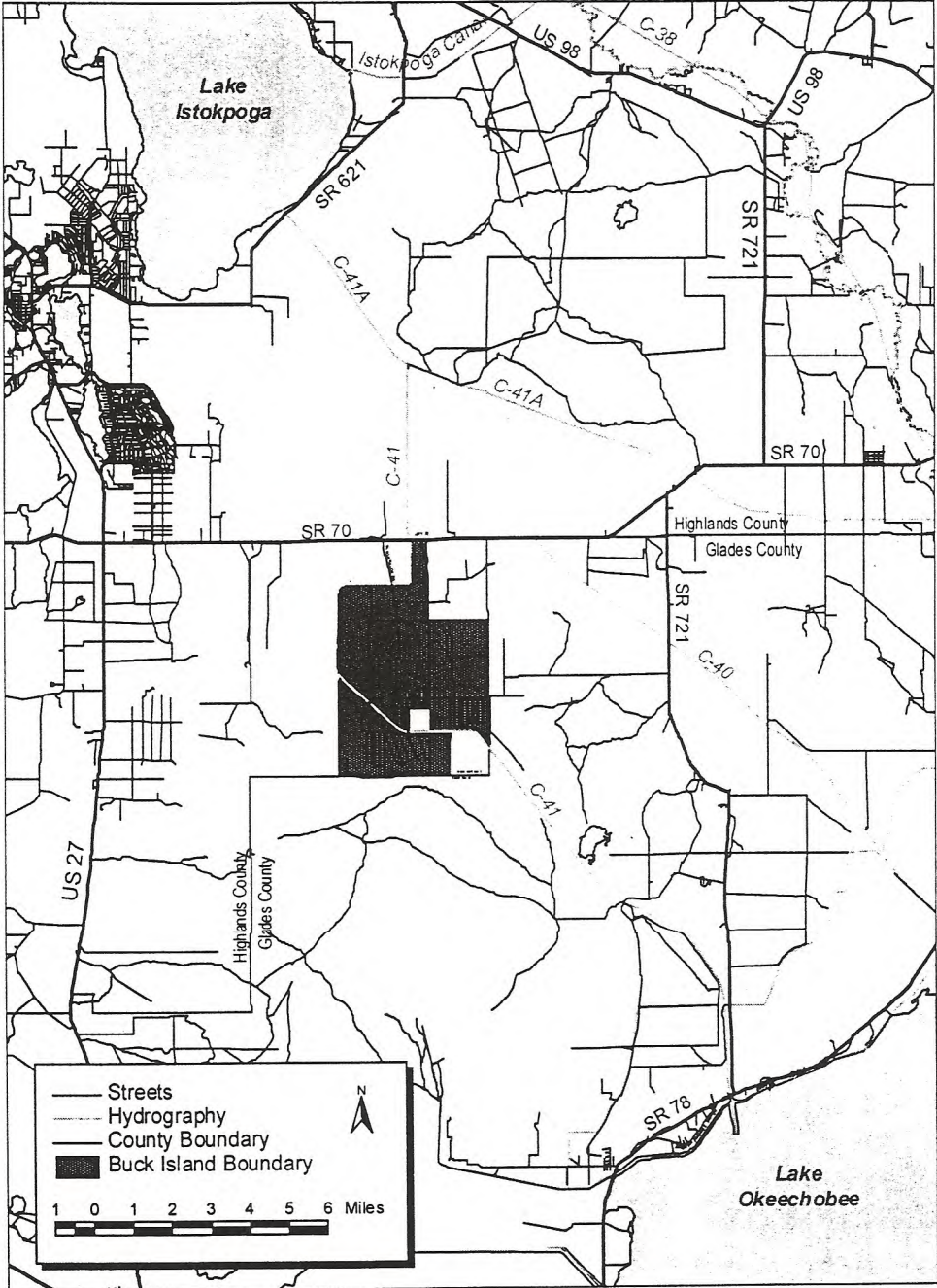
