June 25, 2025

MEMORANDUM

TO: Kym Holzwart, Lead Ecologist, Environmental Flows and Levels

THROUGH: Ted Gates, P.G., C.P.G., Manager, Geohydrologic Data Section

FROM: Julia Zydek, P.G., Professional Geologist, Geohydrologic Data Section

SUBJECT: Central Florida Water Initiative Data, Monitoring, and Investigations Team Wetland Monitoring Well Construction Summary

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The Southwest Florida Water Management District's (District) Geohydrologic Data Section performed monitor well construction for the Central Florida Water Initiative (CFWI) Data, Monitoring, and Investigations Team (DMIT) (project number P289). The CFWI DMIT will provide data to support minimum level research for three groundwater basins in five counties. Surficial aquifer monitor wells and staff gauges installed at 31 wetlands will provide an understanding of how the wetlands interact with the surficial aquifer. Long-term water level data collected from these wells will be used to develop minimum levels for wetlands. The data will also be used to improve the understanding of wetland hydrology, recovery, prevention strategies, and assessment of wetland health.

Monitor well construction was shared among Huss Drilling, Incorporated (Inc.) (Huss), National Environmental Technology, Inc. (NET), Mendez Drilling, Inc. (Mendez), and District staff from September 27, 2016, to June 16, 2023, using hand auger or hollow-stem auger methods, unless otherwise noted. At each well site, lithologic samples were collected using the direct push, split spoon, or hand auger methods. Samples were collected in 5-foot intervals. The split-spoon sampler was advanced using a 140-pound hammer through the hollow-stem augers. The samples were described by an on-site geologist for 17 out of 31 wells. After split-spoon sampling was completed, the drilling contractors and District staff installed the surficial aquifer monitor wells using 2-inch, schedule 40, 0.010-inch slot, threaded, polyvinyl chloride (PVC) screen and 2-inch, schedule 40, threaded PVC casing. Each well was developed by pumping at least three well volumes until the discharge water was free of sediment and clear, unless otherwise stated. A locking metal cover was placed around each well. Sand was installed inside the well cover around the casing of each well. The groundwater level in each well was measured after well development using a Solinst electric water level meter, unless otherwise stated. Each well has been surveyed, benchmarked, and equipped for continuous hourly water level monitoring.

Twenty-eight wells were constructed in Polk County. The Green Swamp 7, Hampton Gator Creek, Hampton Colt Creek, and Green Swamp Upper Withlacoochee well sites are on District property in the Green Swamp Wilderness Preserve. The Alston New Cypress well site is on District property on the Alston Tract and is managed by the Florida Fish and Wildlife Conservation Commission. The Alafia Reserve well site is on public land in the Alafia River Reserve, which is jointly owned by the District and Polk County. The Crooked Lake West 1 and 2 well sites are on District property at the Crooked Lake West Stuart Tract. The Arbuckle 1 and 2 well sites are on State property in the Lake Wales Ridge State Forest Arbuckle Tract. The Walk-in-Water 1 and 2 well sites are on State property in the Lake Wales Ridge State Forest Walk-in-Water Tract. The Mountain Lake Cutoff 2 and Crooked Lake Wildlife and Environmental Area (WEA) 1 and 2 well sites are in the Crooked Lake

WEA managed by the Florida Fish and Wildlife Conservation Commission. The Lake Maude well site is in the Lake Maude Nature Park owned by the City of Winter Haven. The Lake Ned well site is within the Street Nature Preserve owned by the Florida Audubon Society, Inc. The Tiger Creek 1 and 2 and Saddle Blanket Scrub Preserve 1 and 3 well sites are on property managed by The Nature Conservancy. The Lake Marie well site is on property owned by the Town of Dundee. The Crooked Lake Prairie and Hickory Lake Scrub well sites are along the Lake Wales Ridge on park lands owned by Polk County and managed by the Polk County Environmental Lands program. The Bonnet Lake Marsh well site is on land owned and managed by Polk County. The Gator Creek Reserve 1 and 2 well sites are within Gator Creek Reserve, which is owned by Polk County and managed by Polk County's Parks and Natural Resources Division. The Hilochee Osprey West well site is in Polk County within the Hilochee Wildlife Management Area's Osprey Unit, which is owned by the Florida Board of Trustees of the Internal Improvement Trust Fund and managed by the Florida Fish and Wildlife Conservation Commission. Three wells were constructed in Lake County. The Pasture Reserve 1, 2, and 3 well sites are on Lake County's Pasture Reserve.

Below is a summary of the well construction details for each well. The following data are attached: a table of the well construction specifications for the wells (Attachment 1), a map showing the locations of the completed well sites (Attachment 2), maps showing the location of each CFWI DMIT wetland well site (Attachment 3), the well as-built diagrams (Attachment 4), the daily drilling logs for 23 wells (Attachment 5), and the field lithologic logs of the split-spoon samples collected from 17 wells (Attachment 6). Daily drilling logs and lithologic logs are not available for all the wells. The well completion reports submitted by the well contractor were used for the summaries.

Green Swamp 7 Upland Replacement

District staff installed the surficial aquifer monitor well using a 6-inch manual hand auger at the Green Swamp 7 well site on September 27, 2016. The water table for the surficial aquifer was approximately 0.5 feet below land surface (bls). Well screen was installed from 1 to 4 feet bls. The well was developed until the discharge water cleared.

Alston New Cypress

District staff installed the surficial aquifer monitor well using a 6-inch manual hand auger at the Alston New Cypress well site on November 22, 2016. The water table for the surficial aquifer was approximately 3 feet bls. Well screen was installed from 1 to 6 feet bls. The well was developed until the discharge water cleared.

Pasture Reserve 1

Huss installed the surficial aquifer monitor well using a Geoprobe drill rig and hollow-stem augurs at the Pasture Reserve 1 well site on January 29, 2019. The water table for the surficial aquifer was approximately 1.3 feet bls. Well screen was installed from 2 to 17.5 feet bls. The well was developed for approximately 40 minutes until the discharge water cleared. A specific capacity test was performed that yielded 2 gallons per minute per foot (gpm/ft) of drawdown.

Pasture Reserve 3

Huss installed the surficial aquifer monitor well using a Geoprobe drill rig and hollow-stem

augurs at the Pasture Reserve 3 well site on January 29, 2019. The water table for the surficial aquifer was approximately 2 feet bls. Well screen was installed from 2 to 9 feet bls. The well was developed for approximately 30 minutes until the discharge water cleared. A specific capacity test was performed that yielded 0.3 gpm/ft of drawdown.

Pasture Reserve 2

Huss installed the surficial aquifer monitor well using a Geoprobe drill rig and hollow-stem augurs at the Pasture Reserve 2 well site from January 29 to 30, 2019. The water table for the surficial aquifer was approximately 2.1 feet bls. Well screen was installed from 2 to 8 feet bls. Due to poor recharge, the well was developed intermittently by flushing, surging, and bailing until at least three well volumes were evacuated.

Hampton Colt Creek

District staff installed the surficial aquifer monitor well using a 6-inch manual hand auger at the Hampton Colt Creek well site on March 15, 2019. The water table for the surficial aquifer was approximately 2 feet bls. Well screen was installed from 0.5 to 5 feet bls. The well was developed until the discharge water cleared.

Hampton Gator Creek

District staff installed the surficial aquifer monitor well using a 6-inch manual hand auger at the Hampton Colt Creek well site on March 15, 2019. The water table for the surficial aquifer was approximately 2 feet bls. The basal confining unit for the surficial aquifer was delineated at two feet bls. The total depth of the well is 5 feet bls and well screen was installed from 0.5 to 5 feet bls. The well was developed for approximately 45 minutes until the discharge water cleared.

Alafia Reserve

District staff installed the surficial aquifer monitor well using a 6-inch manual hand auger at the Alafia Reserve well site on March 19, 2019. The water table for surficial aquifer was approximately 2 feet bls. Well screen was installed from 0.5 to 6 feet bls. Due to slow recharge, the well was developed intermittently by pumping and surging for approximately 90 minutes until the discharge water cleared.

Green Swamp Upper Withlacoochee

District staff installed the surficial aquifer monitor well using a 6-inch manual hand auger at the Green Swamp Upper Withlacoochee well site on June 11, 2019. The water table of the surficial aquifer was approximately 7 feet bls. The basal confining unit for the surficial aquifer was delineated at seven feet bls. The total depth of the well is 7 feet bls and well screen was installed from 3 to 7 feet bls. Due to slow recharge, the well was developed intermittently by pumping, flushing, and surging for approximately 45 minutes until the discharge water cleared.

Crooked Lake West 2

Mendez installed the surficial aquifer monitor well using a Diedrich 50 drill rig mounted on a Morooka track platform and hollow-stem augers at the Crooked Lake West 2 well site on September 25, 2019. The water table for the surficial aquifer was approximately 2 feet bls. The

basal confining unit for the surficial aquifer was delineated at 13 feet bls. The total depth of the well is 13 feet bls and well screen was installed from 3 to 13 feet bls. The well was pumped, flushed, and surged for approximately 2.5 hours. A polymer dispersant was used to break down drilling fluids within the well and in the surrounding formation during development. A specific capacity test was performed that yielded 0.6 gpm/ft of drawdown.

Arbuckle 2

Mendez installed the surficial aquifer monitor well using a Diedrich 50 drill rig mounted on a Morooka track platform and hollow-stem augers at the Arbuckle 2 well site on January 6, 2020. The water table for the surficial aquifer was approximately 5.5 feet bls. Well screen was installed from 5 to 35 feet bls. The well was developed for approximately 45 minutes until the discharge water cleared. A specific capacity test was performed that yielded four gpm/ft of drawdown.

Arbuckle 1

Mendez installed the surficial aquifer monitor well using a Diedrich 50 drill rig mounted on a Morooka track platform and hollow-stem augers at the Arbuckle 1 well site from January 6 to 7, 2020. The water table for the surficial aquifer was approximately 5 feet bls. Well screen was installed from 5 to 30 feet bls. The well was developed until the discharge water cleared. A specific capacity test was performed that yielded 10 gpm/ft of drawdown.

Walk-in-Water 2

Mendez installed the surficial aquifer monitor well using a Diedrich 50 drill rig mounted on a Morooka track platform and hollow-stem augers at the Walk-in-Water 2 well site from January 7 to 8, 2020. The water table for the surficial aquifer was approximately 5 feet bls. Well screen was installed from 5 to 35 feet bls. The well was developed for approximately 45 minutes until the discharge water cleared. A specific capacity test was performed that yielded 15 gpm/foot of drawdown.

Walk-in-Water 1

Mendez installed the surficial aquifer monitor well using a Diedrich 50 drill rig mounted on a Morooka track platform and hollow-stem augers at the Walk-in-Water 1 well site on January 8, 2020. The water table for the surficial aquifer was approximately 5 feet bls. Well screen was installed from 5 to 35 feet bls. The well was developed for approximately 45 minutes until the discharge water cleared. A specific capacity test was performed that yielded 17 gpm/foot of drawdown.

Mountain Lake Cutoff 2

Mendez installed the surficial aquifer monitor well using a Diedrich 50 drill rig mounted on a Morooka track platform and hollow-stem augers at the Mountain Lake Cutoff 2 well site on March 4, 2020. The water table for the surficial aquifer was approximately 7 feet bls. The basal confining unit for the surficial aquifer was delineated at 20 feet bls. The total depth of the well is 20 feet bls and the well screen was installed from 5 to 20 feet bls. The well was developed for approximately 45 minutes until the discharge water cleared. A specific capacity test was performed that yielded 2 gpm/ft of drawdown.

Crooked Lake West 1

District staff installed the surficial aquifer monitor well using a 6-inch manual hand auger at the Crooked Lake West 1 well site occurred on July 9, 2020. The water table of the surficial aquifer was approximately 3 feet bls. Well screen was installed from 1 to 6 feet bls. The well was developed until the discharge water cleared.

Lake Maude

NET installed the surficial aquifer monitor well using a Geoprobe 7720-DT track-mounted drill rig and hollow-stem augers at the Lake Maude well site on February 24, 2021. The water table of the surficial aquifer was approximately 2 feet bls. Well screen was installed from 3 to 18 feet bls. The well was developed for approximately 60 minutes. A specific capacity test was performed that yielded 0.4 gpm/ft of drawdown.

Lake Ned

NET installed the surficial aquifer monitor well using a Geoprobe 7720-DT track-mounted drill rig and hollow-stem augers at the Lake Ned well site between February 24 and 25, 2021. The water table of the surficial aquifer was approximately 16 feet bls. Well screen was installed from 5 to 35 feet bls. The well was developed for approximately 40 minutes. A specific capacity test was performed that yielded 0.3 gpm/ft of drawdown.

Tiger Creek 1

Mendez installed the surficial aquifer monitor well using a CME-55 drill rig and hollow-stem augers at the Tiger Creek 1 well site on June 21, 2021. The water table for the surficial aquifer was not measured, but it is noted on the drill log that the sand collected between 14 and 16 feet bls was wet. Well screen was installed from 15 to 30 feet bls. The well was developed for 30 minutes until the discharge water cleared.

Saddle Blanket Scrub 3

Mendez installed the surficial aquifer monitor well using a CME-55 drill rig and hollow-stem augers at the Saddle Blanket Scrub 3 well site on June 22, 2021. The water table for the surficial aquifer was not measured. Well screen was installed from 10 to 20 feet bls. The well was developed for approximately 45 minutes until the discharge water cleared. A specific capacity test was performed that yielded 1 gpm/ft of drawdown.

Saddle Blanket Scrub 1

Mendez installed the surficial aquifer monitor well using a CME-55 drill rig and hollow-stem augers at the Saddle Blanket Scrub 1 well site on June 22, 2021. The water table for the surficial aquifer was not measured. Well screen was installed from 10 to 20 feet bls. The well was developed for approximately 35 minutes until the discharge water cleared. A specific capacity test was performed that yielded 3 gpm/ft of drawdown.

Lake Marie

Mendez installed the surficial aquifer monitor well using a CME-55 drill rig and hollow-stem augers at the Lake Marie well site on June 23, 2021. The water table for the surficial aquifer was not measured. Well screen was installed from 10 to 20 feet bls. The well was developed for approximately 45 minutes until the discharge water cleared.

Tiger Creek 2

Mendez installed the surficial aquifer monitor well using the jetting method from June 26 to 27, 2021. The water table for the surficial aquifer was not measured. Well screen was installed from 10 to 20 feet bls. The well was developed for 45 minutes until the discharge water cleared.

Crooked Lake WEA 1

Mendez installed the surficial aquifer monitor well using a CME-55 drill rig and hollow-stem augers at the Crooked Lake WEA 1 well site on December 14, 2021. Well screen was installed from 5 to 20 feet bls. The well was developed for 103 minutes until the discharge water cleared. A specific capacity test was performed on January 25, 2022. The surficial aquifer water table was recorded prior to the specific capacity test at approximately 1.4 feet bls. The well was pumped for 19 minutes and yielded 0.5 gpm/ft of drawdown.

Crooked Lake WEA 2

Mendez installed the surficial aquifer monitor well using a CME-55 drill rig and hollow-stem augers at the Crooked Lake WEA 2 well site on December 14, 2021. Well screen was installed from 5 to 20 feet bls. The well was developed for 40 minutes until the discharge water cleared. A specific capacity test was performed on January 25, 2022. The surficial aquifer water table was recorded prior to the specific capacity test at approximately 1.2 feet bls. The well was pumped for 16 minutes and yielded 2 gpm/ft of drawdown.

Gator Creek Reserve 1

Mendez installed the surficial aquifer monitor well using a CME-75 drill rig and hollow-stem augers at the Gator Creek Reserve 1 well site on October 25, 2022. The water table for the surficial aquifer was 2.9 feet bls. Well screen was installed from 10 to 25 feet bls. The well was developed for 42 minutes until the discharge water cleared. A specific capacity test was performed that yielded 3 gpm/ft of drawdown.

Gator Creek Reserve 2

Mendez installed the surficial aquifer monitor well using a CME-75 drill rig and hollow-stem augers at the Gator Creek Reserve 2 well site on October 25, 2022. The water table for the surficial aquifer was 4.26 feet bls. Well screen was installed from 10 to 25 feet bls. The well was developed for 56 minutes until the discharge water cleared. A specific capacity test was performed that yielded 0.2 gpm/ft of drawdown.

Bonnet Lake Marsh

Mendez installed the surficial aquifer monitor well using a CME-75 drill rig and hollow-stem augers at the Bonnet Lake Marsh well site on December 2, 2022. The water table for the surficial aquifer was 0.73 feet bls. Well screen was installed from 10 to 25 feet bls. The well was developed for 30 minutes until the discharge water cleared. A specific capacity test was performed that yielded 0.6 gpm/ft.

Crooked Lake Prairie

District staff installed the surficial aquifer monitor well using a 6-inch manual hand auger at the Crooked Lake Prairie well site on December 19, 2022. The water table of the surficial aquifer was approximately 3 feet bls. Well screen was installed from 5 to 10 feet bls. The well was developed until the discharge water cleared.

Hickory Lake Scrub

District staff installed the surficial aquifer monitor well using a 6-inch manual hand auger at the Hickory Lake Scrub well site on January 19, 2023. The water table for the surficial aquifer was not measured, but it is noted on the drill log that the sand collected between 5 and 6 feet bls was wet. Well screen was installed from 5 to 10 feet bls. The well was developed until the discharge water cleared.

Hilochee Osprey West

Mendez installed the surficial aquifer monitor well using a CME-75 drill rig and hollow-stem augers at the Hilochee Osprey West well site on June 16, 2023. Wet sand was noted at 5 feet bls during sample collection. Well screen was installed from 3 to 13 feet bls. The well was developed for 20 minutes until the discharge water cleared. After well development, the water level for the surficial aquifer was approximately 6.5 feet bls.

JZ:
Attachments (6)

Attachment 1. Summary of well construction details at the Central Florida Water Initiative Data, Monitoring, and Investigations Team wetland monitor well sites in Polk County, Florida

[SID, station identification; DD MM SS.SS, degrees minutes seconds; bls, below land surface; NAVD 88, North American Vertical Datum of 1988; WCP No., well construction permit number; Surf, surficial; Aq, aquifer; Water levels shown are from the September 30, 2021 recording]

Well Name	SID	Latitude (DD MM SS.SS)	Longitude (DD MM SS.SS)	Casing Depth (feet bls)	Casing Diameter (inches)	Screen or Open Hole Length (feet)	Total Depth (feet bls)	Land Surface Elevation (feet NAVD 88)	Water Level Elevation (feet NAVD 88)	WCP No.
Green Swamp 7 Upland Surf Aq Monitor Repl	871736	28 18 45.38	81 54 39.63	1	2	3	4	106	102.8	853539
Alston New Cypress Surf Aq Monitor	875833	28 11 01.55	82 05 27.30	1	2	5	6	99.2	96.97	855389
Pasture Reserve 1 Surf Aq Monitor	916157	28 29 11.21	81 52 38.99	2	2	15.5	17.5	106.90	101.41	875599
Pasture Reserve 3 Surf Aq Monitor	918556	28 29 20.01	81 52 18.24	2	2	7	9	107.50	102.29	875601
Pasture Reserve 2 Surf Aq Monitor	918548	28 29 20.73	81 52 36.65	2	2	6	8	106.70	101.61	875600
Hampton Colt Creek Surf Aq Monitor	918995	28 17 33.65	82 00 21.87	0.5	2	4.5	5	95.80	93.65	876373
Hampton Gator Creek Surf Aq Monitor	919004	28 14 56.48	82 00 01.96	0.5	2	4.5	5	100.70	97.66	876375
Alafia Reserve Surf Aq Monitor	919091	27 54 26.39	82 02 28.52	0.5	2	5.5	6	74.70	69.33	876225
Green Swamp Up Withlacoochie Surf Aq Monitor	922694	28 19 50.20	81 55 22.83	3	2	4	7	104.50	98.93	879373
Crooked Lake West 2 Surf Aq Monitor	927373	27 49 03.64	81 36 07.86	3	2	10	13	132.07	126.63	882285

Attachment 1. (continued) Summary of well construction details at the Central Florida Water Initiative Data, Monitoring, and Investigations Team wetland monitor well sites in Polk County, Florida

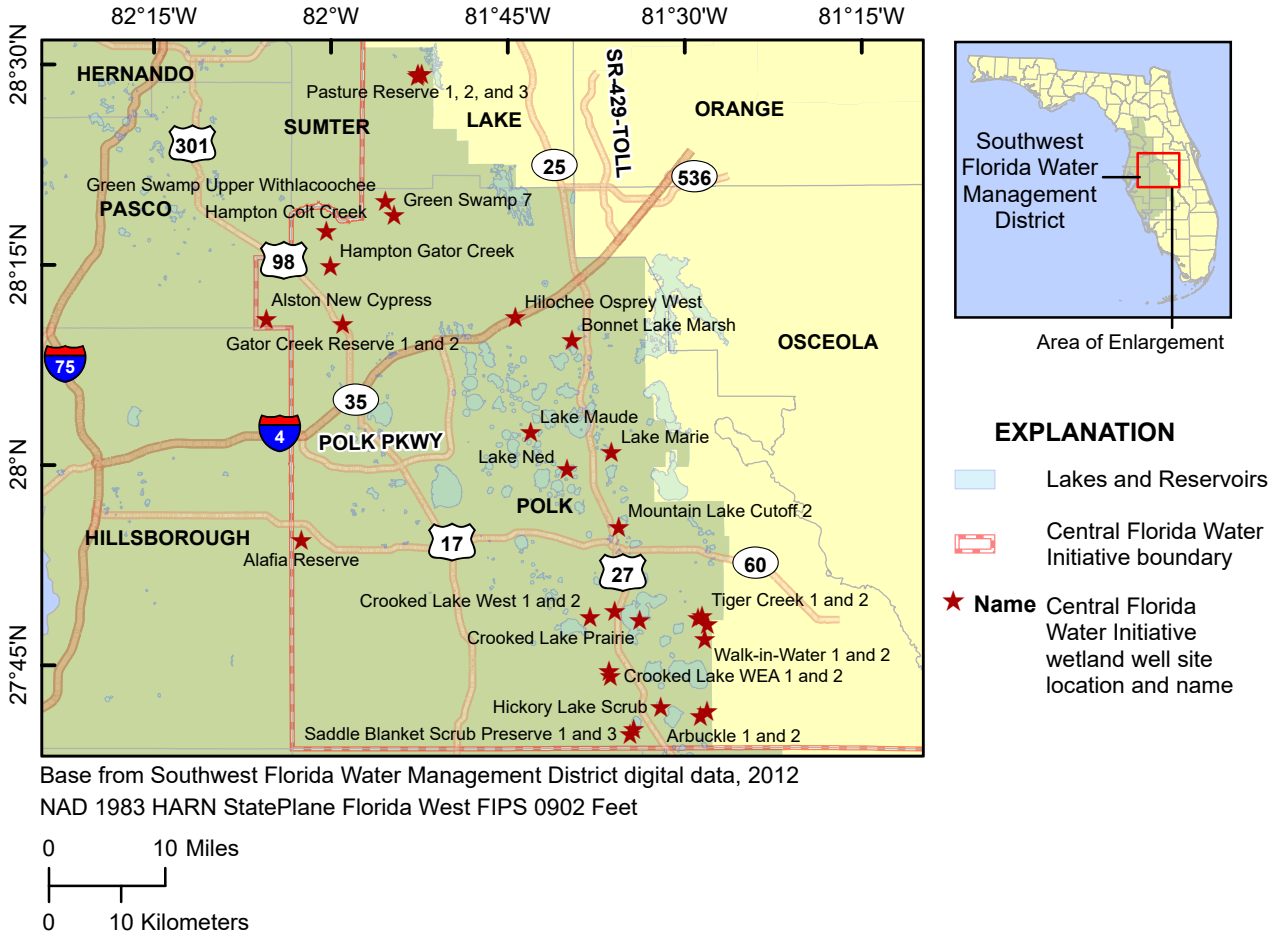
[SID, station identification; DD MM SS.SS, degrees minutes seconds; bls, below land surface; NAVD 88, North American Vertical Datum of 1988; WCP No., well construction permit number; Surf, surficial; Aq, aquifer; Water levels shown are from the September 30, 2021 recording]

Well Name	SID	Latitude (DD MM SS.SS)	Longitude (DD MM SS.SS)	Casing Depth (feet bls)	Casing Diameter (inches)	Screen or Open Hole Length (feet)	Total Depth (feet bls)	Land Surface Elevation (feet NAVD 88)	Water Level Elevation (feet NAVD 88)	WCP No.
Arbuckle 2 Surf Aq Monitor	932085	27 41 32.58	81 28 20.07	5	2	30	35	83.40	79.77	885087
Arbuckle 1 Surf Aq Monitor	932092	27 41 11.28	81 28 54.72	5	2	25	30	84.30	81.17	885087
Walk-in-Water 2 Surf Aq Monitor	932094	27 46 59.75	81 28 30.58	5	2	30	35	99.00	90.19	885116
Walk-in-Water 1 Surf Aq Monitor	932093	27 46 59.74	81 28 30.55	5	2	30	35	96.13	90.19	885116
Mountain Lake Cutoff 2 Surf Aq Monitor	934904	27 55 23.35	81 35 43.42	5	2	15	20	132.10	126.48	886367
Crooked Lake West 1 Surf Aq Monitor	942474	27 48 37.46	81 38 11.96	1	2	5	6	141.42	137.46	889555
Lake Maude Surf Aq Monitor	955188	28 02 25.39	81 43 04.44	3	2	15	18	142.43	137.74	898232
Lake Ned Surf Aq Monitor	954843	27 59 43.56	81 39 59.41	5	2	30	35	144.81	127.25	898240
Tiger Creek 1 Surf Aq Monitor	964144	27 48 31.95	81 29 04.73	15	2	15	30	83.31	84.89	901004
Saddle Blanket Scrub Preserve 3 Surf Aq Monitor	965387	27 40 14.35	81 34 30.60	10	2	10	20	123.61	118.83	901005

Attachment 1. (continued) Summary of well construction details at the Central Florida Water Initiative Data, Monitoring, and Investigations Team wetland monitor well sites in Polk County, Florida

[SID, station identification; DD MM SS.SS, degrees minutes seconds; bls, below land surface; NAVD 88, North American Vertical Datum of 1988; WCP No., well construction permit number; Surf, surficial; Aq, aquifer; Water levels shown are from the September 30, 2021 recording]

Well Name	SID	Latitude (DD MM SS.SS)	Longitude (DD MM SS.SS)	Casing Depth (feet bls)	Casing Diameter (inches)	Screen or Open Hole Length (feet)	Total Depth (feet bls)	Land Surface Elevation (feet NAVD 88)	Water Level Elevation (feet NAVD 88)	WCP No.
Saddle Blanket Scrub Preserve 1 Surf Aq Monitor	965378	27 39 51.60	81 34 49.61	10	2	10	20	124.81	120.37	901005
Lake Marie Surf Aq Monitor	963930	28 00 59.08	81 36 18.56	10	2	10	20	118.49	112.32	902890
Tiger Creek 2 Surf Aq Monitor	964152	27 48 41.78	81 28 43.94	10	2	10	20	93.81	85.27	901004
Crooked Lake WEA 1 Surf Aq Monitor	974289	27 44 04.15	81 36 23.37	5	2	15	20	148.54	144.89	908861
Crooked Lake WEA 2 Surf Aq Monitor	974365	27 44 38.59	81 36 34.08	5	2	15	20	144.07	140.31	908861
Gator Creek Reserve 1 Surf Aq Monitor	993108	28 10 35.86	81 59 00.44	10	2	15	25	--	--	919636
Gator Creek Reserve 2 Surf Aq Monitor	1012513	28 10 56.78	81 57 35.10	10	2	15	25	--	--	919634
Bonnet Lake Marsh Surf Aq Monitor	1012509	28 09 24.05	81 39 35.55	10	2	15	25	--	--	921188
Crooked Lake Prairie Surf Aq Monitor	1012955	27 48 26.04	81 33 59.04	5	2	5	10	--	--	921830
Hickory Lake Scrub Surf Aq Monitor	996352	27 41 53.28	81 32 13.78	5	2	5	10	100.12		921827
Hilochee Osprey Surf Aq Monitor	1012959	28 11 06.28	81 44 23.67	3	2	10	13	--	--	921189

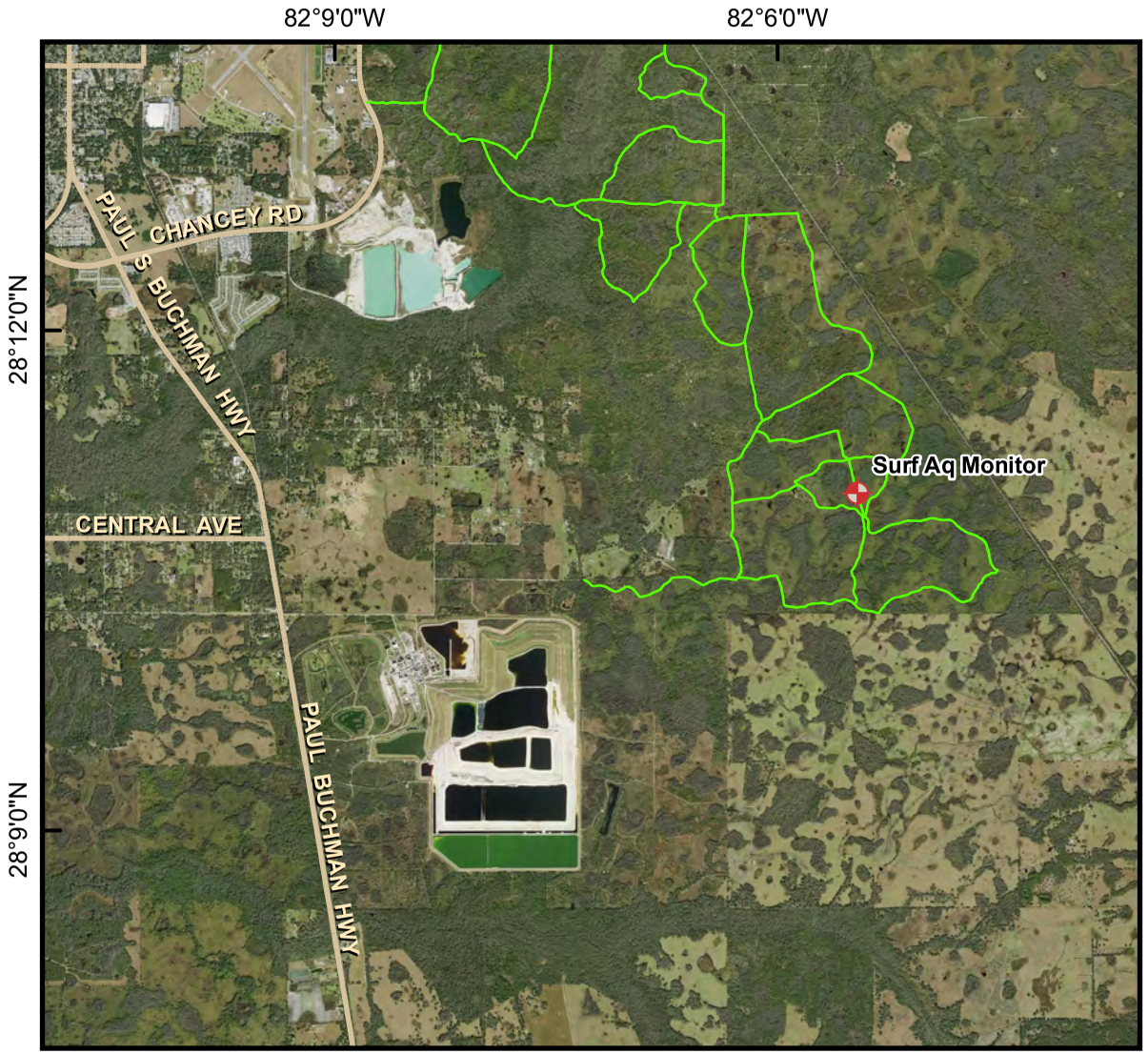


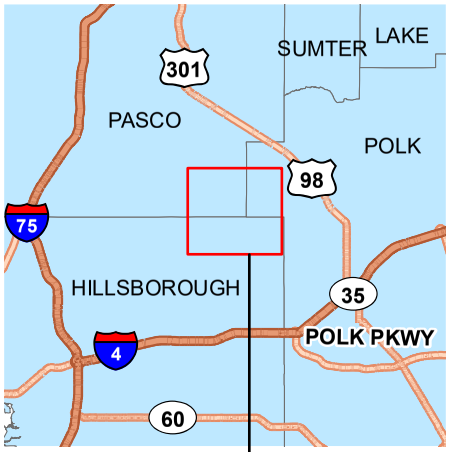
[NAD, North American Datum; HARN, High Accuracy Reference Network; FIPS, Federal Information Processing Standards]

Attachment 2. Central Florida Water Initiative Data, Monitoring, and Investigations Team wetland monitor well sites.

[N, north; Surf, surficial; Aq, aquifer; Repl, Replacement; NAD, North American Datum; HARN, High Accuracy Reference Network; FIPS, Federal Information Processing Standards; W, west]

Attachment 3. Well site layout of the Green Swamp 7 Upland Replacement well site in Polk County, Florida.





EXPLANATION

District Recreational Trail

Alston New Cypress monitor well location and name

See attachment 1 for well details

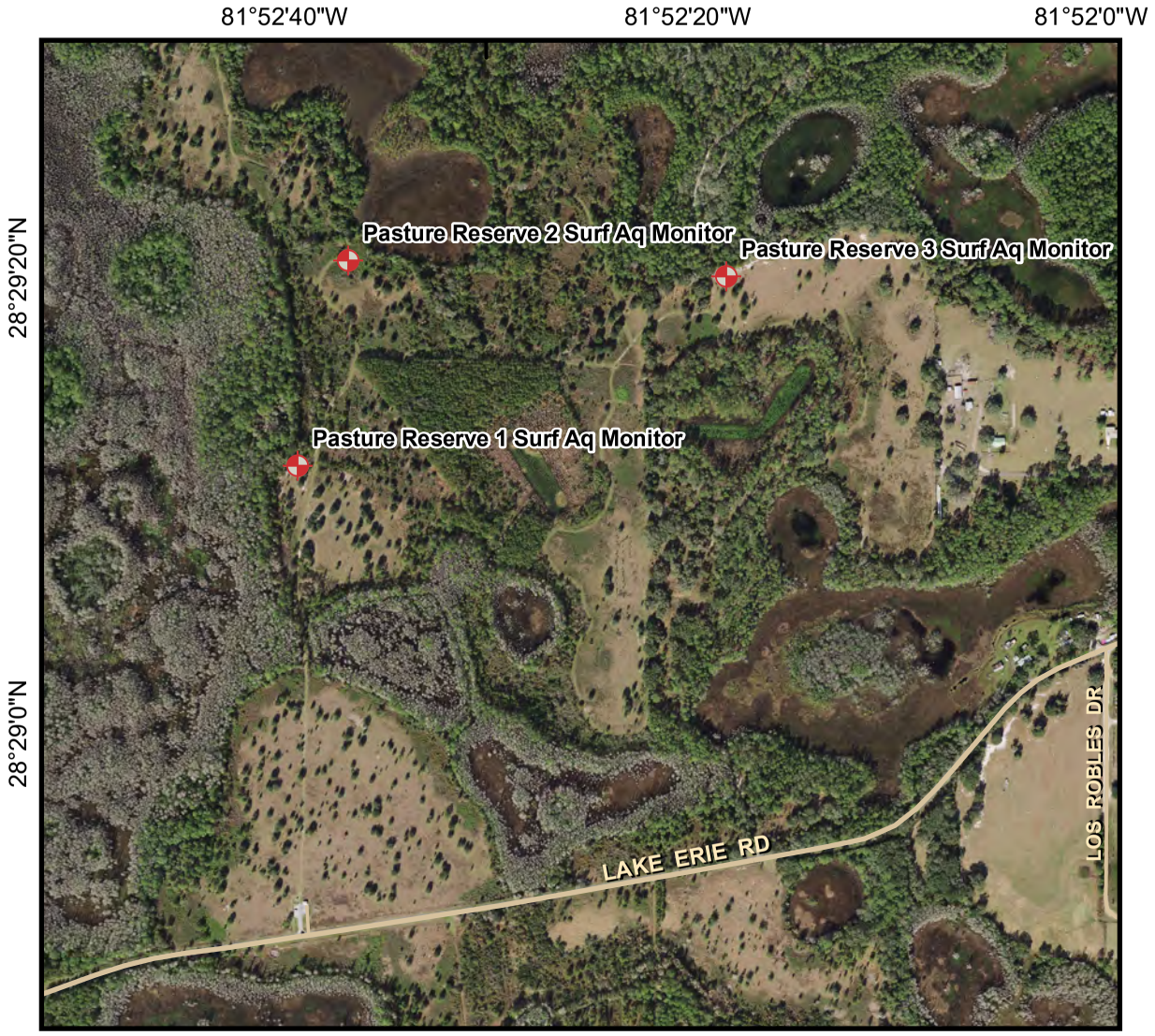
Base from Southwest Florida Water Management District digital orthophoto, 2023
NAD 1983 HARN StatePlane Florida West FIPS 0902 Feet Projection

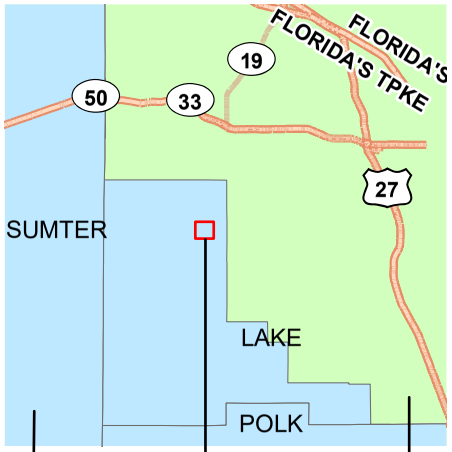
0 0.5 1 2 Miles

0 0.5 1 2 Kilometers

[RD, Road; HWY, Highway; AVE, Avenue; PKWY, Parkway; Surf, surficial; Aq, aquifer; NAD, North American Datum; HARN, High Accuracy Reference Network; FIPS, Federal Information Processing Standards; N, north; W, west]

Attachment 3. Well site location of the Alston New Cypress well site in Polk County, Florida.





