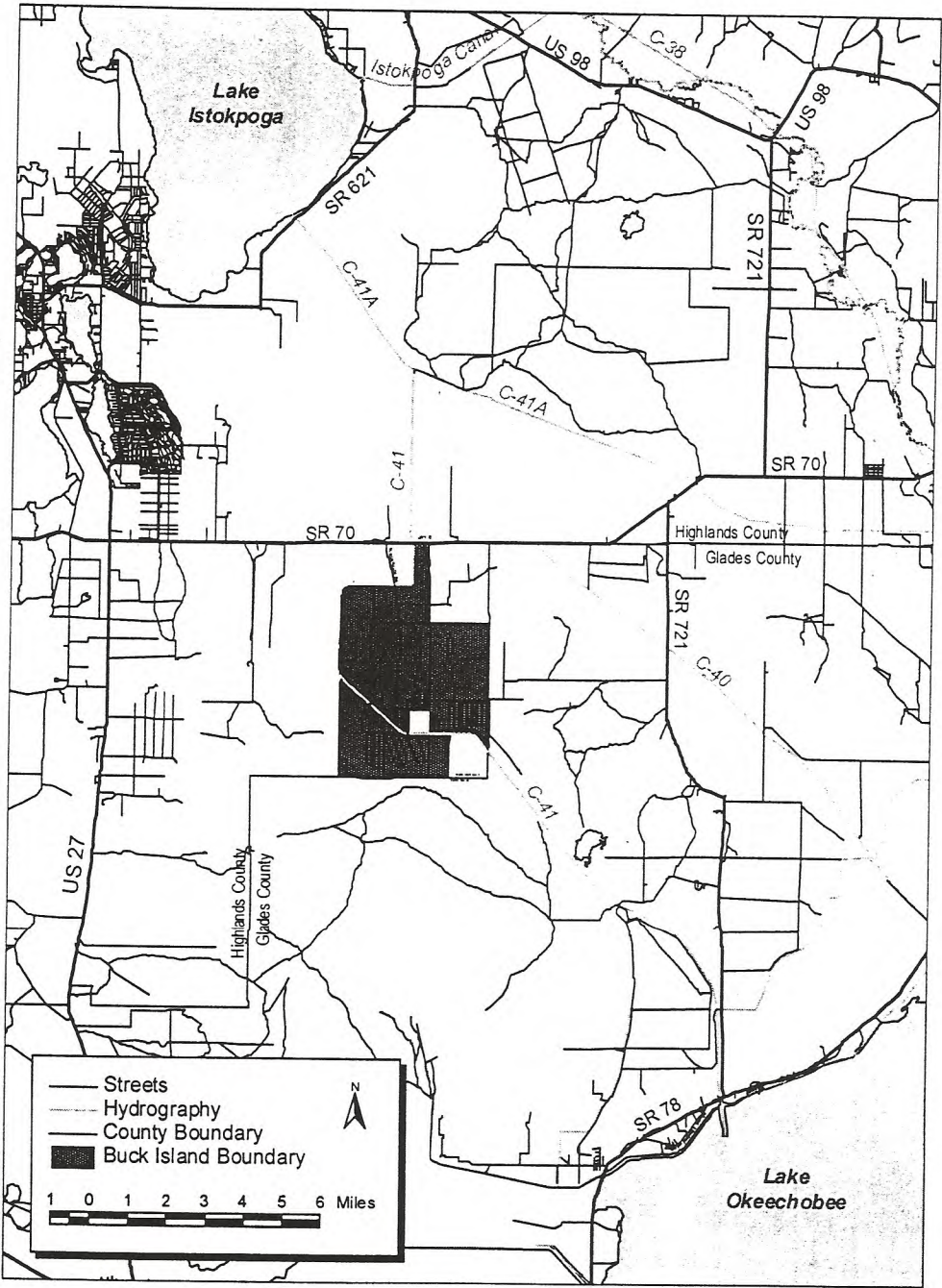
