



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Rev. 1/16

DB Hydro Station Name: MCARTH		DB Hydro Site Name: MCARTH		Date of Field Work: 20-jun-17
Party Chief: Wise		Field Book: Misc 7B	Page 66	Prepared by: H. Ehmke
SITE SPECIFIC DATA				
Site Benchmark: MCAR5		Benchmark Elevation (NAVD88) 53.84	Corpscon 6.0.1 Conversion Factor (NAVD88 to NGVD29) +1.155	
Reference Elevation(s) (NAVD88): 57.45		Existing Brass Tag Elevation (Datum): 58.475 10 16 06 EE CC		Written at well: MSL REF 58.50 5/26/06
Ground Elevation (NAVD88): 54.0			Pad Elevation (NAVD88): Not applicable	
GEOGRAPHIC DATA				
Section 14		Township 35 South		Range 31 East
Well	Latitude: 27°26'18.2"		Longitude: 81°12'23.9"	Source: Scaled pick point aerial esri product
	State Plane Coordinates		Northing (Y) = 1128597	Easting (X) = 589141
Notes:				
NAVD88 – North American Vertical Datum of 1988				
NGVD29- National Geodetic Vertical Datum of 1929				
Corpscon 6.0.1 - A U.S. Army Corps of Engineers Engineering Research and Development Center Topographic Engineering Center Alexandria, Virginia Windows-based program to convert coordinates and elevations between datum's using vertcon05.txt and vertcon05.05 files supplied by the U.S. Army Corps of Engineers South Atlantic Division, Jacksonville Fl.				

PICTURES

Overall Site



Not to scale (esri product)



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Overall



MCARTH Rain Gauge

MCARTH Well

PROPERTY OF:
South Florida Water Management District
RTU Name: **MCARTH**
Contact SCADA: 561-682-2047

Looking Southerly (oblique not to scale) (20-jun-17)

Well Head



Reference Point
El. 57.45 NAVD88

Looking Southeasterly (oblique not to scale) (20-jun-17)



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

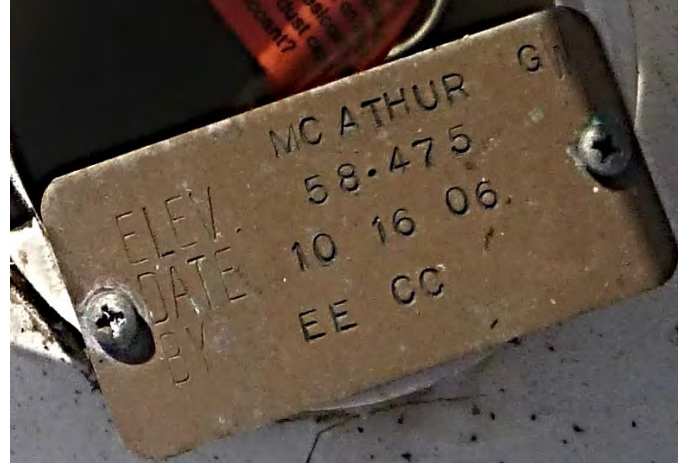
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Old brass tag and reference point



Top view (Not to scale) (20-jun-17)

Old NGVD29 Brass Tag Close-up (*to be removed*)



Reference Point
El. 57.45 NAVD88



Written at well:
MSL REF ~~58.50~~ 5/26/06

Side view (Oblique Not to scale) (20-jun-17)

New NAVD88 Brass Tag Close-up (*to be added*)