EXPLANATION

Pasture Reserve monitor well locations and names

See attachment 1 for well details

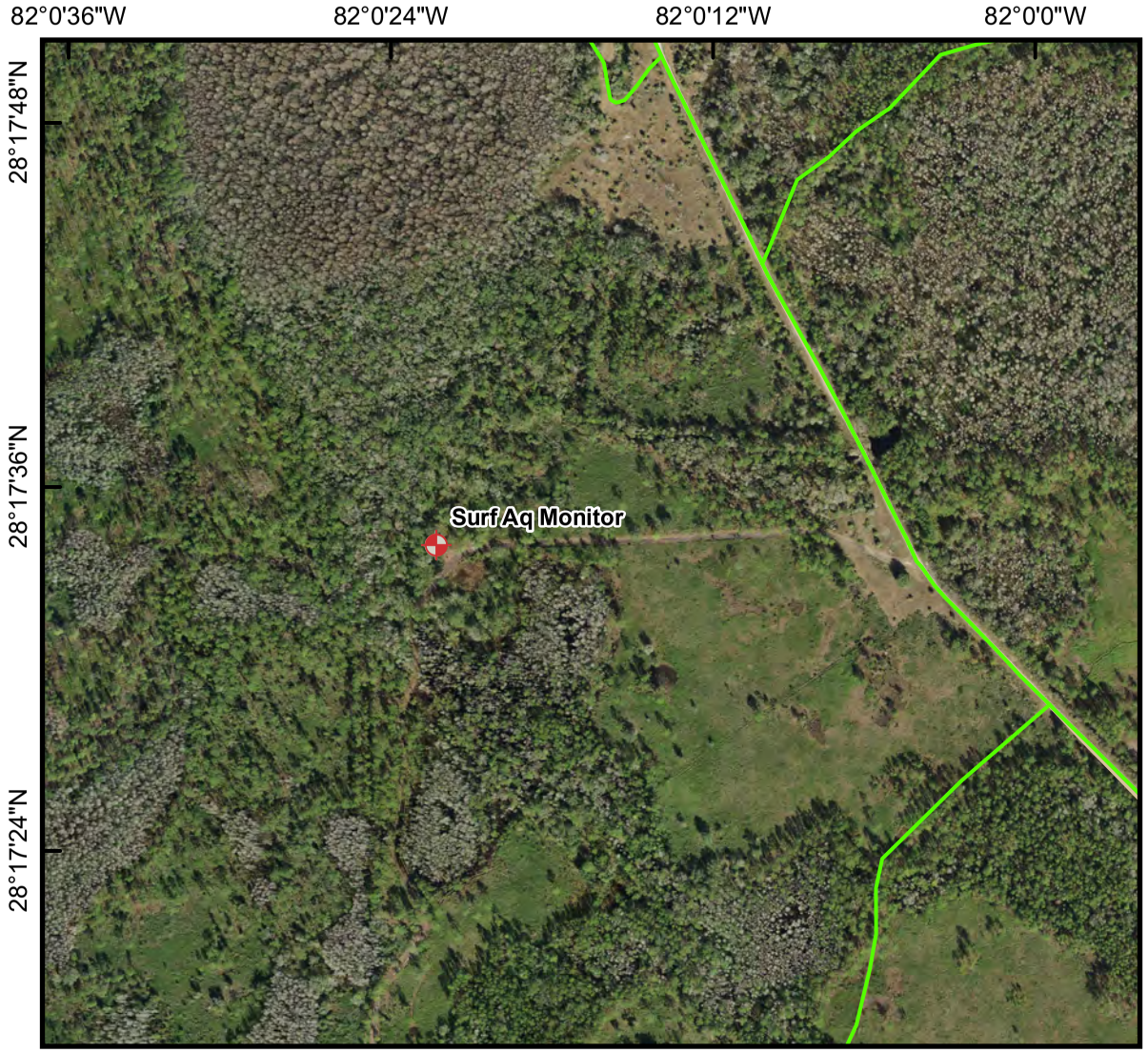
Base from Southwest Florida Water Management District digital orthophoto, 2023
NAD 1983 HARN StatePlane Florida West FIPS 0902 Feet Projection

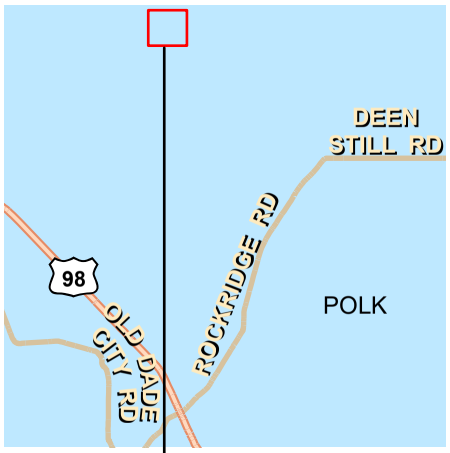
0 400 800 2,000 Feet

0 75 150 300 Meters

[Surf, surficial; Aq, aquifer; RD, Road; DR, Drive; TPKE, Turnpike; NAD, North American Datum; HARN, High Accuracy Reference Network; FIPS, Federal Information Processing Standards; N, north; W, west]

Attachment 3. Well site layout of the Pasture Reserve well sites in Lake County, Florida.





EXPLANATION

District Recreational Trail

Hampton Colt Creek monitor well location and name

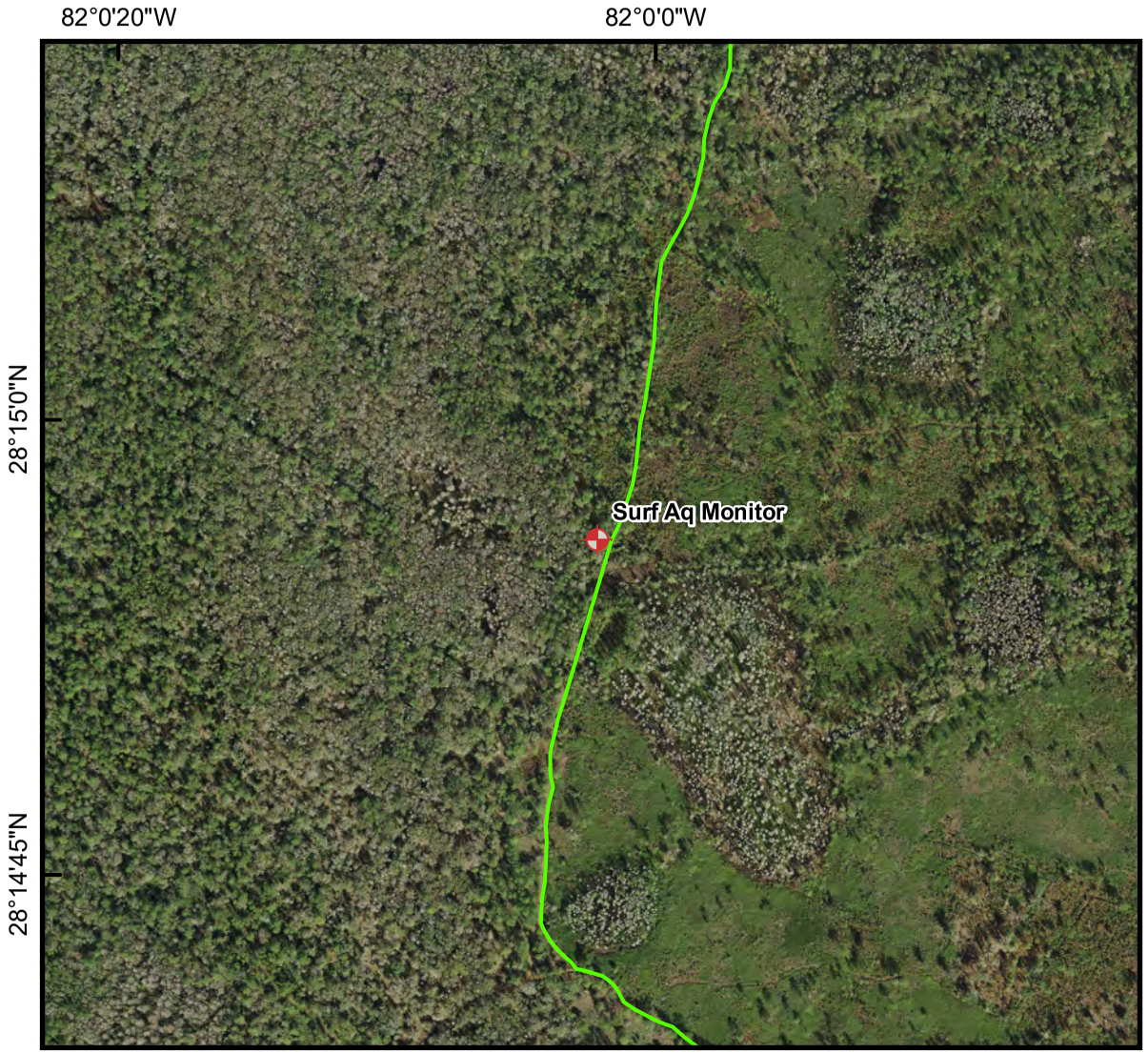
See attachment 1 for well details

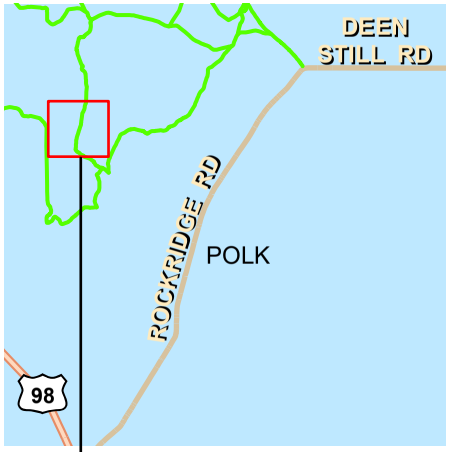
Base from Southwest Florida Water Management District digital orthophoto, 2023
NAD 1983 HARN StatePlane Florida West FIPS 0902 Feet Projection

0 300 500 1,000 Feet
0 50 100 200 Meters

[N, north; Surf, surficial; Aq, aquifer; RD, Road; NAD, North American Datum; HARN, High Accuracy Reference Network; FIPS, Federal Information Processing Standards; W, west]

Attachment 3. Well site layout of the Hampton Colt Creek well site in Polk County, Florida.





EXPLANATION

District Recreational Trail

Hampton Gator Creek monitor well location and name

See attachment 1 for well details

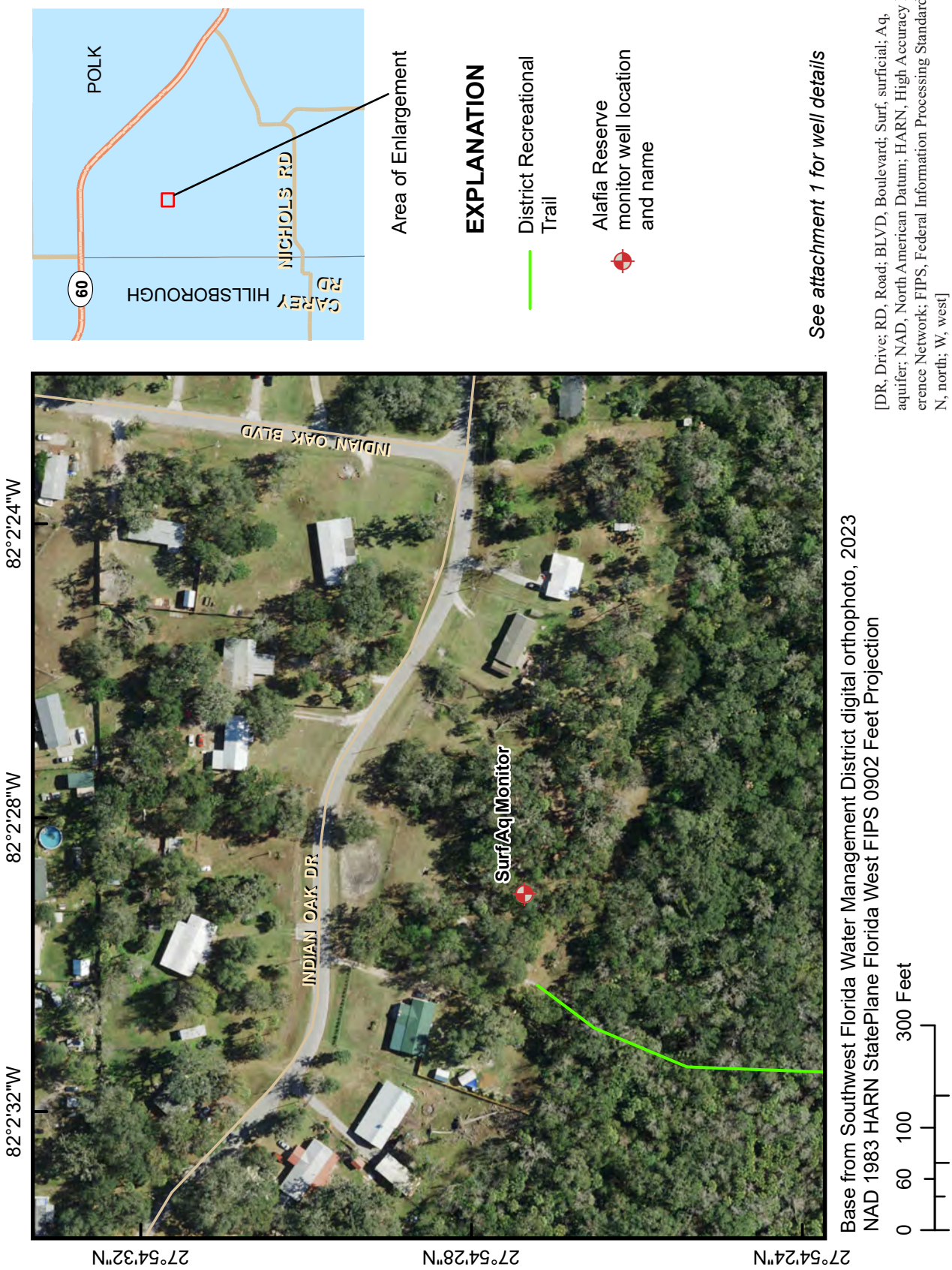
Base from Southwest Florida Water Management District digital orthophoto, 2023
NAD 1983 HARN StatePlane Florida West FIPS 0902 Feet Projection

0 300 500 1,000 Feet

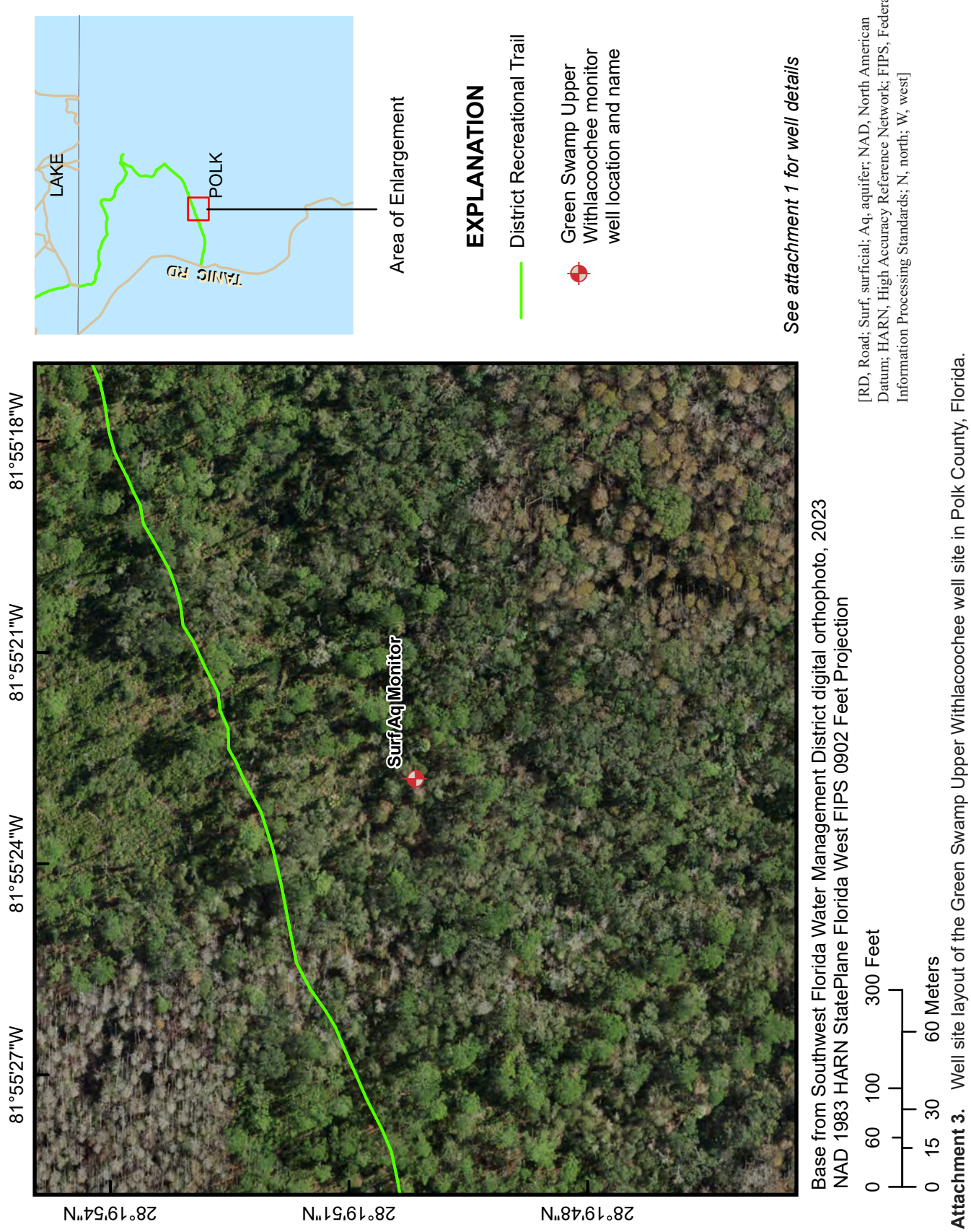
0 50 100 200 Meters

[N, north; RD, Road; Surf, surficial; Aq, aquifer; NAD, North American Datum; HARN, High Accuracy Reference Network; FIPS, Federal Information Processing Standards; W, west]

Attachment 3. Well site layout of the Hampton Gator Creek well site in Polk County, Florida.



Attachment 3. Well site layout of the Alafia Reserve well site in Polk County, Florida.



Attachment 3. Well site layout of the Green Swamp Upper Withlacoochee well site in Polk County, Florida.

[Surf, surficial; Aq, aquifer; NAD, North American Datum; HARN, High Accuracy Reference Network; FIPS, Federal Information Processing Standards; N, north; W, west]

Attachment 3. Well site layout of the Crooked Lake West 2 well site in Polk County, Florida.

[Surf, surficial; Aq, aquifer; NAD, North American Datum; HARN, High Accuracy Reference Network; FIPS, Federal Information Processing Standards; N, north; W, west]

Attachment 3. Well site layout of the Arbuckle well sites in Polk County, Florida.

Attachment 3. Well site layout of the Walk-in-Water 2 well site in Polk County, Florida.

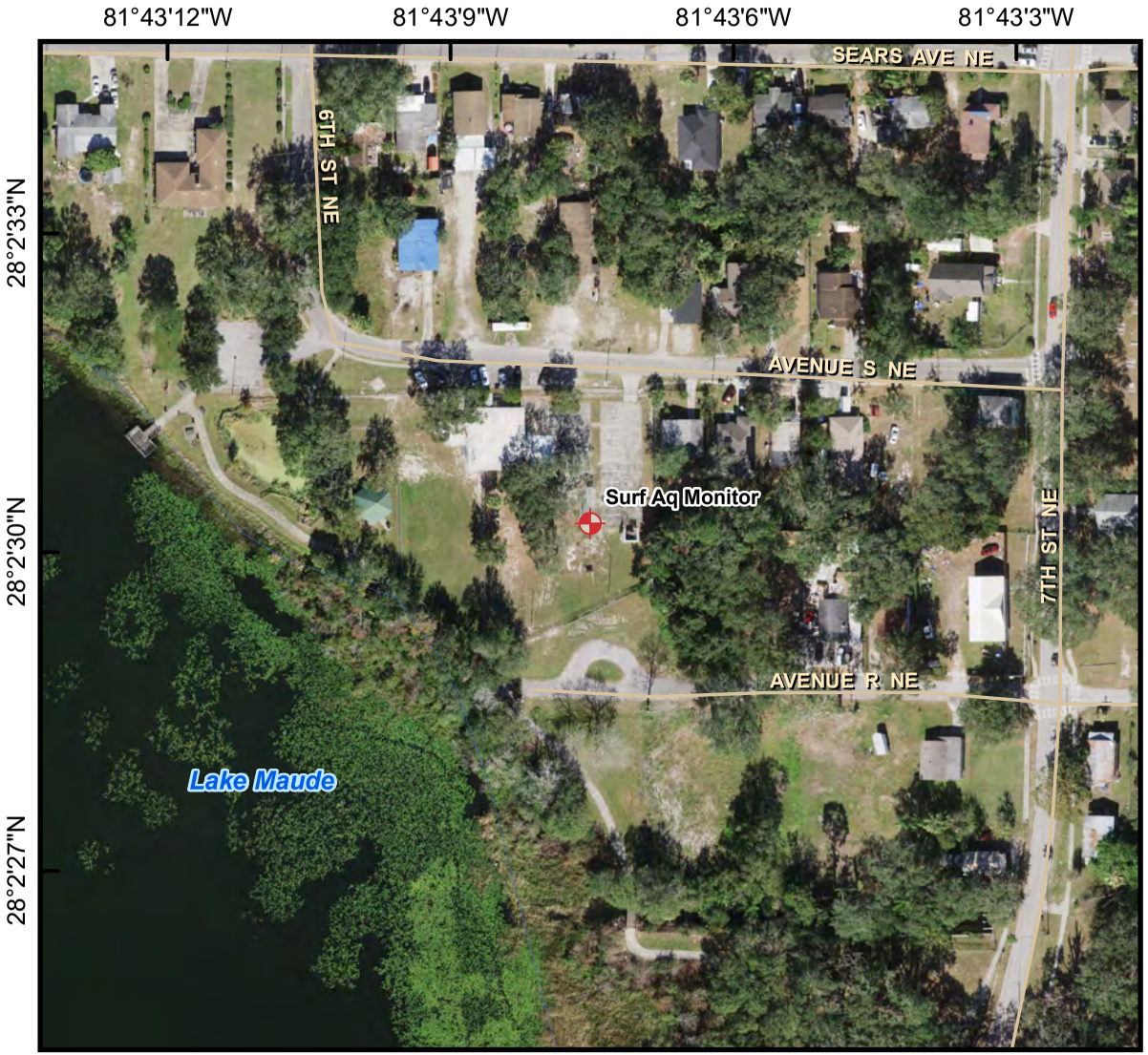
Attachment 3. Well site layout of the Walk-in-Water 1 well site in Polk County, Florida.

[HWY, Highway; Surf, surficial; Aq, aquifer; NAD, North American Datum; HARN, High Accuracy Reference Network; FIPS, Federal Information Processing Standards; N, north; W, west]

Attachment 3. Well site layout of the Mountain Lake Cutoff 2 well site in Polk County, Florida.

[RD, Road; E, east; Surf, surficial; Aq, aquifer; NAD, North American Datum; HARN, High Accuracy Reference Network; FIPS, Federal Information Processing Standards; N, north; W, west]

Attachment 3. Well site layout of the Crooked Lake West 1 well site in Polk County, Florida.



EXPLANATION

Lake Maude monitor well location and name

See attachment 1 for well details

Base from Southwest Florida Water Management District digital orthophoto, 2023
NAD 1983 HARN StatePlane Florida West FIPS 0902 Feet Projection

0 100 200 400 Feet
0 25 50 100 Meters

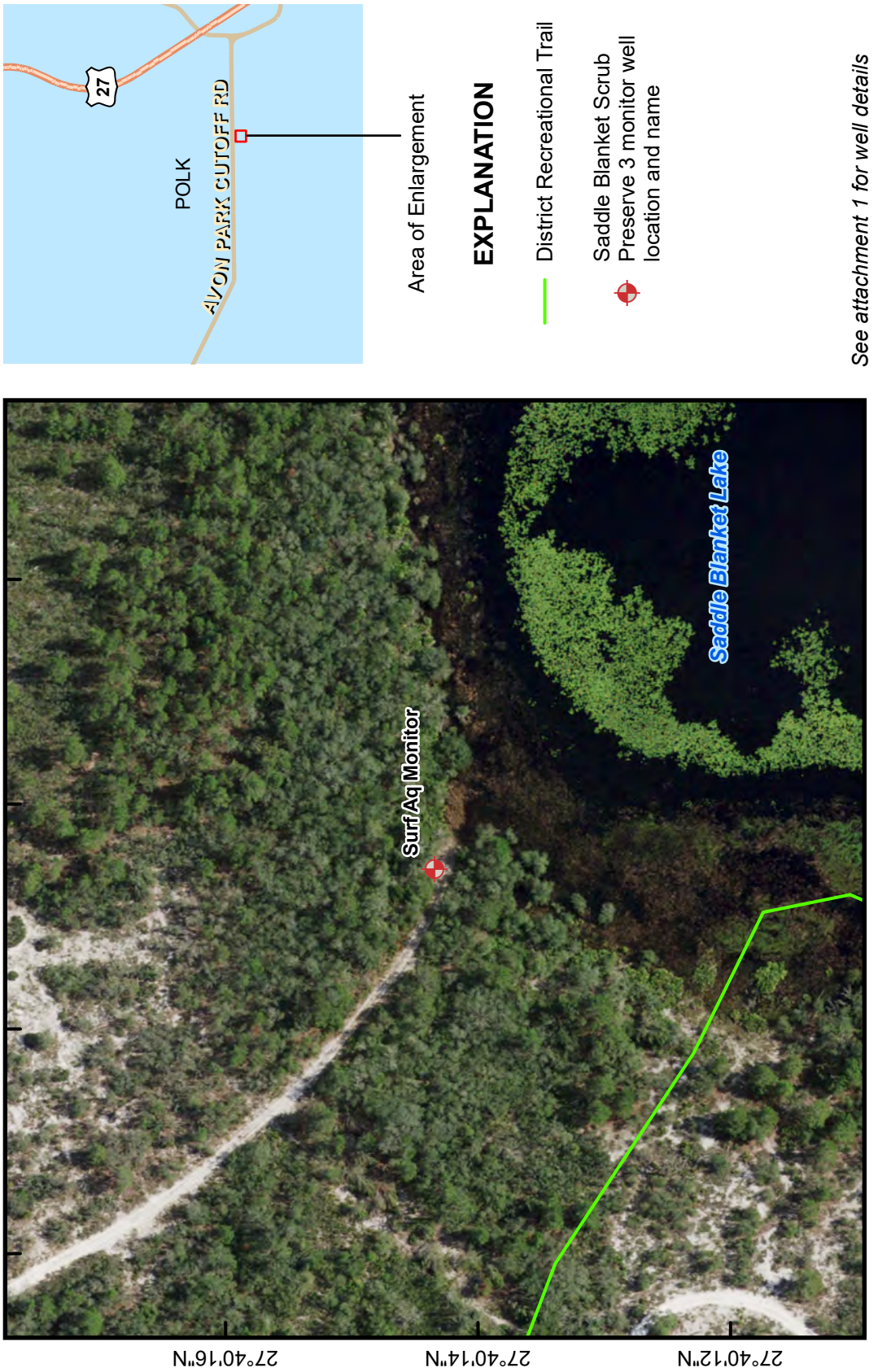
[NE, northeast; AVE, Avenue; S, south; ST, Street; PKWY, Parkway; Surf, surficial; Aq, aquifer; NAD, North American Datum; HARN, High Accuracy Reference Network; FIPS, Federal Information Processing Standards; N, north; W, west]

Attachment 3. Well site layout of the Lake Maude well site in Polk County, Florida.

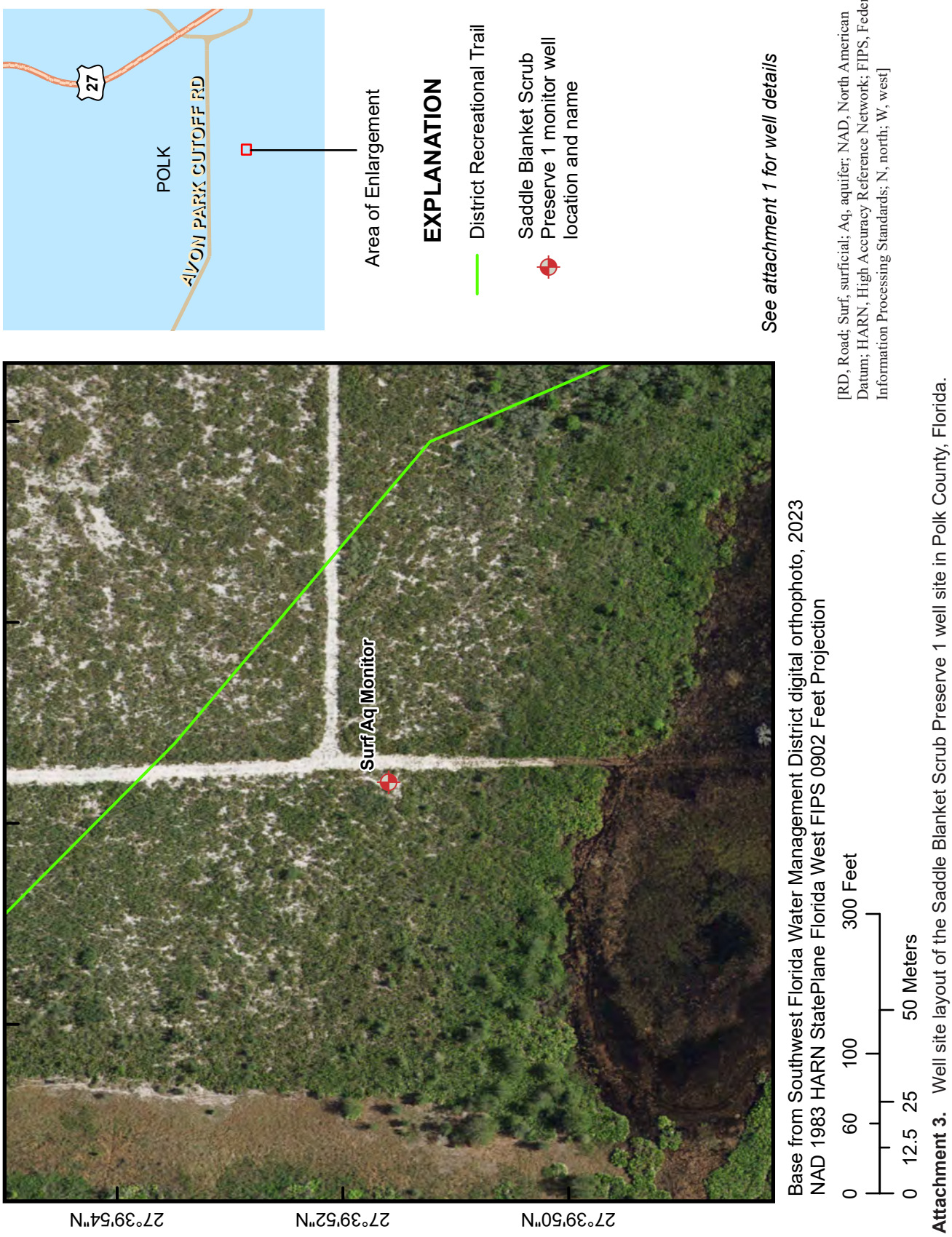
[RD, Road; CT, Court; SE, southeast; CIR, Circle; Surf, surficial; Aq, aquifer; NAD, North American Datum; HARN, High Accuracy Reference Network; FIPS, Federal Information Processing Standards; N, north; W, west]

Attachment 3. Well site layout of the Lake Ned well site in Polk County, Florida.

Attachment 3. Well site layout of the Tiger Creek 1 well site in Polk County, Florida.



Attachment 3. Well site layout of the Saddle Blanket Scrub Preserve 3 well site in Polk County, Florida.



Attachment 3. Well site layout of the Saddle Blanket Scrub Preserve 1 well site in Polk County, Florida.

See attachment 1 for well details

[RD, Road; HWY, Highway; AVE, Avenue; E, east; ST, Street; Surf, surficial; Aq, aquifer; NAD, North American Datum; HARN, High Accuracy Reference Network; FIPS, Federal Information Processing Standards; N, north; W, west]

Attachment 3. Well site layout of the Lake Marie well site in Polk County, Florida.

