


FPRN Datasheet

Site Name:	Energy-Marine	
Site Code:	FLEM	
RTCM Code:	0707	
Receiver Type:	LEICA GR30	
Serial Number:	1702521	
Firmware:	4.30	
Antenna Type:	LEIAR20 NONE	
Serial Number:	16226011	
Satellite Systems:	G/R/E/-/-	

NAVD 88 Orthometric Height

Leveled	Geoid 18*	FPRN18**
- M	9.320 M	9.339 M

NAD 83 (2011) epoch 2010.000 Current Broadcast Datum of FPRN

After 1/6/2020

Geodetic Position*	
Latitude	28°17'25.05694" N
E Longitude	277°16'29.79332" E
W Longitude	82°43'30.20668" W
Ellipsoid Height	-16.244 M
Cartesian Coordinates*	
X = 711732.300 M	
Y = -5575284.665 M	
Z = 3004864.377 M	

State Plane Coordinates*	
Zone: FL W	
N: 438591.239 M	
E: 128877.166 M	
UTM Coordinates*	
Zone: 17	
N: 3130567.562 M	
E: 330830.535 M	

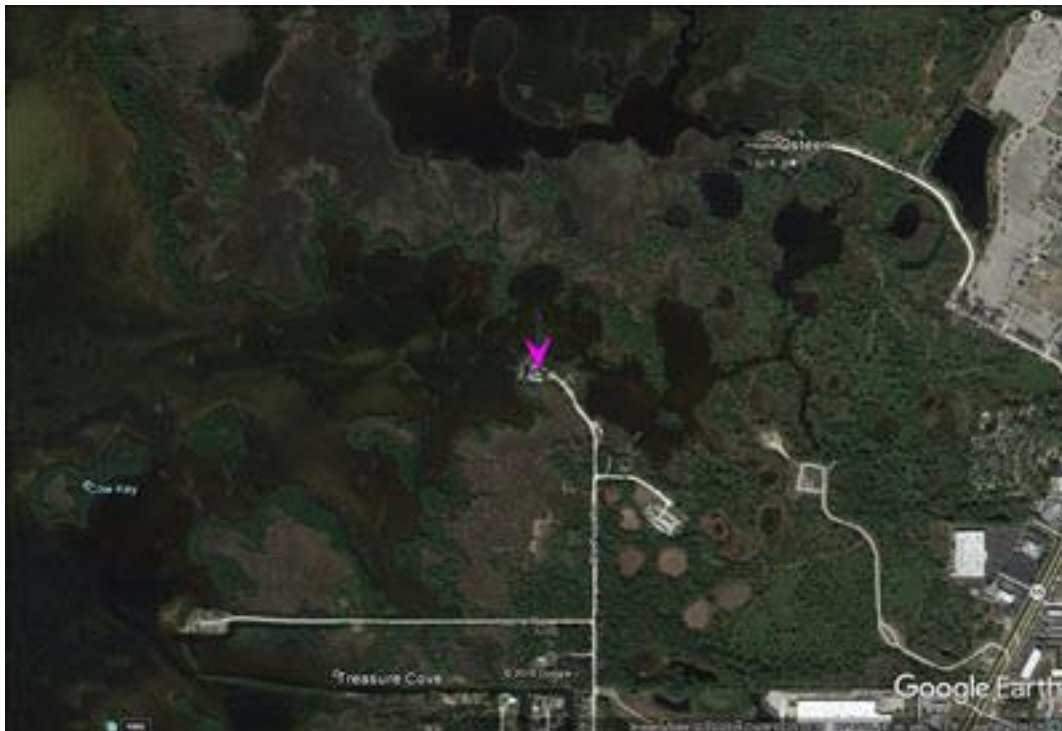
ITRF 2014 epoch 2019.836

After 1/6/2020

Geodetic Position*	
Latitude	28° 17' 25.07749" N
E Longitude	277° 16' 29.77032" E
W Longitude	82° 43' 30.22968" W
Ellipsoid Height	-17.777 M
Cartesian Coordinates*	
X = 711731.470 M	
Y = -5575283.108 M	
Z = 3004864.208 M	

State Plane Coordinates*	
Zone: -	
N: - M	
E: - M	
UTM Coordinates*	
Zone: -	
N: - M	
E: - M	
UTM Coordinates*	
Zone: 17	
N: 3130568.204 M	
E: 330829.917 M	

FPRN Datasheet
For
Energy-Marine (FLEM)



* Positions and Coordinates were calculated using OPUS Projects software published by National Geodetic Survey (NGS).
** FPRN18 Orthometric Heights were calculated using Infinity software published by Leica Geosystems.