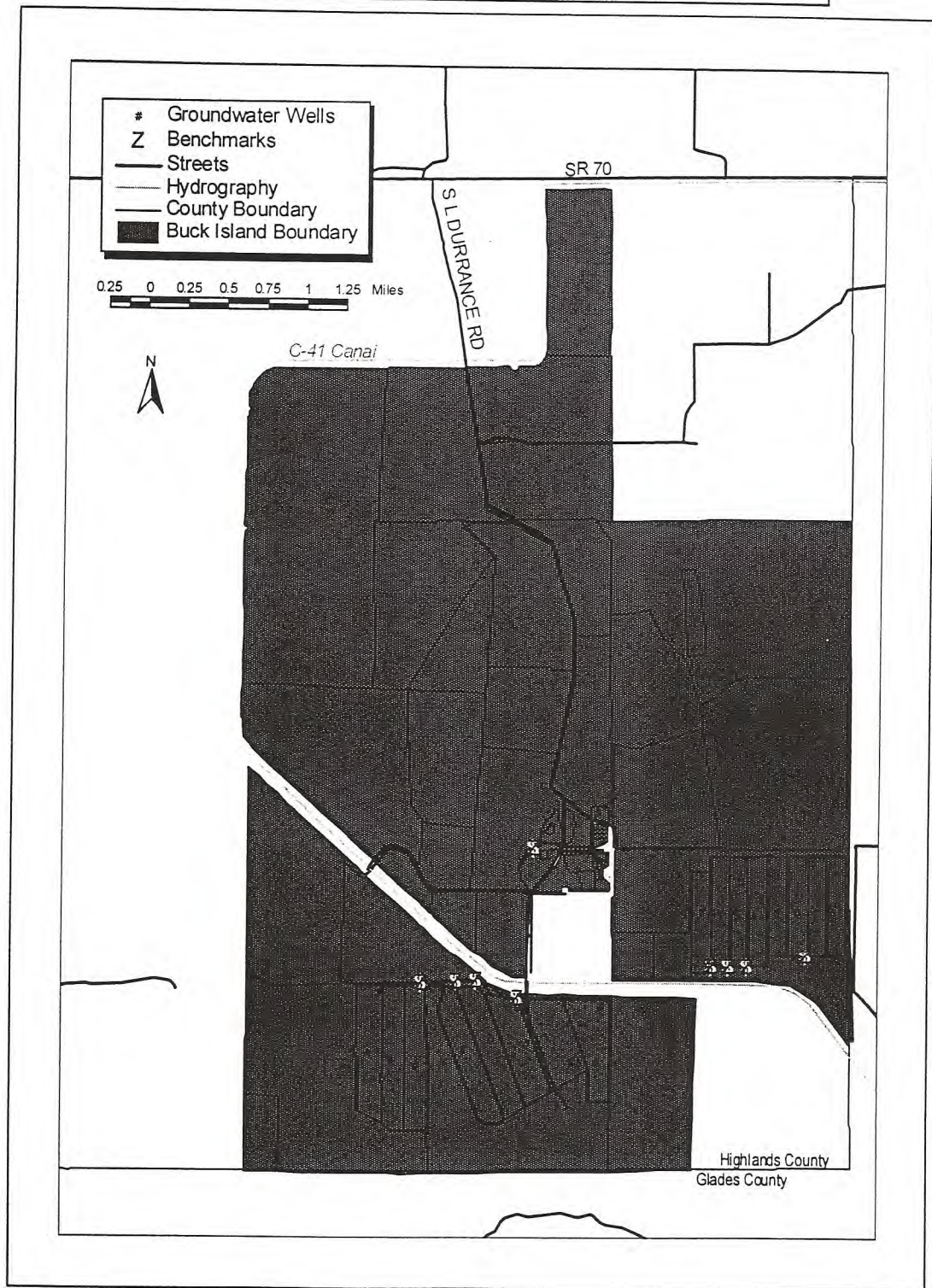


