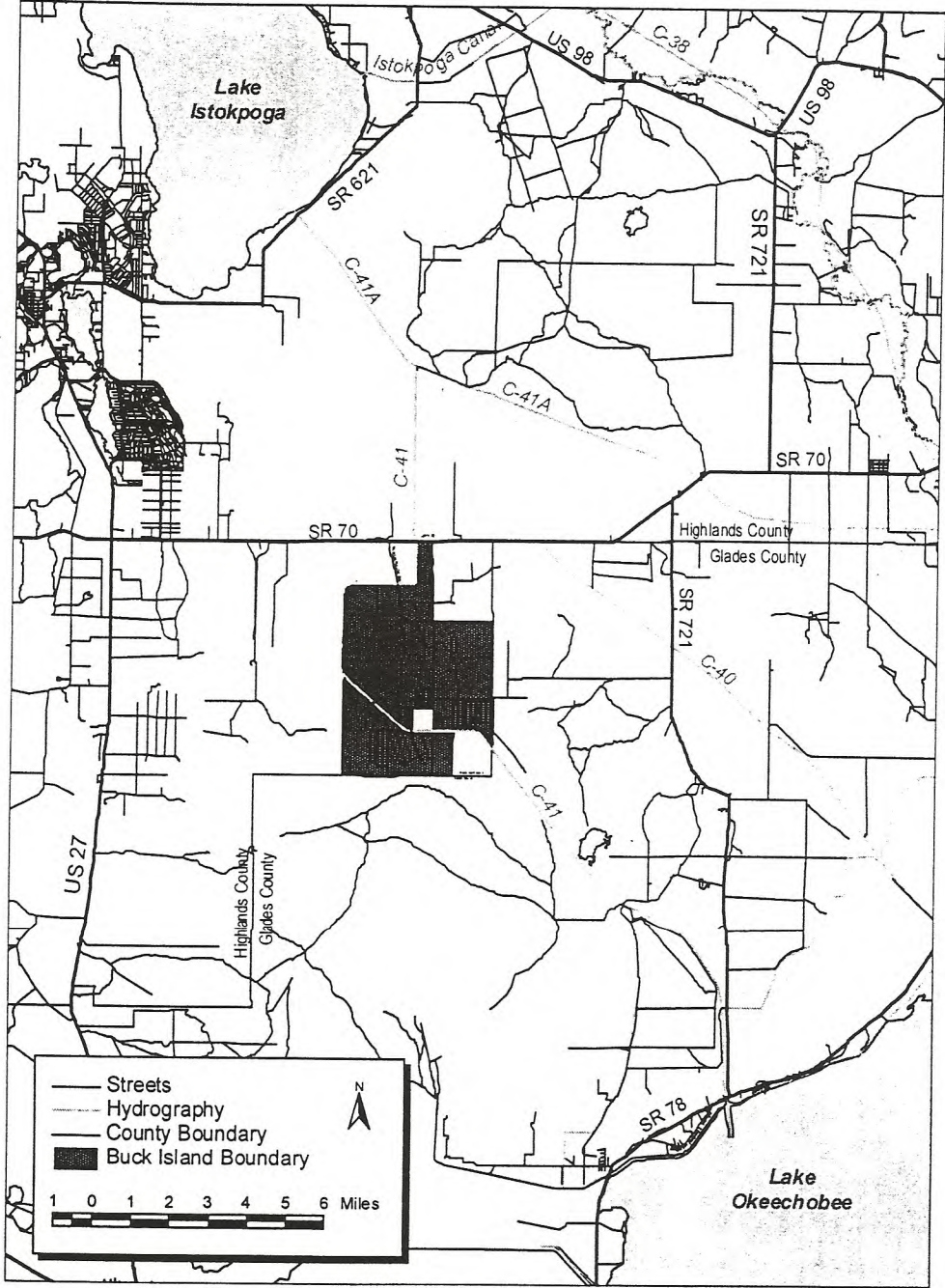
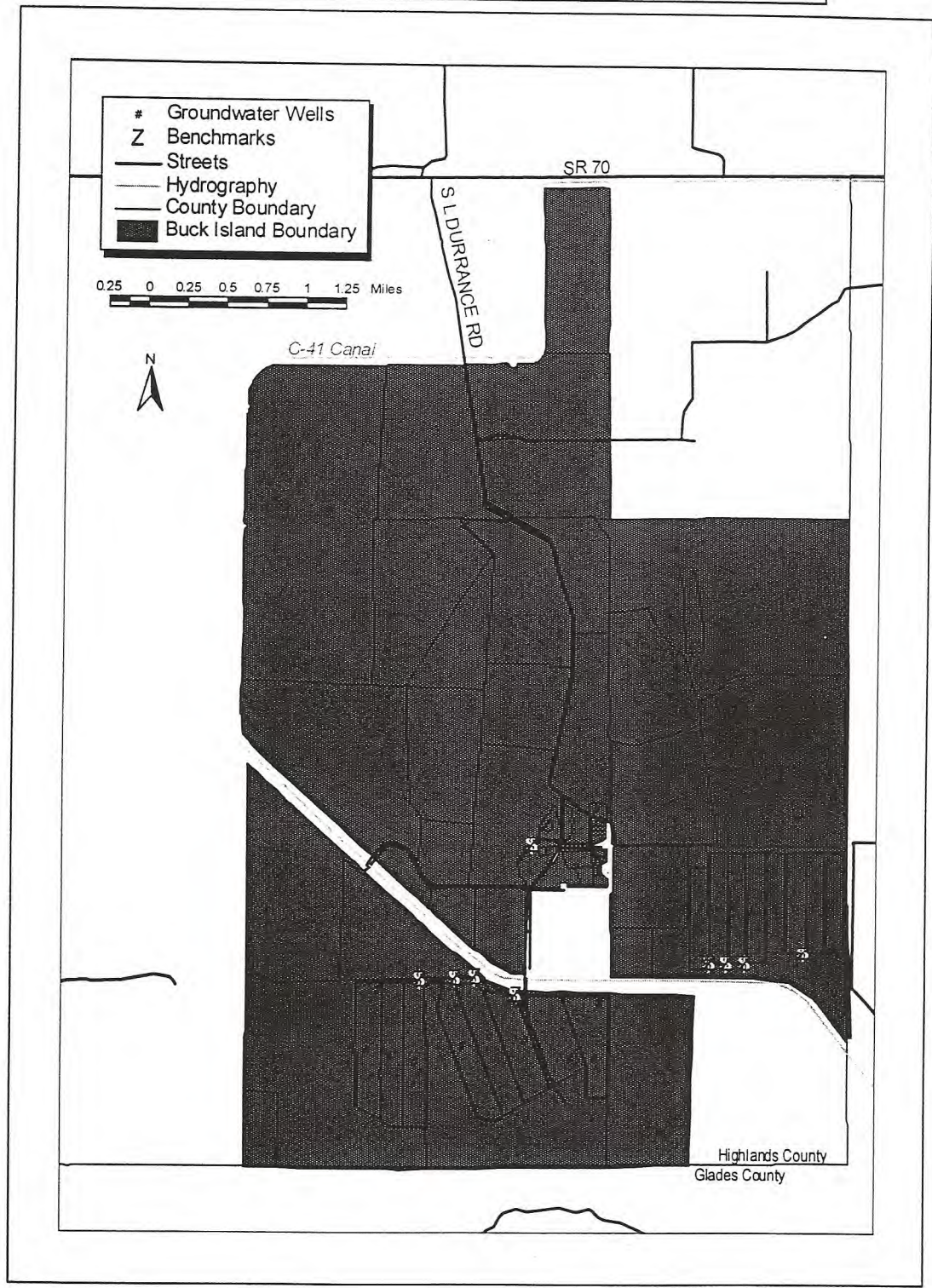