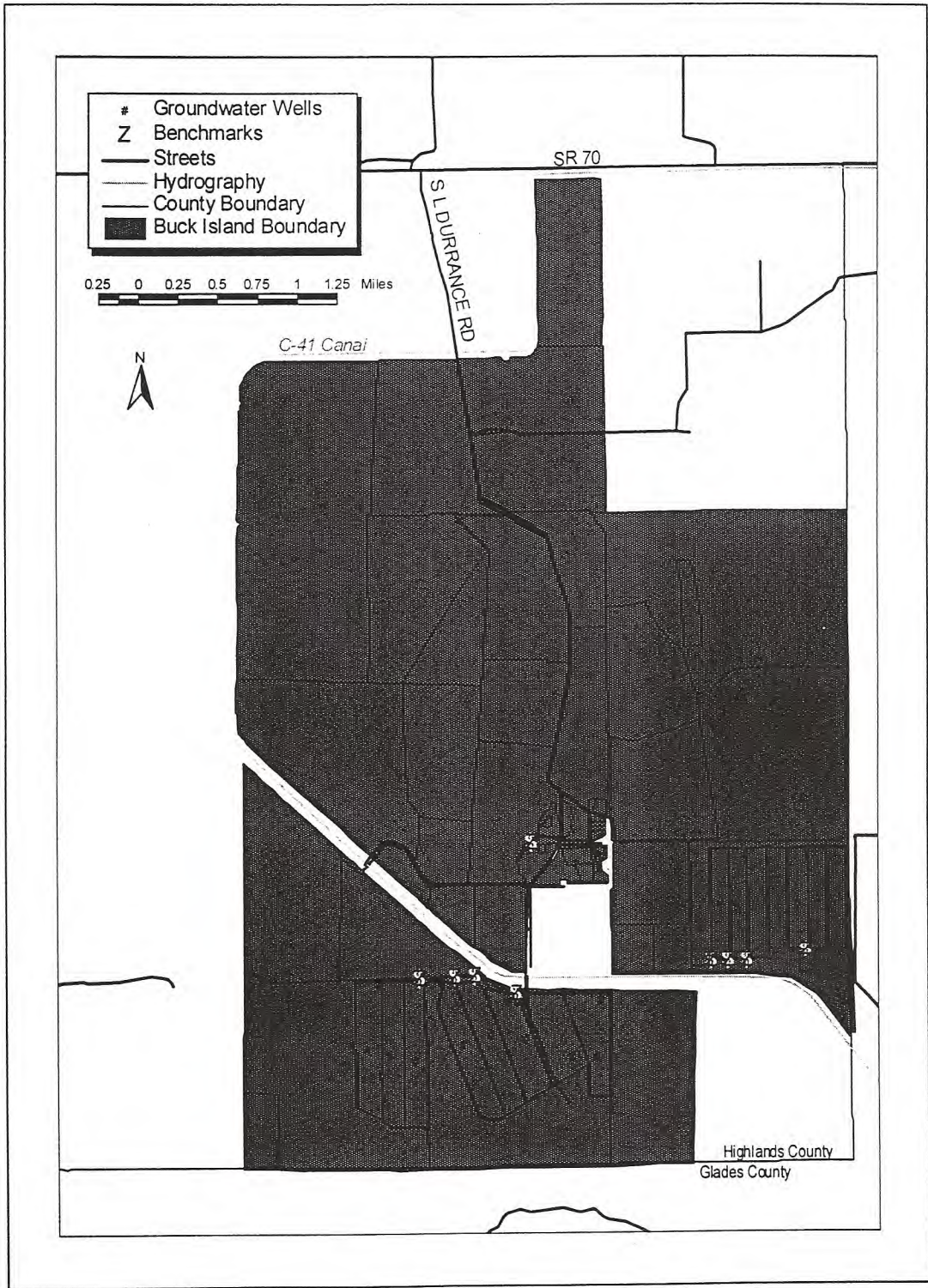