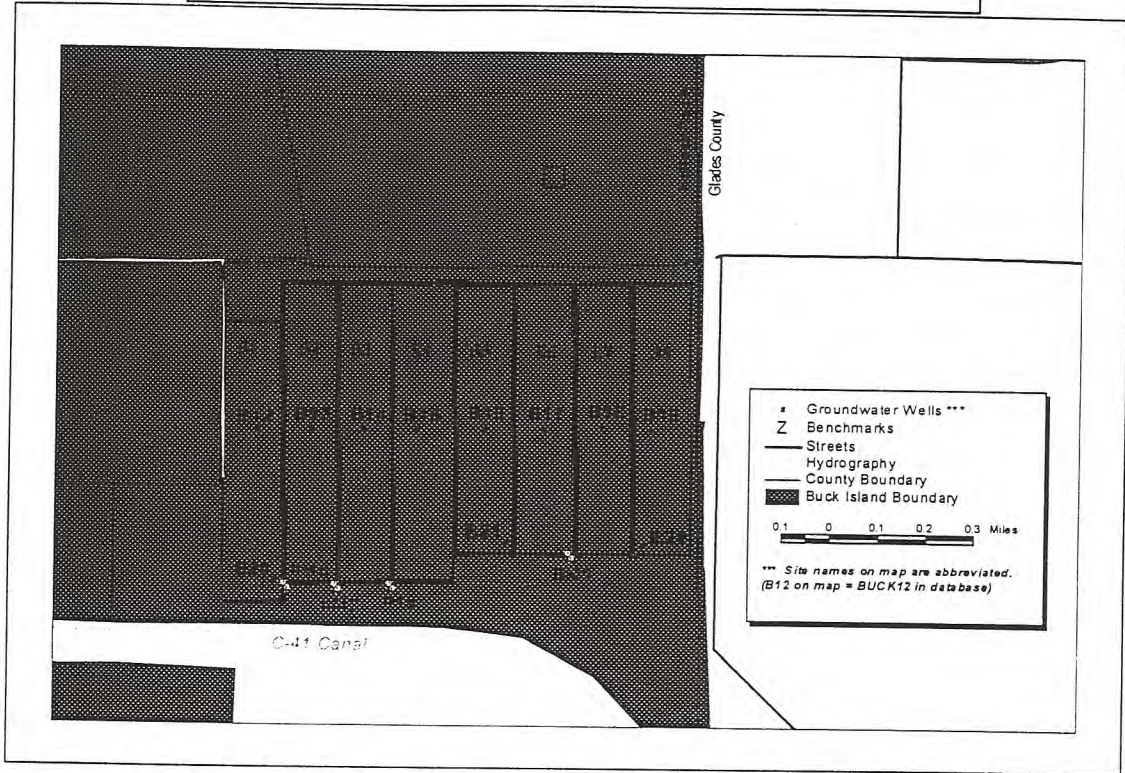
**Attachment A-1**  
**Buck Island/MacArthur-Agro Farm Location**