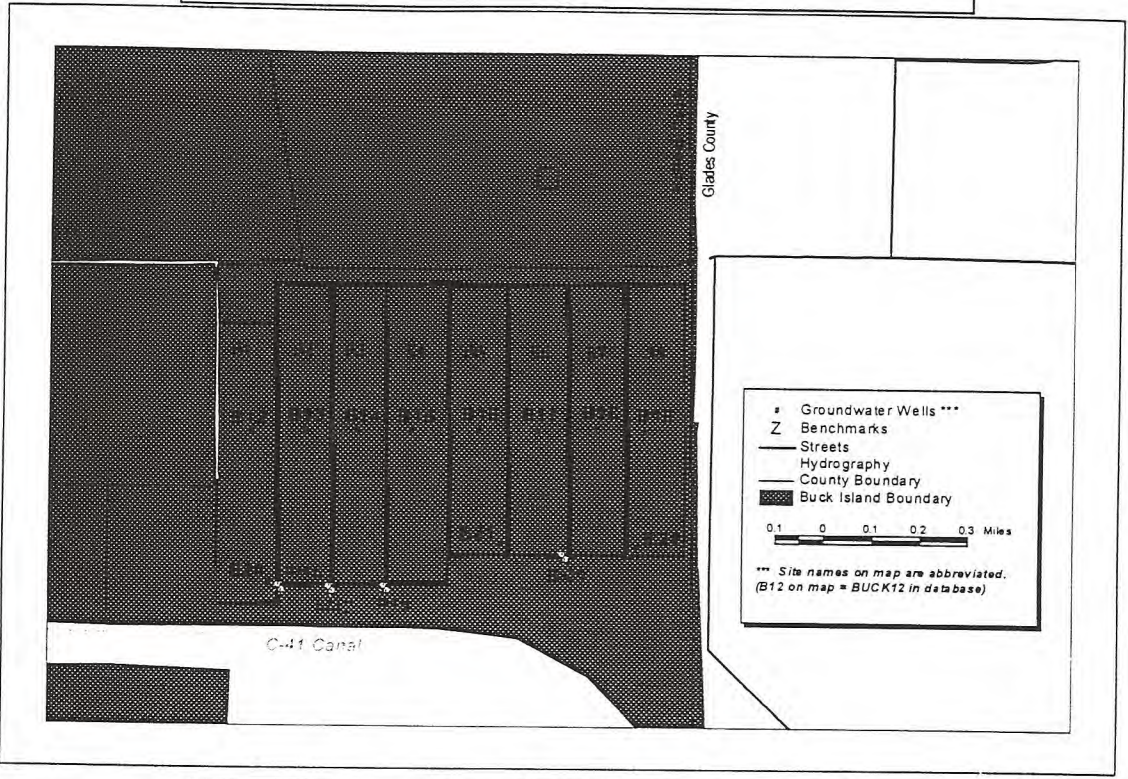
Attachment A-1  
Buck Island/MacArthur-Agro Farm Location