[RD, Road; Surf, surficial; Aq, aquifer; NAD, North American Datum; HARN, High Accuracy Reference Network; FIPS, Federal Information Processing Standards; N, north; W, west]

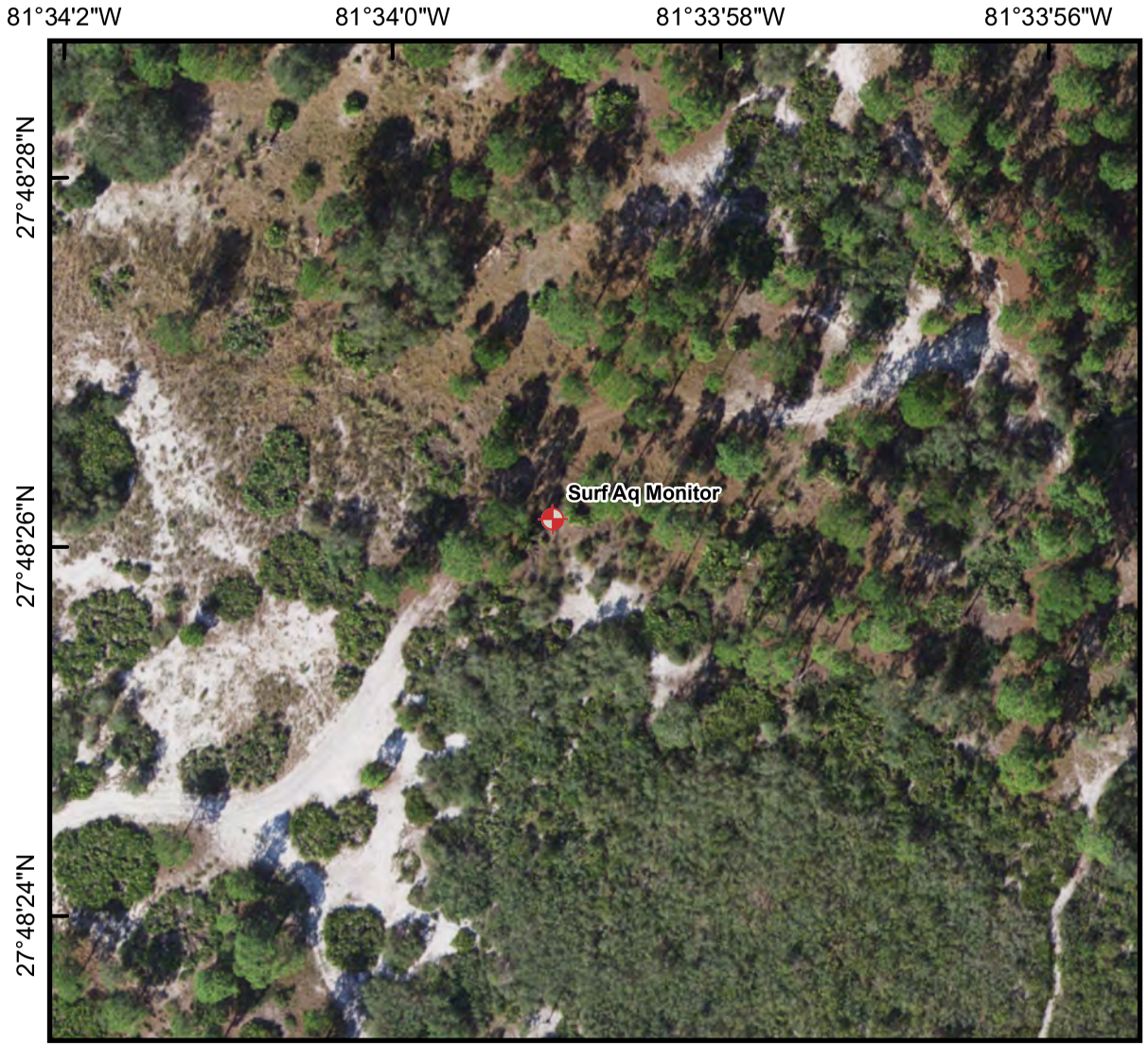
Attachment 3. Well site layout of the Tiger Creek 2 well site in Polk County, Florida.

[Surf, surficial; Aq, aquifer; NAD, North American Datum; HARN, High Accuracy Reference Network; FIPS, Federal Information Processing Standards; N, north; W, west; WEA Wildlife and Environmental Area]

Attachment 3. Well site layout of the Crooked Lake WEA 1 well site in Polk County, Florida.

[Surf, surficial; Aq, aquifer; NAD, North American Datum; HARN, High Accuracy Reference Network; FIPS, Federal Information Processing Standards; N, north; W, west; WEA, Wildlife and Environmental Area]

Attachment 3. Well site layout of the Crooked Lake WEA 2 well site in Polk County, Florida.



EXPLANATION

Crooked Lake Prairie monitor well location and names

See attachment 1 for well details

Base from Southwest Florida Water Management District digital orthophoto, 2023
NAD 1983 HARN StatePlane Florida West FIPS 0902 Feet Projection

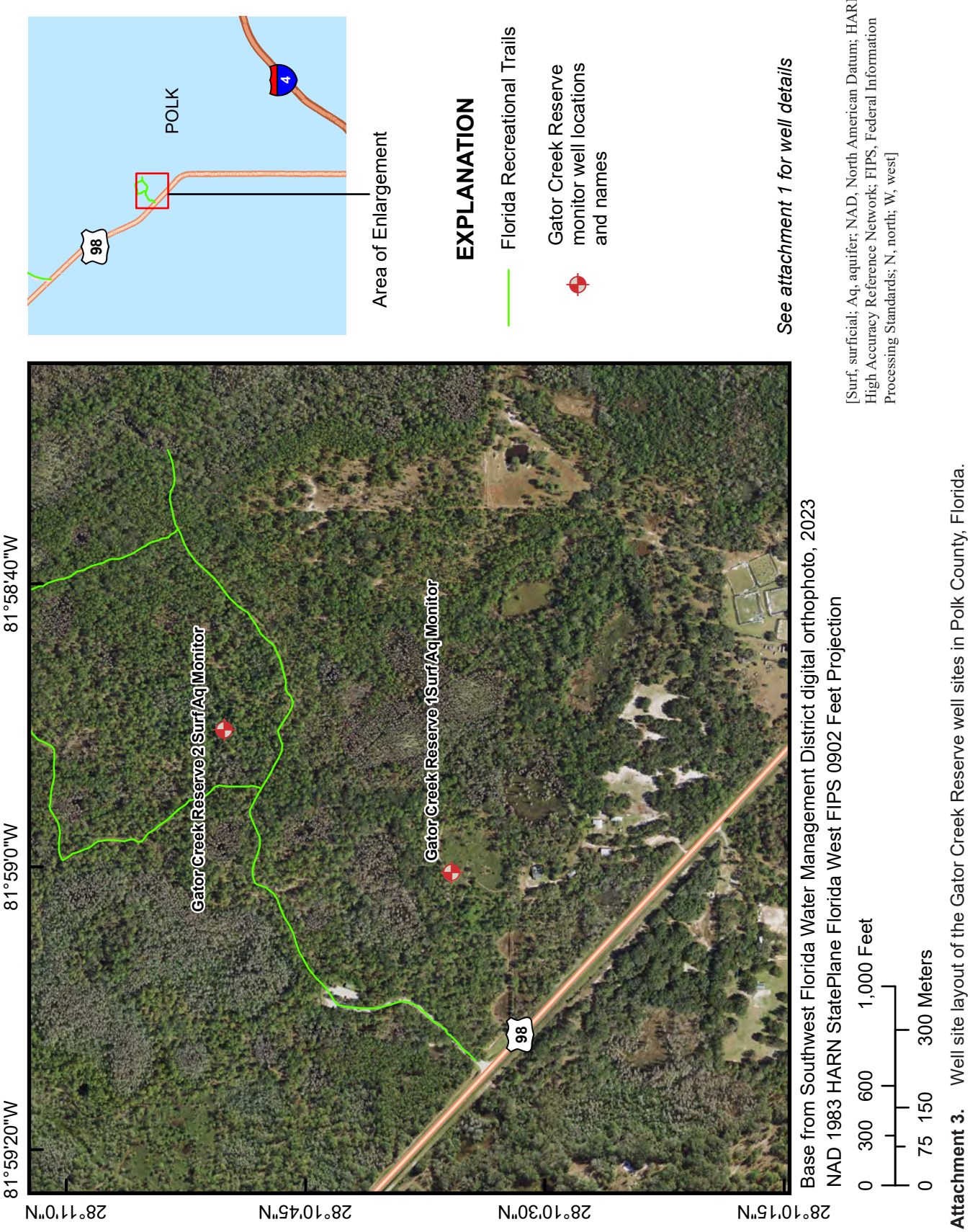
0 40 70 100 Feet
0 5 10 20 Meters

[HWY, Highway; S, south; Surf, surficial; Aq, aquifer; NAD, North American Datum; HARN, High Accuracy Reference Network; FIPS, Federal Information Processing Standards; N, north; W, west]

Attachment 3. Well site layout of the Crooked Lake Prairie well site in Polk County, Florida.

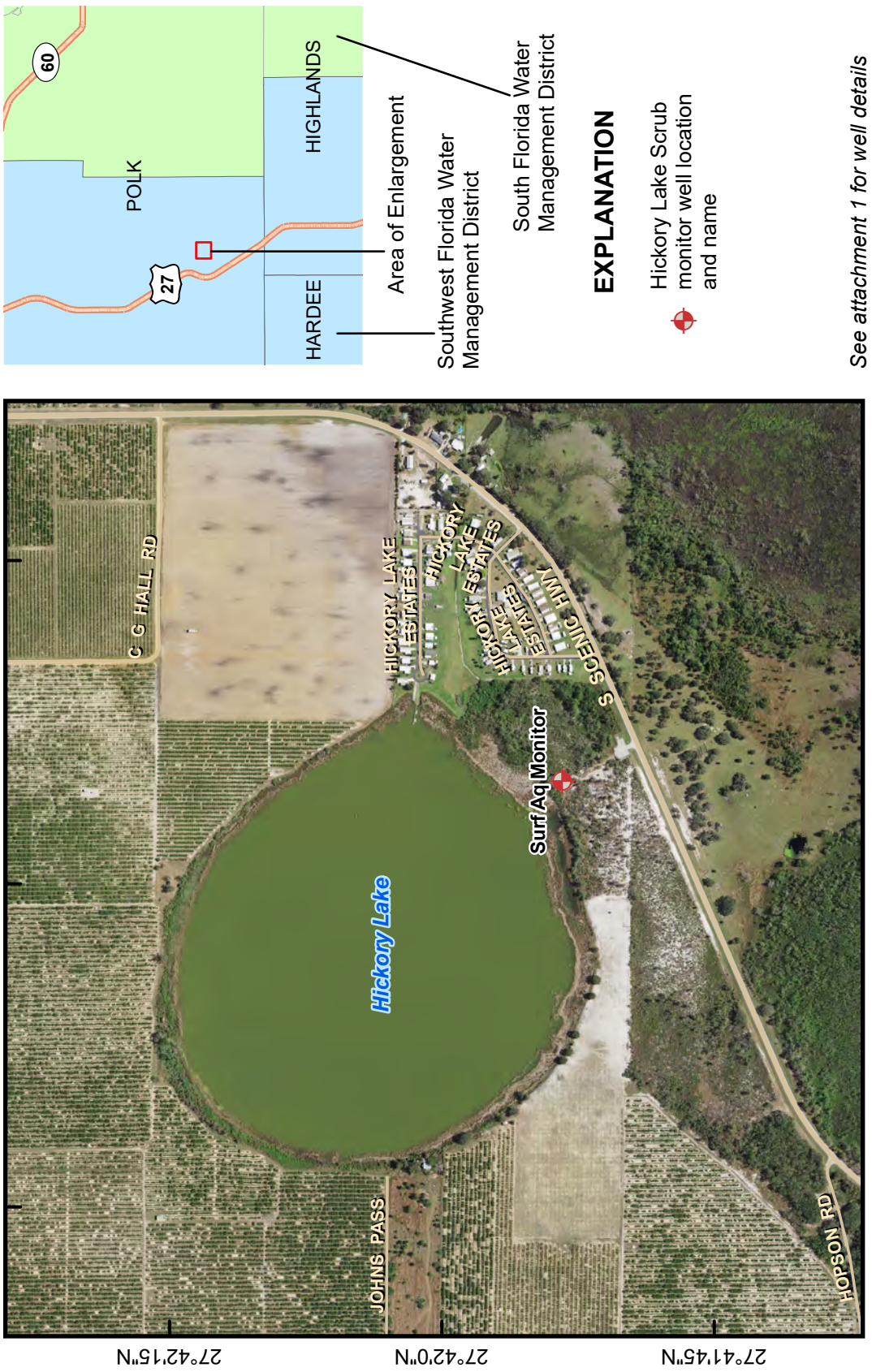
[PKWY, Parkway; RD, Road; LN, Lane; ST, Street; DR, Drive; Surf, surficial; Aq, aquifer; NAD, North American Datum; HARN, High Accuracy Reference Network; FIPS, Federal Information Processing Standards; N, north; W, west]

Attachment 3. Well site layout of the Bonnet Lake Marsh well site in Polk County, Florida.



[Surf, surficial; Aq, aquifer; NAD, North American Datum; HARN, High Accuracy Reference Network; FIPS, Federal Information Processing Standards; N, north; W, west]

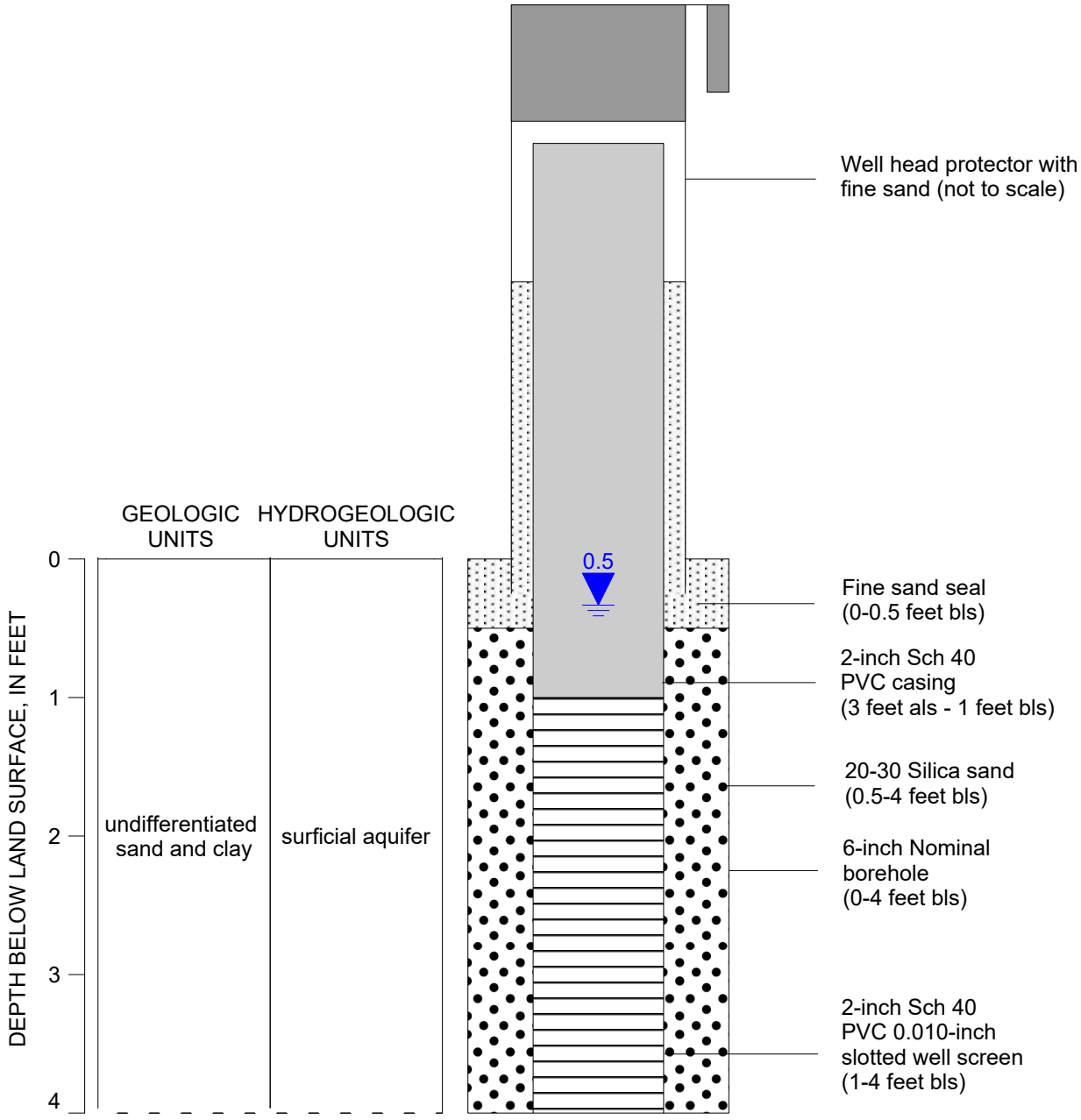
Attachment 3. Well site layout of the Gator Creek Reserve well sites in Polk County, Florida.



[S, south; HWY, Highway; RD, Road; Surf, surficial; Aq, aquifer; NAD, North American Datum; HARN, High Accuracy Reference Network; FIPS, Federal Information Processing Standards; N, north; W, west]

Attachment 3. Well site layout of the Hickory Lake Scrub well site in Polk County, Florida.

Attachment 3. Well site layout of the Hilochee Osprey West well site in Polk County, Florida.



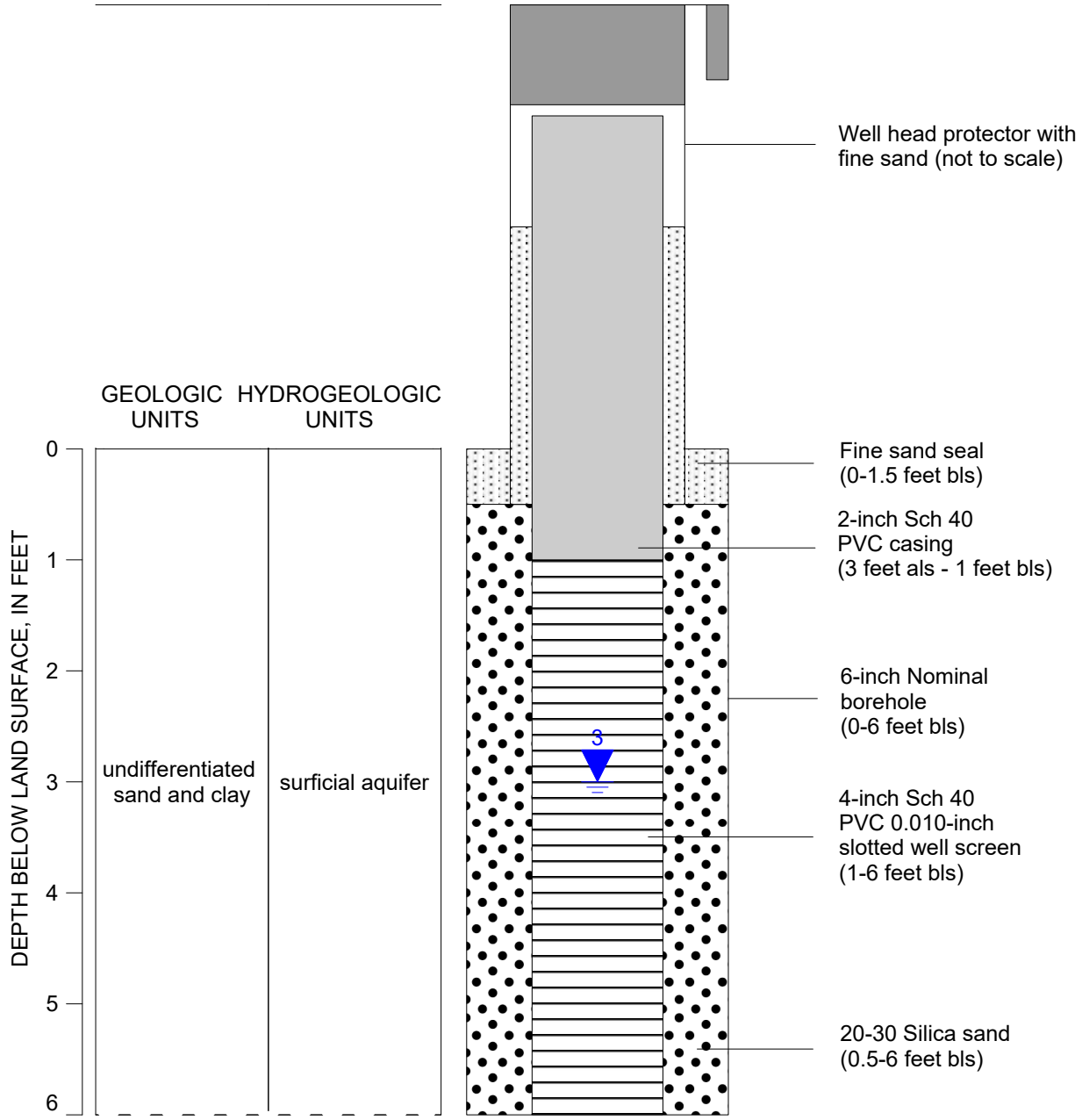
Well Name:	Green Swamp 7 Upland Surf Repl
SID:	871736
WCP:	853539
S/T/R:	S16/T25S/R24E
Latitude:	28° 18' 45.38"
Longitude:	-81° 54' 39.63"
Reporting Category:	--
Const. Began:	09/27/2016
Const. Complete:	09/27/2016

EXPLANATION

- 20-30 Silica sand
- Well head protector
- Fine sand
- PVC casing
- Screen

[als; above land surface; bls, below land surface; Sch, schedule; PVC, polyvinyl chloride; Surf, surficial; Aq, aquifer; Repl, Replacement; SID, station identification; WCP, well construction permit; S/T/R, Section/Township/Range; S, south; E, east; Const., construction]

Attachment 4. As-built diagram for the Surf Aq Monitor well at the Green Swamp 7 well site in Polk County, Florida.



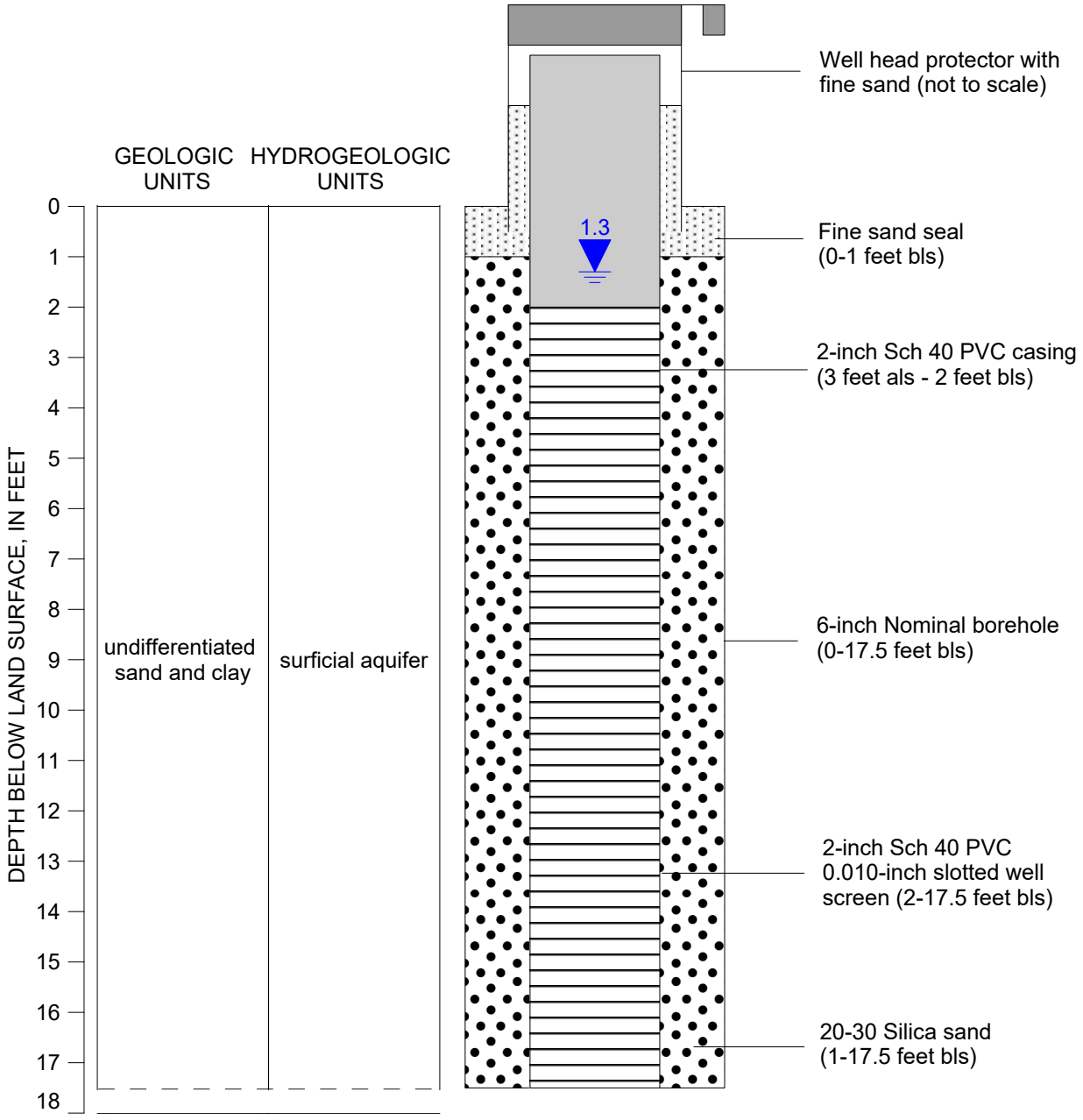
Well Name:	Alston New Cypress Surf Aq Monitor
SID:	875833
WCP:	855389
S/T/R:	S34/T26S/R22E
Latitude:	28° 11' 01.55"
Longitude:	-82° 05' 27.30"
Reporting Category:	--
Const. Began:	11/22/2016
Const. Complete:	11/22/2016

EXPLANATION

20-30 Silica sand
PVC casing
Well head protector
Screen
Fine sand

[als, above land surface; bls, below land surface; Sch, schedule; PVC, polyvinyl chloride; Surf, surficial; Aq, aquifer; SID, station identification; WCP, well construction permit; S/T/R, Section/Township/Range; S, south; E, east; Const., construction]

Attachment 4. As-built diagram for the Surf Aq Monitor well at the Alston New Cypress well site in Polk County, Florida.



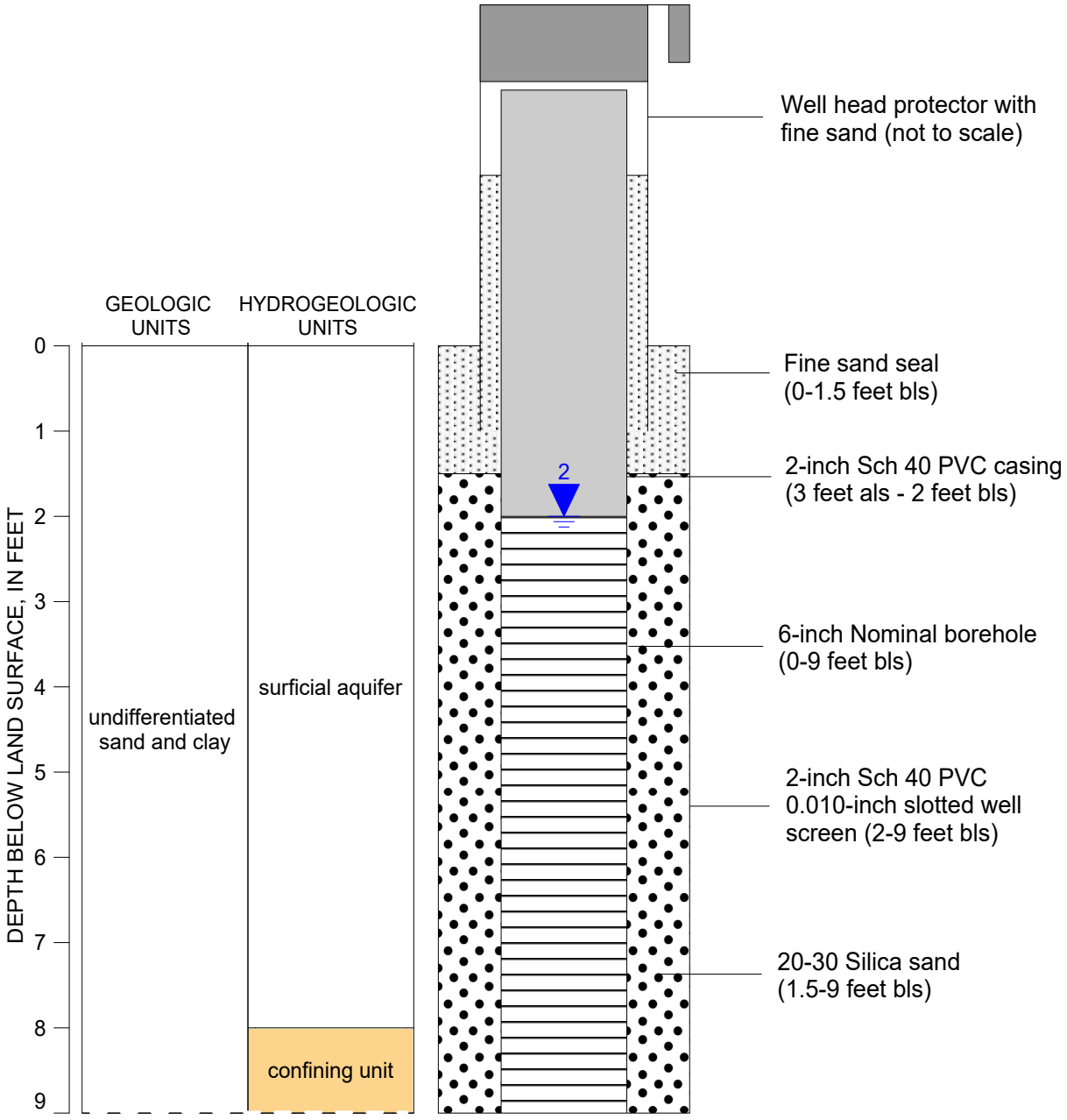
Well Name:	Pasture Reserve 1 Surf Aq Monitor
SID:	916157
WCP:	875599
S/T/R:	S14/T23S/R24E
Latitude:	28° 29' 11.21"
Longitude:	-81° 52' 38.99"
Reporting Category:	PAST1
Const. Began:	01/29/2019
Const. Complete:	01/29/2019

EXPLANATION

20-30 Silica sand
PVC casing
Well head protector
Screen
Fine sand

[als, above land surface; bls, below land surface; Sch, schedule; PVC, polyvinyl chloride; Surf, surficial; Aq, aquifer; SID, station identification; WCP, well construction permit; S/T/R, Section/Township/Range; S, south; E, east; Const., construction]

Attachment 4. As-built diagram for the Surf Aq Monitor well at the Pasture Reserve 1 well site in Lake County, Florida.



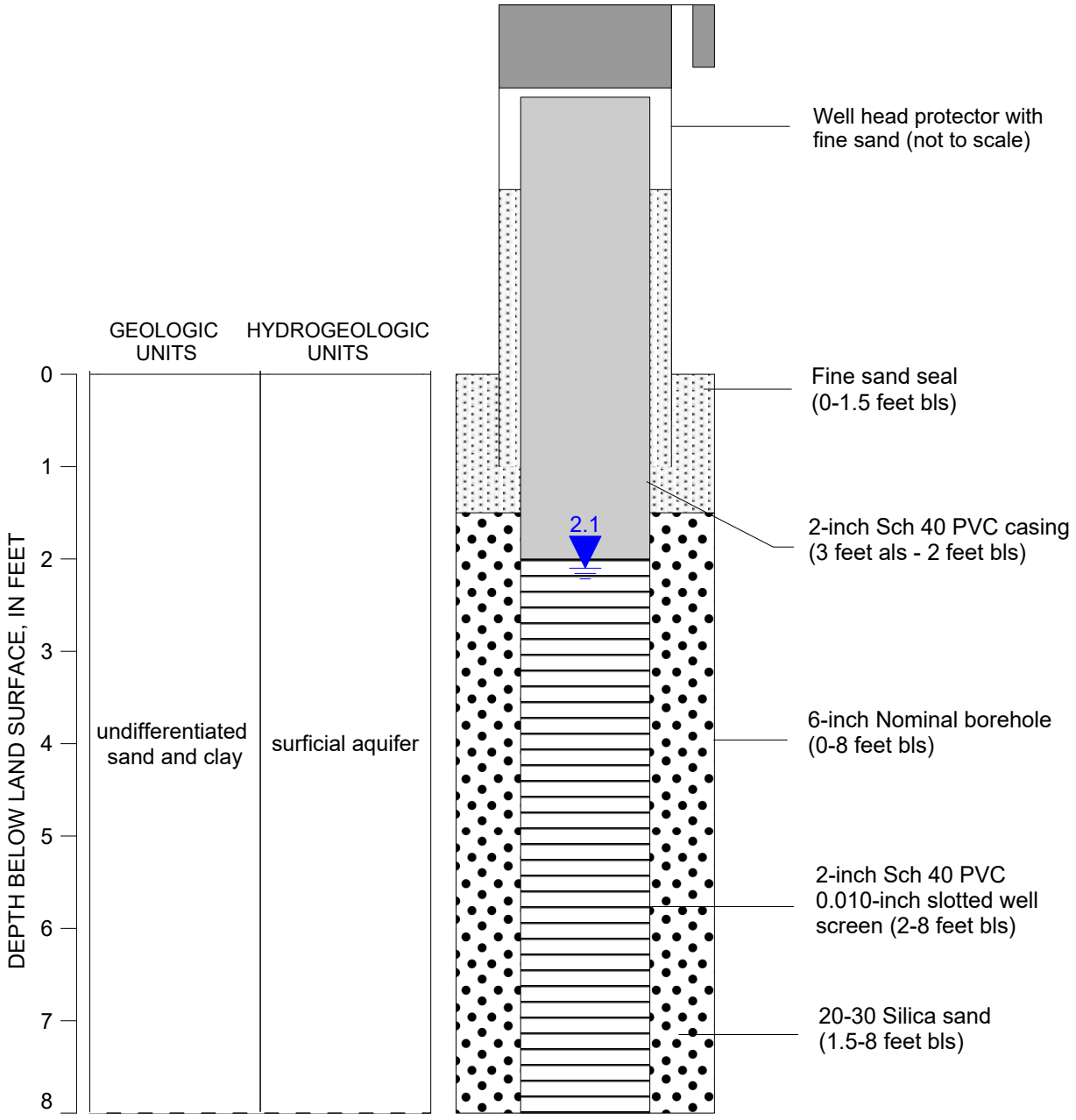
Well Name:	Pasture Reserve 3 Surf Aq Monitor
SID:	918556
WCP:	875601
S/T/R:	S13/T23S/R24E
Latitude:	28° 29' 20.01"
Longitude:	-81° 52' 18.24"
Reporting Category:	PAST3
Const. Began:	01/29/2019
Const. Complete:	01/29/2019

EXPLANATION

20-30 Silica sand
PVC casing
Well head protector
Screen
Fine sand

[als, above land surface; bls, below land surface; Sch, schedule; PVC, polyvinyl chloride; Surf, surficial; Aq, aquifer; SID, station identification; WCP, well construction permit; S/T/R, Section/Township/Range; S, south; E, east; Const., construction]

Attachment 4. As-built diagram for the Surf Aq Monitor well at the Pasture Reserve 3 well site in Lake County, Florida.