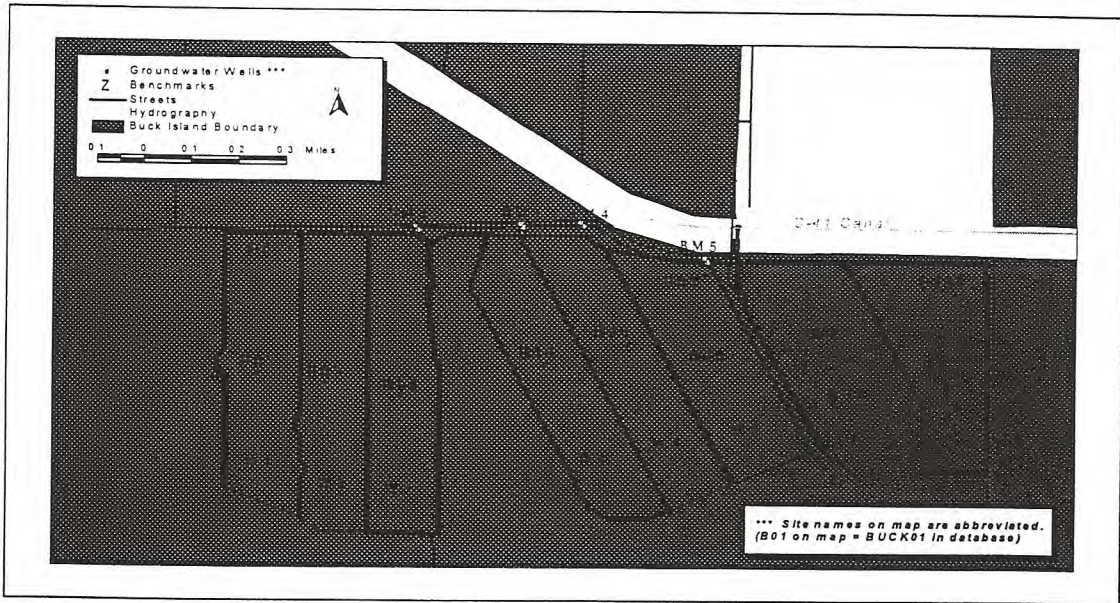
Attachment A-2  
Buck Island/MacArthur-Agro Pasture Locations



