INNOVATIVE & RESPONSIBLE DESIGN

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SUSSEX COUNTY, DELAWARE
ANGOLA BEACH & ESTATES
COMPLIANCE REPORT

Seal

MICHAELENA M. HAYES
LICENSE
No. 17597
DELAWARE
PROFESSIONAL ENGINEER
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Prepared for:
Hometown Angola Beach, LLC.
July 2025

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INTRODUCTION

Angola Beach & Estates, owned by Hometown Angola Beach, LLC. intends to construct 90 residential units. The expansion is planned to be positioned near the intersection of Angola Road (Route 277) and Angola Beach Road (Route 278), located in Sussex County (the Site). The proposed community is situated within tax parcels 234-12.00-7.01 and 234-12.00-7.02. 16 out of the 90 proposed lots are proposed to be connected to an existing private Wastewater Treatment and Disposal Facility located within the Angola Beach and Estates community. The remaining 74 are proposed to connect to Sussex County Sewer. The 16 lots on the separate tax parcel, shown below, cannot physically connect to the county sewer without extensive infrastructure. The area to the west is a low lying area topographically and the sewer connection to the county would require sewers approximately 20 feet deep, even with adding a pump station to lower the infrastructure some portion of gravity collection would still need to be that deep with forcemain going through DelDOTs right of way. Further, gravity sanitary mains are in place on this parcel connecting to a manhole on Prince George Drive, already readily accommodating these lots to connect to the onsite WWTF. In addition to the 16 lots, 3 lots from the Angola Beach Estates Community are also proposed to connect. These 3 lots are already approved for land use and have sewer infrastructure leading to the onsite facility, but were over the 625 limit, requiring the compliance report in the permit. The facility is owned and operated by Hometown Angola Beach, L.L.C. (The same owner as the developing parcel). The facility is located within tax parcel 234-18.00-1.00 and runs under Spray Irrigation Operational Permit number 359000-05. Section I.1 of the permit specifies if the permittee wishes to connect additional units, up to a total of 700 units permitted, 625 units before a compliance report shall be submitted.

Figure 1 - Location Map (USGS)

FLOW ANALYSIS

A five-year analysis of the influent flow amounts for the wastewater treatment facility has been completed, demonstrating compliance with the permitted requirements. The analysis has shown that the maximum flow per unit in the past five years has been approximately 102.28 gpd in July 2020, calculated as the average daily influent flow divided the number of units connected for the month. The current average daily quantity of influent has not exceeded nor come close to the design flow value of 130 gpd/edu in the past five years. The analysis has shown that the maximum daily influent flow in the past five years has been 59,836 gpd in July 2020. The average annual has been at or below 48,000 GPD, far below the permitted limit of 81250 Gallons per day. The influent has remained well within the permitted limit of 81,250 gallons per day in the past five years. The average yearly flow values are shown in the below table. The tabulated data for each month, including flows, number of units occupied, and gallons per day per unit, is available in Appendix I.

	Avg. Daily Inf. Flow (GPD)	Flow/Unit (GPD)
2024	45,796	74.46
2023	45,046	74.33
2022	44,908	76.77
2021	44,100	75.77
2020	48,006	82.06

Table 1 – Flow Averages

The 19 (16 from the North, 3 from the South) lots being added to the wastewater collection system are not expected to increase the average daily influent flow or the flow per unit above permitted limits. The additional 19 lots are expected to increase the influent flow to 2,470 GPD, assuming the design flow of 130 gpd/unit. Even with the proposed 2,470 GPD increase (19 EDUs × 130 GPD), the system remains well below the permitted capacity.

EFFLUENT QUALITY ANALYSIS

A five-year analysis of the effluent flow amounts for the wastewater treatment facility has been completed comparing the lab readings for BOD, TSS, Total Nitrogen, and Fecal Coliform. The daily average concentration permit limits for BOD and TSS are 50 mg/l and 90 mg/l respectively. Based on available data, there have been no effluent lab readings for BOD or TSS over the permitted limit in the past 5 years. Yearly average BOD values are between 25% and 50% of permitted values and do not show signs of upward trending. Yearly average TSS values are between 15% and 30% of permitted values and do not show signs of upward trending. Of more particular note is that the BOD and TSS values are in line with restricted access facilities and shows great operational regimes at the facility.

Lab readings for fecal coliform were analyzed for the past five years and showed five individual lab readings indicated a higher level than the daily permissible average concentration of 200 colonies/100 mL, however only once since September 2021. Based on the permit, the daily average concentration shall be determined by the summation of all the measured daily concentrations obtained from composite samples during each calendar month divided by the number of days during the calendar months when the measurements were made.