NAD 83 (2011) epoch 2010.000

After 9/6/2019

Geodetic Position*	
Latitude	28° 17' 25.05664" N
W Longitude	82° 43' 30.20608" W
Ellipsoid Height	-16.253 M
Cartesian Coordinates*	
X = 711732.316 M	
Y = -5575284.660 M	
Z = 3004864.365 M	

State Plane Coordinates*											
Zone: FL W											
N: 438591.230 M											
E: 128877.182 M				UTM Coordinates*		Zone: 17		N: 3130567.553 M		E: 330830.551 M	
UTM Coordinates*											
Zone: 17											
N: 3130567.553 M											
E: 330830.551 M											

ITRF 2014 epoch 2019.078

After 9/6/2019

Geodetic Position*	
Latitude	28° 17' 25.07738" N
E Longitude	277° 16' 29.77071" E
W Longitude	82° 43' 30.22929" W
Ellipsoid Height	-17.776 M
Cartesian Coordinates*	
X = 711731.480 M	
Y = -5575283.110 M	
Z = 3004864.205 M	

State Plane Coordinates*																											
Zone: -																											
N: - M																											
E: - M				Zone: -		N: - M		E: - M				Zone: -		N: - M		E: - M				UTM Coordinates*		Zone: 17		N: 3130568.200 M		E: 330829.928 M	
Zone: -																											
N: - M																											
E: - M				Zone: -		N: - M		E: - M				UTM Coordinates*		Zone: 17		N: 3130568.200 M		E: 330829.928 M									
Zone: -																											
N: - M																											
E: - M				UTM Coordinates*		Zone: 17		N: 3130568.200 M		E: 330829.928 M																	
UTM Coordinates*																											
Zone: 17																											
N: 3130568.200 M																											
E: 330829.928 M																											

NAD 83 (2011) epoch 2010.000

After 8/16/2018

Geodetic Position*	
Latitude	28° 17' 25.05680" N
W. Longitude	82° 43' 30.20660" W
Ellipsoid Height	-16.238 M
Cartesian Coordinates*	
X = 711732.303 M	
Y = -5575284.672 M	
Z = 3004864.376 M	

State Plane Coordinates*											
Zone: FL W											
N: 438591.235 M											
E: 128877.168 M				UTM Coordinates*		Zone: 17		N: 3130567.558 M		E: 330830.537 M	
UTM Coordinates*											
Zone: 17											
N: 3130567.558 M											
E: 330830.537 M											



NAD 83 (2011) epoch 2010.000

After 8/25/2015

Geodetic Position*	
Latitude	28° 17' 25.05680" N
W. Longitude	82° 43' 30.20660" W
Ellipsoid Height	-16.238 M
Cartesian Coordinates*	
X = 711732.303 M	
Y = -5575284.672 M	
Z = 3004864.376 M	

State Plane Coordinates*	
Zone: FL W	
N: 438591.235 M	
E: 128877.168 M	
UTM Coordinates*	
Zone: 17	
N: 3130567.558 M	
E: 330830.537 M	

NAD 83 (2011) epoch 2010.000

After 8/2/2014

Geodetic Position*	
Latitude	- N
W. Longitude	- W
Ellipsoid Height	0.000 M
Cartesian Coordinates*	
X = 0.000 M	
Y = 0.000 M	
Z = 0.000 M	

State Plane Coordinates*	
Zone: FL W	
N: 0.000 M	
E: 0.000 M	
UTM Coordinates*	
Zone: 17	
N: 0.000 M	
E: 0.000 M	

NAD 83 (CORS96)

Prior to 8/2/2014

Geodetic Position*	
Latitude	- N
W. Longitude	- W
Ellipsoid Height	0.000 M
Cartesian Coordinates*	
X = 0.000 M	
Y = 0.000 M	
Z = 0.000 M	

State Plane Coordinates*	
Zone: FL W	
N: 0.000 M	
E: 0.000 M	
UTM Coordinates*	
Zone: 17	
N: 0.000 M	
E: 0.000 M	