Attachment A-4  
 Buck Island/MacArthur-Agro Pasture Locations  
 Pasture Sites BUCK01 thru BUCK22



East Pasture  
 Sites BUCK12 through BUCK22



West Pasture  
 Sites BUCK01 through BUCK11

**Attachment A-5**  
**Buck Island/MacArthur-Agro Site/Bench Marks**  
 GPS and X&Y Coordinates

**Buck Island/MacArthur-Agro Sites**  
 GPS and X & Y Coordinates

SiteName	Pasture	Wellsize	X_sp83	Y_sp83	Lat_83	Lon_83
BUCK01	w1	4 in.	585755	1019050	27 08 13.366 N	81 12 59.393 W
BUCK02	w1	2 in.	585398	1017090	27 07 53.950 N	81 13 03.307 W
BUCK03	w2	2 in.	586145	1016930	27 07 52.378 N	81 12 55.036 W
BUCK04	w3	2 in.	586979	1016730	27 07 50.411 N	81 12 45.801 W
BUCK05	w4	2 in.	588578	1017240	27 07 55.488 N	81 12 28.111 W
BUCK06	w5	2 in.	589490	1017580	27 07 58.870 N	81 12 18.023 W
BUCK07	w6	4 in.	590331	1018600	27 08 08.985 N	81 12 08.732 W
BUCK08	w6	2 in.	590630	1017410	27 07 57.205 N	81 12 05.401 W
BUCK09	w7	2 in.	592165	1016840	27 07 51.584 N	81 11 48.401 W
BUCK10	w8	2 in.	592996	1016850	27 07 51.696 N	81 11 39.203 W
BUCK11	w8	4 in.	593129	1018640	27 08 09.425 N	81 11 37.762 W
BUCK12	s1	2 in.	596494	1021830	27 08 41.066 N	81 11 00.566 W
BUCK13	s2	2 in.	597094	1021840	27 08 41.174 N	81 10 53.924 W
BUCK14	s3	2 in.	597664	1021840	27 08 41.182 N	81 10 47.614 W
BUCK15	s4	2 in.	598268	1021850	27 08 41.290 N	81 10 40.928 W
BUCK16	s5	2 in.	598999	1021860	27 08 41.399 N	81 10 32.836 W
BUCK17	s6	2 in.	599674	1021870	27 08 41.507 N	81 10 25.364 W
BUCK18	s7	2 in.	600303	1021870	27 08 41.516 N	81 10 18.401 W
BUCK19	s8	2 in.	600842	1021860	27 08 41.424 N	81 10 12.434 W
BUCK20	s1	4 in.	596684	1020010	27 08 23.045 N	81 10 58.433 W
BUCK21	s5	4 in.	599256	1020510	27 08 28.033 N	81 10 29.970 W
BUCK22	s8	4 in.	600766	1020490	27 08 27.856 N	81 10 13.254 W

**Buck Island/MacArthur-Agro Bench Marks**  
 GPS and X & Y Coordinates

Benchmrk	Pasture	X_sp83	Y_sp83	Lat_83	Lon_83
BM1	HQ	590853	1023830	27 09 00.788 N	81 12 03.047 W
BM2	w3	587160	1019370	27 08 16.559 N	81 12 43.847 W
BM3	w4	588320	1019420	27 08 17.073 N	81 12 31.007 W
BM4	w5	588987	1019440	27 08 17.282 N	81 12 23.624 W
BM5	w6	590362	1018900	27 08 11.957 N	81 12 08.394 W
BM6	s1	596830	1019950	27 08 22.453 N	81 10 56.816 W
BM7	s3	597394	1019940	27 08 22.362 N	81 10 50.573 W
BM8	s4	597994	1019950	27 08 22.470 N	81 10 43.931 W
BM9	s6	599972	1020340	27 08 26.359 N	81 10 22.041 W