The permit states "If the effluent Total Nitrogen concentration exceeds any of the above listed concentrations by 25% (Design Value + 25%) for any corresponding calendar month, the permittee shall resample the wastewater and submit the additional analyses to the Groundwater Discharges Section. If the effluent Total Nitrogen concentration exceeds any of the above listed concentrations by 25% for over a three-month period, the permittee shall have the system evaluated to determine the cause and submit a revised Design Engineer Report to the Groundwater Discharges Section. If the effluent exceeds any of the above listed concentrations by 50% (Design Value + 50%), the Department may invoke the provisions of Park V.A.1 of the permit." The wastewater treatment facility has had 12 individual lab readings over the 25% nitrogen design value for the given month. Two of the lab readings were in back-to-back months (March 2023 & April 2023). No lab readings for nitrogen exceeded the limits over a three-month period. Of these twelve higher values, there were two lab readings over 50% of the design value. This occurred in April and May of 2022 and nitrogen was tested to be in compliance since. The noted effluent Total Nitrogen concentrations observed at the Angola Beach & Estates Wastewater Treatment Facility, are isolated and not sustained over consecutive months. With second samplings for any of the higher values the second sample came in within the design parameters. More importantly, groundwater monitoring data provides compelling evidence that the system is effectively managing nitrogen. Monitoring wells located

within and around the spray field consistently show nitrate concentrations well below the EPA's Maximum Contaminant Level of 10 mg/L for drinking water. For example, MW-4 and MW-5, which are situated within the spray field, have average nitrate levels of 7.05 mg/L and 5.03 mg/L respectively, while all other wells typically report values below 4 mg/L. This demonstrates that nitrogen from the effluent is being adequately attenuated through soil and vegetative uptake before reaching the groundwater. The absence of elevated nitrate levels in the aquifer confirms that the treatment and disposal system is functioning as intended, protecting both environmental and public health. These higher values were not sustained and did not occur over three consecutive months, which is the regulatory threshold for corrective action. In all cases where follow-up sampling was conducted, results returned within acceptable limits. This demonstrates that the system is capable of self-correcting and maintaining compliance without operational or design modifications.