SEC 14 TWP 35 RGE 31

ESTABLISH NAVD 88 ELEVATION ON
GROUND WATER WELL MCARTH

STA	+	HI	-	EL	BMEI
BM	6.13	59.97			53.84 NAVD 88
GROUND			5.90	54.07	
REF			2.52	57.45	
BM		6.13		53.84	

NOTE: DID NOT DO OPUS SECESSION ON FOUND
BENCH MARK. BENCH MARK LOCATED UNDER
CANOPY OF 32" OAK TREE

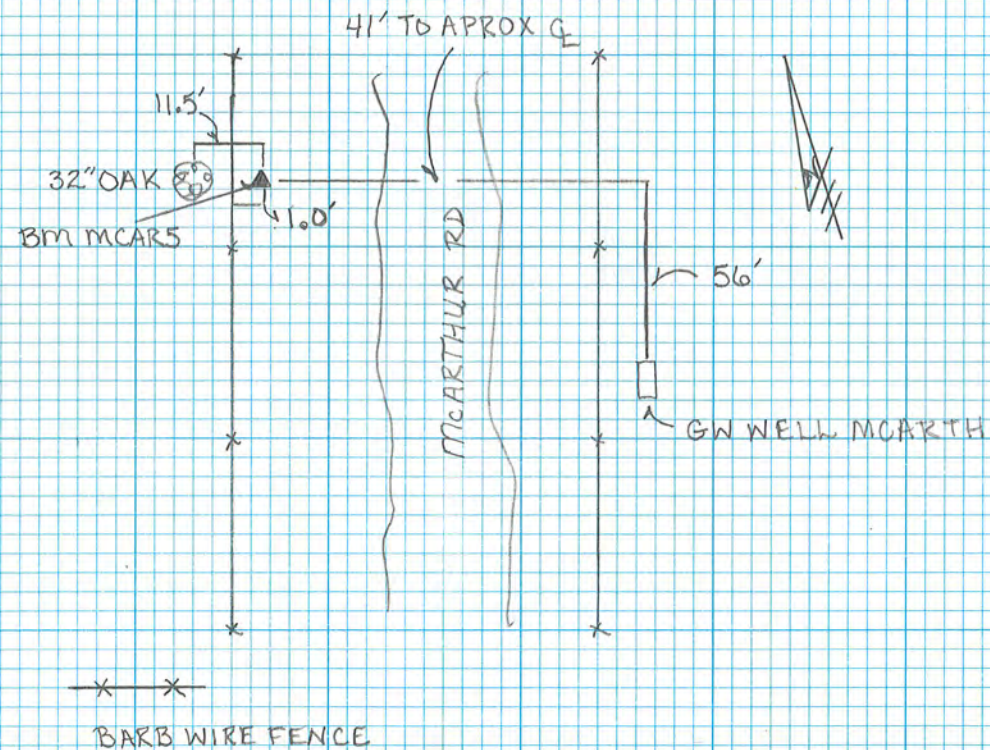
M. WISE
P. STRICKLAND

COMMENTS

BM MCARS SEWMD ALUM DISC STAMPED MCARS IN CONCRETE
GOOD CONDITION. 1' SE OF FENCE. 11.5' FROM FACE OF 32" OAK.
41' WNW OF Q OF DIRT ROAD
GROUND SHOT AT WELL

REFERENCE IS A MAGIC MARKER MARK ON NORTH SIDE OF 3"
PVC PIPE LOCATED UNDER LOCK BOX

BM MCARS AS ABOVE



McCarthur



- COONER & ASSOCIATES, INC
 - Date of photo: January 19, 2005
- View: Looking North at BM MCAR5

McCarthur



- COONER & ASSOCIATES, INC
 - Date of photo: January 19, 2005
- View: Looking at top view of BM MCAR5

Office

Project

21 June 2017

INPUT

State Plane, flhpgn - Florida HPGN
0901 - Florida East, U.S. Feet
Vertical - NAVD88, U.S. Feet

OUTPUT

Geographic, flhpgn - Florida HPGN
Vertical - NGVD29 (Custom), U.S. Feet

MCARTH

1/1

Northing/Y: 1128681.99

Easting/X: 589143.53

Elevation/Z: 0

Convergence: -0 05 42.79132

Scale Factor: 0.999946326

Combined Factor: 0.999950409

Latitude: 27 26 19.11751

Longitude: 81 12 23.90466

Elevation/Z: 1.155

Remark:

Corpscon v6.0.1, U.S. Army Corps of Engineers

DBHYDRO | by station

STATION INFORMATION

Station	MCARTH
Site	MCARTH
Type	WELL
Latitude (ddmmss.sss)	272619.137
Longitude (ddmmss.sss)	811223.232
X Coord (ft) NAD83	589204.126
Y Coord (ft) NAD83	1128683.902
County	Highlands
Basin	S-65BC
Section	14
Township	35
Range	31
Show Map	Google Map
Well Info	Info
Description	MCARTHUR GROUNDWATER PROPERTY NEAR US98.
Notes	
Nearby Stations	Nearby Stations
Attachments	Show Attachments

Query returned 1 station record(s).

Get Time Series Data

REGISTRATION WORKSHEET - MCARTH Addendum

Site Name: **MCARTH** Today's Date: **3/15/2017** Type Recorder: **CR1000**
 Activity: **Addendum** Effective Date: _____ Start Date of Data : _____
 Customer: **Steve Krupa** Bus. Area: **5720** Agency: **SFWMD** Internal Order: _____
 Project Manager: **Howard Ehmke** Bus. Area: **Survey & Mapping** Agency: **SFWMD** Fund: _____
 Contract #: _____
 Project Name: _____ Legal Mandate: _____

Short Common Name / Description: _____

Proj. Mgr. Notes: This addendum was performed to add NAVD 88 surveying data for the reference elevation. To convert to NGVD 29 add +1.155ft.

Site Directions: from the intersection of County Road 621 and US Highway 98, turn left on to US Highway 98, heading Northwest for 0.5 miles to a gate on the right. Go through the gate and follow the dirt road (Blue Hammock Road) for 1.0 mile to the mark on the left.

Site Address (if any): _____

Transportation: _____ Lock type or combination: **Abloy S** # _____

Recorder Location/Purpose: **Stand-Alone Recorder (Non-Flow Site)** Structure Type: _____

Array ID Configuration table attached **NO**

SURVEY INFORMATION

B.M. Elevation: **53.84 ft** Date: **3/30/2005** Stamp: **BM MCAR 5**
 Agency: **SFWMD** Type: **ALUM** Datum: **NAVD 88**

Benchmark Location/ Description: Marker is an aluminum disk, stamped "South Florida Water Management District Survey Marker " BM MCAR 5".

COMMUNICATIONS INFORMATION

Communications System: _____ Loggernet Server: _____ Loggernet IP Address: _____
 Tower: _____ Communication Type: _____ R.F. Code/Modem Address: _____ R.F. Access Point: _____
 Phone Number: _____
 RTU Address: _____ Gateways: _____

WELL INFORMATION

Sensor	Customer Ref	Ref Elev	Elev Date	Top of Well	Bottom of Well	Ground Elev	Benchmark Elev	Benchmark Datum	Ref Elevation Location
GW1	MCARTH	57.45	6/20/2017	57.44			53.84	NAVD 88	On top of well

Sensor	GW Sensor Location Offset	Meas Pt Elevation	GW Land Elevation	Depth of Well	Type of Well	Top of Monitored Interval	Base of Monitored Interval	Parameter Transmitted							
GW1															

COORDINATE INFORMATION

Item/Parm	Lat	Long	X-Coord	Y-Coord	Sec	Township	Range	Quad	Basin	County	Description
GW1	27 26 18.2	81 12 23.9	589141	1128597	14	35	31			Highlands	