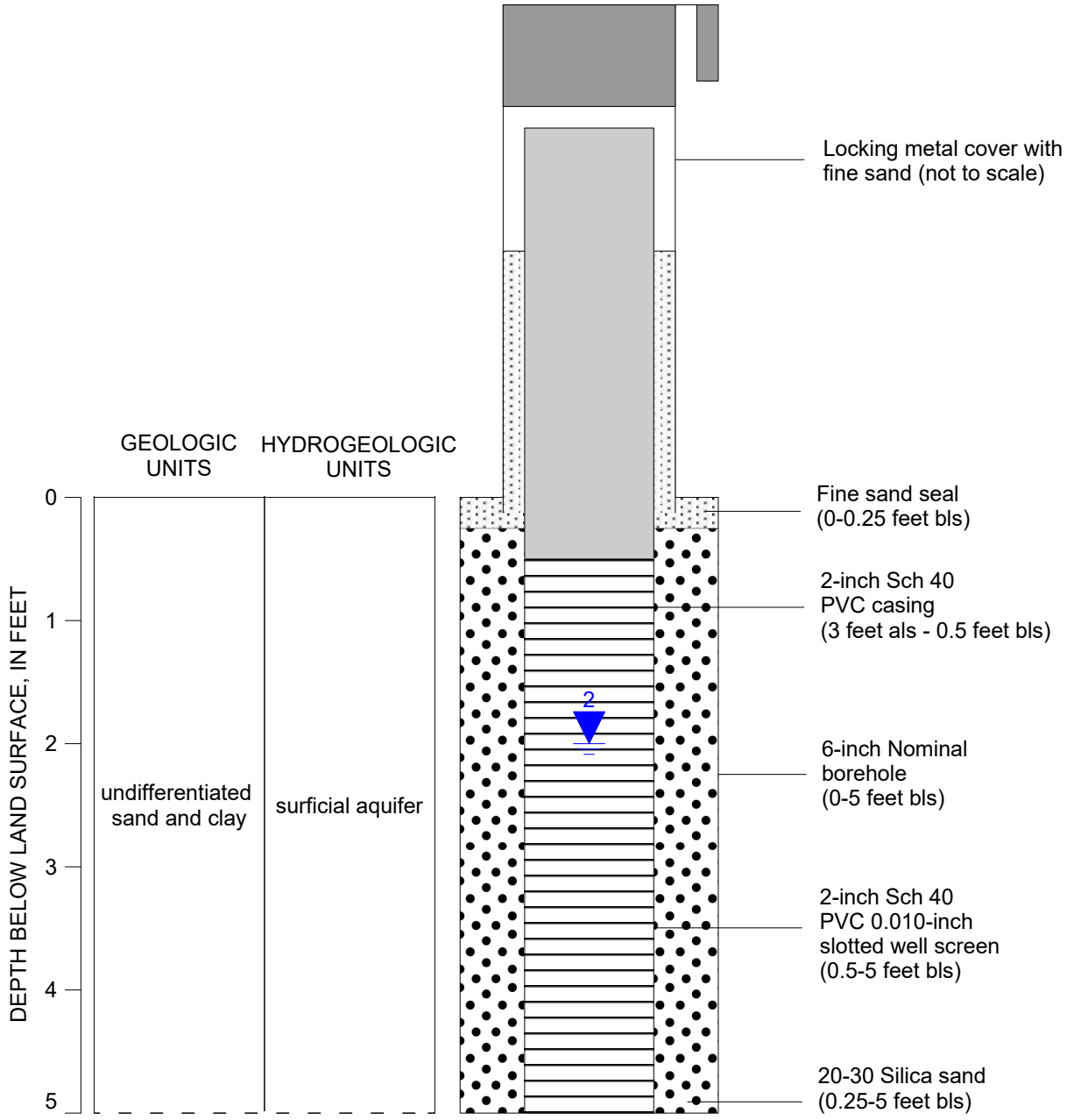
Well Name:	Pasture Reserve 2 Surf Aq Monitor
SID:	918548
WCP:	875600
S/T/R:	S14/T23S/R24E
Latitude:	28° 29' 20.73"
Longitude:	-81° 52' 36.65"
Reporting Category:	PAST2
Const. Began:	01/29/2019
Const. Complete:	01/30/2019

EXPLANATION

20-30 Silica sand
PVC casing
Well head protector
Screen
Fine sand

[als, above land surface; bls, below land surface; Sch, schedule; PVC, polyvinyl chloride; Surf, surficial; Aq, aquifer; SID, station identification; WCP, well construction permit; S/T/R, Section/Township/Range; S, south; E, east; Const., construction]

Attachment 4. As-built diagram for the Surf Aq Monitor well at the Pasture Reserve 2 well site in Lake County, Florida.



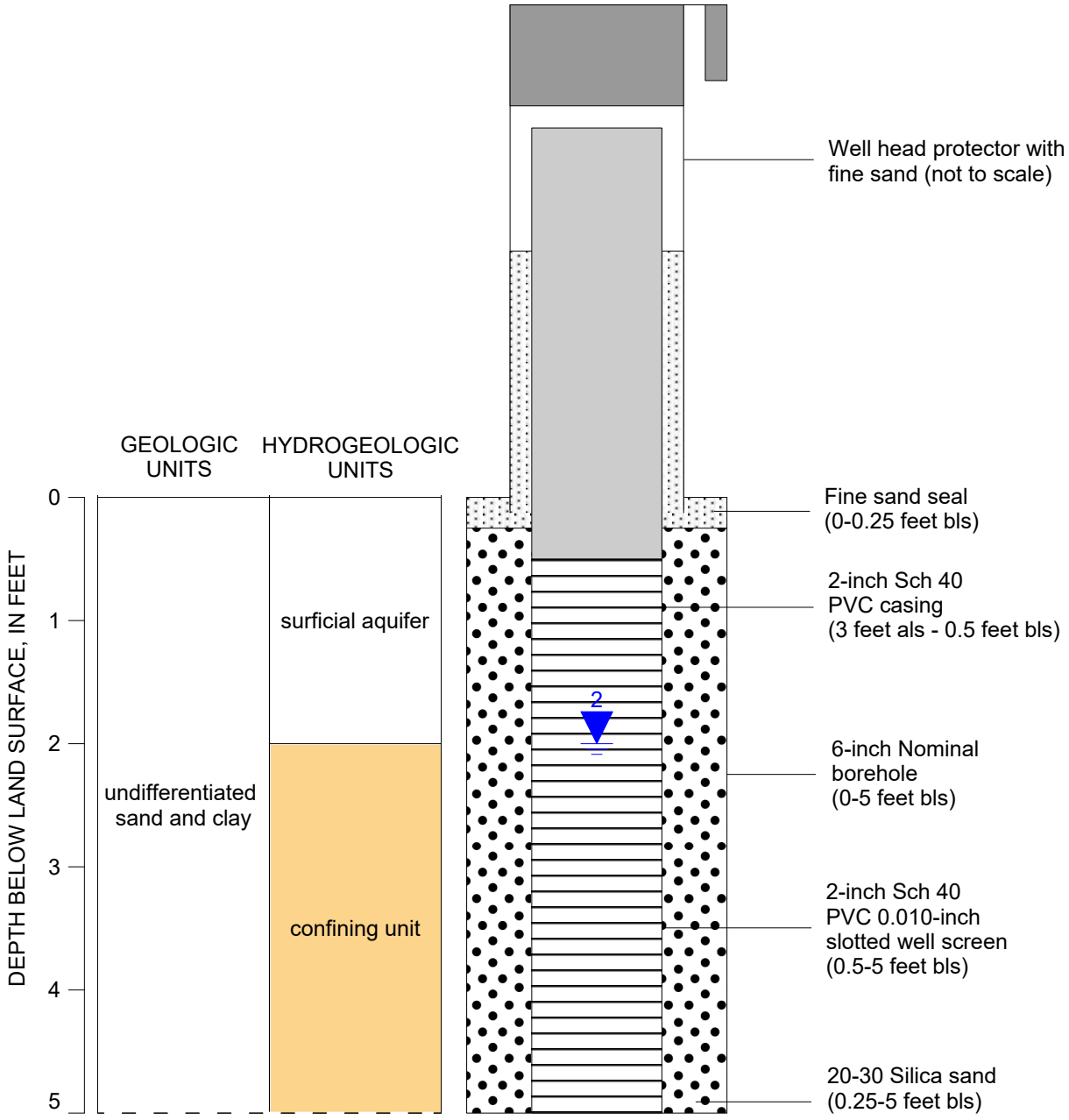
Well Name:	Hampton Colt Creek Surf Aq Monitor
SID:	918995
WCP:	876373
S/T/R:	S03/T26S/R23E
Latitude:	28° 17' 33.65"
Longitude:	-82° 00' 21.87"
Reporting Category:	HCOL
Const. Began:	03/15/2019
Const. Complete:	03/15/2019

EXPLANATION

20-30 Silica sand
PVC casing
Well head protector
Screen
Fine sand

[als, above land surface; bls, below land surface; Sch, schedule; PVC, polyvinyl chloride; Surf, surficial; Aq, aquifer; SID, station identification; WCP, well construction permit; S/T/R, Section/Township/Range; S, south; E, east; Const., construction]

Attachment 4. As-built diagram for the Surf Aq Monitor well at the Hampton Colt Creek well site in Polk County, Florida.



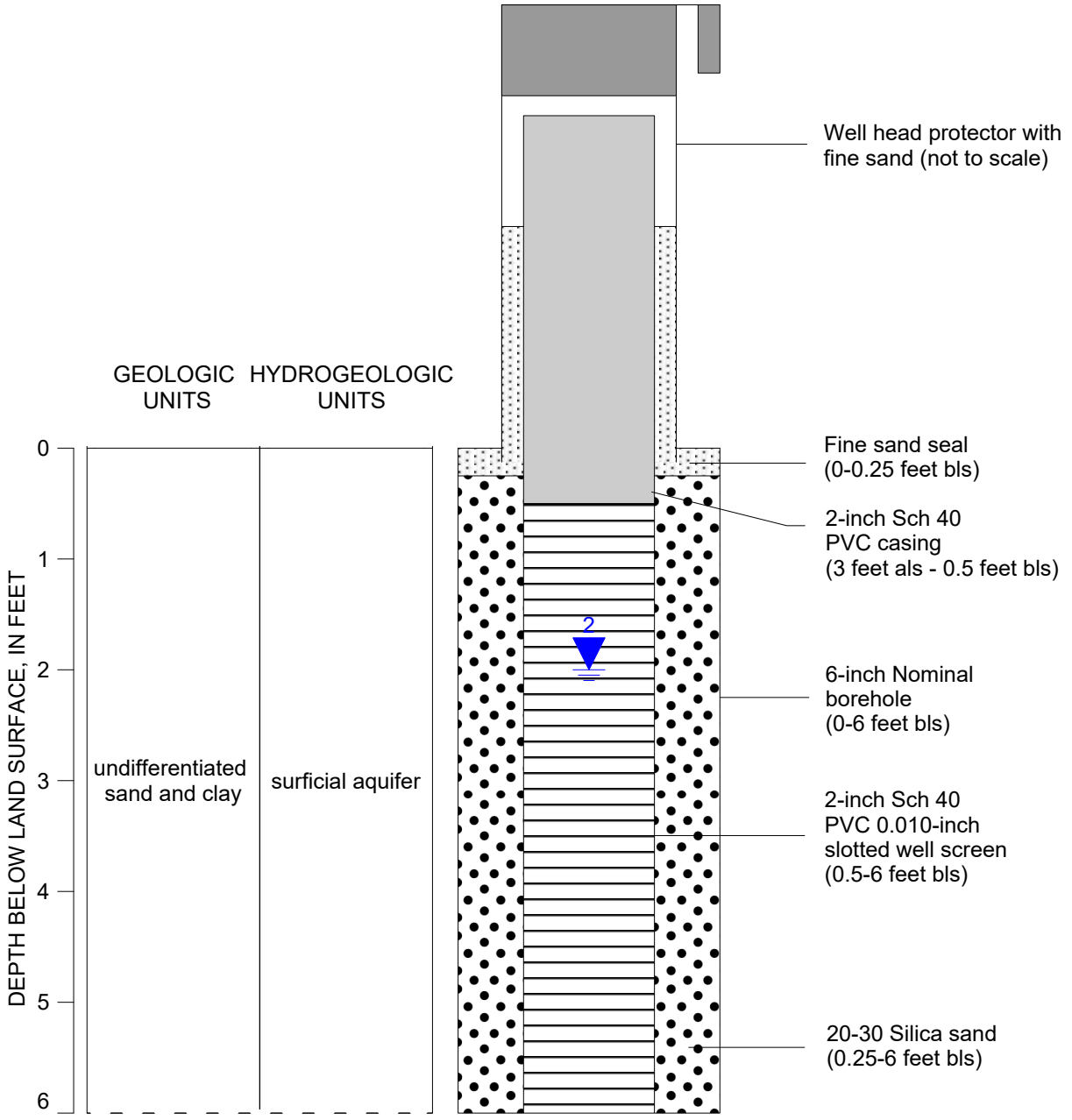
Well Name:	Hampton Gator Creek Surf Aq Monitor
SID:	919004
WCP:	876375
S/T/R:	S03/T26S/R23E
Latitude:	28° 17' 56.48"
Longitude:	-82° 00' 01.96"
Reporting Category:	GATR
Const. Began:	03/15/2019
Const. Complete:	03/15/2019

EXPLANATION

20-30 Silica sand
PVC casing
Well head protector
Screen
Fine sand

[als, above land surface; bls, below land surface; Sch, schedule; PVC, polyvinyl chloride; Surf, surficial; Aq, aquifer; SID, station identification; WCP, well construction permit; S/T/R, Section/Township/Range; S, south; E, east; Const., construction]

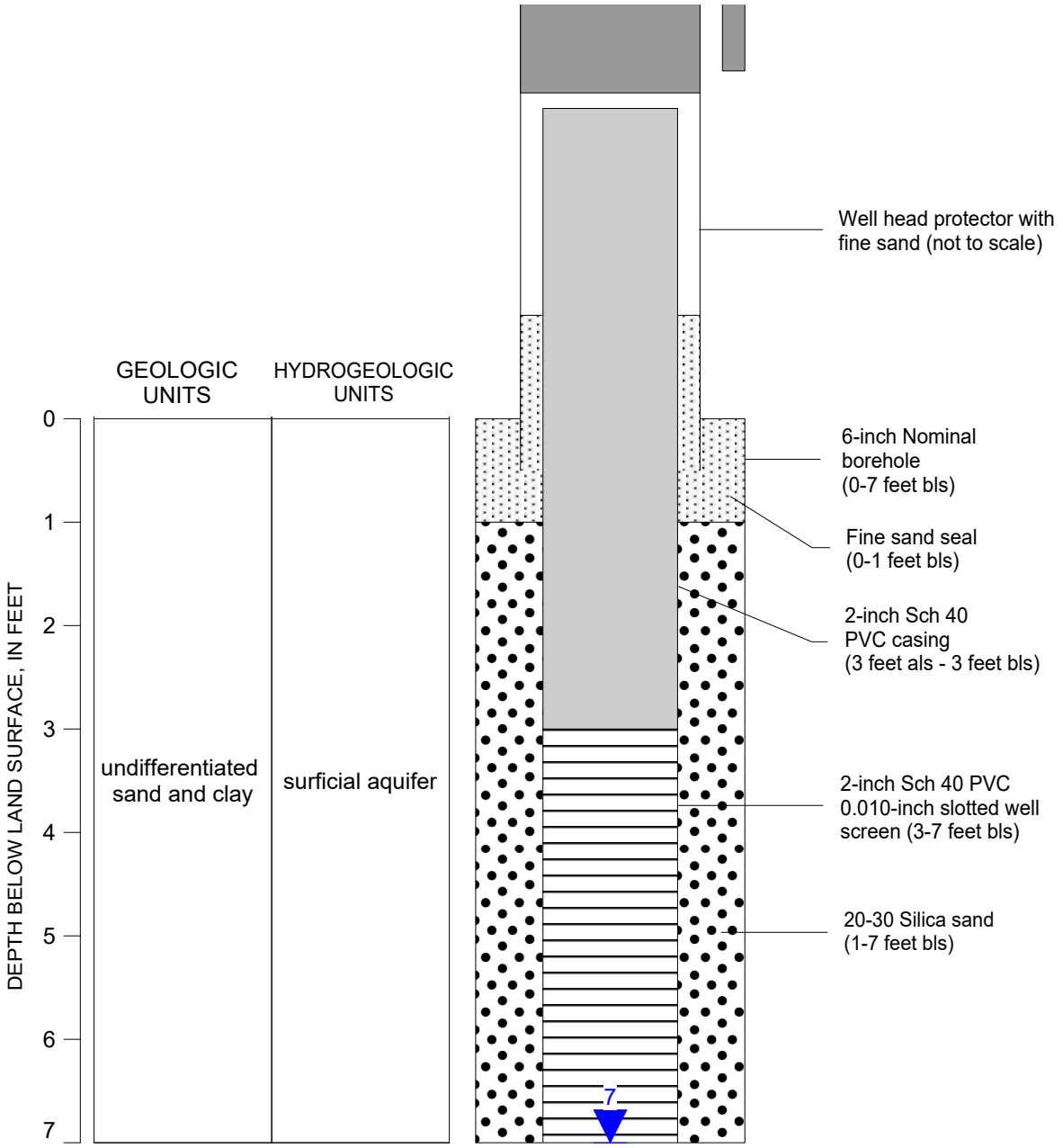
Attachment 4. As-built diagram for the Surf Aq Monitor well at the Hampton Gator Creek well site in Polk County, Florida.



Well Name:	Alafia Reserve Surf Aq Monitor
SID:	919091
WCP:	876225
S/T/R:	S06/T30S/R23E
Latitude:	27° 54' 26.39"
Longitude:	-82° 02' 28.52"
Reporting Category:	ALAF
Const. Began:	03/19/2019
Const. Complete:	03/19/2019

[als, above land surface; bls, below land surface; Sch, schedule; PVC, polyvinyl chloride; Surf, surficial; Aq, aquifer; SID, station identification; WCP, well construction permit; S/T/R, Section/Township/Range; S, south; E, east; Const., construction]

Attachment 4. As-built diagram for the Surf Aq Monitor well at the Alafia Reserve well site in Polk County, Florida.



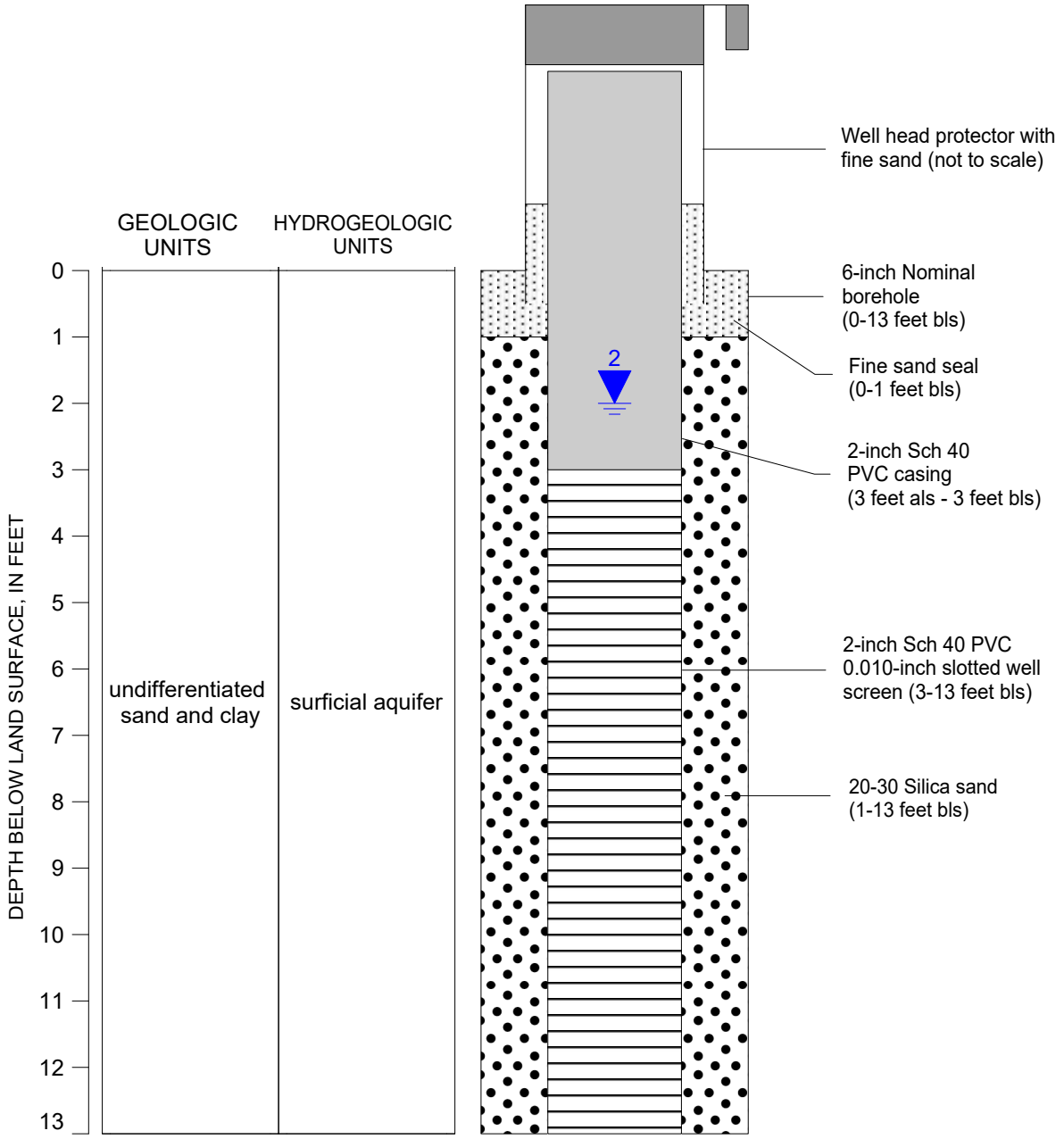
Well Name:	Green Swamp Up Withlachoochee Surf Aq Monitor
SID:	922694
WCP:	879373
S/T/R:	S09/T25S/R24E
Latitude:	28° 19' 50.20"
Longitude:	-81° 55' 22.83"
Reporting Category:	GSUW
Const. Began:	06/11/2019
Const. Complete:	06/11/2019

EXPLANATION

20-30 Silica sand
PVC casing
Well head protector
Screen
Fine sand

[als, above land surface; bls, below land surface; Sch, schedule; PVC, polyvinyl chloride; Surf, surficial; Aq, aquifer; SID, station identification; WCP, well construction permit; S/T/R, Section/Township/Range; S, south; E, east; Const., construction]

Attachment 4. As-built diagram for the Surf Aq Monitor well at the Green Swamp Upper Withlacoochee well site in Polk County, Florida.



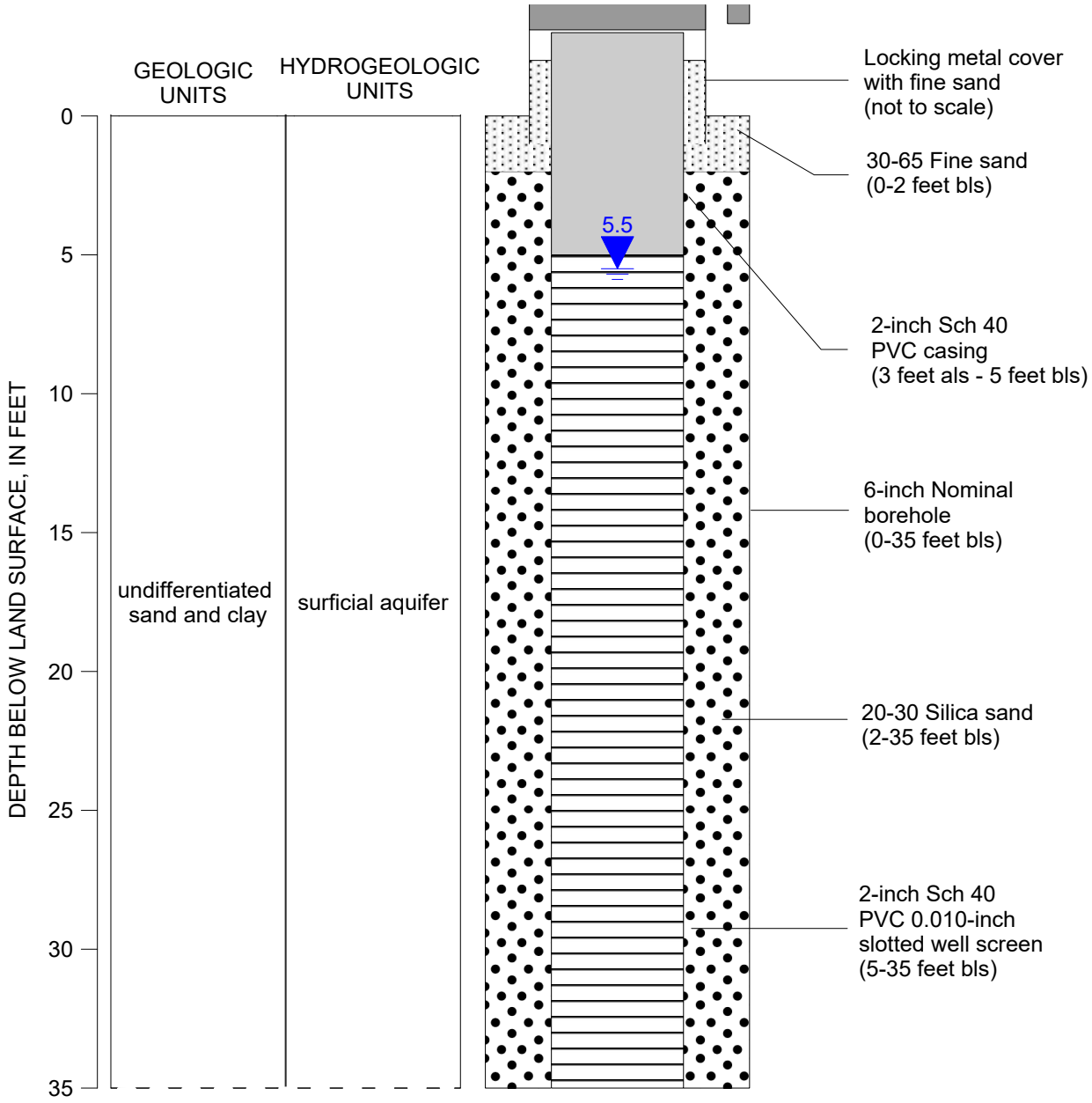
Well Name:	Crooked Lake West 2 Surf Aq Monitor
SID:	927373
WCP:	882285
S/T/R:	S03/T31S/R27E
Latitude:	27° 49' 03.64"
Longitude:	-81° 36' 07.86"
Reporting Category:	CLW2
Const. Began:	09/25/2019
Const. Complete:	09/25/2019

EXPLANATION

20-30 Silica sand
PVC casing
Well head protector
Screen
Fine sand

[als, above land surface; bls, below land surface; Sch, schedule; PVC, polyvinyl chloride; Surf, surficial; Aq, aquifer; SID, station identification; WCP, well construction permit; S/T/R, Section/Township/Range; S, south; E, east; Const., construction]

Attachment 4. As-built diagram for the Surf Aq Monitor well at the Crooked Lake West 2 well site in Polk County, Florida.



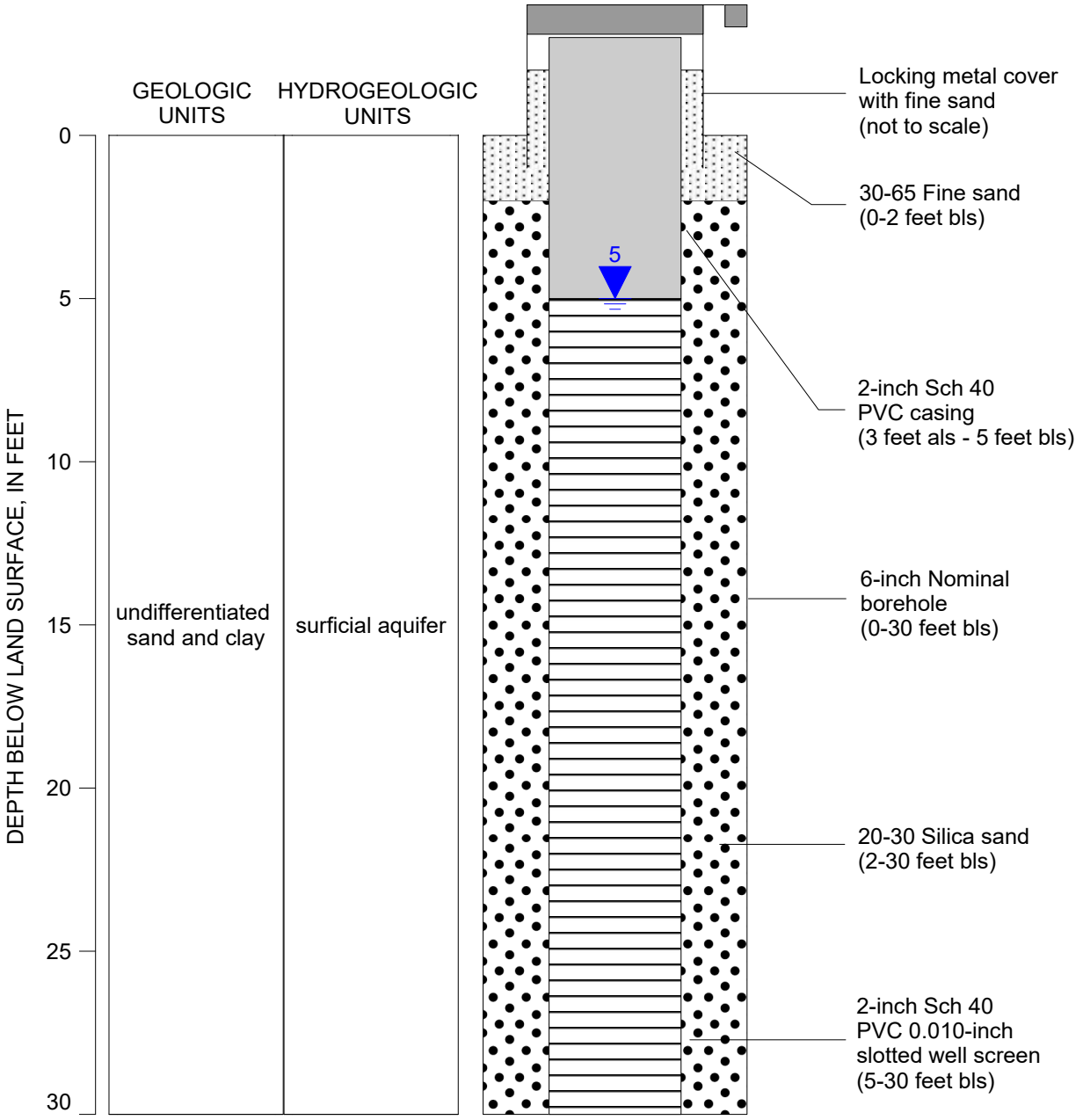
Well Name:	Arbuckle 2 Surf Aq Monitor
SID:	932085
WCP:	885087
S/T/R:	S13/T32S/R28E
Latitude:	27° 41' 32.58"
Longitude:	-81° 28' 20.07"
Reporting Category:	ARB2
Const. Began:	01/06/2020
Const. Complete:	01/06/2020

EXPLANATION

20-30 sand
Well head protector
PVC casing
30-65 fine silica sand
Screen

[als; above land surface; bls, below land surface; Sch, schedule; PVC, polyvinyl chloride; Surf, surficial; Aq, aquifer; SID, station identification; WCP, well construction permit; S/T/R, Section/Township/Range; S, south; E, east; Const., construction]

Attachment 4. As-built diagram for the Surf Aq Monitor well at the Arbuckle 2 well site in Polk County, Florida.



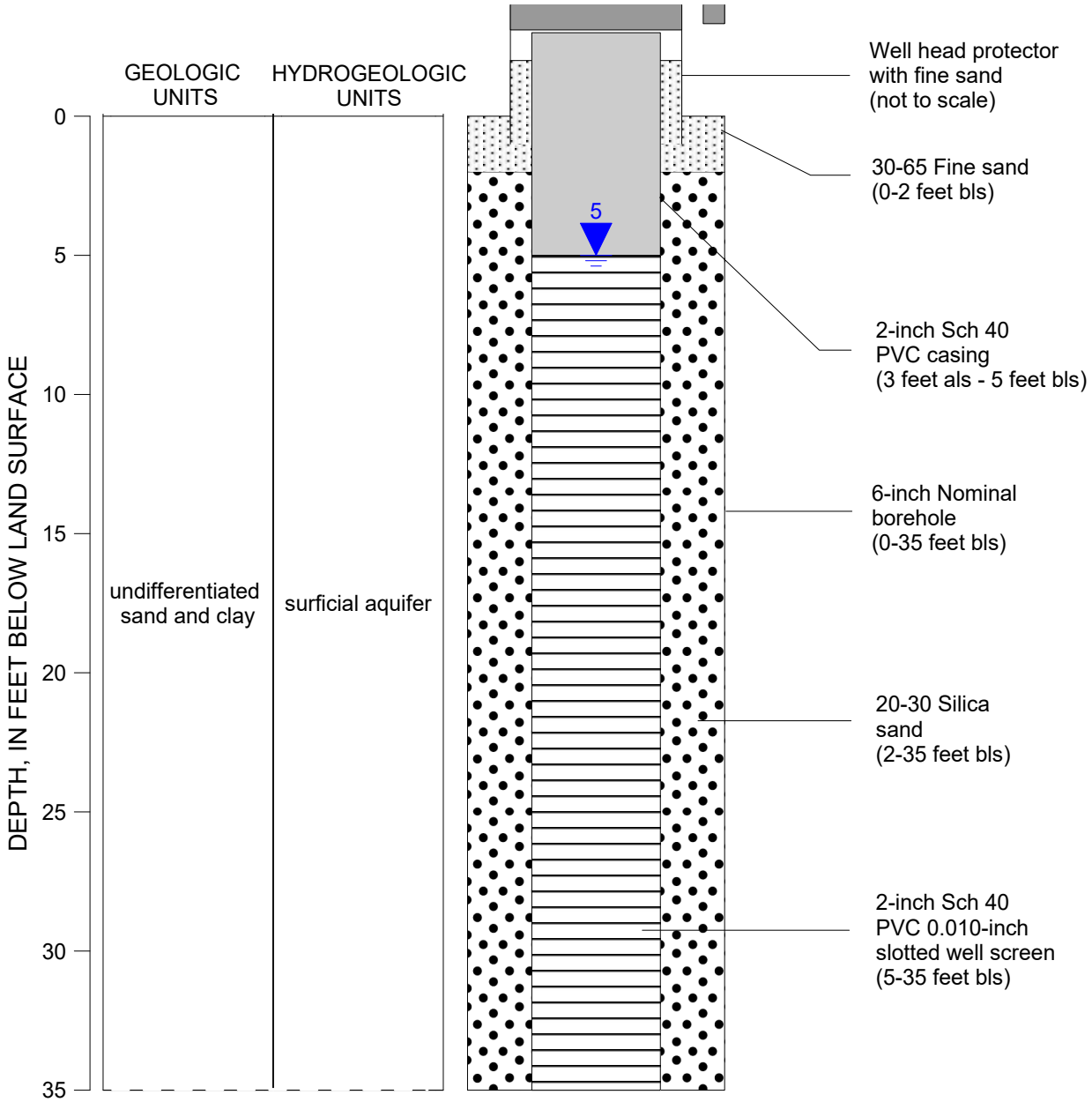
Well Name:	Arbuckle 1 Surf Aq Monitor
SID:	932092
WCP:	885087
S/T/R:	S13/T32S/R28E
Latitude:	27° 41' 11.28"
Longitude:	-81° 28' 54.72"
Reporting Category:	ARB1
Const. Began:	01/06/2020
Const. Complete:	01/07/2020

EXPLANATION

- 20-30 sand
- Well head protector
- PVC casing
- 30-65 fine silica sand
- Screen

[als, above land surface; bls, below land surface; Sch, schedule; PVC, polyvinyl chloride; Surf, surficial; Aq, aquifer; SID, station identification; WCP, well construction permit; S/T/R, Section/Township/Range; S, south; E, east; Const., construction]

Attachment 4. As-built diagram for the Surf Aq Monitor well at the Arbuckle 1 well site in Polk County, Florida.