Attachment A-1  
Buck Island/MacArthur-Agro Farm Location

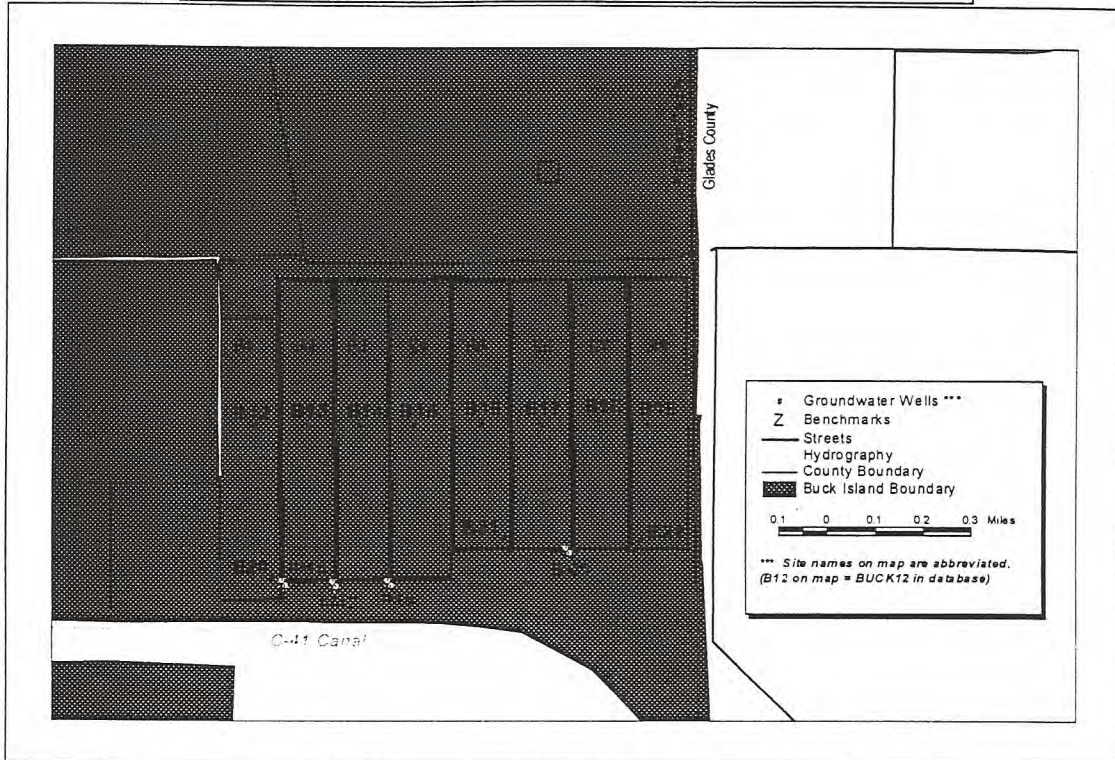


Attachment A-2  
Buck Island/MacArthur-Agro Pasture Locations

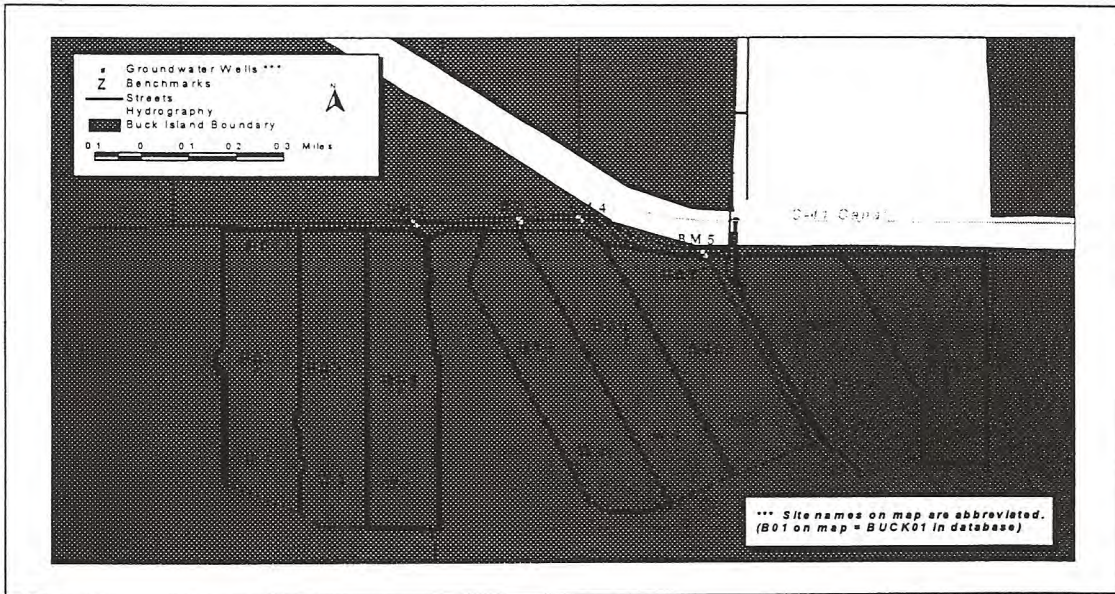




Attachment A-4  
 Buck Island/MacArthur-Agro Pasture Locations  
 Pasture Sites BUCK01 thru BUCK22