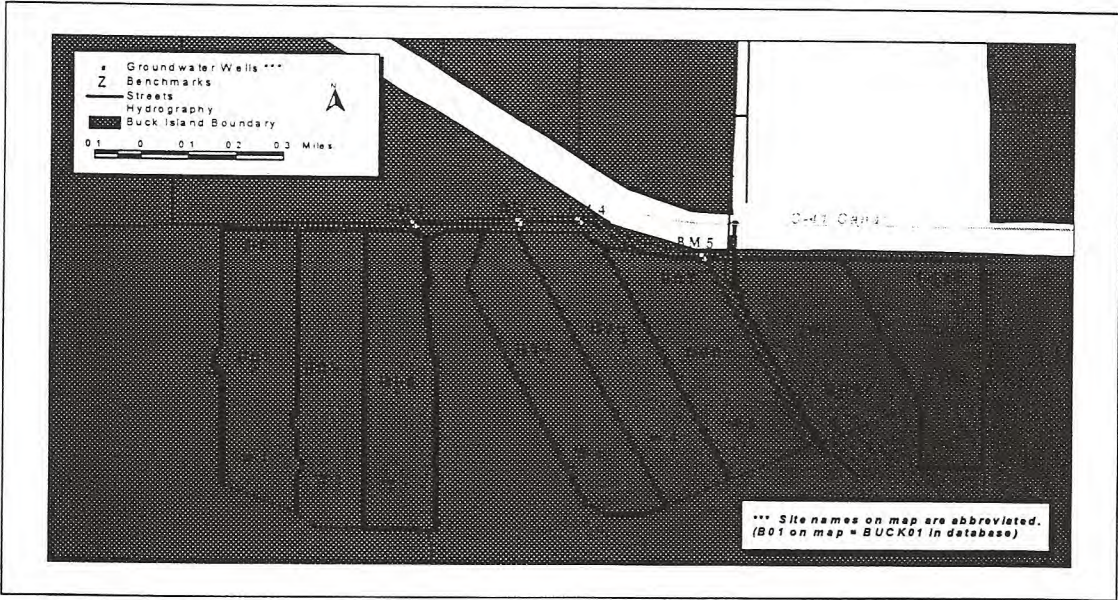
Attachment A-2  
Buck Island/MacArthur-Agro Pasture Locations