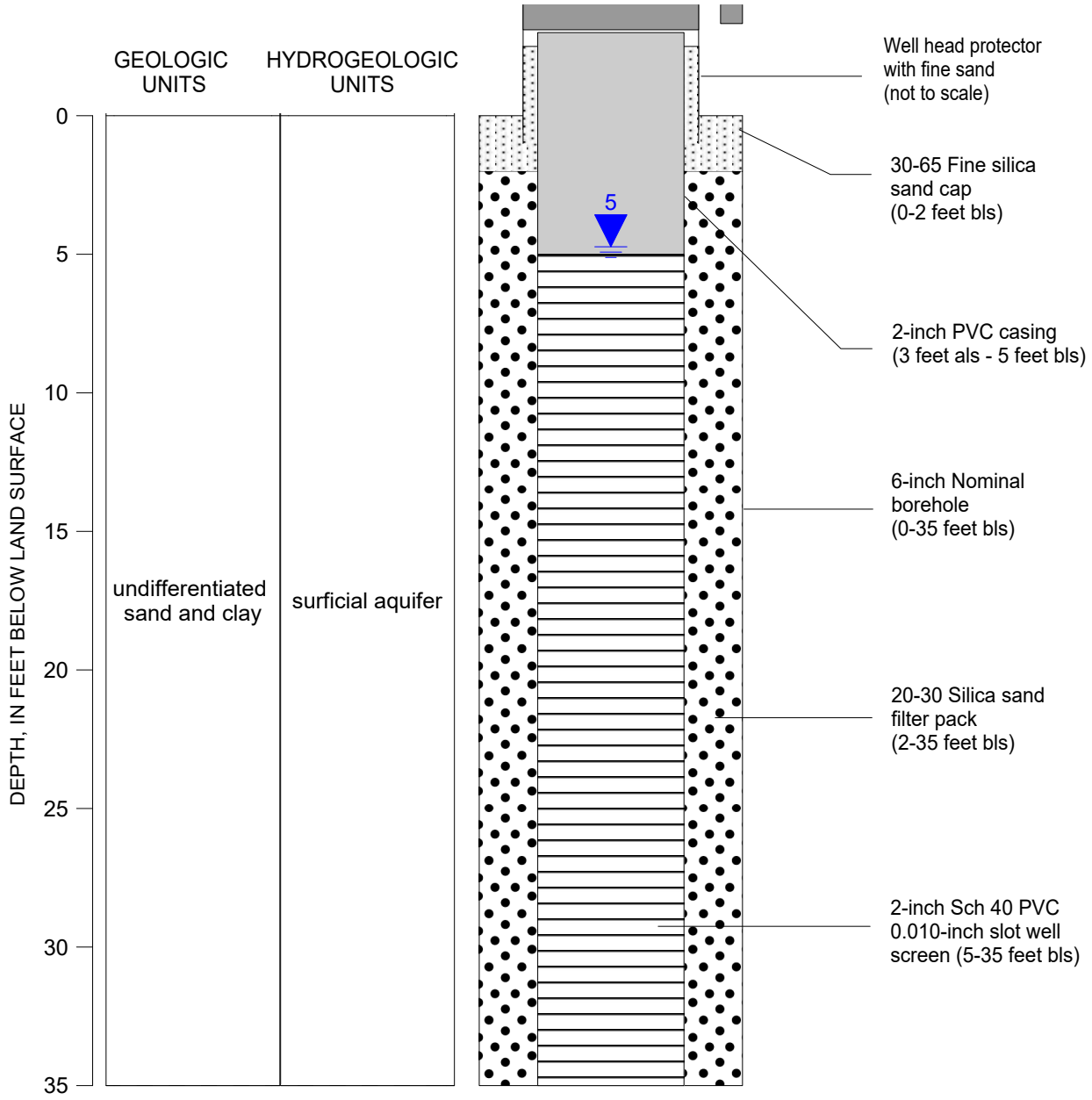
Well Name:	Walk-In-Water 2 Surf Aq Monitor
SID:	932094
WCP:	885116
S/T/R:	S13/T31S/R28E
Latitude:	27° 46' 59.75"
Longitude:	-81° 28' 30.58"
Reporting Category:	WIW2
Const. Began:	01/07/2020
Const. Complete:	01/08/2020

EXPLANATION

20-30 sand
Well head protector
PVC casing
30-65 fine silica sand
Screen

[als, above land surface; bls, below land surface; Sch, schedule; PVC, polyvinyl chloride; Surf, surficial; Aq, aquifer; SID, station identification; WCP, well construction permit; S/T/R, Section/Township/Range; S, south; E, east; Const., construction]

Attachment 4. As-built diagram for the Surf Aq Monitor well at the Walk-In-Water 2 well site in Polk County, Florida.



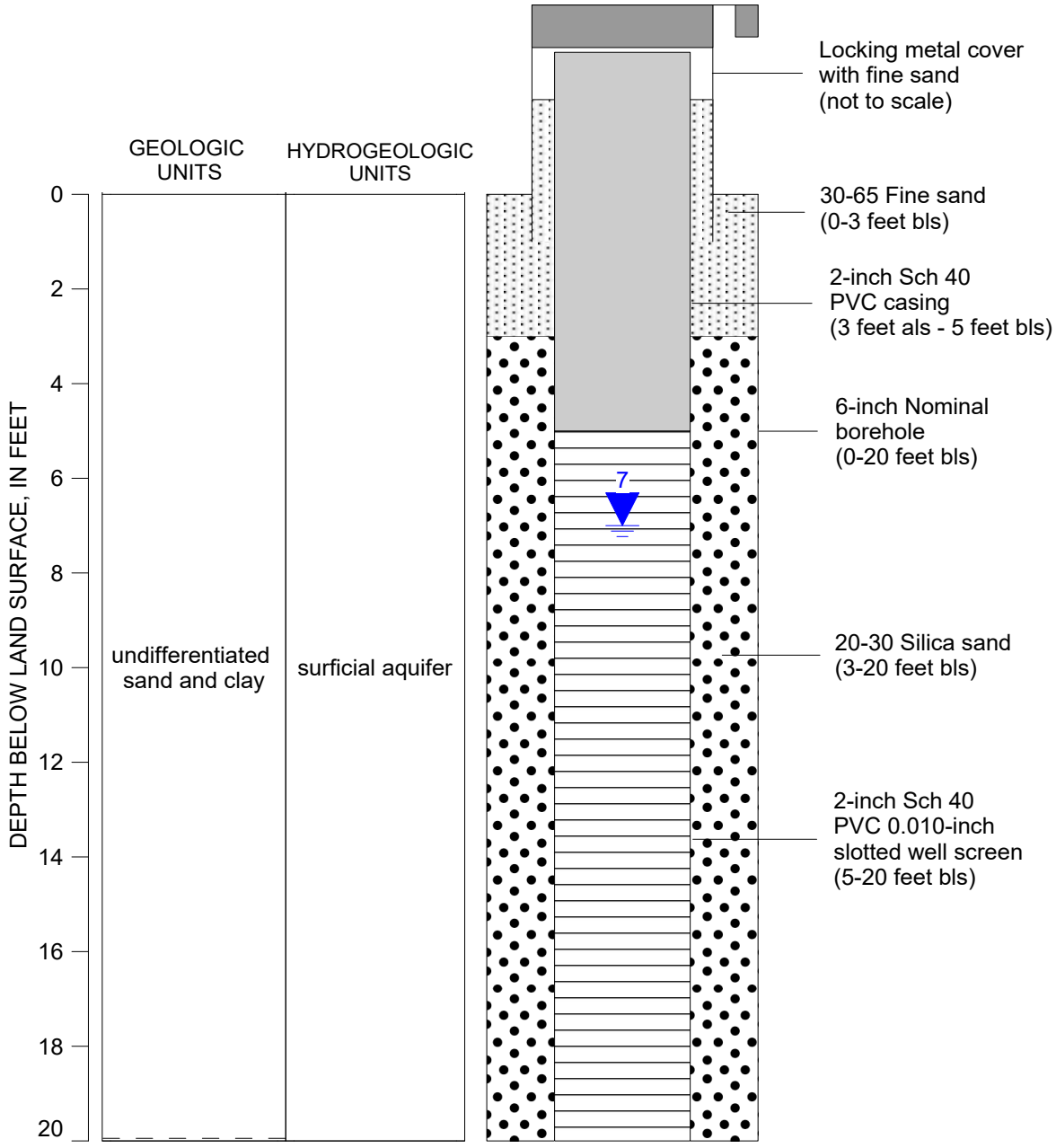
Well Name:	Walk-In-Water 1 Surf Aq Mon
SID:	932093
WCP:	885116
S/T/R:	S13/T31S/R28E
Latitude:	27° 46' 59.74"
Longitude:	-81° 28' 30.55"
Reporting Category:	WIW1
Const. Began:	01/07/2020
Const. Complete:	01/08/2020

EXPLANATION

20-30 sand
Well head protector
PVC casing
30-65 fine silica sand
Screen

[als, above land surface; bls, below land surface; Sch, schedule; PVC, polyvinyl chloride; Surf, surficial; Aq, aquifer; SID, station identification; WCP, well construction permit; S/T/R, Section/Township/Range; S, south; E, east; Const., construction]

Attachment 4. As-built diagram for the Surf Aq Monitor well at the Water-In-Water 1 well site in Polk County, Florida.



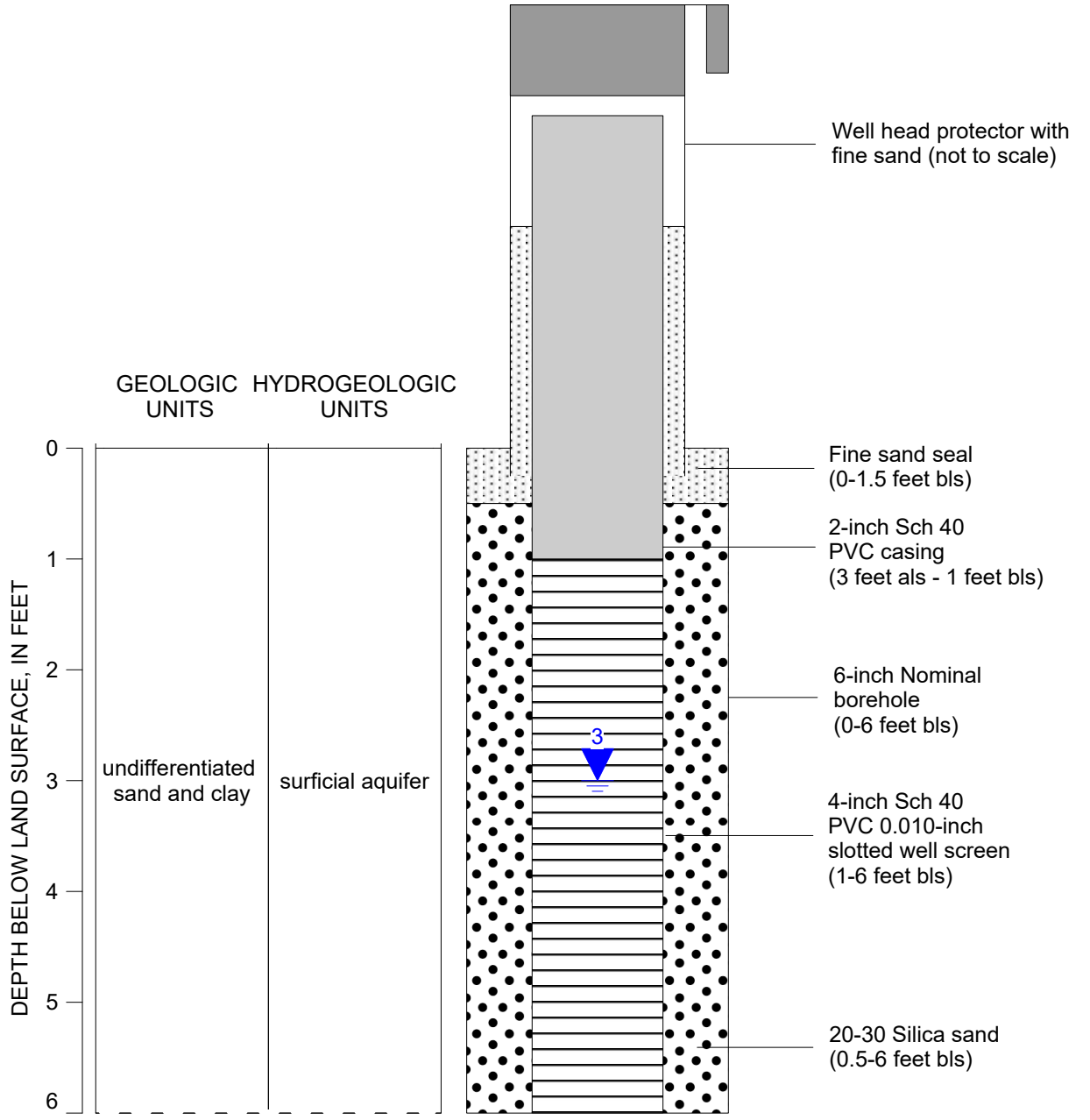
Well Name:	Mountain Lake Cutoff 2 Surf Aq Monitor
SID:	934904
WCP:	886367
S/T/R:	S34/T29S/R27E
Latitude:	27° 55' 23.35"
Longitude:	-81° 35' 43.42"
Reporting Category:	LWWT
Const. Began:	03/04/2020
Const. Complete:	03/04/2020

EXPLANATION

20-30 sand
PVC casing
Screen
Well head protector
30-65 fine sand

als, above land surface; bls, below land surface; Sch, schedule; PVC, polyvinyl chloride; Surf, surficial; Aq, aquifer; SID, station identification; WCP, well construction permit; S/T/R, Section/Township/Range; S, south; E, east; Const., construction]

Attachment 4. As-built diagram for the Surf Aq Monitor well at the Mountain Lake Cutoff 2 well site in Polk County, Florida.



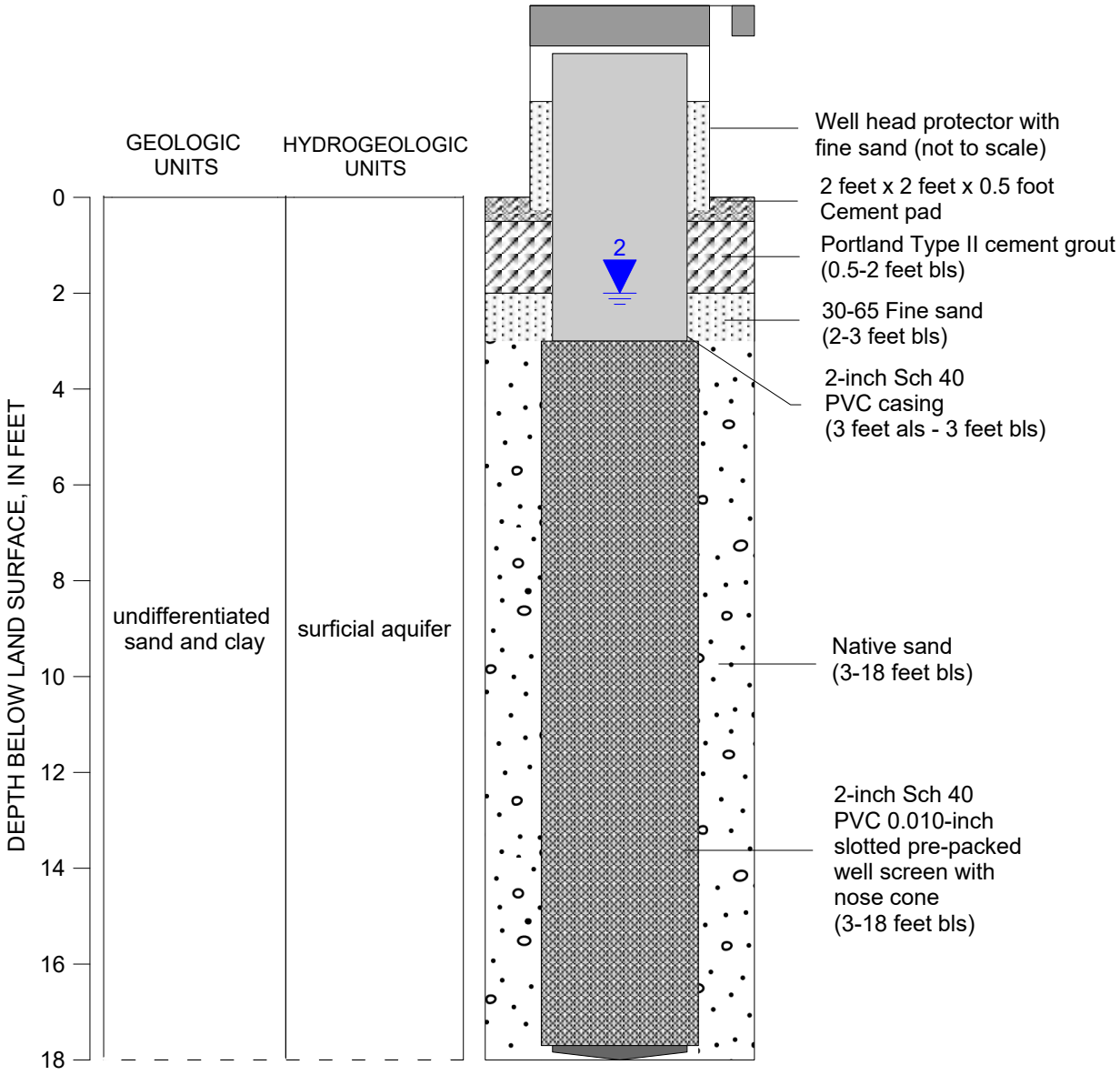
Well Name:	Crooked Lake West 1 Surf Aq Monitor
SID:	942474
WCP:	889555
S/T/R:	S05/T31S/R27E
Latitude:	27° 48' 37.46"
Longitude:	-81° 38' 11.96"
Reporting Category:	CLW2
Const. Began:	07/09/2020
Const. Complete:	07/09/2020

EXPLANATION

20-30 Silica sand
PVC casing
Well head protector
Screen
Fine sand

[als, above land syrface; bls, below land surface; Sch, schedule; PVC, polyvinyl chloride; Surf, surficial; Aq, aquifer; SID, station identification; WCP, well construction permit; S/T/R, Section/Township/Range; S, south; E, east; Const., construction]

Attachment 4. As-built diagram for the Surf Aq Monitor well at the Crooked Lake West 1 well site in Polk County, Florida.



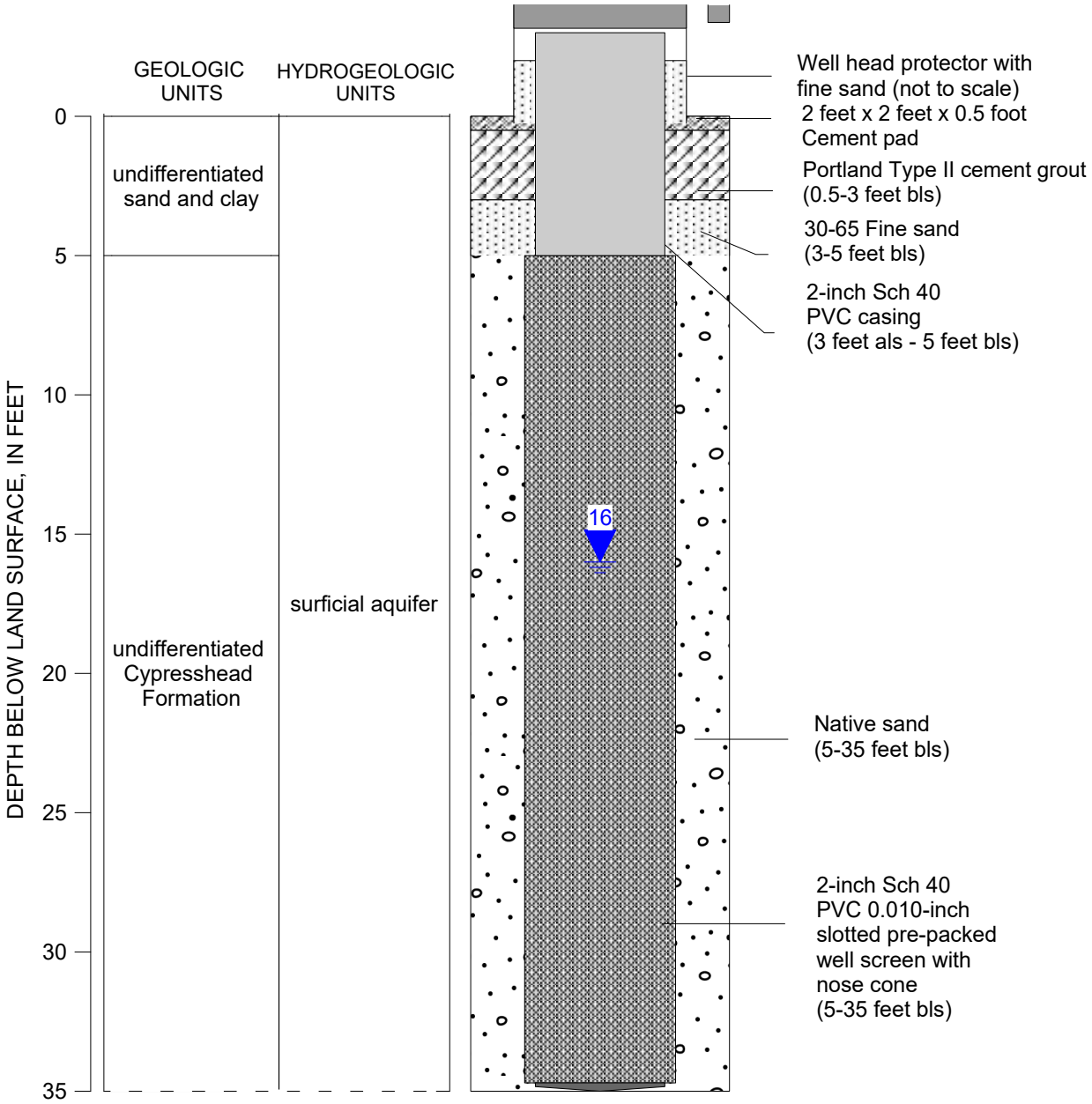
Well Name:	Lake Maude Surf Aq Monitor
SID:	955189
WCP:	898232
S/T/R:	S21/T28S/R26E
Latitude:	28° 02' 25.39"
Longitude:	-81° 43' 04.44"
Reporting Category:	MAUD
Const. Began:	02/24/2021
Const. Complete:	02/24/2021

EXPLANATION

PVC casing	30-65 Fine sand
Cement grout	Pre-packed screen
Concrete pad	Nose cone
Native sand	Well head protector

[als, above land surface; bls, below land surface; Sch, schedule; PVC, polyvinyl chloride; Surf, surficial; Aq, aquifer; SID, station identification; WCP, well construction permit; S/T/R, Section/Township/Range; S, south; E, east; Const., construction]

Attachment 4. As-built diagram for the Surf Aq Monitor well at the Lake Maude well site in Polk County, Florida.



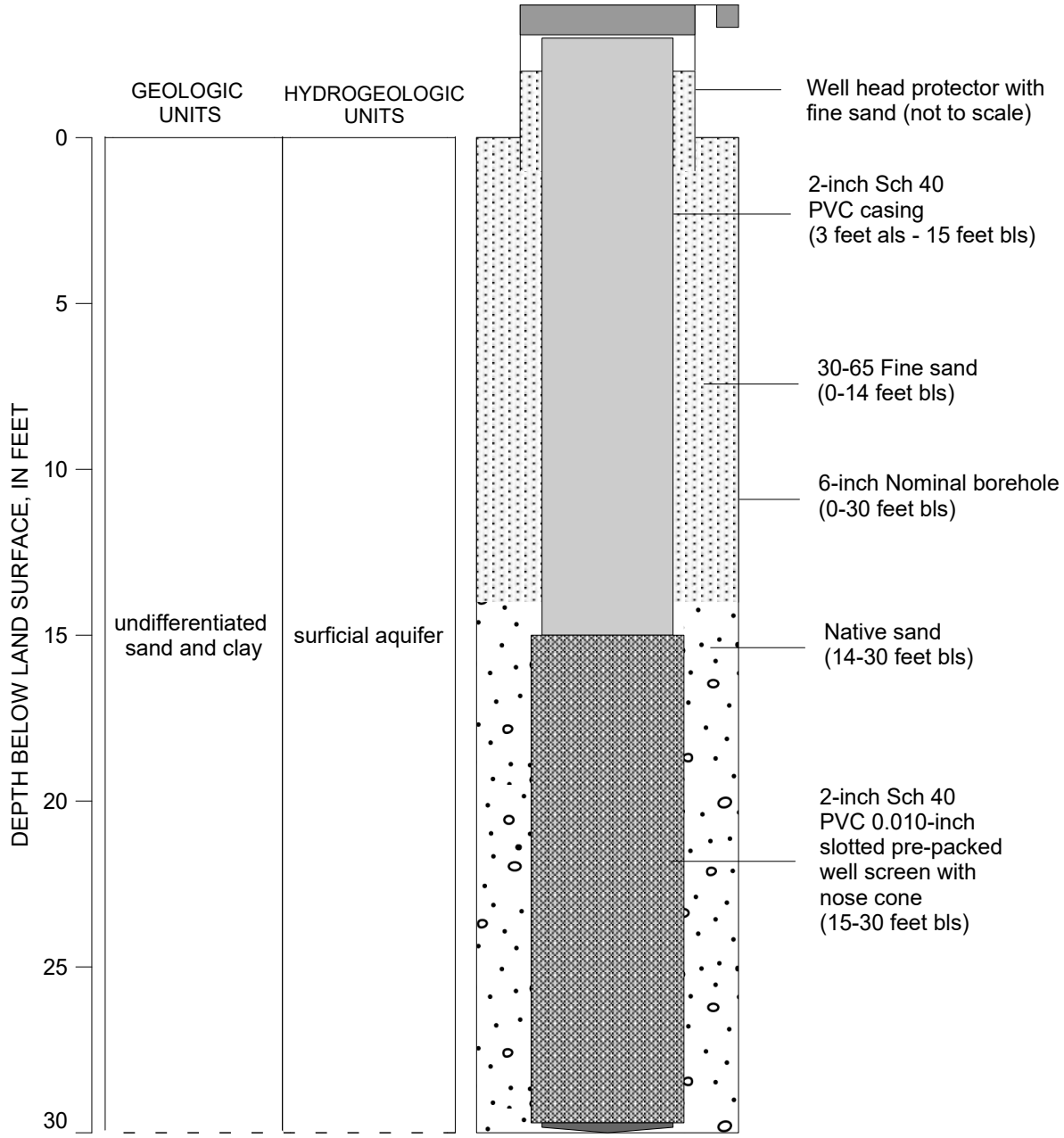
Well Name:	Lake Ned Surf Aq Monitor
SID:	954843
WCP:	898240
S/T/R:	S01/T29S/R26E
Latitude:	27° 59' 43.56"
Longitude:	-81° 39' 59.41"
Reporting Category:	LNED
Const. Began:	02/24/2021
Const. Complete:	02/25/2021

EXPLANATION

- PVC casing
- Cement grout
- Concrete pad
- Native sand
- Pre-packed screen
- Nose cone
- 30-65 Fine sand
- Well head protector

[als, above land surface; bls, below land surface; Sch, schedule; PVC, polyvinyl chloride; Surf, surficial; Aq, aquifer; SID, station identification; WCP, well construction permit; S/T/R, Section/Township/Range; S, south; E, east; Const., construction]

Attachment 4. As-built diagram for the Surf Aq Monitor well at the Lake Ned well site in Polk County, Florida.



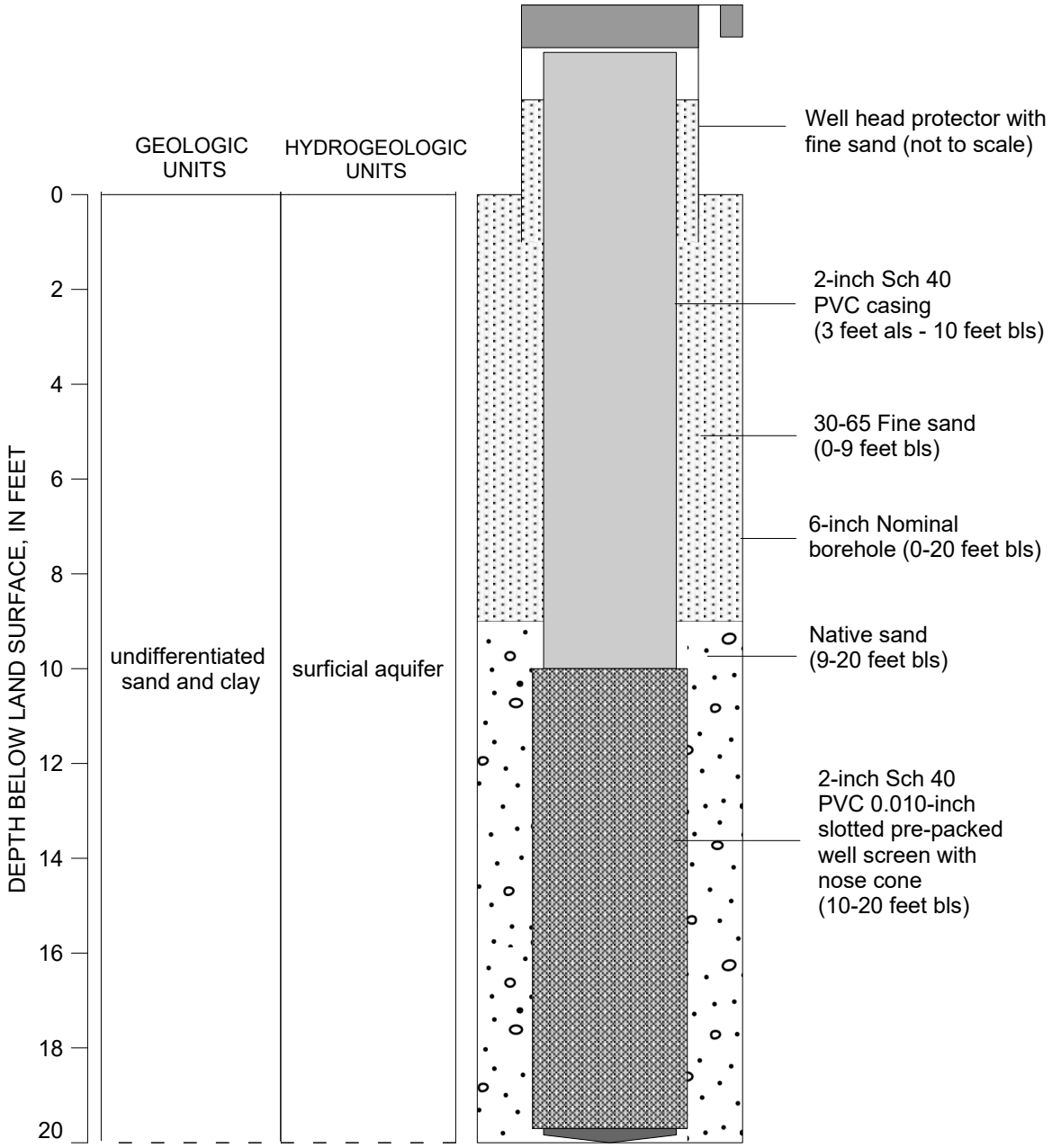
Well Name:	Tiger Creek 1 Surf Aq Monitor
SID:	964144
WCP:	901004
S/T/R:	S21/T28S/R26E
Latitude:	27° 48' 31.95"
Longitude:	-81° 29' 04.73"
Reporting Category:	TIGR
Const. Began:	06/21/2021
Const. Complete:	06/21/2021

EXPLANATION

- Native sand
- 30-65 Fine sand
- Pre-packed screen
- PVC casing
- Nose cone
- Well head protector

[als, above land surface; bls, below land surface; Sch, schedule; PVC, polyvinyl chloride; Surf, surficial; Aq, aquifer; SID, station identification; WCP, well construction permit; S/T/R, Section/Township/Range; S, south; E, east; Const., construction]

Attachment 4. As-built diagram for the Surf Aq Monitor well at the Tiger Creek 1 well site in Polk County, Florida.



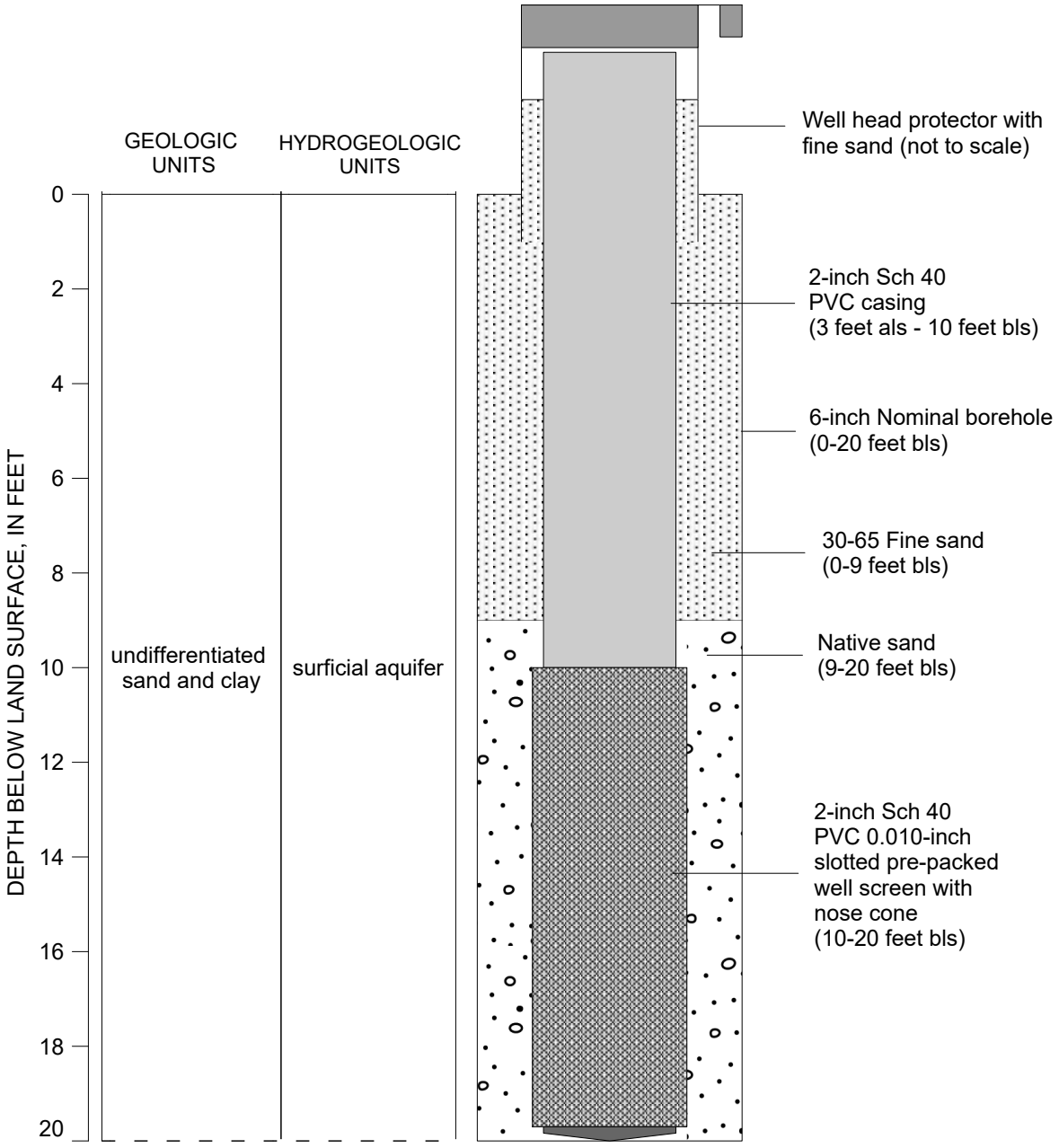
Well Name:	Saddle Blanket Scrub 3 Surf Aq Monitor
SID:	965387
WCP:	901005
S/T/R:	S21/T28S/R26E
Latitude:	27° 40' 14.35"
Longitude:	-81° 34' 30.60"
Reporting Category:	SAD3
Const. Began:	06/22/2021
Const. Complete:	06/22/2021

EXPLANATION

PVC casing
Pre-packed screen
Well head protector
Nose cone
Native sand
30-65 Fine sand

[als, above land surface; bls, below land surface; Sch, schedule; PVC, polyvinyl chloride; Surf, surficial; Aq, aquifer; SID, station identification; WCP, well construction permit; S/T/R, Section/Township/Range; S, south; E, east; Const., construction]

Attachment 4. As-built diagram for the Surf Aq Monitor well at the Saddle Blanket Scrub 3 well site in Polk County, Florida.