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 |

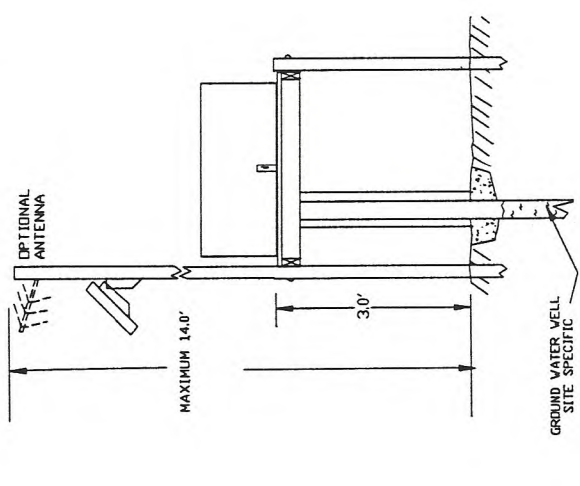
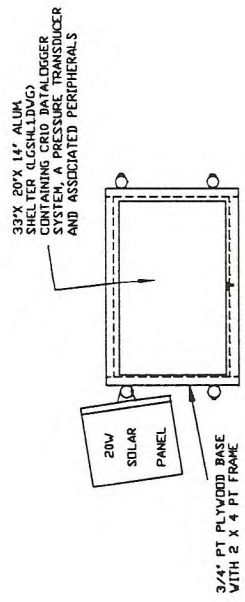
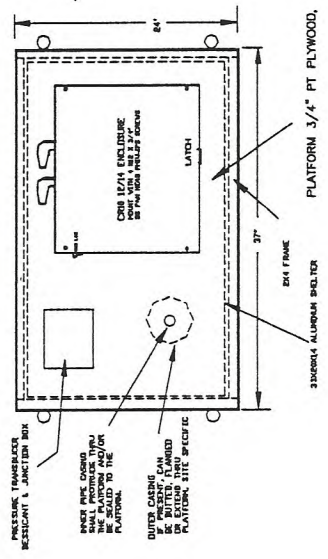
**Buck Island/MacArthur-Agro Bench Marks**  
 GPS and X &Y Coordinates

| 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 DIRECTION: GENERALLY MAST 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 DESCANT & 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



|            |  |               |                                       |
|------------|--|---------------|---------------------------------------|
|            | SOUTH FLORIDA WATER<br>MANAGEMENT DISTRICT |               | GROUNDWATER<br>LEG SUPPORTED PLATFORM |
| ENGINEER   | V. HERRMANN                                |               |                                       |
| DRAWN      | V. HERRMANN                                |               |                                       |
| CHKD       |  | 05/08/00      |                                       |
| DATE       |  | NONE          |                                       |
| SCALE      |  | GV SUPPLT.dwg |                                       |
| FILENAME   |  |               |                                       |
| PLOT SCALE |  |               | NTS                                   |