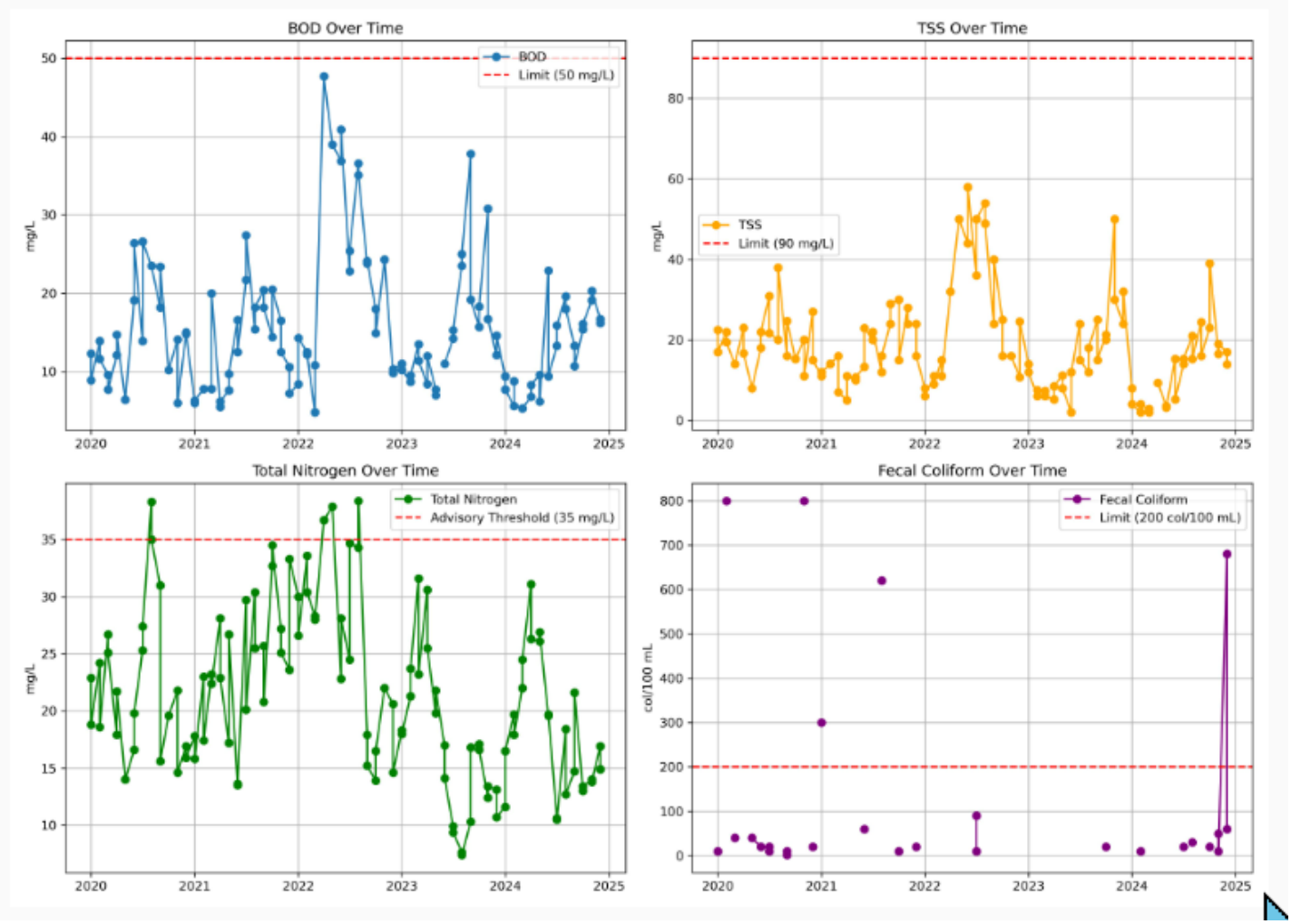

Figure 2 - Visual Summary of effluent quality data from 2020 to 2024

GROUNDWATER QUALITY ANALYSIS

Evaluate groundwater Nitrate concentration data with respect to drinking water standards established by the U.S. EPA. The effectiveness of nitrogen management is further supported by groundwater monitoring data. Nitrate concentrations in all monitoring wells remain well below the EPA's Maximum Contaminant Level (MCL) of 10 mg/L. MW-4 and MW-5, located within the spray field, show average concentrations of 7.05 mg/L and 5.03 mg/L respectively, while all other wells typically report values below 4 mg/L. This indicates that nitrogen is being effectively attenuated through soil and vegetative uptake, and that the system is not contributing to groundwater contamination.

- All values are well below 10mg/L. 2020 showed the highest values for MW5- center of field and it has since been on a downward trend.
- **EPA MCL for Nitrate**: 10 mg/L.
- **2020–2024 Averages**:

- MW-4: 7.05 mg/L (highest, within spray field).
- MW-5: 5.03 mg/L (also within spray field).
- All other wells: < 4 mg/L, most < 2 mg/L.

Conclusion: All nitrate levels are below the EPA MCL. Higher values are localized within the spray field, as expected, and do not indicate systemic groundwater contamination.

MOUNDING ASSESSMENT

Graph and assess Depth to Water data to determine if groundwater reached within 2 ft of the ground surface.
The majority of the wells have a depth to groundwater of >10 feet, with the exception of two piezometers. Particularly P5. P5 is within 10 feet of MW6. The elevated readings in Piezometer P-5 are believed to result from its screen placement, which may be capturing perched water or localized saturation. Importantly, adjacent monitoring wells such as MW-6 confirm that groundwater remains well below the 2-foot threshold, supporting the conclusion that mounding is not occurring. Depth to groundwater consistently exceeds 2 feet across all active monitoring wells and piezometers (e.g., P-3, P-5, P-6). No evidence of groundwater mounding reaching critical levels.
The system maintains adequate separation between the spray field and groundwater, satisfying mounding criteria.

SUMMARY AND ASSESSMENT OF OPERATION & MAINTENANCE CONCERNS

Routine operational maintenance includes aerator deragging, automated valve repairs, and chlorine attenuation adjustments. These activities are typical for the facility and have been effectively managed without impacting compliance. The facility has demonstrated consistent performance and reliability through proactive maintenance practices.

SUMMARY AND ASSESSMENT OF ALL COMPLIANCE ITEMS

Summary and Assessment of all compliance items relative to the permit (e.g., enforcement actions, Notice of Violations, warning letters, self-reported permit violations and effluent limitation exceedances).

- May 2022: A Violation of Sampling Frequency was reported because the operators could not sample due to harvest timelines.
- April 2022: Total Nitrogen concentration was reported above the design parameter but does not constitute an exceedance. This is due to spraying at a lesser volume due to the lower influent flows for April, as well as seasonal turnover in the ponds, and mechanical issues with both the aerator and mixer.
- November 2020: Fecal average of 405 Col/100ml exceeded daily permissible average. We are unsure as to the cause of this high sample, however the issue was monitored and cleared up prior to the following sampling.
- May 2020: The spray field was shut down for an approved valve repair and were not able to sustain any length of spray time due to low level shutdowns.
- May 2019: There was no spraying at the facility from May 25-June 3, and no sample collected on May 29 due to the scheduled Annual Inspection.