**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 DREINATIONS GENERALLY MUST 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 NTS

37"      84"

2X4 FRAME      PLATFORM 3/4" PT PLYWOOD,  
2X4X8 ALUMINUM SHELTER

PRESSURE TRANSDUCER  
RESISTANT & JUNCTION BOX

CRB 12/14 ENCLOSURE  
WITH LATCH

20W SOLAR PANEL  
SHOULD BE BOLTED TO THE  
PLATFORM

BOLTED ENCLOSURE  
SHOULD BE BOLTED TO THE  
PLATFORM, SITE SPECIFIC

OPTIONAL ANTENNA

MAXIMUM 14.0'

3.0'

GROUND WATER WELL,  
SITE SPECIFIC

20W SOLAR PANEL

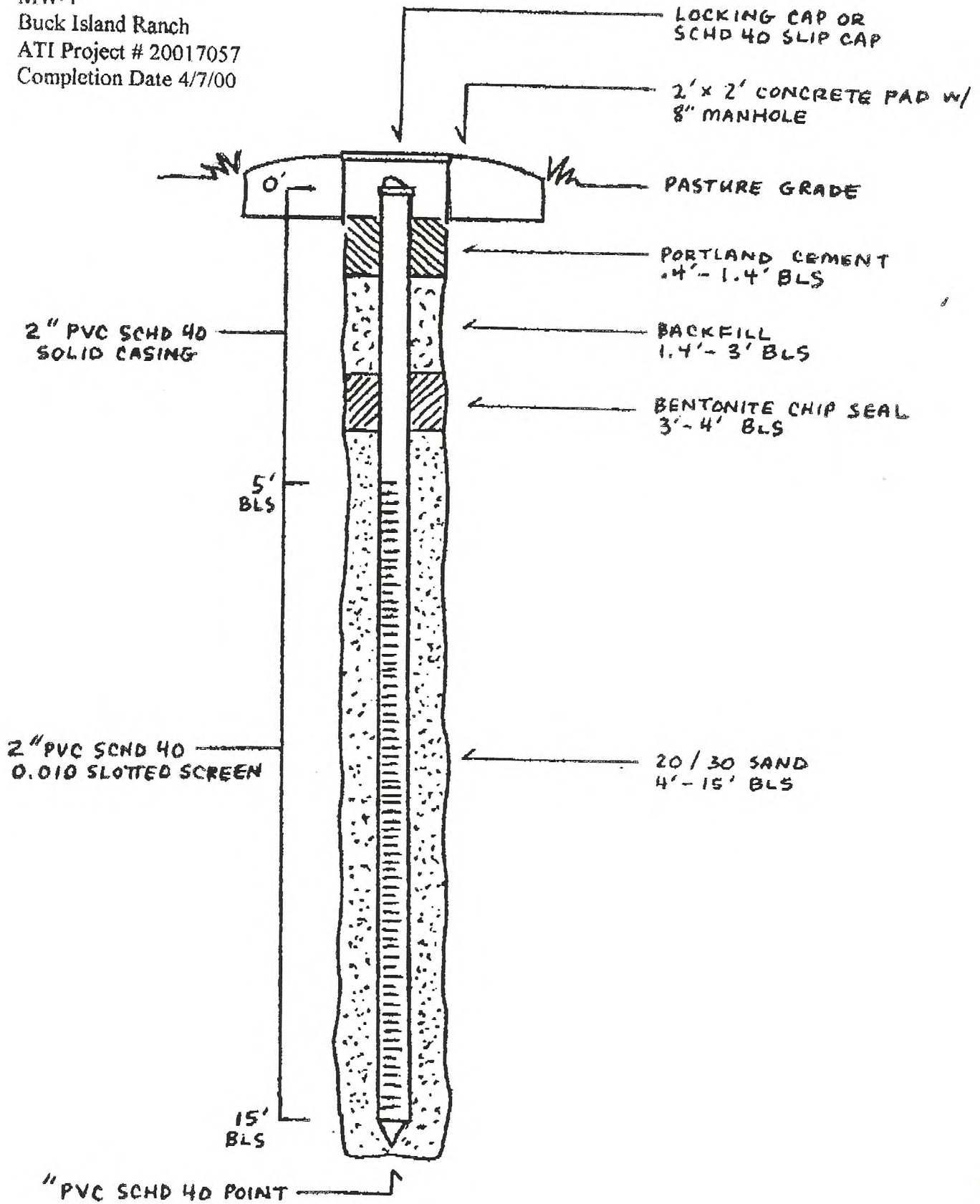
3/4" PT PLYWOOD BASE  
WITH 2 X 4 PT FRAME