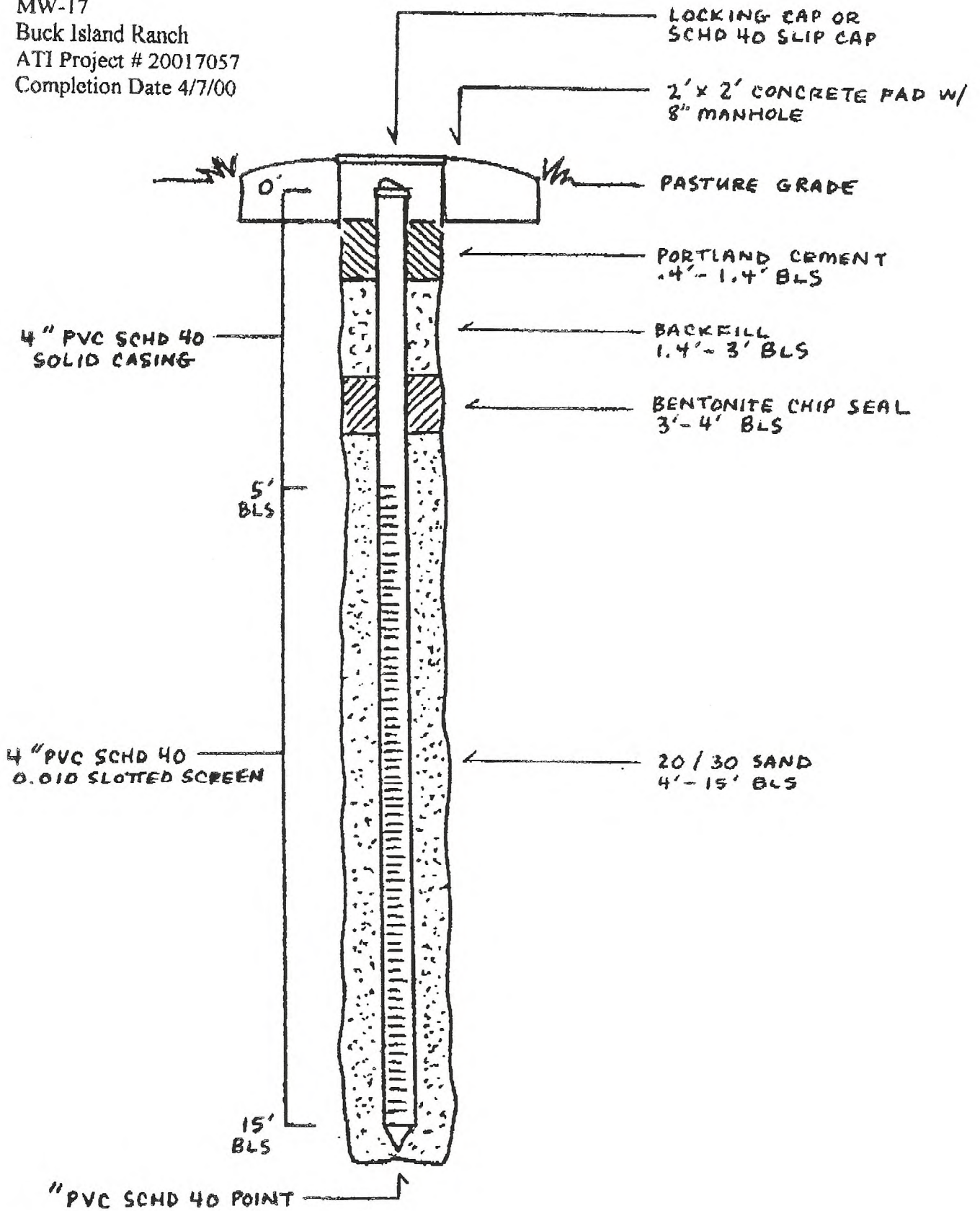


| REV | DATE | REVISION DESCRIPTION | BY | CH | COR | APP | ORG |
|-----|------|----------------------|----|----|-----|-----|-----|
|     |      |                      |    |    |     |     |     |
|     |      |                      |    |    |     |     |     |
|     |      |                      |    |    |     |     |     |

## Buck Island Ground Water Monitoring Station



MW-17  
Buck Island Ranch  
ATI Project # 20017057  
Completion Date 4/7/00







SITE WORKSHEET

Equipment Removed (if applicable): N/A

Benchmark Elevation: 27.19" Date: 9-8-00  
Disc Number: \_\_\_\_\_  
Location/Description: 1" Galv. pipe 13" South of 2" well @ ground surface

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

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

Measurable Max/Min Stage: Top of Well 30.19' Bottom of Well 12.06' (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 complete yet. R/F Code \_\_\_\_\_  
 Cellular Telephone Phone # \_\_\_\_\_  
 Land-Line Telephone

ARDAMS Loop:  ENR  Okeechobee  East  Caloosanatchee  
 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: **BUCK17**

Date: 10/12/00

| ARRAY ID | COLUMN | PARAMETER            | SENSOR TYPE                                    | INTERVAL                           | SENSOR RANGE                      | Expected Range at Site |
|----------|--------|----------------------|--|------------------------------------|-----------------------------------|------------------------|
| 001      | 5-12   | SITE ID              | ASCII CODED 4-8 CHARACTER I.D.                 | 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                   | 12.49 - 30.19 ft       |
| 016      | 5      | GW1 TEMP.            | SDI Pressure Transducer #1                     | 15 MIN.                            | 0 to 40 Degres C                  | 0 to 40 Degres 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=Std 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 = CS105, 2 = PTA-427   |                        |
|          | 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                   |                        |

**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 17** (Stand-Alone - Groundwater Monitoring Station)

1. Location: MacArthur Agro-Ecology Research Center (MAERC)
2. Local ID: Which Pasture: Summer Cell #: 6 Well #: B17
3. Coordinates: LAT: 27°08'41.507" LONG: 81°10'25.364"
4. MAERC B.M. - I.D.: Well 6 Description: 1" Gal. Pipe Elevation 27.19'
5. Shelter Size 33"x20"x14" Height Above L.S.: 3.09' Elevation: 30.06'
6. Groundwater Well RP Description: 2" Well (T.O.C.) Marked Elevation 30.19'
7. Pressure Transducer Type: Rittmeyer PSI Range: 15 Depth Set: 17.70'
8. Data Logger (CR-10X) Serial # X21957 District Asset # N/A
9. Modem Serial # Not Installed Yet District Asset # N/A
10. RF Directional Bearing: 178 Degrees RF Address: N/A
11. Radio Serial # Not Installed Yet District Asset # N/A
12. Groundwater P.T. S/N # 979714 District Asset # N/A
13. Survey Date: 9-08-00 Activation Date: 9-08-00
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\***

- Hydrogag, 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