017 P	0.0011 P	ND	ND	0.0023 P	ND	ND
Dieldrin	0.3	0.0114 P	ND	ND	ND	ND	ND	ND
4,4'-DDE	9.9	0.0773 D	1.41 JPD	0.838 P	0.421 JPD	0.286 D	0.137 JPD	0.266 D
Endrin	450	ND	0.0027 P	ND	ND	0.0025 P	ND	ND
Endosulfan II	4400	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	17	0.138 DP	0.0132 P	0.118 JD	0.076 JPD	0.0953 JPD	0.316 D	0.0042 P
Endosulfan Sulfate	NA	0.0078 P	0.003 P	ND	ND	ND	ND	ND
4,4'-DDT	12	0.167 D	0.273 JPD	0.0964 JP	0.907 JPD	0.177 D	0.150 JPD	0.0086
Methoxychlor	7500	ND	0.0087 JP	ND	ND	0.0025 JP	ND	ND
Endrin ketone	NA	ND	0.0033	ND	ND	0.00044 JP	ND	ND
Toxaphene	2.6	0.335 P	0.343 P	ND	ND	ND	ND	0.091 P
gamma-Chlordane	2.8	ND	ND	ND	ND	ND	ND	ND
alpha-Chlordane	2.8	ND	ND	ND	ND	ND	ND	ND

[1] FDEP Industrial Cleanup Goals for Military Sites in Florida dated July, 1995.
ND - not detected
NA - not applicable
J - a "J" indicates that the value is estimated
P - a "P" indicates that the target analyte with >25% difference between the two GC columns
D - a "D" indicates that the value was dervied by dilution
ppm - parts per million

Table 9 con't
SWMU-2 Confirmation Sampling Results
for Soils in PPM (con't)

PARAMETER	STANDARD[1] ppm	SAMPLE ID/LOCATION						
		KW02858 F8	KW02860 H16	KW02861 C8	KW02862 B9	KW02863 B11	KW02864 B15	KW02865 B15
alpha-BHC	0.5	0.00067 JP	ND	ND	0.00083 J	ND	ND	ND
beta -BHC	2.3	ND	ND	ND	0.0020	ND	ND	0.0015
delta-BHC	460	ND	0.00066 J	ND	0.00068 J	ND	ND	ND
Lindane	2.6	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.4	ND	ND	ND	ND	ND	ND	ND
Aldrin	0.2	0.00065 J	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	0.3	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	4400	0.00096 P	ND	0.00091 JD	ND	ND	ND	ND
Dieldrin	0.3	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	9.9	0.008 JDP	0.12	0.12	1.16	0.411	0.155	0.464
Endrin	450	0.0024 P	ND	ND	0.003 P	ND	ND	ND
Endosulfan II	4400	0.0011 JP	ND	ND	ND	ND	ND	ND
4,4'-DDD	17	0.090 JD	0.0483 P	0.0149 JP	0.207 P	0.117 JP	0.0438	0.122
Endosulfan Sulfate	NA	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	12	0.480 D	0.228	0.0834	0.522	0.0998 J	0.039	0.137
Methoxychlor	7500	ND	ND	ND	ND	ND	ND	ND
Endrin ketone	NA	ND	ND	ND	ND	ND	ND	ND
Toxaphene	2.6	ND	ND	ND	ND	ND	ND	ND
gamma-Chlordane	2.8	ND	ND	ND	ND	ND	ND	ND
alpha-Chlordane	2.8	ND	ND	ND	ND	ND	ND	ND

[1] FDEP Industrial Cleanup Goals for Military Sites in Florida dated July, 1995.
ND - not detected
NA - not applicable
J - a "J" indicates that the value is estimated
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ppm - parts per million

Table 10
SWMU-2 Confirmation Sampling Results for Sediments in ppm

PARAMETER	STANDARD[1] ppm	SAMPLE ID/ LOCATION	
		KW02845 M11	KW02846 E11
alpha-BHC	NA	0.0094 JD	ND
beta -BHC	NA	ND	ND
delta-BHC	0.00032	ND	ND
Lindane	NA	ND	ND
Heptachlor	NA	0.0615 PD	ND
Aldrin	NA	ND	ND
Heptachlor epoxide	NA	ND	ND
Endosulfan I	NA	ND	ND
Dieldrin	0.00071	ND	ND
4,4'-DDE	0.0021	1.2 JD	10.2 JPD
Endrin	NA	ND	0.244 JP
Endosulfan I	NA	ND	ND
4,4'-DDD	0.00122	7.12 D	17.2 D
Endosulfan Sulfate	NA	ND	ND
4,4'-DDT	0.00119	1.44 D	14.6 D
Methoxychlor	NA	ND	ND
Endrin Ketone	NA	ND	ND
Toxaphene	NA	ND	ND
Gamma-Chlordane	0.00026	ND	ND
alpha-Chlordane	0.00026	ND	ND

[1] Sediment Criteria based on FDEP's "Approach to the assessment of Sediment Quality in Florida's Coastal Waters" November ,1994

ND - not detected

NA - not applicable

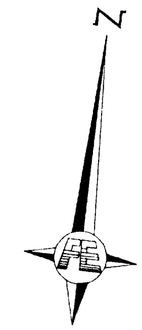
J - a "J" indicates that the value is estimated

P - a "P" indicates that the target analyte with >25% difference between the two GC columns

D - a "D" indicates that the value was derived by dilution

ppm - parts per million

The shaded boxes indicate detected concentrations above the standard.



GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50 ft.

NOTES:
1. THE GRID AS SHOWN IS 50' BY 50'.
2. ELEVATIONS ARE FOR EXISTING GRADES.
x 1.00 INDICATES SPOT WHERE ELEVATION WAS TAKEN.

NAVY RAC PROJECT 22567-32
BECHTEL ID NUMBER:
120-0018-001-01
SC/PO SEQ SHT SUBMTL

ABBREVIATION LEGEND:

F.I.R	FOUND IRON ROD, SIZE INDICATED	SEC.	SECTION
S.I.R.	SET IRON ROD, 1/2" L.B. No. 5408	TWP.	TOWNSHIP
F.I.P.	FOUND IRON PIPE, SIZE INDICATED	RGE.	RANGE
F.N.D.	FOUND NAIL AND DISK	(D)	DEED
S.N.D.	SET NAIL AND DISK, L.B. No. 5408	(P)	PLAT
F.C.M.	FOUND CONCRETE MONUMENT	(M)	MEASURED
P.R.M.	PERMANENT REFERENCE MONUMENT	(C)	CALCULATED
P.C.P.	PERMANENT CONTROL POINT	CONC.	CONCRETE
P.I.	POINT OF INTERSECTION	COV.	COVERED
P.C.	POINT OF CURVE	ASPH.	ASPHALT
P.O.B.	POINT OF BEGINNING	PVMT.	PAVEMENT
R/W	RIGHT-OF-WAY	ELEV.	ELEVATION
TYP.	TYPICAL		
OHW	OVERHEAD WIRE		

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A DIVISION OF MIDDLESEX BUSINESS CORPORATION

CERTIFIED FOR SPECIAL PURPOSE SURVEY
I HEREBY CERTIFY THIS SURVEY MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 61G17-6 FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

SCALE: 1" = 50'	EDWARD C. ELLIOTT, P.L.S. # 3983	DRAWN BY: JVE
DATE: 4/22/96		REVISED

AOC SITE B – BIG COPPITT KEY
ABANDONED CIVILIAN – DISPOSAL AREA

CERTIFIED TO: BECHTEL	JOB NUMBER: 95142.AOC-B