# ATTACHMENT "B"

**NOTES:**

- 1.- LEGS ARE 2" DIA. RIGID, HOT DIPPED GALVANIZED PIPE. HYDRAULICALLY OR MECHANICALLY DRIVEN 3' OR MORE AND SECURED TO PLATFORM WITH A 3/8" SS BOLT IN EACH LEG.
- 2.- SITE ORIENTATION: GENERALLY MOST END SHOULD BE SOUTHERLY, BUT SHOULD POINT TOWARDS FUTURE COMMUNICATION SITE, IF KNOWN.
- 3.- REFER TO SPECIFIC SENSOR CONFIGURATION AND INSTALLATION DRAWINGS FOR DETAILS OF DESICCANT & JUNCTION BOX.
- 4.- EXISTING LARGE BOX BULLET-PROOFING CAN BE USED TO HARDEN SITE FOR GUNFIRE.
- 5.- OPTIONAL, 1/2" STARBOARD AND EITHER ALUMINUM OR HOT-DIPPED GALVANIZED 2' x 1/4" ANGLE CAN BE SUBSTITUTED FOR THE 3/4" PLYWOOD & 2X4 FRAME.

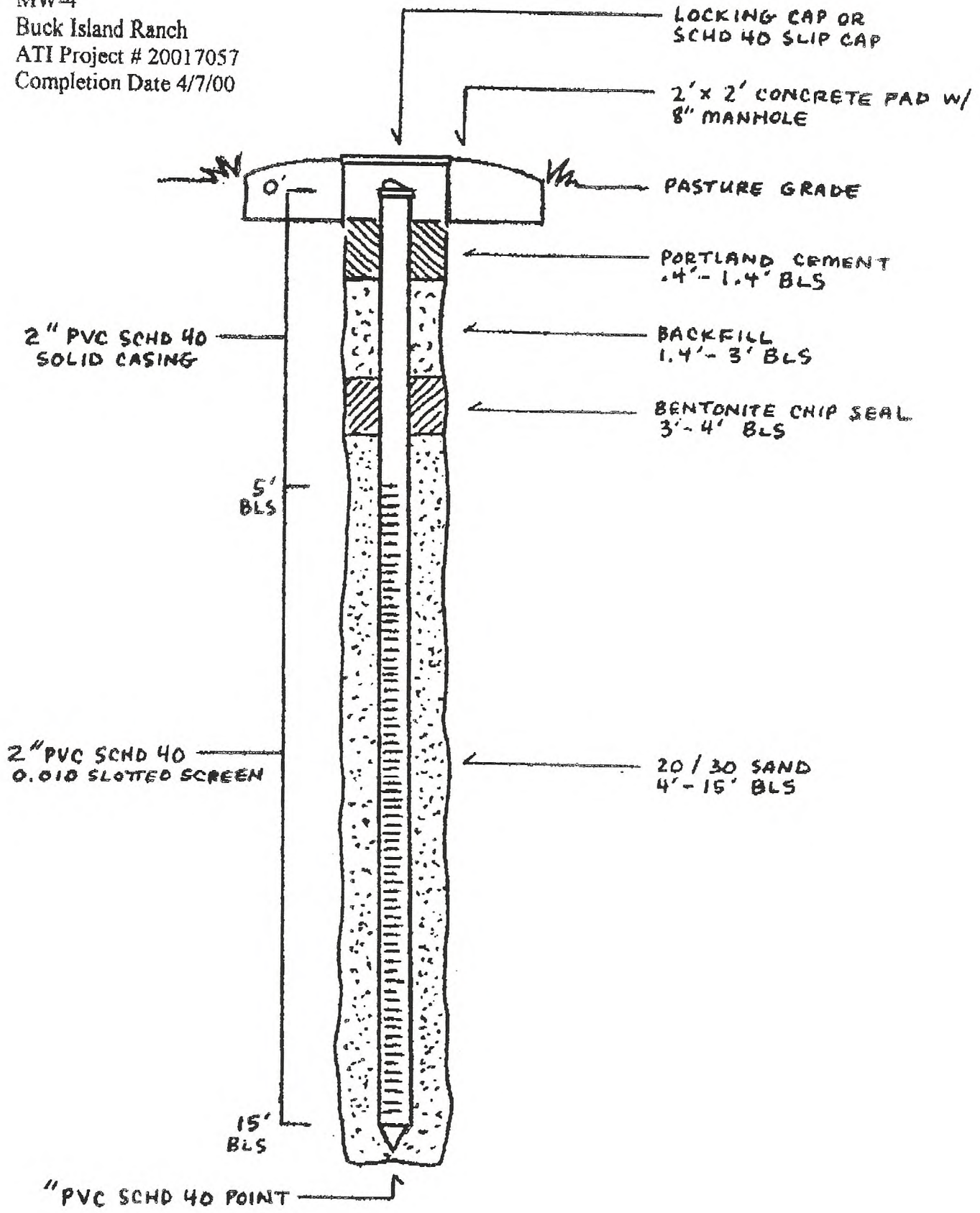
### PLATFORM LAYOUT N1S

## Buck Island Ground Water Monitoring Station

	SOUTH FLORIDA WATER MANAGEMENT DISTRICT	GROUNDWATER LEG SUPPORTED PLATFORM
ENGINEER	V. HERRMANN	
DESIGNER	V. HERRMANN	
CHKD		
DATE	05/08/00	
SCALE	NONE	
PLTSCALE	GV SUPPLT.dwg	
PLTSCALE	NTS	

REV	DATE	REVISION DESCRIPTION	BY	CH	COR	APP	ORG

MW-4  
Buck Island Ranch  
ATI Project # 20017057  
Completion Date 4/7/00





SITE WORKSHEET

Equipment Removed (if applicable): N/A

Benchmark Elevation: 28.55' Date: 9-18-00

Disc Number: \_\_\_\_\_  
Location/Description: 1" Galv Pipe 16" South of Well

Headwater Reference Elevation: \_\_\_\_\_ Date: \_\_\_\_\_  
Location: \_\_\_\_\_

Tailwater Reference Elevation: \_\_\_\_\_ Date: \_\_\_\_\_  
Location: \_\_\_\_\_

Measurable Max/Min Stage: Top of Well 31.51' Bottom of Well 13.24' (HW, STG, GW) (GW)  
Top of Well \_\_\_\_\_ Bottom of Well \_\_\_\_\_ (IW)

Well Platform:  Plywood  Aluminum  Other: \_\_\_\_\_

Power Source (check one):  A/C  Solar  
If solar, complete the following:  
# of Panels 1 Watts 20

Communication Type:  
 R/F (Radio Frequency) *Not Yet Installed* R/F Code \_\_\_\_\_  
 Cellular Telephone Phone # \_\_\_\_\_  
 Land-Line Telephone

ARDAMS Loop:  ENR  Okeechobee  East  Caloosatanchee  
 AEAA  Kissimmee  WXST  Other: \_\_\_\_\_

R/F Access Point:  Yes  No

GIS Staff (initial/date when completed): \_\_\_\_\_  Added  Modified

Site Coverage(s):  Stage  Well  Weather/Evap  
 Rain  Flow  Other: \_\_\_\_\_

Database Manager and Westport Staff (initial/date when registration completed):

\_\_\_\_\_ MIRMAID (site name) \_\_\_\_\_ DCVP  
\_\_\_\_\_ DBHYDRO \_\_\_\_\_ MIRMAID (equipment)