## Buck Island Ground Water Monitoring Station

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

REV	DATE	DESCRIPTION	BY	CHK	APP	ORG

MW-1  
Buck Island Ranch  
ATI Project # 20017057  
Completion Date 4/7/00





Equipment Removed (if applicable): N/A

Benchmark Elevation: 27.89' Date: 9-18-00

Disc Number: N/A

Location/Description: 1" Galv Pipe 18" South of Well  
at Land Surface

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

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

Measurable Max/Min Stage: Top of Well 30.81' Bottom of Well 12.81' (HW STG GW)  
Top of Well \_\_\_\_\_ Bottom of Well \_\_\_\_\_ (TW)

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*  
 Cellular Telephone  
 Land-Line Telephone  
R/F Code \_\_\_\_\_  
Phone # \_\_\_\_\_

ARDAMS Loop:  ENR  Okeechobee  East  Caloosatanatchee  
 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: **BUCK01**

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		
002	5	CR10 BATTERY	Internal	3 HRS	0 to 25 VOLTS	12.20 - 14.70
015	5	GW1	SDI Pressure Transducer #1, or Druck	15 MIN.	0 to 34.60 FEET	13.50 - 30.81
016	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 - 6 = 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=Sdt, 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=OFF, 1=ON	
	26	Aux. Battery Trigger	Default = 3		0=None, 1=1, 2=2, 3=3 Batteries	
	27-32	GW/Druck Triggers	Default = 0		0 = Use Waterlog, 1 = Use Druck	
	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	

**1/1/18/97 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 01 (Stand-Alone - Groundwater Monitoring Station)

1. Location: MacArthur Agro-Ecology Research Center (MAERC)
2. Local ID: Which Pasture: Winter Cell #: 1 Well #: B01
3. Coordinates: LAT: 27°08'13.336" LONG: 81°12'59.393"
4. MAERC B.M. - I.D.: Well 1F Description: 1" Gal. Pipe Elevation 27.89'
5. Shelter Size 33"x20"x14" Height Above L.S.: 3.05' Elevation: 30.74'
6. Groundwater Well RP Description: 4" Well (T.O.C.) Marked Elevation 30.81'
7. Pressure Transducer Type: Rittmeyer PSI Range: 15 Depth Set: 17.50'
8. Data Logger (CR-10X) Serial # X22109 District Asset # N/A
9. Modem Serial # Not Installed Yet District Asset # N/A
10. RF Directional Bearing: 170 Degrees RF Address: N/A
11. Radio Serial # Not Installed Yet District Asset # N/A
12. Groundwater P.T. S/N # 003433 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\***

- Hydrogage, 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