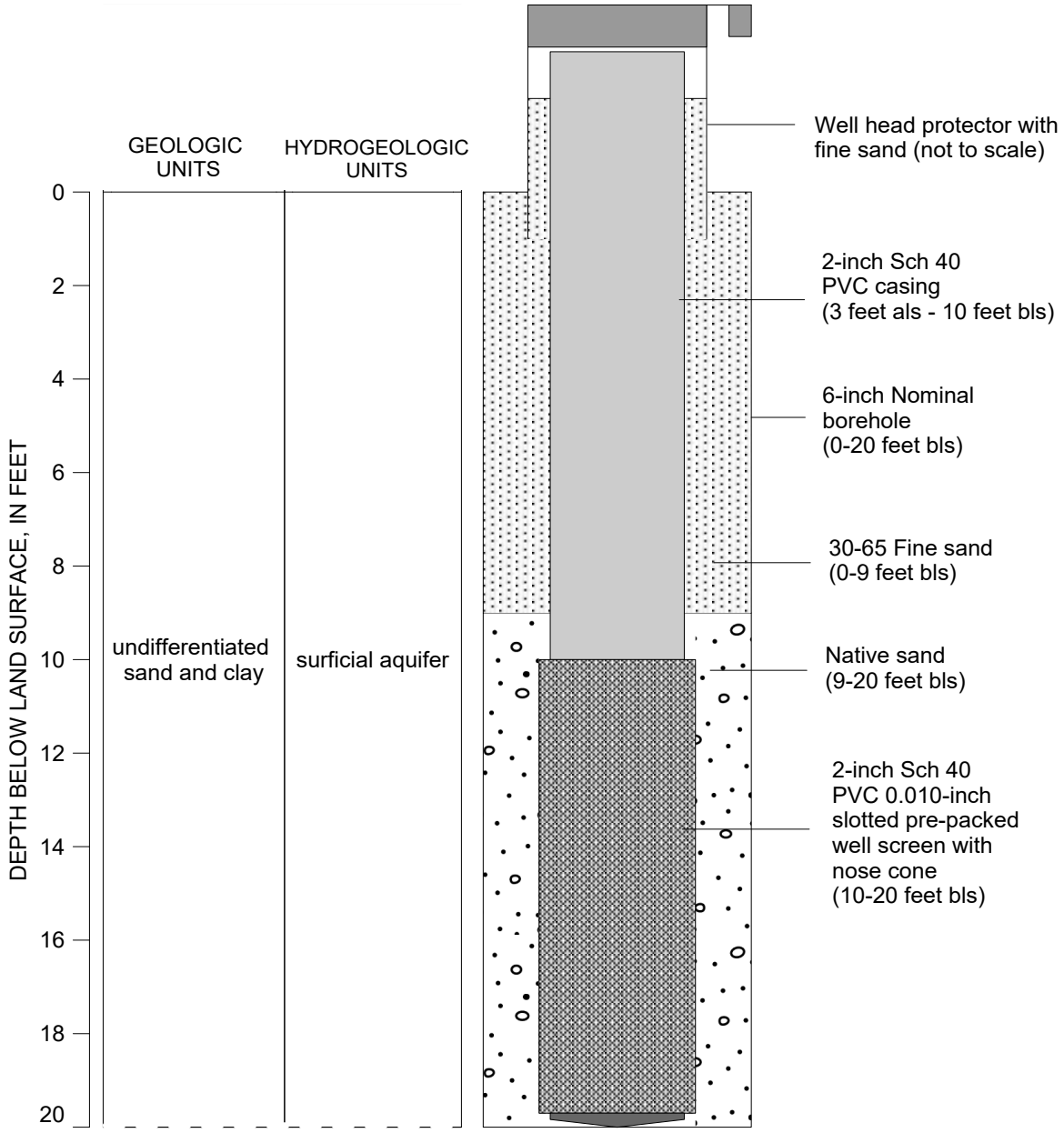
Well Name:	Saddle Blanket Scrub 1 Surf Aq Monitor
SID:	965378
WCP:	901005
S/T/R:	S21/T28S/R26E
Latitude:	27° 39' 51.60"
Longitude:	-81° 34' 49.61"
Reporting Category:	SAD1
Const. Began:	06/22/2021
Const. Complete:	06/22/2021

EXPLANATION

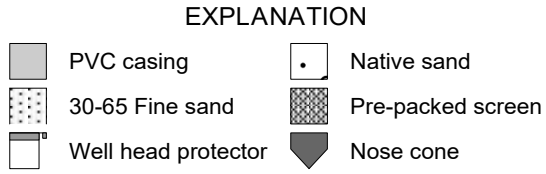
PVC casing
30-65 Fine sand
Well head protector
Pre-packed screen
Nose cone
Native sand

[als, above land surface; bls, below land surface; Sch, schedule; PVC, polyvinyl chloride; Surf, surficial; Aq, aquifer; SID, station identification; WCP, well construction permit; S/T/R, Section/Township/Range; S, south; E, east; Const., construction]

Attachment 4. As-built diagram for the Surf Aq Monitor well at the Saddle Blanket Scrub 1 well site in Polk County, Florida.

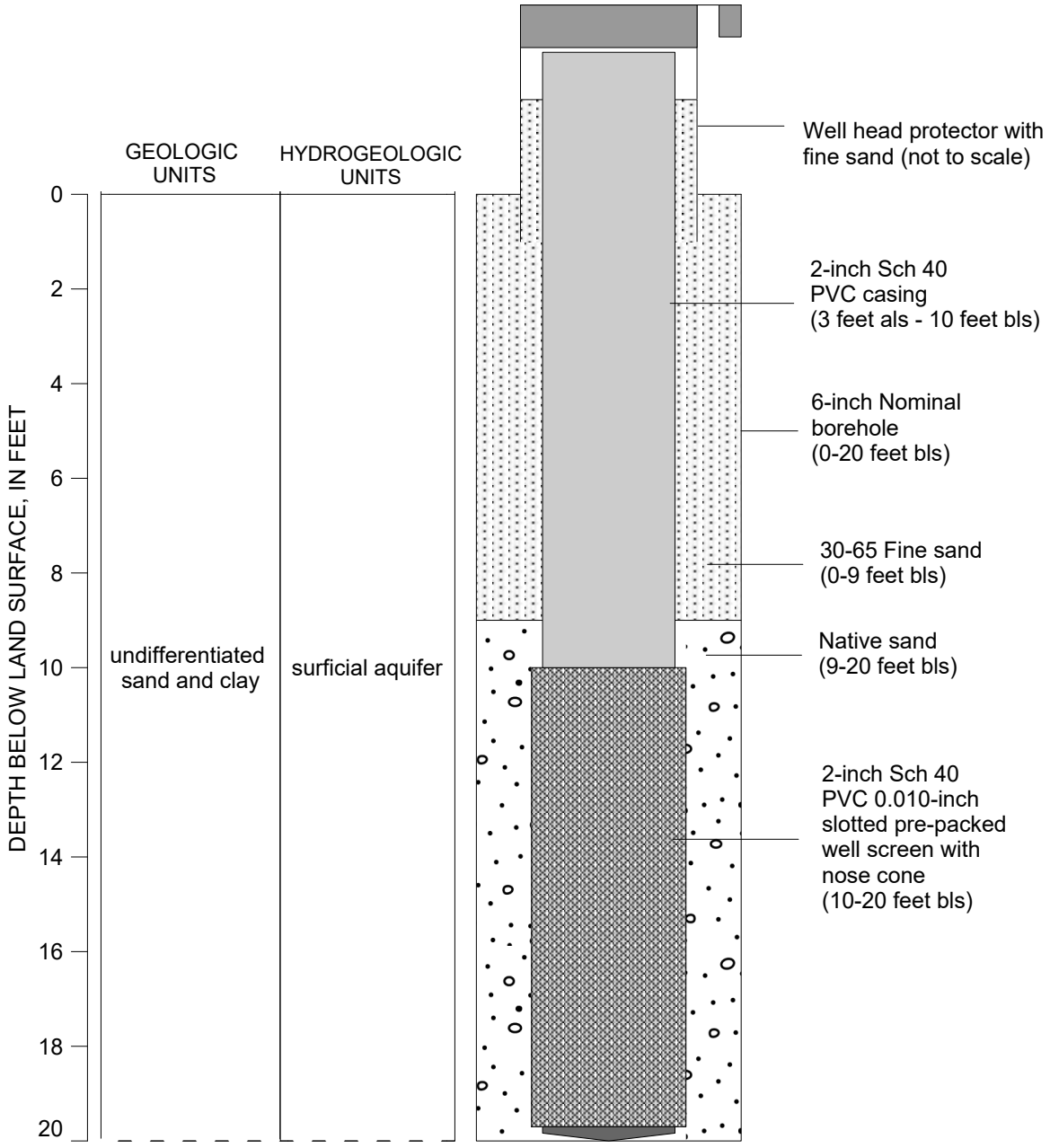


Well Name:	Lake Marie Surf Aq Monitor
SID:	963930
WCP:	902890
S/T/R:	S21/T28S/R26E
Latitude:	28° 00' 59.08"
Longitude:	-81° 36' 18.56"
Reporting Category:	LMAR
Const. Began:	06/23/2021
Const. Complete:	06/23/2021

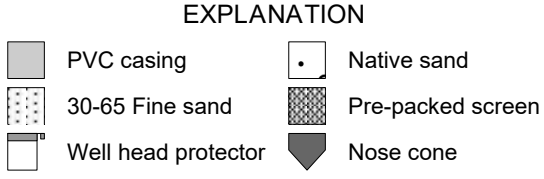


[als, above land surface; bls, below land surface; Sch, schedule; PVC, polyvinyl chloride; Surf, surficial; Aq, aquifer; SID, station identification; WCP, well construction permit; S/T/R, Section/Township/Range; S, south; E, east; Const., construction]

Attachment 4. As-built diagram for the Surf Aq Monitor well at the Lake Marie well site in Polk County, Florida.

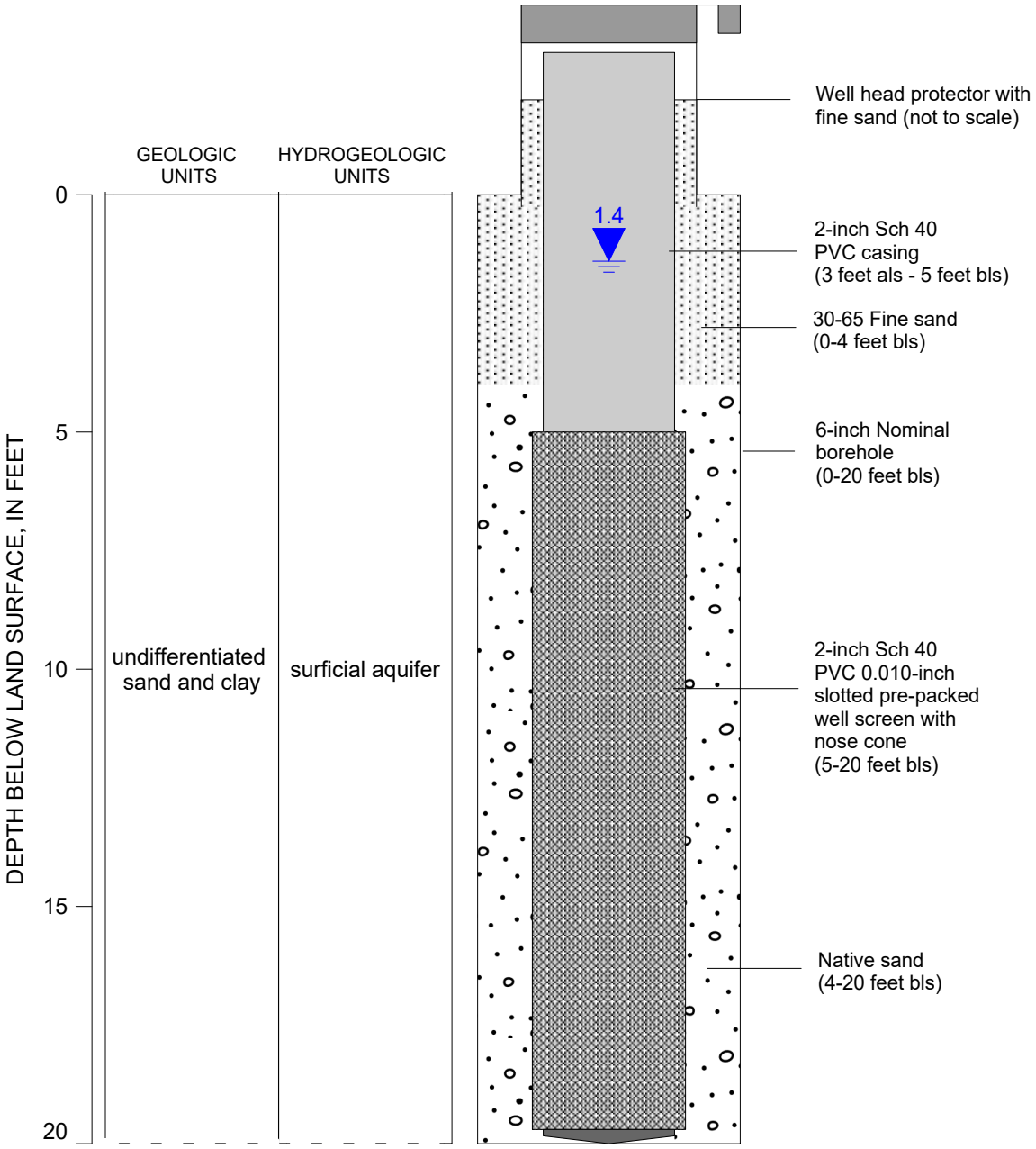


Well Name:	Tiger Creek 2 Surf Aq Monitor
SID:	964152
WCP:	901004
S/T/R:	S21/T28S/R26E
Latitude:	27° 48' 41.78"
Longitude:	-81° 28' 43.94"
Reporting Category:	TIG2
Const. Began:	06/26/2021
Const. Complete:	06/27/2021



[als, above land surface; bls, below land surface; Sch, schedule; PVC, polyvinyl chloride; Surf, surficial; Aq, aquifer; SID, station identification; WCP, well construction permit; S/T/R, Section/Township/Range; S, south; E, east; Const., construction]

Attachment 4. As-built diagram for the Surf Aq Monitor well at the Tiger Creek 2 well site in Polk County, Florida.



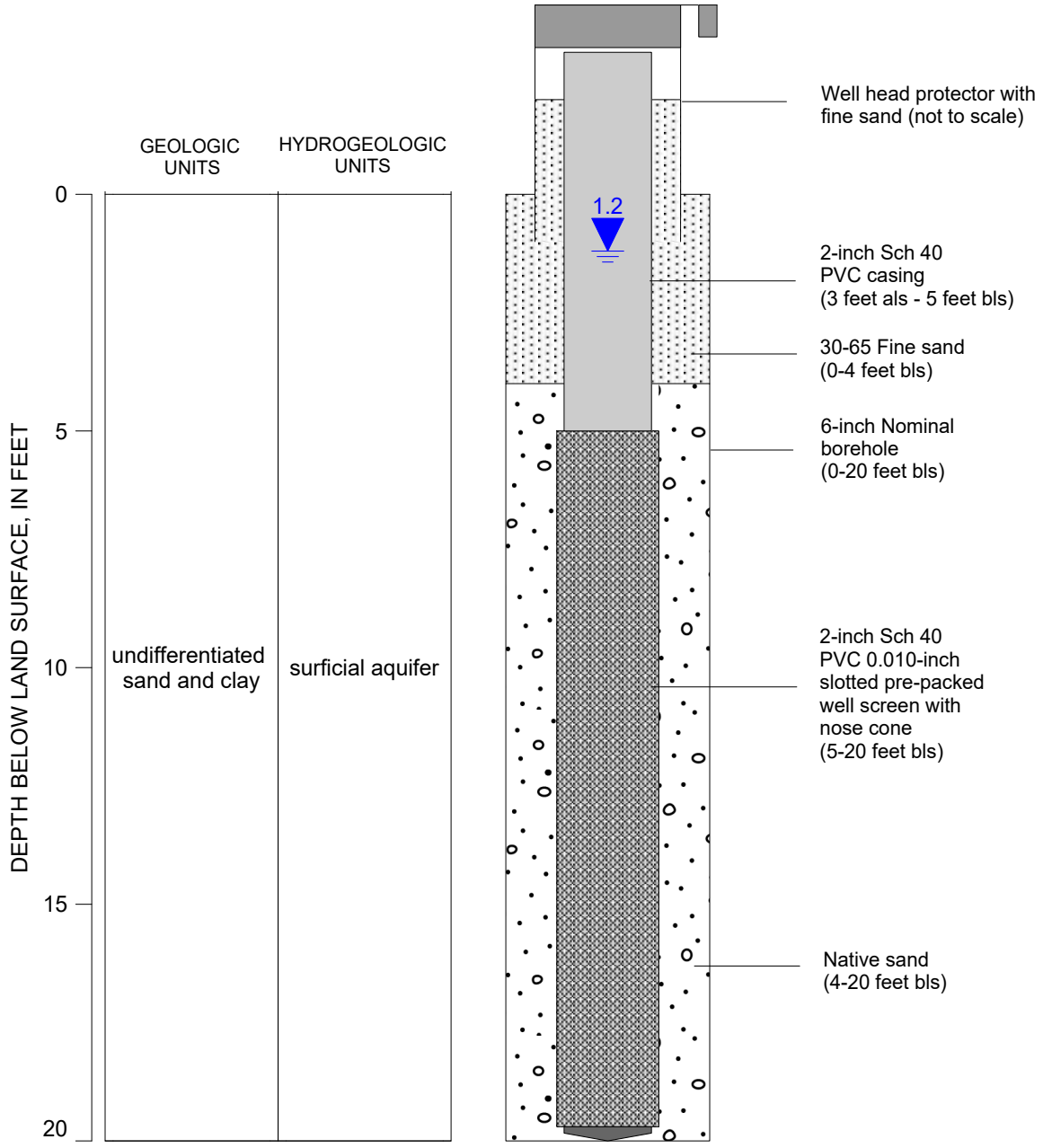
Well Name:	Crooked Lake WEA 1 Surf Aq Monitor
SID:	974289
WCP:	908861
S/T/R:	S34/T31S/R27E
Latitude:	27° 44' 04.15"
Longitude:	-81° 36' 23.37"
Reporting Category:	CLE1
Const. Began:	12/14/2021
Const. Complete:	12/14/2021

EXPLANATION

PVC casing
Well head protector
Native sand
Pre-packed screen
Nose cone
30-65 Fine sand

[als, above land surface; bls, below land surface; Sch, schedule; PVC, polyvinyl chloride; WEA, Wildlife and Environmental Area; Surf, surficial; Aq, aquifer; SID, station identification; WCP, well construction permit; S/T/R, Section/Township/Range; S, south; E, east; Const., construction]

Attachment 4. As-built diagram for the Surf Aq Monitor well at the Crooked Lake WEA 1 well site in Polk County, Florida.



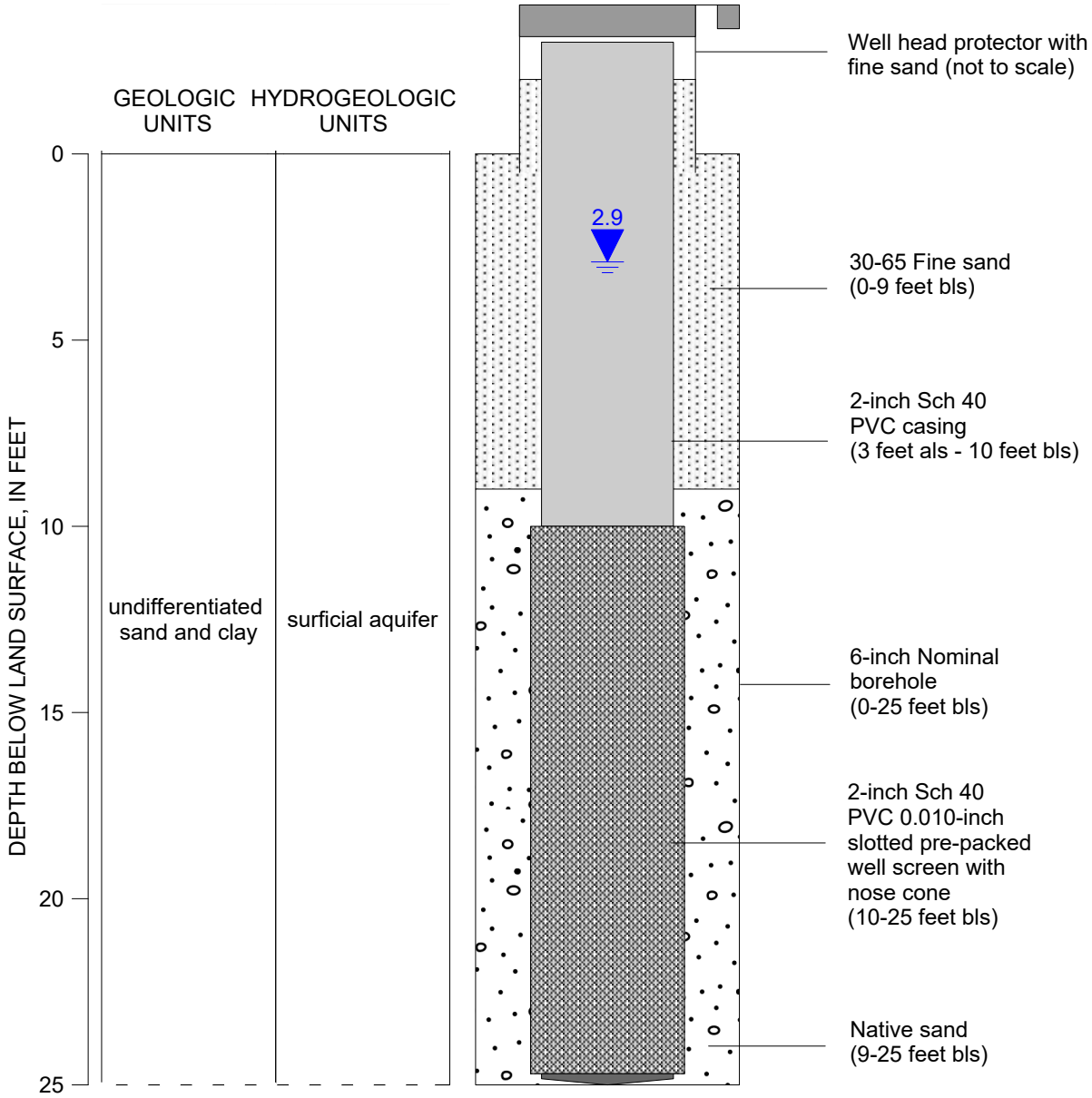
Well Name:	Crooked Lake WEA 2 Surf Aq Monitor
SID:	974365
WCP:	908861
S/T/R:	S21/T28S/R26E
Latitude:	27° 44' 38.59"
Longitude:	-81° 36' 34.08"
Reporting Category:	CLE2
Const. Began:	12/14/2021
Const. Complete:	12/14/2021

EXPLANATION

PVC casing
Well head protector
30-65 Fine sand
Pre-packed screen
Native sand
Nose cone

[als, above land surface; bls, below land surface; Sch, schedule; PVC, poly-vinyl chloride; WEA, Wildlife and Environmental Area; Surf, surficial; Aq, aquifer; SID, station identification; WCP, well construction permit; S/T/R, Section/Township/Range; S, south; E, east; Const., construction]

Attachment 4. As-built diagram for the Surf Aq Monitor well at the Crooked Lake WEA 2 well site in Polk County, Florida.



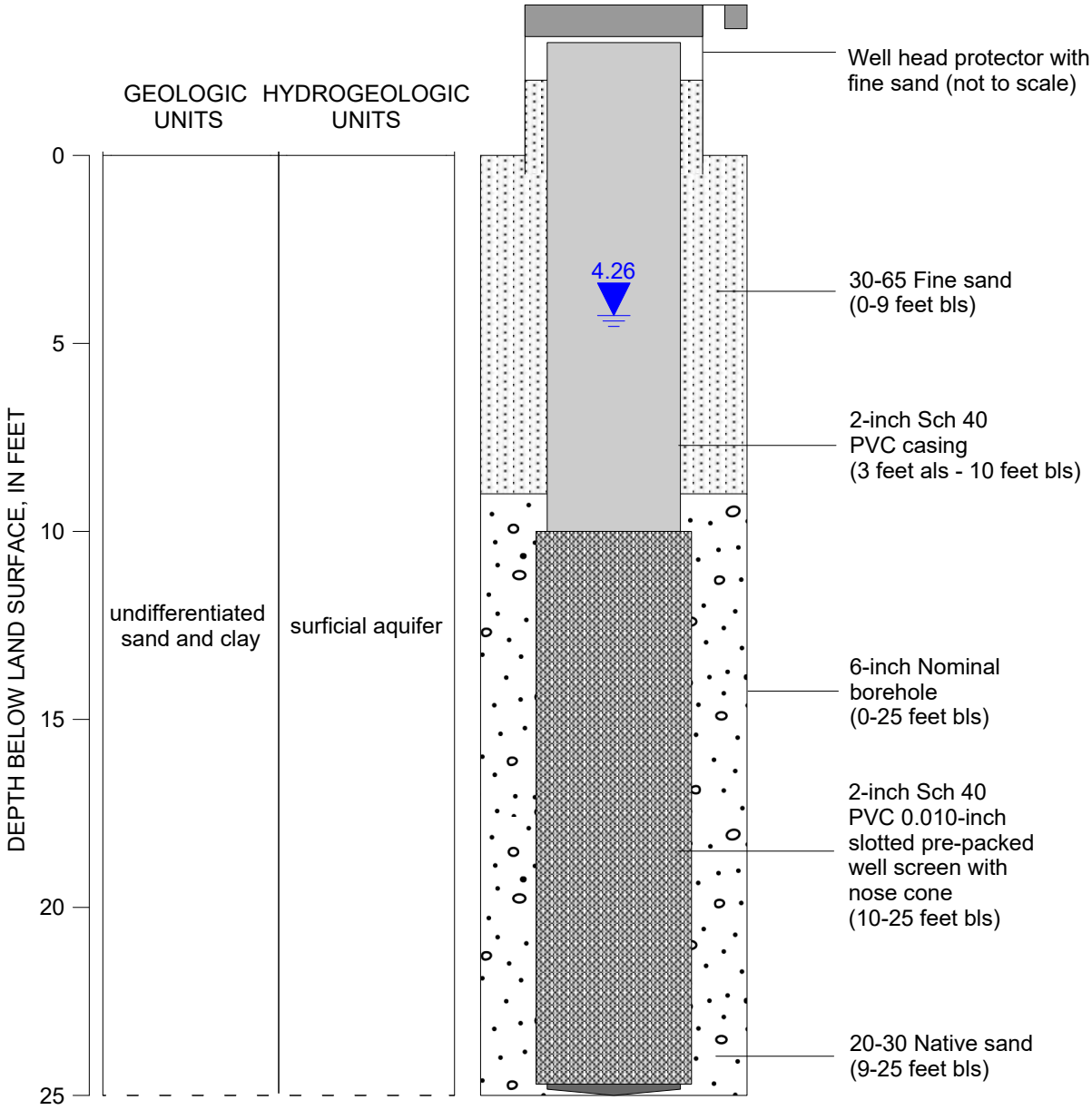
Well Name:	Gator Creek Reserve 1 Surf Aq Monitor
SID:	993108
WCP:	919636
S/T/R:	S34/T26S/R22
Latitude:	28° 10' 35.86"
Longitude:	-81° 59' 00.44"
Reporting Category:	GCR1
Const. Began:	10/25/2022
Const. Complete:	10/25/2022

EXPLANATION

- Well head protector
- 30-65 Fine sand
- PVC casing
- Pre-packed screen
- Nose cone
- Native sand

[als, above land surface; bls, below land surface; Sch, schedule; PVC, polyvinyl chloride; Surf, surficial; Aq, aquifer; SID, station identification; WCP, well construction permit; S/T/R, Section/Township/Range; S, south; E, east; Const., construction]

Attachment 4. As-built diagram for the Surf Aq Monitor well at the Gator Creek Reserve 1 well site in Polk County, Florida.



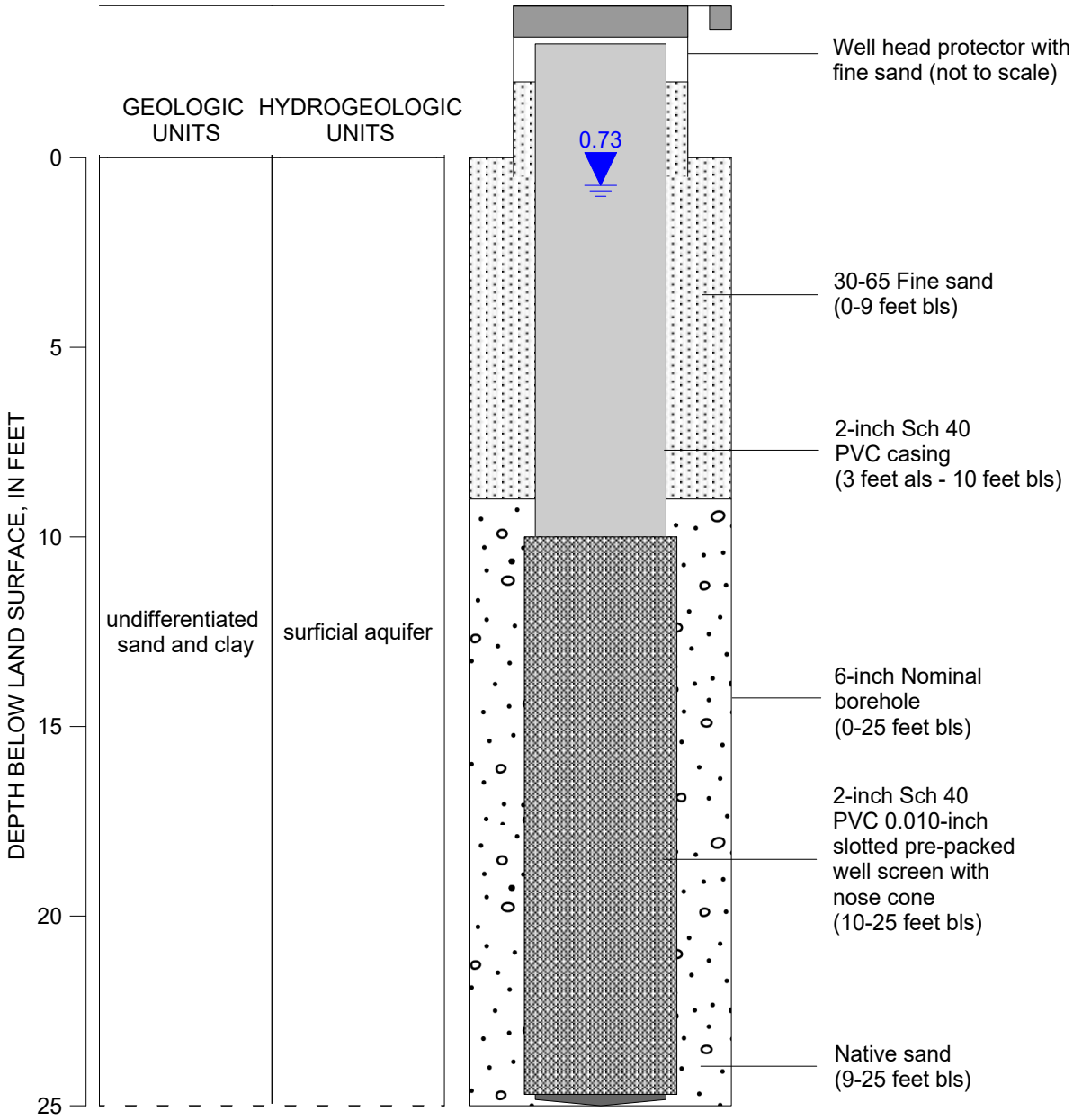
Well Name:	Gator Creek Reserve 2 Surf Aq Monitor
SID:	1012513
WCP:	919634
S/T/R:	S34/T26S/R22E
Latitude:	28° 10' 56.80"
Longitude:	-81° 57' 35.10"
Reporting Category:	GCR2
Const. Began:	10/25/2022
Const. Complete:	10/25/2022

EXPLANATION

- Native sand
- Well head protector
- Pre-packed screen
- Nose cone
- 30-65 Fine sand
- PVC casing

[als, above land surface; bls, below land surface; Sch, schedule; PVC, polyvinyl chloride; Surf, surficial; Aq, aquifer; SID, station identification; WCP, well construction permit; S/T/R, Section/Township/Range; S, south; E, east; Const., construction]

Attachment 4. As-built diagram for the Surf Aq Monitor well at the Gator Creek Reserve 2 well site in Polk County, Florida.



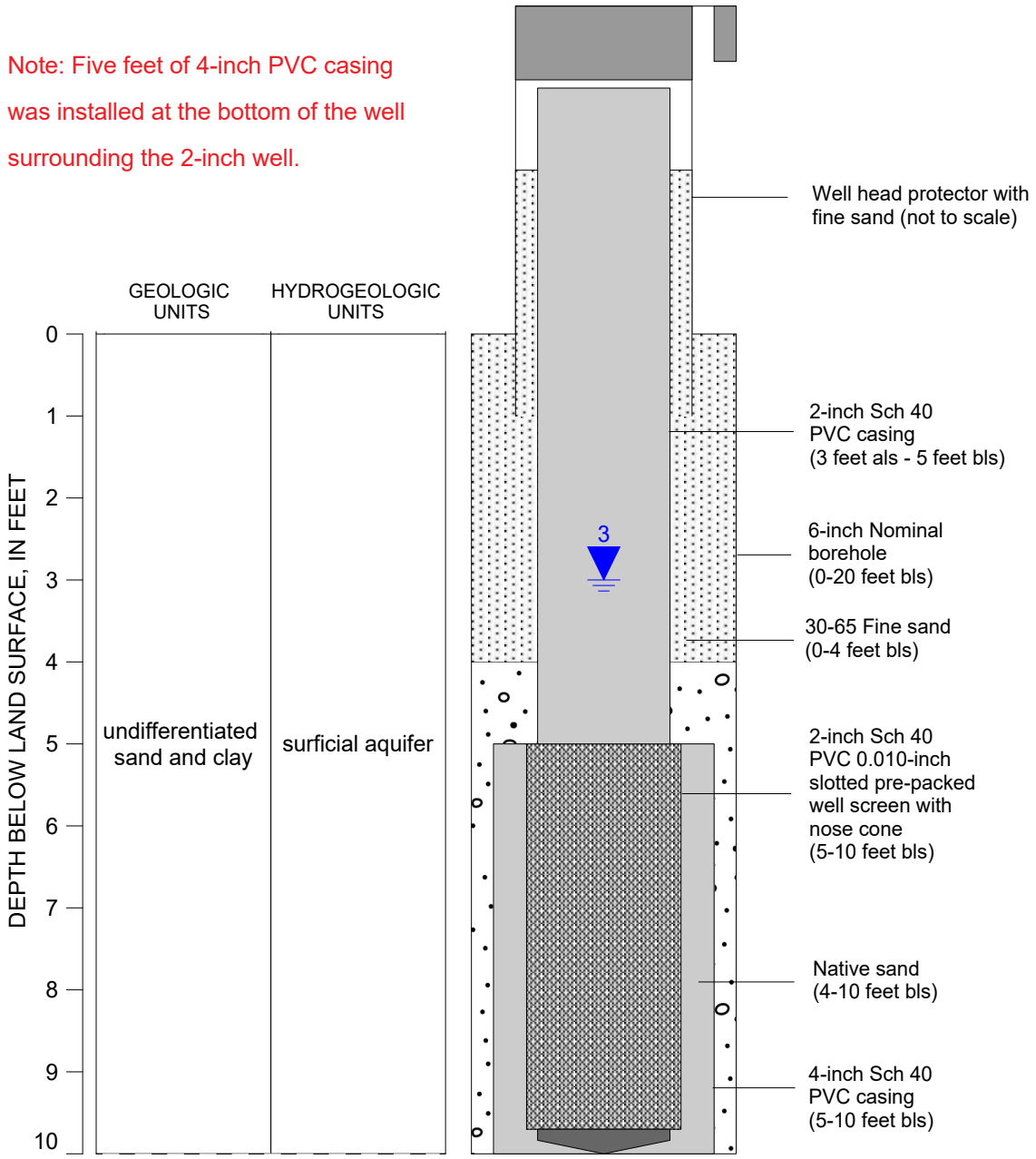
Well Name:	Bonnet Lake Marsh Surf Aq Monitor
SID:	1012509
WCP:	921188
S/T/R:	S12/T27S/R26E
Latitude:	28° 09' 24.05"
Longitude:	-81° 39' 35.55"
Reporting Category:	BNET
Const. Began:	12/02/2022
Const. Complete:	12/02/2022

EXPLANATION

- Well head protector
- 30-65 Fine sand
- PVC casing
- Pre-packed screen
- Native sand
- Nose cone

[bls, below land surface; Sch, schedule; PVC, polyvinyl chloride; Surf, surficial; Aq, aquifer; SID, station identification; WCP, well construction permit; S/T/R, Section/Township/Range; S, south; E, east; Const., construction]

Attachment 4. As-built diagram for the Surf Aq Monitor well at the Bonnet Lake Marsh well site in Polk County, Florida.