Site Name: **BUCK04**

Date: 10/12/00

ARRAY ID	COLUMN	PARAMETER	SENSOR TYPE	ASCII CODED 4-8 CHARACTER I.D.	INTERVAL	SENSOR RANGE	Expected Range at Site	
001	5-12	SITE ID			12 HRS			
	5	CR10 BATTERY	Internal		3 HRS	0 to 25 VOLTS	12.20 - 14.70	
	5	GW1	SDI Pressure Transducer #1, or Druck		15 MIN.	0 to 34.60 FEET	13.70 - 31.51 ft	
	5	GW1 TEMP.	SDI Pressure Transducer #1		15 MIN.	0 to 40 Degrees C	0 to 40 Degrees C	
	200	5	Version #	Internal Settings	Hard Code = 5, 10	5 Min Change and 30 Day Time Stamp		
		6-13	SITE ID		Default = 32			
		14	HW Trigger		Default = 1		0=OFF, 1=ON	
		15	TW Trigger		Default = 1		0=OFF, 1=ON	
		16	GW Trigger		Default = 6		0 = OFF, 1 = ON Respectively	
		17	Gw probe Type(1,2,3)		Default = 0 ( 000 = Unknown, Unknown, Unknown)		0=Off, or Unknown; 1=Druck;	
		18	Gw probe Type(4,5,6)		Default = 0 ( 000 = Unknown, Unknown, Unknown)		2=Sdi Waterlog; 3 and up Reserved	
		19	Wq Change Trigger		Default = 0		0=No change, 1=change	
		20-23	Wq Triggers		Default = 1		0 = OFF, 1 = ON	
24		AP Trigger		Default = 1		0 = OFF, 1 = ON		
25		RAIN Trigger		Default = 1		0=None, 1=1, 2=2, 3=3 Batteries		
26		Aux. Battery Trigger		Default = 3		0 = Use Waterlog, 1 = Use Druck		
27 - 32		GW/Druck Triggers		Default = 0		IN FEET		
33 - 40	REF Elevations		HW, TW, GW1, GW2, GW3, GW4, GW5, GW6		IN FEET			
41 - 48	Offsets		HW, TW, GW1, GW2, GW3, GW4, GW5, GW6		IN FEET			
49 - 53	Druck Multipliers		Default = 0		Sensor Specific			

**11/18/97 Changes**

- Additions:**  
 Any Value that does not need to be high resolution will not be.  
 Capability to measure up to 3 Aux. Batteries.  
 Gw Type and Wq Change locations added per request.
- Subtractions:**  
 Wq parameters was reduced from 10 to 9.  
 You may only Measure 4 Drucks if you are going to measure more than one battery, and you can only measure 5 Drucks if you are going to measure one battery or Barometric pressure, or both.

**Warning!**

This Program no longer fits inside of a 4k CR10. It can ONLY be installed in a CR10X.

**SFWMD - (Recorder Modernization)**  
**BUCK ISLAND PROJECT**  
**Site Installation Summary & Equipment Inventory**

**STATION:** Buck 04 (Stand-Alone - Groundwater Monitoring Station)

1. Location: MacArthur Agro-Ecology Research Center (MAERC)
2. Local ID: Which Pasture: Winter Cell #: 3 Well #: B04
3. Coordinates: LAT: 27°07'50.411" LONG: 81°12'45.801"
4. MAERC B.M. - I.D.: Well 3 Description: 1" Gal. Pipe Elevation 28.55'
5. Shelter Size 33"x20"x14" Height Above L.S.: 2.93' Elevation: 31.37'
6. Groundwater Well RP Description: 2" Well (T.O.C.) Marked Elevation 31.51'
7. Pressure Transducer Type: Rittmeyer PSI Range: 15 Depth Set: 18.00'
8. Data Logger (CR-10X) Serial # X22025 District Asset # N/A
9. Modem Serial # Not Installed Yet District Asset # N/A
10. RF Directional Bearing: 171 Degrees RF Address: N/A
11. Radio Serial # Not Installed Yet District Asset # N/A
12. Groundwater P.T. S/N # 003435 District Asset # N/A
13. Survey Date: 9-18-00 Activation Date: 9-18-00
14. District Inspection Date: 9-27-00 By: Danny Yeck

Remarks: Site access can be difficult - heavy undergrowth / rough terrain / 4x4 vehicle recommended.

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**\*Survey Notes\***

- Hydrogauge, Inc., surveyed from MAERC provided Bench Marks (1" Galv. Pipe - driven to L.S. approx. 12-18" South of Shelter) to Well R.P. - Top of Casings - Marked.

BM - Bench Mark  
LS - Land Surface  
N/A - Not Applicable  
PT - Pressure Transducer  
RF - Radio Frequency  
RP - Reference Point  
TOC - Top of Casing

Data Input By: WHH  
Draft Check By: MSP  
Final Review By: SGR