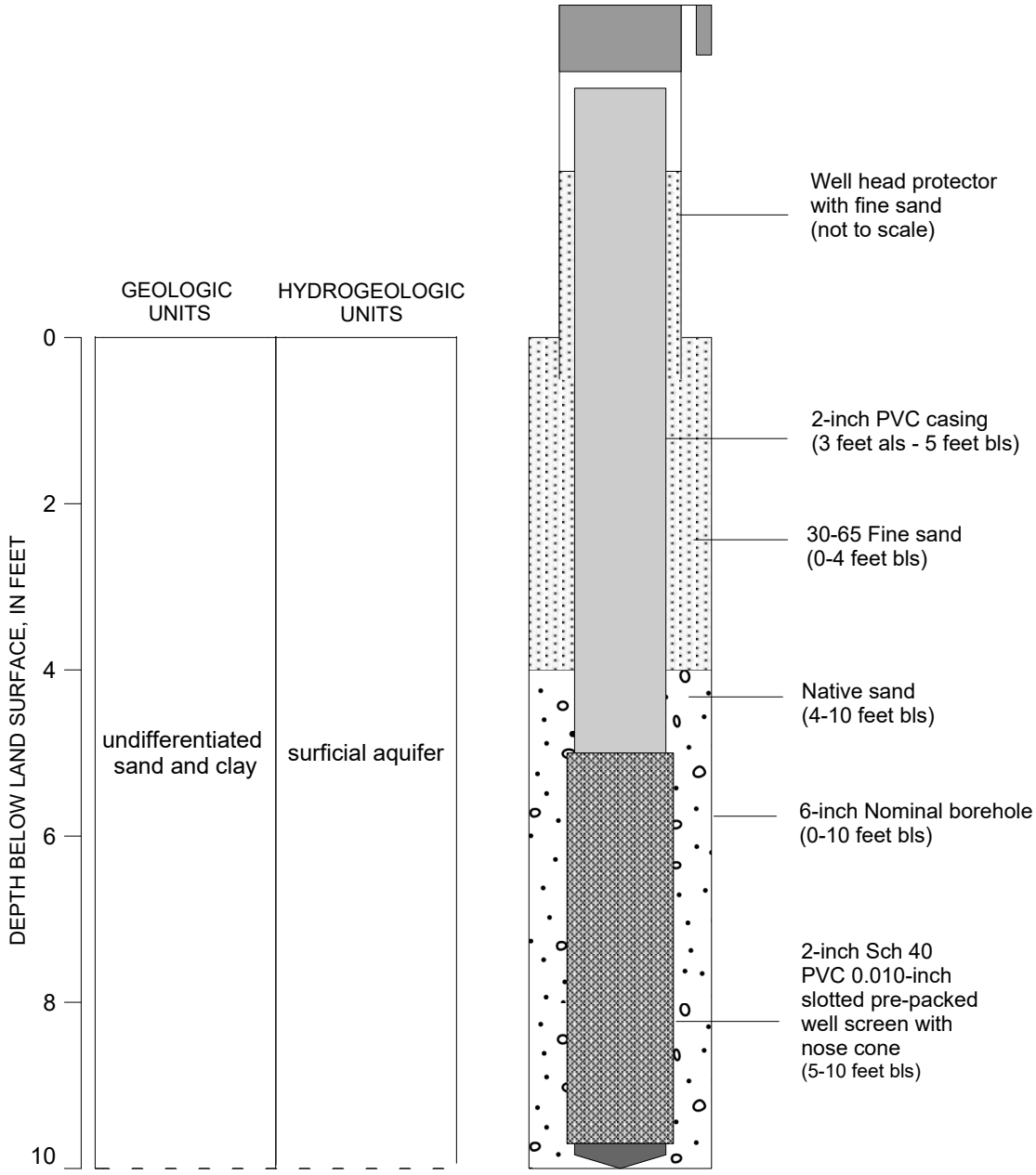
Well Name:	Crooked Lake Prairie Surf Aq Monitor
SID:	1012955
WCP:	921830
S/T/R:	S21/T28S/R26E
Latitude:	27° 48' 26.04"
Longitude:	-81° 33' 59.04"
Reporting Category:	CLPR
Const. Began:	12/19/2022
Const. Complete:	12/19/2022

EXPLANATION

PVC casing
Well head protector
Native sand
Pre-packed screen
Nose cone
30-65 Fine sand

[als, above land surfacebls, below land surface; Sch, schedule; PVC, polyvinyl chloride; Surf, surficial; Aq, aquifer; SID, station identification; WCP, well construction permit; S/T/R, Section/Township/Range; S, south; E, east; Const., construction]

Attachment 4. As-built diagram for the Surf Aq Monitor well at the Crooked Lake Prairie well site in Polk County, Florida.



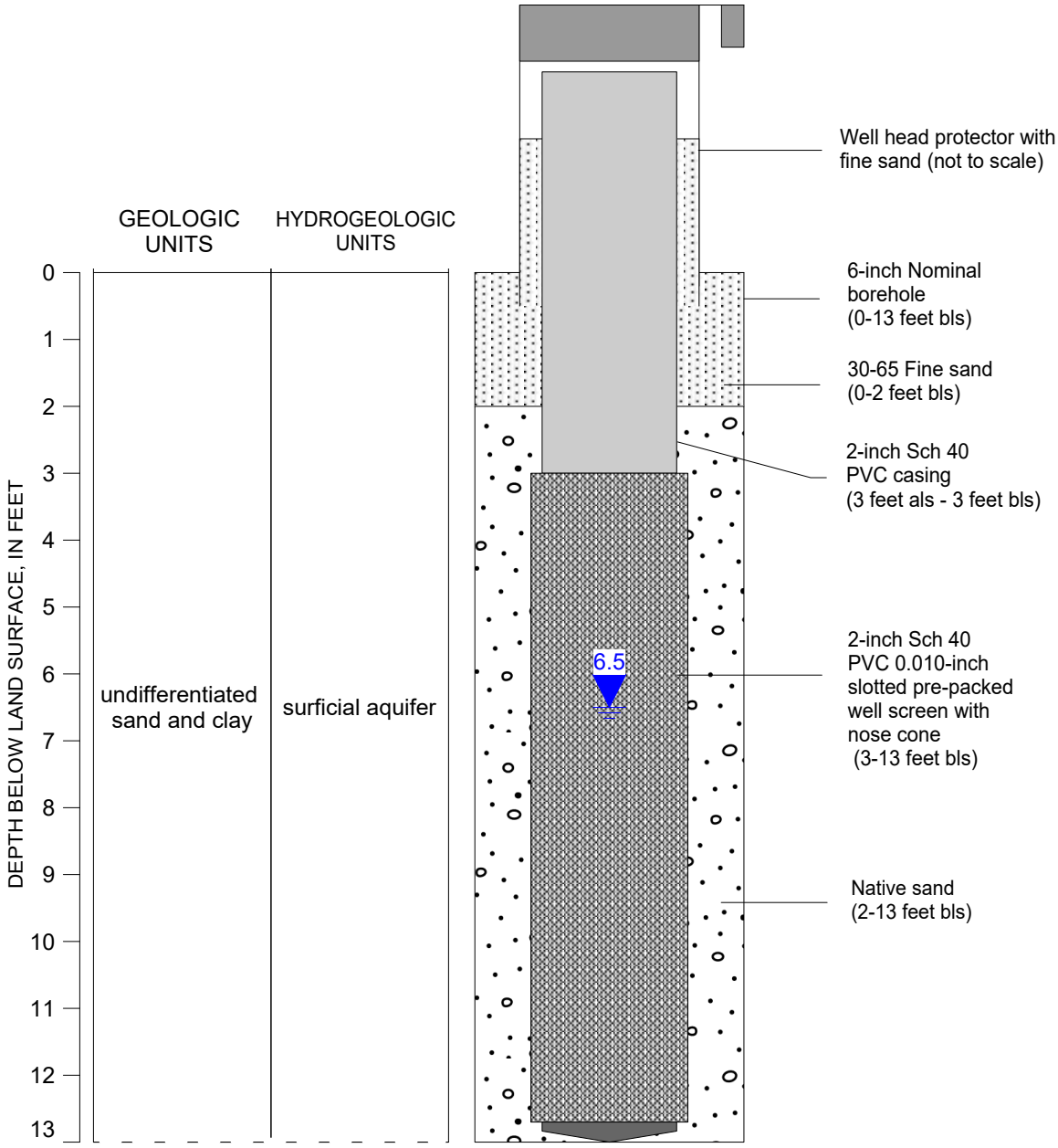
Well Name:	Hickory Lake Scrub Surf Aq Monitor
SID:	996352
WCP:	921827
S/T/R:	S17/T32S/R28E
Latitude:	27° 41' 53.28"
Longitude:	-81° 32' 13.78"
Reporting Category:	HILS
Const. Began:	01/19/2023
Const. Complete:	01/19/2023

EXPLANATION

PVC casing
Well head protector
Pre-packed screen
Nose cone
Native sand
30-65 Fine sand

[als, above land surface; bls, below land surface; Sch, schedule; PVC, polyvinyl chloride; Surf, surficial; Aq, aquifer; SID, station identification; WCP, well construction permit; S/T/R, Section/Township/Range; S, south; E, east; Const., construction]

Attachment 4. As-built diagram for the Surf Aq Monitor well at the Hickory Lake Scrub well site in Polk County, Florida.



Well Name:	Hilochee Osprey West Surf Aq Monitor
SID:	1012959
WCP:	921189
S/T/R:	S31/T26S/R26E
Latitude:	28° 11' 06.28"
Longitude:	-81° 44' 23.67"
Reporting Category:	HOSP
Const. Began:	06/16/2023
Const. Complete:	06/16/2023

EXPLANATION

Native sand
Pre-packed screen
Nose cone
Well head protecto
30-65 Fine sand
PVC casing

[als, above land surface; bls, below land surface; Sch, schedule; PVC, polyvinyl chloride; Surf, surficial; Aq, aquifer; SID, station identification; WCP, well construction permit; S/T/R, Section/Township/Range; S, south; E, east; Const., construction]

Attachment 4. As-built diagram for the Surf Aq Monitor well at the Hilochee Osprey West well site in Polk County, Florida.

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG - CORE REPORT

REPORT #	SITE GEOLOGIST	DATE	DATE ON SITE	START DEPTH
1	TJ FALLON	29 Jan '19	29 Jan '19	1.5

CONTRACTOR	CREW	PROPOSED TD	PROGRESS	DEPTH
Huss	Dalton, Trey, Ben H	20 ft	18 ft	17.5

WELL SITE	PASTURE RESERVE 1	WELL NAME	SURFICIAL AQUIFER MONITOR

TIME LOG From	TIME LOG To	DEPTH	DETAILS OF OPERATIONS
07:50			- Drillers + Hydro on-site
08:20			- Rig-up
08:25		1-4'	- Post Hole dig Water Level 1.3' b/s
		4-9'	- Tube.
	8:35	9-16'	- Tube
			- Prep for Well Installation
8:55		1.5-5'	- 6-inch Auger Down
8:57		5'-10'	- 6-inch Auger Down
09:01		10'-15'	- 6-inch Auger Down
09:08	09:11	15'-18'	- 6-inch Auger Down to 20'
			- Fill Augers with Water → 15.5 ft Screen
			↳ Screen-in (17.5 ft Screen & 5 ft Blank)
			↳ Knock-Out
	09:40		↳ Sand-in Annulus
9:53	10:30		- Develop Well = Initial W.L. = 5.28 btoc
			Pumping W.L. = 11.05'
			Pumping Rate = 2.4 gpm
			2:05 min/5 gallons = 2.4 gpm
			5.8/2.4 = 0.45 ft/gal
			= 2.42 gpm/ft
	10:35		- Mob to Post 2
			Bag Sand = NIL
			1 Bag Fine Sand
			Rig: GeoProbe

District Representative			

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG - CORE REPORT

REPORT #	SITE GEOLOGIST	DATE	DATE ON SITE	START DEPTH
2	TJ FALLON	30 Jan	29 Jan	

CONTRACTOR	CREW	PROPOSED TD	PROGRESS	DEPTH
Hess	Ben Hess			

WELL SITE	PASTURE RESERVE 1	WELL NAME	SURFICIAL AQUIFER MONITOR

TIME LOG From	TIME LOG To	DEPTH	DETAILS OF OPERATIONS
08:30	8:30		- Explace well cover

District Representative			

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG - CORE REPORT

REPORT #	SITE GEOLOGIST	DATE	DATE ON SITE	START DEPTH
1	TJ FALLON			

CONTRACTOR	CREW	PROPOSED TD	PROGRESS	DEPTH

WELL SITE	PASTURE RESERVE #2 - 17	WELL NAME	SURFICIAL AQUIFER MONITOR

TIME LOG From	TIME LOG To	DEPTH	DETAILS OF OPERATIONS
14:55			- On Site
15:01		1-3	- Post Hole W.L. 2.15ft - blo
15:12		3-8	- Tube
			↳ Tube Stuck in Rod
15:30		1.5-8	- Auger Down w/ 6-inch Hollow Stem Auger
15:37			- Well in 5-Screen & 5-Sand Blank
			- Sand in Well-Annulus
			- No Tag Possible
			↳ Pour Slug of water into well to Sit overnight
16:00			- Off-site
			Note: Driller ran in 15ft Rods during Tube Sampling
			RIG = GeoProbe Bag = 20/30 = 11
			Fine Sand Bags = 1

District Representative			

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG - CORE REPORT

REPORT #	SITE GEOLOGIST	DATE	DATE ON SITE	START DEPTH
2	TJ FALLON			

CONTRACTOR	CREW	PROPOSED TD	PROGRESS	DEPTH

WELL SITE	PASTURE RESERVE 2	WELL NAME	SURFICIAL AQUIFER MONITOR

TIME LOG From	TIME LOG To	DEPTH	DETAILS OF OPERATIONS
8:40	9:50		- Place Well Cover ↳ Surge + Bail to develop well ↳ Pour Recharge

District Representative			

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG - CORE REPORT

REPORT #	SITE GEOLOGIST	DATE	DATE ON SITE	START DEPTH
1	TJ FALLON	29 Jan	29 Jan	L.S.

CONTRACTOR	CREW	PROPOSED TD	PROGRESS	DEPTH
Huss	Dalton, Trey, Robth.	20ft	9'	9'

WELL SITE	PASTURE RESERVE 3-11?	WELL NAME	SURFICIAL AQUIFER MONITOR

TIME LOG From	TIME LOG To	DEPTH	DETAILS OF OPERATIONS
12:46			On-Site;
12:51		1-4'	Post-Hole W.L. @ 2.0ft bls
12:58			Mast Up; Prep To Take Sample
13:00	13:02	4'-9'	Tube Sample
13:02	13:14		Retrieve Frog from Drilling Trailer
13:16	13:16		Tube Sample Retrieved
13:21	13:30	L.S.-9'	6" Auger Down
13:34			Knock Plug out of Augers; Emplace Well
13:41			20/30 Sand in Annulus
13:57	14:30		
			Develop Well Static W.L. 5.32' btoc
			Final W.L. ~10.1' btoc
			GPM = 2.26 gpm
			Note: Drawdown is more 13:57:35 2.216 min
			than 10.1ft btoc 13:59 48 = 2.26 gpm
			+ 1.95 = Pump length
			12.05 ft btoc 2.26 gpm / 4.78 ft = 0.472 gpm/ft
			- 5.32 ft ↓
			6.63 High number
			Could be lower
			Final 2.26 gpm / 6.63 ft = 0.34 gpm/ft
14:33			Mob to PAST 3
			Bags Sand = III
			1 Bag Fine Sand = 1
			Rig: GeoProbe

District Representative			

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG - CORE REPORT

REPORT #	SITE GEOLOGIST	DATE	DATE ON SITE	START DEPTH
2	TJ FALLON	29 Jan	30 Jan	

CONTRACTOR	CREW	PROPOSED TD	PROGRESS	DEPTH
	Ben Hess			

WELL SITE	PASTURE RESERVE 3	WELL NAME	SURFICIAL AQUIFER MONITOR

TIME LOG From	TIME LOG To	DEPTH	DETAILS OF OPERATIONS
08:20	08:40		- Emplace Well Shelter 4 Mah to Post
09:30	09:45		- Police Site, GPS, Lock Well, Final W.L
			W.L = 42.06

District Representative			

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG - CORE REPORT

REPORT #	SITE GEOLOGIST	DATE	DATE ON SITE	START DEPTH
1	TJ FALLON	25 Sept 2019	25 Sept 19	4.5

CONTRACTOR	CREW	PROPOSED TD	PROGRESS	DEPTH
Mendez Drilling	Matt, Roy, John, Shy	55	15	15-SPT
				13 St Well

WELL SITE	Crooked Lake West #2	WELL NAME	SA Monitor - Wetlands Transect

TIME LOG From	TIME LOG To	DEPTH	DETAILS OF OPERATIONS
08:25			- Fallon, FGT Rep Frank Grubbs on-site
09:00			- Mendez/Sunstate on-site; Mob to Well Location
09:30			- FGT SSS-site
09:32		0-3	- Post Hole dig
09:35	9:38	3-5	- SPT Blows = 12 (2, 3, 3, 4)
9:38	9:46	4.5-8	- Emplace Tub, Mix Mud; Drill out to 5
9:47	9:49	8-8&9.5	- SPT Blows = 82 IR (5, 27, 50-Ref) ~~8-8.5~~ 8-9.5'
9:53	9:56	8.5-13	- Drill Out
9:59	10:00	13-15	- SPT Blows = 51 (9, 11, 15, 16)
10:00			- Changeover to 7½-inch Augers (Nominal -6-inch)
10:27	10:44	4.5-13	- Auger Down; Tim Fallon instructs Driller to dispense sand from auger on District grounds.
			↳ Driller Augers up + down
10:55			- Knock-Out Auger Plug + Emplace Well (10-St Screen + 3-St slick)
	11:13		↳ Sand-in Annulus
11:14			- Flush Well; Sand-in annulus
	11:19		- Mark down; Flush Well w/ Aqua-Clean
11:44	12:07		- Develop Well + Surge
12:13	12:31		- Develop Well + Surge @ 0.75gpm + Flush
12:35	13:00		- Develop + Flush
			↳ Mix + Pour in Aqua Clean
13:15	12:44		- Develop
			Pump Test 1.42 gpm for 2.41 St drawdown = 0.59 gpm/St
13:50			- Flush; Emplace Well Cover
			27° 49' 03.642" } Site Coordinates
			81° 36' 07.866" }
1405			- All Parties off Site
			Bags 20/30 Sand = IIII Fine Sand 30/65 = 1 Bag
			Rig: Diedrich 50 on Maroota Track Mount

District Representative	TJ Fallon	25-Sept 2019	

1' extension on top

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG - CORE REPORT

3' Riser
30' Screen
5' Pipe

9-5' Flights
~~2' extension~~

REPORT #	SITE GEOLOGIST	DATE	DATE ON SITE	START DEPTH
1	TJ FALLON & K. MALLAMS	6 Jan 2020	6 Jan 2020	L.S.

20/30 Sand

CONTRACTOR	CREW	PROPOSED TD	PROGRESS	DEPTH
Mendez Drilling	Matt Henson, Ray Smith, Chance	40		

S.C.= 3 GPM/Ft

WELL SITE	Arbuckle 2	WELL NAME	SA Monitor - Wetlands Transect

TIME LOG From	TIME LOG To	DEPTH	DETAILS OF OPERATIONS Morooka Track Rig
11:50			On Site; Rig On; Mix Mud
12:10		L.S.-3	Drill Down;
12:16		3-5	SPT; Blows (8, 8, 10, 13) 39 blows
12:20		5-8	Drill Down
12:24		8-10	SPT; Blows (4,5, 8, 23) 40 blows
12:27		10-13	Drill Down
12:30		13-15	SPT Blows (30, 41, 59, 82,) 212 blows
12:38		15-18	Drill Down
12:43		18-~~20~~19.5	SPT Blows (35, 64, 72 - Refusal @ 17-inches) - Very dense quartz Sand
12:49	19.5	~~20~~-23	Drill Down; ~~Thinning mud~~ / Add H2O + Mud
12:55		23-25	SPT Blows (14, 13, 16, 16) 59 blows
12:58		25-28	Drill Down
13:02		28-30	SPT - Blows (12, 13, 17, 18) 60 blows
13:06		30-33	Drill Down
13:09		33-35	SPT - Blows (15, 18, 36, 46) 115 blows
13:14			Trip Out; Prep for Well Installation;
1320			Emptying mud tub;
~~1335~~		~~0-5~~	~~Reaming pilot hole~~ 5 in ID; 7 in OD
13:35		0-5	Auger Down;
1338		5-10	" "
1340		10-15	" "
1344		15-20	" "
1348		20-25	" "
1350		25-30	" "
1353		30-35	
	1402	35-37	
1405			Putting tremmie pipe down to knock out plug
1410			Screen down 10' sections - III
			Blank - 5' - 1
	1455		50lb - Rays 20/30 Sand - IIII IIII IIII = 15 bags (Actual 14.5 bags)
			30ft Screen / 5ft Blank WL ~ 5.5 bls
			30/65 Fine Sand - 3/4 bag
1535			8.45' bTOC - 3' stick up = 5.45 bls
			~~Trouble~~ Whale pump - 2.93 gal/min
1541			Begin purge
1611e			WL 8.5' bTOC =
			3 min 56.5 sec / 5 gal = 236.5 sec 0.0211 gal/sec 1.269 gal/min
1624			8.8 ft bTOC = 5.8 ft bls
1641	leave site		Specific Capacity = 1.269 GPM / (5.8 ft - 5.45 ft) = 3.6 GPM/Ft

District Representative			

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG - CORE REPORT

REPORT #	SITE GEOLOGIST	DATE	DATE ON SITE	START DEPTH
1	TJ FALLON & K. MALLAMS	6 Jan 2020	6 Jan 2020	L. S.

CONTRACTOR	CREW	PROPOSED TD	PROGRESS	DEPTH
Mendez Drilling	Matt Herron, Roy Smith, Chance	40		

WELL SITE	Arbuckle 1	WELL NAME	SA Monitor - Wetlands Transect

TIME LOG From	TIME LOG To	DEPTH	DETAILS OF OPERATIONS (Moodoka Tracts 12 & 5)
15:58			- Rig Onsite; Prep for SPT: Mix Hydrate Quik Gel-Mud
16:19		L.S.-3	- Drill, 2-inch Nominal borehole
16:35		3-5	- SPT; Blow Count (4,6,7,9) - 26 Blows - Wet Sand
16:38		5-8	- Drill
16:41		8-10	- SPT: Blow Count (5,5,7,7) - 24 Blows
16:42	17:02		- Hammer Slips - Cat Head Rope Tangles - Mechanical Delay
17:07		10-13	- Drill
17:13		13-15	- SPT; Blow Count (8,13,25,37) - 83 Blows
17:17		15-18	- Drill
17:20		18-20	- SPT; Blow Count (10,11,13,13) - 47 Blows
		~~20-23~~	~~- Drill~~ 4 Cathead Rope breaks
17:45			- All parties oss-site
7 Jan 2020 08:10			- All parties on site; prep for Drilling (7 Jan 2020)
08:20		20-23	- Drill
08:35		23-25	- SPT - Blow Count (9, 11, 22, 27) 69 Blows
08:38		25-28	- Drill
		28-30	- SPT - Blow Count (10, 11, 13, 20) 56 Blows
			Auger Down 7" OD 5" ID Augers - 5' length
0943		5-10	" "
0947		10-15	" "
0951		15-20	" "
0954		20-25	" "
0957	1002	25-30	
1004			Tremmie pipe in
			Estimated # of bags of sand = 14 bags 50 lb 20/30 fine Sand
1026			Screen down 5'-1 10'-1
			Blank - 5' = 1
1029			Bags of 20/30 Sand (50 lb) - ~~THL THL THL +~~ ← 14 Actual
1032			Tapped plug out of tremmie pipe
1120			Break down site
1150			Installing Outter Casing - 3 ft bls
1200			Start purge
			Pump Capacity 5 gal bucket - 2 min 55 sec = 175 sec = 1.714 GPM
			DD = 6.53 ft TOC well Cover = 3.23 ft bls
			Recovery = 6.36 ft TOC well Cover = 3.06 ft bls
			Specific Capacity = 1.714 gpm / (3.23 - 3.06) = 10.08 GPM/ft

District Representative			

Florida Fire Service Rep - Nathan Bartosek

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG - CORE REPORT

TD - 35'

REPORT #	SITE GEOLOGIST	DATE	DATE ON SITE	START DEPTH
1	TJ FALLON & K. MALLAMS	01/07/2020	01/06/2020	L.S

CONTRACTOR	CREW	PROPOSED TD	PROGRESS	DEPTH
Mendez Drilling	Matt Herron, Roy Smith, Chance	40		35

WELL SITE	Walk In Water 2	WELL NAME	SA Monitor - Wetlands Transect

TIME LOG From	TIME LOG To	DEPTH	DETAILS OF OPERATIONS
1420			Crew & Geologist onsite
1430			Site Set up
1445		0-3	Drill L.S. & 3'
1440			Mix Mud Bags & Mud - 1
1449		3-5	Split Spoon (4,3,5,7) 19 total
1451		5-8	Drill
1453		8-10	Split Spoon (7,7,10,11) 35 total
1455		10-13	Drill
1458		13-15	Split Spoon (6,9,11,15) 41 total
1500		15-18	Drill
1502		18-20	Split Spoon (8,11,15,16) 50 total
1506		20-23	Drill
		23-25	Split Spoon (7,8,11,20) 46 ~~56~~ total
1511		25-28	Drill
		28-30	Split Spoon (8,12,15,18) 53 total
1516		30-33	Drill
1519		33-35	Split Spoon (9,11,16,30) 66 total
			TD - 35' bls
1530			KDM off site
			Prep for Augering
15:50	16:06	L.S -	Auger
16:10			- Well into Auger String; 30ft Screen) 5ft blank. Knock plug out
	17:02		- Sand in Annulus 15 bags (14 20/30, 1 fine Sand)
17:17			- Fallen 055 - site
8 Jan 2020 08:00			- All parties on-site
0820	904		- Develop Well
			Pump Capacity = 5 gallon bucket - 205 secs = 1.46 gpm
			DD - 12.30 ft TOC
			Recovery - 12.20 Ft TOC
			Specific Capacity = 1.46 gpm / (12.30 - 12.20) = 14.63 gpm/Ft
09:21			- All parties off Site

District Representative			

8 total Augur Flights

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG - CORE REPORT

REPORT #	SITE GEOLOGIST	DATE	DATE ON SITE	START DEPTH
1	TJ FALLON & K. MALLAMS	01/08/2020	01/08/2020	

CONTRACTOR	CREW	PROPOSED TD	PROGRESS	DEPTH
Mendez Drilling	Matt Herron, Doug Smith, Chance	40		

WELL SITE	Walk In Water 1	WELL NAME	SA Monitor - Wetlands Transect

TIME LOG From	TIME LOG To	DEPTH	DETAILS OF OPERATIONS
1000			Drillers + Crew onsite
1007			Prep site
1016			Mix Mud Bagged Mud - 1
10:19		2.5-3	Drill
	1023	3-5	Split Spoon (7, 11, 14, 12) 44 total
1024		5-8	Drill
1027		8-10	Split Spoon (9, 9, 14, 19) 51 total
1030		10-13	Drill
1033		13-15	Split Spoon (8, 13, 17, 18) 56 total
1034		15-18	Drill
		18-20	Split Spoon (9, 12, 22, 31) 74 Total
1040		20-23	Drill
1043		23-25	Split Spoon (10, 14, 15, 23) 62 total
1045		25-28	Drill
1049		28-30	Split Spoon (12, 19, 26, 35) 92 total
1052		30-33	Drill
	1058	33-35	Split Spoon (13, 21, 30, 43) 107 total
1102			Prepare to Auger
1112	1130	0-35	Augering - 5' Augers 5" ID 7" OD
			Installing Screen interval 10' sections - 111 5' blank
			Bags of Sand - 16 (20/30 Sand) 1 bag Fine sand (30/60 Sand)
			Theoretical bags of sand - 16 bags ← 20/30
1225			Sand 2.5 to 35'
1234	1317		Start Purge - end purge
			Pump Capacity = 181 Sec 5 gallon bucket - 1.657 gpm
			DD - 10.60'
			Recovery - 10.50'
1317			End purge
			Specific Capacity = 1.657 gpm/(10.60 - 10.50) = 16.5 gpm/Ft
1325			Leave Site

Ft bls
5-8 water level
TD of well 35' bls
Screen interval 5-35
Blank -

District Representative			

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG - CORE REPORT

REPORT #	SITE GEOLOGIST	DATE	DATE ON SITE	START DEPTH
1	TJ FALLON	24 February 2021	24 February'21	L.S.

CONTRACTOR	CREW	PROPOSED TD	PROGRESS	DEPTH
NET Drilling	NET- Bill, Tim, Ross	25	25-Push	18 5ft

WELL SITE	Lake Maude	WELL NAME	Wetlands SA Monitor

TIME LOG From	TIME LOG To	DEPTH	DETAILS OF OPERATIONS
08:43			- FALLON On-Site; Site Prep
08:50			- NET On-Site; Site + Rig Prep
09:15	L	L.S-6	- Hand Auger - Water at ~2.5ft bls
09:22	09:53	6-25	- Push Sample - Sand & clay
09:55	10:12	L.S-20	- Drive Temp Casing
			↳ Refusal @ 20ft → Will set 18ft well
10:20			- Well in Borehole → 15ft Pre-pack Screen & 3ft Slick pipe
			- Sand in Annulus
	10:26		Bags - 2 of 20/30
10:30			- Emplace Pad w/ Cement in Annulus.
10:50	11:50		- Develop Well; Pump only
11:00			- Drillers 055 site
12:05			- Fallon 055 site
			Specific Capacity: 12:03 minutes for 5 gallons = 723 seconds
			Pumping W.L. = 7.47' bTOC = 0.414937 gpm | 1.01 5ft
			Recovery W.L = 6.46'
			1.01 ft drawdown Spe.C = 0.4108 or | 0.41 gpm/5ft
			Rig - Geo Probe 7720 DT

District Representative	T.J. Fallon	24 Feb '21	

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG - CORE REPORT

REPORT #	SITE GEOLOGIST	DATE	DATE ON SITE	START DEPTH
1	TJ FALLON	24 Feb 2021	24 Feb 2021	L.S

CONTRACTOR	CREW	PROPOSED TD	PROGRESS	DEPTH
NET Drilling	Bill, Tim	35	35-Push	35ft

WELL SITE	Lake Ned	WELL NAME	Wetlands SA Monitor

TIME LOG From	TIME LOG To	DEPTH	DETAILS OF OPERATIONS
12:30			- FALLON, NET on-site; Prep Site; Cut Tree limbs
12:50	12:55	L.S - 5	- Hand Auger
12:57	13:45	5 - 35	- Sample Tube to 35ft bls Wet Sand @ 25ft bls
13:45			- Police Site
14:00			- Driller Off Site
15:45			- Fallon off-site
			Rig - GeoProbe 7720 DT

District Representative	T.J Fallon	24/Feb/2021	

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG - CORE REPORT

REPORT #	SITE GEOLOGIST	DATE	DATE ON SITE	START DEPTH
2	TJ FALLON	25 Feb '21	24 Feb '21	1.5

CONTRACTOR	CREW	PROPOSED TD	PROGRESS	DEPTH
NET Drilling	Bill, Tim	35	35 ft	35 ft

WELL SITE	Lake Ned	WELL NAME	Wetlands SA Monitor

TIME LOG From	TIME LOG To	DEPTH	DETAILS OF OPERATIONS
06:45			- FALLON On-Site; Clear Tree Debris
08:55			- NET On-site, Site + Rig Prep
09:28			- Mast up
09:45		1.5-35	- Auger down
	10:35		↳ Well - in 30ft Screen + 5ft Slick Pipe
			↳ Sand in Annulan Space → 17 bags
10:35			- Site Cleanup, Emplace pad
11:15	~~12~~ 11:55		- Develop Well → Pump + Surge
			Spec Cap Test
			• 1m 49s for 5 gallons Pump Rate
			• Pumping level 28.01 btoc
			• Recovery Level 19.91 btoc
12:45			- All parties depart Site
			5g / 109secs / 8.15ft → 2.75gpm / 8.15ft
			5g / ~~10.55~~ / 1.816
			Spec Cap = 0.3397 or 0.34 gpm/ft
			Rig: CME 75

District Representative		25 Feb 21	

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG - CORE REPORT

REPORT #	SITE GEOLOGIST	DATE	DATE ON SITE	START DEPTH
1	TJ FALLON	21 June 2024	21 June	4.5

CONTRACTOR	CREW	PROPOSED TD	PROGRESS	DEPTH
Mendez Drilling	Tony Hudson, Roy Rowland	30'	30	30

WELL SITE	Tiger Creek 1	WELL NAME	Wetlands SA Monitor

TIME LOG From	TIME LOG To	DEPTH	DETAILS OF OPERATIONS
0930			- FALLON on-site; Site Inspection
0940			- MENDEZ on-site; Rig Over hole; Prep to Operate
10:20			- Mast Up;
10:28	10:34	4.5-4	- Post Hole
10:42		4-6	- SPT (3,3,4,6) Blows; Drill/Auger Down
10:48		9-11	- SPT (3,6,7,11)
11:00		14-16	- SPT (4,5,5,7) - Wet Sand
11:10		19-21	- SPT (9,5,4,3) ; Flush for Heave
11:27		24-26	- SPT (9,7,5,4);
11:35	11:39	26-30	- Drill to 30' (Total Depth)
11:52	12:17	4.5-30	- Emplace 15ft 10-Slot PreAck Screen w/ 15' Slick Pipe
~~12:25~~			4 Trip-Out Augers
12:25			- Mast Down; Emplace Well Cover
12:40	13:10		- Develop Well
			- Rig off site

District Representative			

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG - CORE REPORT

REPORT #	SITE GEOLOGIST	DATE	DATE ON SITE	START DEPTH
1	TJ FALLON	22 June 2021	22 June 2021	1.5

CONTRACTOR	CREW	PROPOSED TD	PROGRESS	DEPTH
Mendez Drilling	Tony Hudson Roy Bowland	20	20	20

WELL SITE	Saddle Blanket Scrub 3	WELL NAME	Wetlands SA Monitor

TIME LOG From	TIME LOG To	DEPTH	DETAILS OF OPERATIONS
13:20			- On site; Rig over hole
			- Mast up; Orig on; Prep to drill
		1.5-3	- Post Hole dig
13:38	13:51	3-20	- Auger down
13:51	14:07		- Emplace Well 10 feet pre-pack screen & 10 feet solid
14:07	14:16		- Well cover, Mast down
14:16	14:50		- Develop well-Pump. Very Brown
			- Clean-up
	14:55		- Off Site

District Representative			

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG - CORE REPORT

REPORT #	SITE GEOLOGIST	DATE	DATE ON SITE	START DEPTH
1	TJ FALLON	23 June 2021	22 June	45

CONTRACTOR	CREW	PROPOSED TD	PROGRESS	DEPTH
Mendez Drilling	Tony Hudson / Ray Rowland	20	20	20

WELL SITE	Saddle Blanket Scrub 1	WELL NAME	Wetlands SA Monitor

TIME LOG From	TIME LOG To	DEPTH	DETAILS OF OPERATIONS
15:10			- On site. Rig over hole
			- Meet up. Prep to auger
15:20	15:44	45-20	- Auger Down
15:44	16:03		- Emplace well 10ft pre-pack screen & 10ft Blank
			↳ Trip out augers
			↳ Clean sand on 15-20 ft auger
16:04			Headspace: Well cap in place
16:07	16:40		- Develop well
17:05	—		- Clean up: 0.5 size

District Representative			

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG - CORE REPORT

REPORT #	SITE GEOLOGIST	DATE	DATE ON SITE	START DEPTH
1	TJ FALLON	23 June 2021	23 June	L.S.

CONTRACTOR	CREW	PROPOSED TD	PROGRESS	DEPTH
Mendez Drilling	~~Jay Mitchell, Tim Fallon~~ Tony Hudson, Roy Rowland	20		

WELL SITE	Lake Marie	WELL NAME	Wetlands SA Monitor

TIME LOG From	TIME LOG To	DEPTH	DETAILS OF OPERATIONS
0800			All parties on site, Prep for operations
0811			Mast up Rig on loc
0821	0940	LS-20	Auger to depth
0940	0843		Water in Drill String; Emplace 10ft Screen / 2-inch Pre Pack
			↳ 10ft 2-inch Slick Casing
0843	0852		Trip out Augers
0852	0906		Clean up site; Break down rig; Mast down
0906			Rig off
0911	0958		Develop Well
			↳ Pump & Surge
0959	1015		Site Clean-up
	1015		Fallon offsite
			CME-55 Drill Rig

District Representative			

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG - CORE REPORT

REPORT #	SITE GEOLOGIST	DATE	DATE ON SITE	START DEPTH
1	TJ FALLON	26 Jun. 2021	26 June	

CONTRACTOR	CREW	PROPOSED TD	PROGRESS	DEPTH
Mendez Drilling	Tony Hudson & Roy Rowland	20'		19

WELL SITE	Tiger Creek 12	WELL NAME	Wetlands SA Monitor

TIME LOG From	To	DEPTH	DETAILS OF OPERATIONS
15:15			- All Parties on site
	15:42		↳ Thunder delay - Sightseeing
15:42			- Prep for Jetting
15:45		1.5'-45'	- Hand Auger
15:52	16:00	45'-145'	- Jet Water
16:00	16:35		- Lightning
16:35		14'-10'	- Jet
			↳ Hole Collapsed
	16:42		↳ Finish Work due to lightning + Hole Collapse
			- All parties off site
27	June		
0830			- FALLON, Mendez, TNC Stress Site
			↳ Prep for Jetting + Mix Mud
0900	0914	10-~~20~~15	- Jet Well w/ Bentonite Mud
0914	923		- Trip Out Water/Tremie ; Trip-in Auger Cave-in
923	9:30	15-20	- Jet Well
9:30	9:45		- Emplace Well → 10' Screen w/ 10' Slick
9:45	10:~~00~~15		- Pull Temporary 3" Casing ; Fetch 5' Slick Casing
10:15	11:00		- Develop Well
			↳ Surge + Flush → Slow Recharge
11:00			- Clean-up
	12:05		- Oss - Site

District Representative			

 Attachment 5

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG

REPORT #	SITE GEOLOGIST	DATE	DATE ON SITE	START DEPTH
1	TJ FALLON	14 Dec '21	14 Dec 2021	L.S.

CONTRACTOR	CREW	PROPOSED TD	PROGRESS	DEPTH
Mendez Drilling	Tony Hudson + Roy Rowland	20 ft		

WELL SITE	Crooked Lake WEA 1	WELL NAME	CFWI SA Monitor

TIME LOG From	TIME LOG To	DEPTH	DETAILS OF OPERATIONS
08:35			FALLON on-site
08:56			Mendez on-site
09:20			Rig Over Hole; Mast-Up
			4 Fill Water Tank at FWC per Josh Birchfeld
11:50		L.S.-8	Auger Down
		8-10	SPT; Blows (16) (Weight-Hammer x 2, 6, 8)
11:04			Drill-Auger down
11:19		13-15	SPT Blows (32) (6, 6, 6, 14)
			Auger'n down
11:30		18-20	(12, 15, 18, 20)
11:40			Emplace Well; 15' Screen & 5' Stick
12:07			Mast Down
12:10			Site Cleanup
12:12	13:55		Develop Well + Sample
12:28	13:45		[illegible] - Sing
14:02			Close Site - All parties

District Representative			

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG

REPORT #	SITE GEOLOGIST	DATE	DATE ON SITE	START DEPTH
2	TJ FALLON	25 Jan 23		

CONTRACTOR	CREW	PROPOSED TD	PROGRESS	DEPTH
Mendez Drilling	—	20 ft		20.4

WELL SITE	Crooked Lake WEA 1	WELL NAME	CFWI SA Monitor

TIME LOG From	TIME LOG To	DEPTH	DETAILS OF OPERATIONS
10:53			- On-Site
			W.L. = 6.38 ft btoc
11:00	11:19		- Pump Well.
			Pumping Rate 17 l/s / 5g. = 2.183 m/3gal = 2.2900 gpm
			Drawdown = 6.38 ft - 11.11 = 4.73 ft
			Spec Cap = 0.48 gpm/ft
11:05			- GPS
11:28			- Off-Site

District Representative			

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG

REPORT #	SITE GEOLOGIST	DATE	DATE ON SITE	START DEPTH
1	TJ FALLON	14 Dec '21	14 Dec 2021	2.5

CONTRACTOR	CREW	PROPOSED TD	PROGRESS	DEPTH
Mendez Drilling	Tony Hudson + Roy Rowland	20 ft		

WELL SITE	Crooked Lake WEA 2	WELL NAME	CFWI SA Monitor

TIME LOG From	TIME LOG To	DEPTH	DETAILS OF OPERATIONS
14:10			- All parties on site
			Rig over hole; Mast up
14:20		2.5-4.2	- Post-Hole Dig
14:28		2-~~10~~ 8	- Auger
14:50		8-10	- SPT Blws (9) (11,3,4)
14:57		10-13	- Auger
		~~[illegible]~~	~~SPT~~
		~~15-[illegible]~~	~~Auger 6 8 10 14~~
		~~15-20~~	~~SPT~~
		15-17	6-8-10-4
15:10		20-21	10 19 28-46
15:20			- Emplace 15' screen + 5' solid
~~15~~			bAlice Size
15:40			Mast Down
15:50	16:30		- Develop well

District Representative			

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG

REPORT #	SITE GEOLOGIST	DATE	DATE ON SITE	START DEPTH
2	TJ FALLON	25 Jan 22		

CONTRACTOR	CREW	PROPOSED TD	PROGRESS	DEPTH
Mendez Drilling		20 ft		19.8

WELL SITE	Crooked Lake WEA 2	WELL NAME	CFWI SA Monitor

TIME LOG From	TIME LOG To	DEPTH	DETAILS OF OPERATIONS
10:03			- On Site
			W.L. = 6.34 ft btoc
10:23	10:39		- Pump well w/ 12-Volt Tornado Sub-Pump
			128 s = 2.13 minutes per 5gallons
			Pump Rate = 2.343 gpm
			Specific Capacity = 2.11 gpm/ft
10:40			- GPS-Well
10:45			- OSS-Site

District Representative			

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG

REPORT #	SITE GEOLOGIST	DATE	DATE ON SITE	START DEPTH
1	TJ Fallon	25 OCT. '22	25 OCT '22	4.5

CONTRACTOR	CREW	PROPOSED TD	PROGRESS	DEPTH
Mendez Inc.	Tony Hudson, Roy Rowland	25	25.2	25.2'

WELL SITE	Gator Creek Reserve #1	WELL NAME	SA Monitor

TIME LOG From	TIME LOG To	DEPTH	DETAILS OF OPERATIONS
09:20			- All parties on site; Prep to Drill
09:55		4.5	- Pact Hole
10:10		4-6	- SPT (4,4,4,6 - Blows) + Auger
10:19		9-11	- SPT (6,12,12,10 - Blows) + Auger
10:30		14-16	- SPT (7,10,5,3 Blows) + Auger
10:41		19-21	- SPT (3,3,4,5 Blows) + Auger
10:52		24-26	- SPT (1,3,5,7 Blows) + Auger
11:60			- Install 15ft pre-pack 2-inch Screen + 10 ft Stick-Pipe
11:12			- Rig off
11:24	12:06		- Develop Well
12:12			- Install Stick-up + Well Shelter
			W.L.: 5.74ft btoc w/ 2.8ft stick-up
12:20			- OSS Site
			Drill Rig: CME75

District Representative			

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG

REPORT #	SITE GEOLOGIST	DATE	DATE ON SITE	START DEPTH
1	TJ Fallon	25OCT '22	25OCT '22	2.5

CONTRACTOR	CREW	PROPOSED TD	PROGRESS	DEPTH
Mendez Inc.	Tony Hudson, Roy Rowland	25	25	25

WELL SITE	Gator Creek Reserve #2	WELL NAME	SA Monitor

TIME LOG From	TIME LOG To	DEPTH	DETAILS OF OPERATIONS
12:50			- On Site - Prep for Drilling
13:02		2.5 - 4	- Pre-hole dig
13:10		4-6	- SPT (3,5,6,7 - Blows) + Auger
13:19		9-11	- SPT (5,11,9,11 - Blows) + Auger
13:30		14-16	- SPT (3,2,2,4 - Blows) + Auger
13:40		19-21	- SPT (3,3,7,9 - Blows) + Auger
13:49		24-26	- SPT (9,21,19,37 - Blows)
13:55			- Install 15 ft 2-inch pre-pack screen + 10ft 2-inch slick pipe
14:38	15:34		- Develop Well
			- Install Shelter + Stick-up
			- W.L. 7.26 ft btoc w 3 ft Stick-up
16:02			- Off Site
			Drill Rig - CME 75

District Representative			

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG

REPORT #	SITE GEOLOGIST	DATE	DATE ON SITE	START DEPTH
1	TJ Fallon / Natalie Salazar	2 DEC 2022	2 DEC 2022	4.5

CONTRACTOR	CREW	PROPOSED TD	PROGRESS	DEPTH
Mendez Inc.	Tony Hudson, Roy Rowland	25	27 (SAT)	25ft

WELL SITE	Bonnet Lake Marsh	WELL NAME	SA Monitor

TIME LOG From	TIME LOG To	DEPTH	DETAILS OF OPERATIONS
08:35			- District & Mendez on site; Prep for Drilling
08:55			- Rig over hole; Mast up; Rig on
09:00		4.5-5	- Post Hole Dig - Water @ 25ft
09:05		4.5-5	- Auger down
09:10		5-7	- SPT (1,4,4,5) Blows
09:16		7-10	- Auger down
09:22		10-12	- SPT (7,11,18,22) Blows
09:27		12-15	- Auger down
09:33		15-17	- SPT (5,6,9,9) Blows
09:37		17-20	- Auger down
09:41		20-22	- SPT (13,16,13,20) Blows
09:47		22-25	- Auger down
09:53		25-27	- SPT (3,3,5,6) Blows
10:00			- Install 15-ft of 10-Slot pre packed PVC Screen & 10-ft of 2-inch diameter PVC Slick Casing
10:05			- Remove Augers
10:20	11:00		- Develop Well
11:20			- Emplace well cover; Clean up site; District requests that Mendez leaves excess country sand in case annulus settles
12:10			- All parties off site.
			W.L. 4.03 btoc w/ 3.3 ft stick-up
			Rig: CME 75

District Representative			

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG

REPORT #	SITE GEOLOGIST	DATE	DATE ON SITE	START DEPTH
1	TJ Fallon, N Salazar	12/19/2022	12/19/2022	L.S.

Drilling Method	CREW	PROPOSED TD	PROGRESS	DEPTH
hand Auger	Tim Lohner, Josh Kennedy	10 ft	10 ft	10 ft

WELL SITE	Crooked Lake Prairie	WELL NAME	SA Monitor

TIME LOG From	TIME LOG To	DEPTH	DETAILS OF OPERATIONS
			Fallon, Salazar, Hain, Kennedy, Lohner arrived on site
12:10		L.S.	Begin Augering
13:00		~~12:00~~ 10 ft	- Insert 5ft 2-inch pre-pack screen well w/ 5ft slick PVC pipe & 5ft Riser
			- 45'
			Note: 5ft of 4-inch PVC casing is at bottom of well surrounding 2-inch well

District Representative			

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG

REPORT #	SITE GEOLOGIST	DATE	DATE ON SITE	START DEPTH
1	TJ Fallon, N Salazar	19 January 2023	19 Jan 2023	L.S.

Drilling Method	CREW	PROPOSED TD	PROGRESS	DEPTH
Hand Auger	Tim Lohner, Josh Kennedy	10 ft	10 ft	10 ft

WELL SITE	Hickory Lake Scrub	WELL NAME	SA Monitor

TIME LOG From	TIME LOG To	DEPTH	DETAILS OF OPERATIONS
9:15			Fallon, Salazar, Bain, Kennedy, Lohner arrived on site
9:33		L.S	Begin Augering
9:39		5-6 ft	Water appears @ 5-6ft bls
9:45		L.S	Installed 4-in PVC for stabilization
10:30		L.S-10	Well is set; now backfilling annular space.
10:43			End of Operation
			Note: 5ft of 2-inch diameter prepacked screen well (PVC)
			5ft of 2-inch diameter PVC casing
			7.5ft of 2-inch diameter PVC casing - Backup

District Representative			

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
GEOHYDROLOGIC DATA SECTION
DAILY DRILLING LOG

REPORT #	SITE GEOLOGIST	DATE	DATE ON SITE	START DEPTH
1	TJ Fallon / Clinton Smith	16 June '23	16 Jun '23	L.S.

CONTRACTOR	CREW	PROPOSED TD	PROGRESS	DEPTH
Mendez Inc.	Tony Hudson, Roy Rowland, Chance	25	27	13

WELL SITE	Hilochee Osprey	WELL NAME	SA Monitor

TIME LOG From	TIME LOG To	DEPTH	DETAILS OF OPERATIONS
0845			- Mendez; District on site
0915			- Rig Over Hole; Mast up
		L.S-4	- Post-Hole Dig
0937		4-5	- Auger Wet Sand @ 5ft
		5-7	- SPT (10,15,15,16 - 56 blows) 4
0951	0954	5-10	- Auger
0958	0959	10-12	- SPT (6,5,4,4 - 19 blows)
1000		10-15	- Auger
1009		15-17	- SPT (2,5,3,4 - 14 blows)
1014	1016	15-20	- Auger
1018		20-22	- SPT (5,5,5,6 - 21 blows)
1025	1026	20-25	- Auger
1029	1030	25-27	- SPT (5,5,5,5 - 20 blows)
1045	11:20		- Install 10ft 10-slot Pre-Pack Screen + 3ft blank screen
11:20	~~11:40~~		- Rig-off
11:20	11:40		- Develop Well & Flush well w/ 15gallons due to low-Transmissivity
12:05			- Off site
			W.L 9.51' btoc

District Representative			

HYDROGEOLOGY FIELD LOG

Site Name: Pasture Reserve 1 **Page: 1 of 1**

Geologist: Tim Fallon

Date	Geology	Hydrology	Hydrostrat.	Depth (ft bls)	Lithology	Description	Notes
1/29/2019	undifferentiated sand and clay		surficial aquifer	1 - 4		Quartz sand, dark yellowish brown (10YR 4/2) to dusky yellowish brown (10YR 2/2), sub-rounded, fine to medium grained, organics, well sorted	
1/29/2019				4 - 9		As above	
1/29/2019				9 - 14		Clayey quartz sand, pale yellowish brown (10YR 6/2), otherwise as above with fewer organics	
1/29/2019				14 - 19		Quartz sand, very pale orange (10YR 8/2) to pale yellowish brown (10YR 6/2), sub-angular, moderately sorted, medium grained, limited organics	

[Hydrostrat., Hydrostratigraphy; ft, feet; bls, below land surface]

HYDROGEOLOGY FIELD LOG

Site Name: Pasture Reserve 3 **Page: 1 of 1**

Geologist: Tim Fallon

Date	Geology	Hydrology	Hydrostrat.	Depth (ft bls)	Lithology	Description	Notes
1/29/2019	undifferentiated sand and clay		surficial aquifer	0 - 5		Quartz sand, olive black (5Y 2/1) to olive gray (5Y 4/1), fine to coarse grained, subrounded, poorly sorted grains, roots and organics	
1/29/2019				5 - 8		As above	
1/29/2019			confining unit	8 - 10		Sandy clay, light gray, 60 percent clay, 40 percent sand, fine to coarse grained, sub-rounded grains	

[Hydrostrat., Hydrostratigraphy; ft, feet; bls, below land surface]

HYDROGEOLOGY FIELD LOG

Site Name: Pasture Reserve 2 **Page: 1 of 1**

Geologist: Tim Fallon

Date	Geology	Hydrology	Hydrostrat.	Depth (ft bls)	Lithology	Description	Notes
1/29/2019	undifferentiated sand and clay		surficial aquifer	0 - 3		Quartz sand, dusky yellowish brown (10YR 2/2) to dark yellowish orange (10YR 6/6), fine to medium grained, subrounded, moderately sorted, organics	
1/29/2019				3 - 6		Clayey sand, 55 percent sand, pale yellow brown (10YR 6/2) to dark yellowish orange (10YR 6/6), fine to medium grained, subrounded, moderately sorted, roots	
1/29/2019				6 - 10		Clayey sand, moderate reddish brown (10YR 4/6) to pale yellowish brown (10YR 6/2), 65 percent sand, iron staining, fine to medium grained, subrounded, moderately sorted	

[Hydrostrat., Hydrostratigraphy; ft, feet; bls, below land surface]

HYDROGEOLOGY FIELD LOG

Site Name: Crooked Lake West 2 **Page: 1 of 1**

Geologist: Tim Fallon

Date	Geology	Hydrology	Hydrostrat.	Depth (ft bls)	Lithology	Description	Notes
9/25/2019	undifferentiated sandand clay	high	surficial aquifer	0 - 3		Quartz sand, pale yellowish brown (10 YR 6/2), fine to medium grained, well sorted, subrounded grains	Water at 2 feet bls
9/25/2019				3 - 5		Quartz sand, olive black (5Y 2/1), fine to coarse grained, moderately sorted, subrounded grains	
9/25/2019		low to mod. perm		5 - 8		No sample	
9/25/2019				8 - 10		Silty sand, grayish brown (5YR 3/2), silt to medium grained, poor to moderately sorted, sub-rounded grains. Clayey sand at 9.5 feet	
9/25/2019				10 - 13		No sample	
9/25/2019		very low perm.		13 - 15		Sandy clay, olive gray (5Y 4/1)	Clay rolls easily
9/25/2019				15 - 16		No sample	Clay with very little sand on auger

[Hydrostrat., Hydrostratigraphy; ft, feet; bls, below land surface; mod., moderate; perm., permeability]

HYDROGEOLOGY FIELD LOG

Site Name: Arbuckle 2 **Page: 1 of 1**

Geologist: Tim Fallon

Date	Geology	Hydrology	Hydrostrat.	Depth (ft bls)	Lithology	Description	Notes
1/6/2020	undifferentiated sand and clay		surficial aquifer	0 - 3		No sample	
1/6/2020				3 - 5		Quartz sand, grayish brown (5YR 3/2) to dark yellowish brown (10YR 4/2), fine to coarse grained, sub-rounded, moderate to well sorted grains	
1/6/2020				5 - 8		No sample	
1/6/2020				8 - 10		Quartz sand, grayish black (N2), medium-grained, sub-rounded, well-sorted grains, organics	
1/6/2020				10 - 13		No sample	
1/6/2020				13 - 15		Quartz sand, dark yellowish brown (10YR 4/2) to dusky brown (5YR 2/2), fine to medium grained, sub-angular, moderate to well sorted grains	
1/6/2020				15 - 18		No sample	
1/6/2020				18 - 20		As above	
1/6/2020				20 - 23		No sample	
1/6/2020				23 - 25		As above	
1/6/2020				25 - 28		No sample	
1/6/2020				28 - 30		As above	
1/6/2020				30 - 33		No sample	
1/6/2020				33 - 35		As above	

[Hydrostrat., Hydrostratigraphy; ft, feet; bls, below land surface]

HYDROGEOLOGY FIELD LOG

Site Name: Arbuckle 1 **Page: 1 of 1**

Geologist: Tim Fallon

Date	Geology	Hydrology	Hydrostrat.	Depth (ft bls)	Lithology	Description	Notes
1/6/2020	undifferentiated sand and clay		surficial aquifer	0 - 3		No sample	
1/6/2020				3 - 5		Quartz sand, grayish brown (5YR 3/2) to dusky yellowish brown (10YR 2/2), fine to medium grained, sub-angular, moderate to well sorted grains	
1/6/2020				5 - 8		No sample	
1/6/2020				8 - 10		As above	
1/6/2020				10 - 13		No sample	
1/6/2020				13 - 15		As above	
1/6/2020				15 - 18		No sample	
1/6/2020				18 - 20		As above	
1/6/2020				20 - 23		No sample	
1/6/2020				23 - 25		As above	
1/6/2020				25 - 28		No sample	
1/6/2020				28 - 30		As above	

[Hydrostrat., Hydrostratigraphy; ft, feet; bls, below land surface]

HYDROGEOLOGY FIELD LOG

Site Name: Walk-In-Water 2 **Page: 1 of 1**

Geologist: Tim Fallon

Date	Geology	Hydrology	Hydrostrat.	Depth (ft bls)	Lithology	Description	Notes
1/7/2020	undifferentiatred sand and		surficial aquifer	0 - 3		No sample	
1/7/2020				3 - 5		Quartz sand, dark yellowish brown (10YR 4/2), very fine to medium grained, subangular, moderately sorted grains	
1/7/2020				5 - 8		No sample	
1/7/2020				8 - 10		Quartz sand, grayish brown (5Y 8/4), fine to medium grained, subangular, well-sorted grains, 2 percent phosphatic sands, organics	
1/7/2020				10 - 13		No sample	
1/7/2020				13 - 15		As above	
1/7/2020				15 - 18		No sample	
1/7/2020				18 - 20		As above	
1/7/2020				20 - 23		No sample	
1/7/2020				23 - 25		As above	
1/7/2020				25 - 28		No sample	
1/7/2020				28 - 30		As above	
1/7/2020				30 - 33		No sample	
1/7/2020				33 - 35		As above	

[Hydrostrat., Hydrostratigraphy; ft, feet; bls, below land surface]

HYDROGEOLOGY FIELD LOG

Site Name: Walk-In-Water 1 **Page: 1 of 1**

Geologist: Tim Fallon, Kristina Mallams

Date	Geology	Hydrology	Hydrostrat.	Depth (ft bls)	Lithology	Description	Notes
1/8/2020	undifferentiated sand and clay		surficial aquifer	0 - 3		No sample	
1/8/2020				3 - 5		Sand, pale yellowish orange (10YR 8/6) to dark yellowish orange (10YR 6/6), fine-grained, subrounded, moderately sorted, 1 to 2 percent phosphate	
1/8/2020				5 - 8		No sample	Water level is 5 to 8 ft bls
1/8/2020				8 - 10		Sand, dark yellowish orange (10YR 6/6), medium-grained, subrounded, moderately sorted, 1 percent phosphate	
1/8/2020				10 - 13		No sample	
1/8/2020				13 - 15		As above	
1/8/2020				15 - 18		No sample	
1/8/2020				18 - 20		As above	
1/8/2020				20 - 23		No sample	
1/8/2020				23 - 25		Sand, dusky yellowish brown (10 YR 2/2), medium-grained, subrounded, moderately sorted, 1 percent phosphate	
1/8/2020				25 - 28		No sample	
1/8/2020				28 - 30		Sand, moderate yellowish brown (10YR 5/4) to dark yellowish brown (10YR 4/2), medium-grained, subrounded, moderately sorted, 4 percent phosphate	
1/8/2020				30 - 33		No sample	
1/8/2020				33 - 35		Sand, grayish orange (10YR 7/4) to dark yellowish orange (10YR 6/6), medium to course grained, subrounded, moderately sorted, 1 percent phosphate	

[Hydrostrat., Hydrostratigraphy; ft, feet; bls, below land surface]

HYDROGEOLOGY FIELD LOG

Site Name: Mountain Lake Cutoff 2 Surficial Aquifer Monitor **Page: 1 of 1**

Geologist: Kristina Mallams

Date	Geology	Hydrology	Hydrostrat.	Depth (ft bls)	Lithology	Description	Notes
3/4/2020	undifferentiatred sand and clay		surficial aquifer	0 - 3		No sample	
3/4/2020				3 - 5		Sand, moderate yellowish brown (10YR 5/4) to yellowish gray (5Y 7/2), medium to fine grained, subrounded, less than 1 percent organics, intergranular	
3/4/2020				5 - 8		No sample	Water level is 5 ft bls
3/4/2020				8 - 10		Sand, moderate yellowish brown (10YR 5/4), intergranular, medium to fine grained, subrounded, 1 to 2 percent organics	
3/4/2020				10 - 13		No sample	
3/4/2020				13 - 15		Sand, dusky yellowish brown (10YR 2/2), fine to course grained, rounded to subrounded, 1 percent phosphate with unconsolidated, pale yellowish brown sand, clay, and loam	
3/4/2020				15 - 18		No sample	
3/4/2020				18 - 20		Sandy clay, pale yellowish brown (10YR 6/2), medium to course grained, subrounded to subangular, less than 1 percent phosphate	

[Hydrostrat., Hydrostratigraphy; ft, feet; bls, below land surface]

HYDROGEOLOGY FIELD LOG

Site Name: Lake Maude Surficial Aquifer Monitor **Page: 1 of 1**

Geologist: TJ Fallon

Date	Geology	Hydrology	Hydrostrat.	Depth (ft bls)	Lithology	Description	Notes
2/24/2021	undifferentiated sand and clay	high permeability	surficial aquifer	0 - 2		Quartz sand, dark gray (N3), very fine to medium grained, pooly sorted, sub-angular grains, approximately 20 percent organics	water level at approximately 25 feet bls
				2 - 5		Quartz sand, olive black (5Y 2/1), fine to medium grao=ined, poor to moderate sorting, sub-angular, approximately 20 percent organics	
				5 - 7		Quartz sand, brownish gray (5YR 4/1), fine to medium grained, moderately sorted, sub-rounded grains, less than 2 percent organics	
		Low perm.		7 - 11		Clayey sand, pale yellowish brown (10YR 6/2), fine to coarse grained, poorly sorted, sub-rounded grains, approximately 35 percent clay	
		high permeability		11 - 15		Quartz sand, brownish black (5YR 2/1), fine to very coarse grained, poorly sorted, sub-rounded grains, approximately 5 percent organics	slight sulfurous smell/odor
				15 - 20			
				20 - 25			

[Hydrostrat., Hydrostratigraphy; ft, feet; bls, below land surface; perm., permeability]

HYDROGEOLOGY FIELD LOG

Site Name: Lake Ned Surficial Aquifer Monitor **Page: 1 of 1**

Geologist: TJ Fallon

Date	Geology	Hydrology	Hydrostrat.	Depth (ft bls)	Lithology	Description	Notes
2/24/2021	UDSC	High perm	surficial aquifer	0 - 5		Quartz sand, light olive gray (5Y 5/2), to yellowish gray (5Y 7/2), very fine to medium grained, sub-angular, poorly to moderately sorted, less than 5 percent organics	
	undiff. Cypresshead Formation	Low to mod.		5 - 10		Clayey quartz sand, very pale orange (10YR 8/2) to dark reddish brown (5YR 3/2), very fine to medium grained, sub-rounded, poorly to moderately sorted grains, approximately 20 percent clay, trash phosphatic sand	Significant mottling of colors/iron staining (6 to 15 feet)
				10 - 15			
				15 - 20			
				20 - 25		Quartz sand, very pale orange (10YR 8/2) to dark yellowish orange (10YR 6/6), fine to medium grained, sub-rounded, moderately sorted grains, 10 percent clay	
		mod. to high perm.		25 - 30		Quartz sand, yellowish gray (5Y 8/1), silt to fine grained, sub-angular, moderately to well sorted grains, trace phosphatic sands	Wet at 25 feet bls
				30 - 35			

[Hydrostrat., Hydrostratigraphy; ft, feet; bls, below land surface; perm., permeability; UDSC, undifferentiated sand and clay; undiff., undifferentiated; mod., moderate]

HYDROGEOLOGY FIELD LOG

Site Name: Gator Creek Reserve 1 Surf Aq Monitor **Page: 1 of 1**

Geologist: T.J. Fallon

Date	Geology	Hydrology	Hydrostrat.	Depth (ft bls)	Lithology	Description	Notes
10/25/2022	undifferentiated sand and clay	high permeability	surficial aquifer	0 - 3.5		quartz sand, dark gray (N3); moderately sorted, sub-angular grains; limited organics	roots
10/25/2022				3.5 - 5		as above with brownish black (5YR 2/1) silt; organics	
10/25/2022				5 - 6		quartz sand, grayish brown (5YR 3/2); very fine to medium grained, moderately sorted, sub-angular grains	
10/25/2022				6 - 9		not sampled	
10/25/2022				9 - 11		quartz sand, pinkish gray (5YR 8/1); poor to moderately sorted grains	wet sand at 9 feet; silty clay thin lamina at 11 feet
10/25/2022				11 - 14		not sampled	
10/25/2022				14 - 16		quartz sand, light olive gray (5Y 5/2); very fine to medium grained, moderately sorted, sub-rounded grains; more than 1 percent phosphatic sands	
10/25/2022				16 - 19		not sampled	
10/25/2022				19 - 21		quartz sand, yellowish gray (5Y 8/1); very fine to medium grained, moderately sorted, sub-rounded grains, approximately 1 percent phosphatic sands	
10/25/2022				21 - 24		not sampled	
10/25/2022				24 - 26		quartz sand, light olive gray (5Y 5/2); very fine to medium graines, moderately sorted, sub-rounded grains; approximately 1 percent phosphatic sands	

[Hydrostrat., Hydrostratigraphy; ft, feet; bls, below land surface]

HYDROGEOLOGY FIELD LOG

Site Name: Gator Creek Reserve 2 Surf Aq Monitor **Page: 1 of 1**

Geologist: T.J. Fallon

Date	Geology	Hydrology	Hydrostrat.	Depth (ft bls)	Lithology	Description	Notes
10/25/2022	undifferentiated sand and	moderate to high permeability	surficial aquifer	0 - 4		Quartz sand, olive black (5Y 2/1); silt to medium grained, moderately sorted, sub-angular grains; organics	
10/25/2022				4 - 6		Sandy clay, dark greenish gray (5GY 4/1)	23 blows
10/25/2022				6 - 9		not sampled	
10/25/2022				9 - 11		Clayey sand, dark greenish gray (5GY 4/1); silt to medium grained, poor to moderately sorted, sub-rounded grains; approximately 2 percent phosphatic grains	36 blows
10/25/2022				11 - 14		Not sampled	
10/25/2022				14 - 16		Clayey sand, light olive gray (5Y 6/1); silt to coarse grained, poor sorted sub-rounded grains; approximately 2 percent phosphatic sand	11 blows
10/25/2022				16 - 19		Not sampled	
10/25/2022				19 - 21		As above	22 blows
10/25/2022				21 - 24		Not sampled	
10/25/2022				24 - 26		Clayey sand, olive black (5Y 2/1); very fine to coarse grained, poor to moderately sorted, sub-angular grains; approximately 1 percent phosphatic grains	84 blows

[Hydrostrat., Hydrostratigraphy; ft, feet; bls, below land surface]

HYDROGEOLOGY FIELD LOG

Site Name: Bonnet Lake Marsh Surf Aq Monitor **Page: 1 of 1**

Geologist: T.J. Fallon

Date	Geology	Hydrology	Hydrostrat.	Depth (ft bls)	Lithology	Description	Notes
12/2/2022	undifferentiated sand and clay	surficial aquifer	high permeability	0 - 1.5		Quartz sand, dark gray (N3); silt to coarse grained, poorly sorted, sub-rounded grains; approximately 10 percent organics	Water at 2 feet
12/2/2022				2 - 3		not sampled	
12/2/2022				3 - 7		Quartz sand, medium gray (N5); very fine to coarse grained; poorly sorted, sub-rounded grains; less than 1 percent phosphatic grains	
12/2/2022				7 - 10		not sampled	
12/2/2022				10 - 12		Quartz sand, brownish black (5YR 2/1); silt to very coarse grained; poorly sorted, sub-rounded grains; less than 1 percent phosphatic grains; limited clay	
12/2/2022				12 - 15		not sampled	
12/2/2022				15 - 17		Quartz sand, moderate yellowish brown (10YR 5/4); silt to coarse grained; poorly sorted, sub-rounded grains; less than 5 percent phosphatic grains; limited clay	
12/2/2022				17 - 20		not sampled	
12/2/2022				20 - 22		Quartz sand, dusk brown (5YR 2/2); silt to coarse grained; poorly sorted, sub-rounded grains; approximately 1 percent phosphatic sands	
12/2/2022				22 - 25		not sampled	
12/2/2022				25 - 27		Clayey quartz sand, grayish orange (10YR 7/4); silt to medium grained; poorly to moderate sorted, sub-rounded grains	

[Hydrostrat., Hydrostratigraphy; ft, feet; bls, below land surface]

HYDROGEOLOGY FIELD LOG

Site Name: Crooked Lake Prairie Suf Aq Monitor Well **Page: 1 of 1**

Geologist: T.J. Fallon; N. Salazar

Date	Geology	Hydrology	Hydrostrat.	Depth (ft bls)	Lithology	Description	Notes
12/19/2022	undifferentiated sand and clay	high permeability	surficial	0 - 1		Quartz sand, brownish black (5YR 2/1); very fine to coarse grained, poorly sorted, sub-rounded grains; 10 percent organics	
12/19/2022				1 - 2		Not sampled	
12/19/2022				2 - 3		Not sampled	
12/19/2022				3 - 4		Quartz sand; dusky brown (5YR 2/2); silt to coarse grained, poorly sorted, sub-rounded grains; organics; approximately 5 percent phosphatic grains	wet sand at 3.5 feet
12/19/2022				4 - 5		Quartz sand; dark yellowish brown (10YR 4/2); fine to coarse grained, poorly sorted, sub-rounded grains; organics; less than 1 percent phosphatic grains	

[Hydrostrat., Hydrostratigraphy; ft, feet; bls, below land surface]

HYDROGEOLOGY FIELD LOG

Site Name: Hickory Lake Scrub Suf Aq Monitor **Page: 1 of 1**

Geologist: T.J. Fallon; N. Salazar

Date	Geology	Hydrology	Hydrostrat.	Depth (ft bls)	Lithology	Description	Notes
01/19/2023				0 - 1		quartz sand, medium gray (N5); fine to coarse grained; sub-rounded grains; poorly sorted; 5 percent organics; no phosphatic sands	
				1 - 2		quartz sand; bluish white (5B 9/1); fine to coarse grained sand; sub-angular grains; poorly sorted; 5 percent organics; less than 1 percent phostphatic sands	
				2 - 3		not sampled	
				3 - 4		not sampled	
				4 - 5		not sampled	
				5 - 6		not sampled	water at 5 to 6 feet
				6 - 7		not sampled	
				7 - 8		quartz sand;dark yellowish brown (10YR 4/2); very fine to coarse grand sand; sub-rounded; poorly sorted; 5 percent organics; 1 percent phosphatic sands	

[Hydrostrat., Hydrostratigraphy; ft, feet; bls, below land surface]

HYDROGEOLOGY FIELD LOG

Site Name: Hilochee Osprey Surf Aq Monitor **Page: 1 of 1**

Geologist: T.J. Fallon

Date	Geology	Hydrology	Hydrostrat.	Depth (ft bls)	Lithology	Description	Notes
6/16/2023	undifferentiated sand and clay	high perm.	surficial aquifer	0 - 2		quartz sand, dark yellowish brown (10YR 4/2); very fine to coarse grained, poorly sorted, sub-rounded grains; organics	
6/16/2023				2 - 5		not sampled	
		moderate permability		5 - 7		sandy clay, light olive gray (5Y 6/1); very coarse sand; less than 1 percent phosphatic sand	wet sand at 5 feet
				7 - 10		not sampled	
				10 - 12		sandy clay, yellowish gray (5Y 8/1); fine to medium sand; less than 1 percent phosphatic sand	
				12 - 15		not sampled	
				15 - 17		clayey sand, yellowish gray (5Y 8/1); very fine to coarse grained, poorly sorted, sub-rounded grains; less than 1 percent phosphatic sand	
				17 - 20		not sampled	
				20 - 22		as above	
		high perm.		22 - 25		not sampled	
				25 - 27		quartz sand, yellowish gray (5Y 8/1); fine to medium grained; moderately sorted, sub-rounded grains; less than 1 percent phosphatic sands	

[Hydrostrat., Hydrostratigraphy; ft, feet; bls, below land surface; perm., permeability]