OVERALL CONCLUSIONS OF COMPLIANCE AND ENGINEERING OPINION

Based on the comprehensive review of influent flow, effluent quality, groundwater monitoring, and system operations, the Angola Beach & Estates Wastewater Treatment Facility is operating well within its permitted capacity. The facility has consistently demonstrated compliance with all regulatory parameters, including flow limits, effluent quality standards, and groundwater protection requirements. The addition of 19 EDUs, representing an estimated 2,470 GPD, remains within the design capacity of 81,250 GPD and does not pose a risk to system performance. The engineering assessment confirms that the facility is structurally and operationally capable of assimilating the proposed additional flow without adverse impact. It is the professional opinion of the engineer that the system is adequately designed, maintained, and managed to support the requested units.

- The enclosed flow data demonstrates that the facility's average and peak influent flows remain well below the permitted 81,250 GPD.
- Groundwater monitoring results confirm that nitrate concentrations are consistently below the EPA's MCL of 10 mg/L, with elevated readings localized to wells within the spray field., well below 10 mg/L.
- Depth-to-water measurements from monitoring wells and piezometers confirm that groundwater remains more than two feet below the surface, satisfying mounding requirements.
- Moreover, Effluent quality data from 2020 through 2024 demonstrates consistent compliance with permit limits for Total Suspended Solids, Biochemical Oxygen Demand, and Fecal Coliform. Total Nitrogen concentrations remain within acceptable ranges, with no sustained exceedance above the 25% threshold for three consecutive

months. These results confirm the facility's continued ability to meet effluent quality standards under the current and proposed loading conditions.

In conclusion, the Angola Beach & Estates WWTF demonstrates robust operational performance, regulatory compliance, and environmental protection. The proposed connection of 19 additional EDUs is well within the system's design and operational capacity, and no modifications to the facility are warranted at this time.

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APPENDIX I

REGIONAL OFFICES:
SCHAGHTICOKE, NY
LANCASTER, PA
MATAMORAS, PA
HAMPTON, VA

MILL BROOK ENGINEERING, LLC

Angola Beach & Estates
Flows - 2024

By: EEA
Checked By: EMB
Date: 6/30/2025

Date	# Of Units	Total Monthly Influent Flow (GPD)	Average Daily Influent Flow (GPD)	Flow/Unit (GPD)
January 2020	585	1,284,283	42,809	73.18
February 2020	585	1,186,901	39,563	67.63
March 2020	585	1,293,934	43,131	73.73
April 2020	585	1,418,533	47,284	80.83
May 2020	585	1,503,249	50,108	85.65
June 2020	585	1,519,800	50,660	86.60
July 2020	585	1,795,066	59,836	102.28
August 2020	585	1,622,684	54,089	92.46
September 2020	585	1,465,049	48,835	83.48
October 2020	585	1,452,217	48,407	82.75
November 2020	585	1,335,278	44,509	76.08
December 2020	585	1,452,144	46,843	80.07
January 2021	582	1,293,649	41,731	71.70
February 2021	582	1,244,850	44,459	76.39
March 2021	582	1,275,049	41,131	70.67
April 2021	582	1,238,587	41,286	70.94
May 2021	582	1,397,772	45,089	77.47
June 2021	582	1,289,998	43,000	73.88
July 2021	582	1,584,165	51,102	87.80
August 2021	582	1,616,136	52,133	89.58
September 2021	582	1,298,399	43,280	74.36
October 2021	582	1,333,699	44,547	76.54
November 2021	582	1,206,699	40,223	69.11
December 2021	582	1,277,649	41,214	70.81
January 2022	585	1,546,150	49,876	85.26
February 2022	585	1,317,101	47,039	80.41
March 2022	585	1,361,601	43,923	75.08
April 2022	585	1,348,899	44,963	76.86
May 2022	585	1,402,251	45,234	77.32
June 2022	585	1,398,800	46,627	79.70
July 2022	585	1,543,900	49,803	85.13
August 2022	585	1,416,399	47,213	80.71
September 2022	585	1,246,605	41,554	71.03
October 2022	585	1,260,700	40,668	69.52
November 2022	585	1,164,599	38,820	66.36
December 2022	585	1,338,350	43,173	73.80
January 2023	606	1,284,400	41,432	68.37
February 2023	606	1,143,900	40,854	67.42
March 2023	606	1,186,400	38,271	63.15
April 2023	606	1,343,300	44,777	73.89
May 2023	606	1,301,700	41,990	69.29
June 2023	606	1,250,700	41,690	68.80
July 2023	606	1,581,350	51,011	84.18
August 2023	606	1,499,150	48,360	79.80
September 2023	606	1,478,800	49,293	81.34
October 2023	606	1,389,900	44,835	73.99
November 2023	606	1,398,600	46,620	76.93
December 2023	606	1,594,100	51,423	84.86
January 2024	615	1,639,300	52,881	85.99
February 2024	615	1,273,500	43,914	71.40
March 2024	615	1,427,200	46,039	74.86
April 2024	615	1,168,000	38,933	63.31
May 2024	615	1,317,300	42,494	69.10
June 2024	615	1,447,400	48,247	78.45
July 2024	615	1,760,900	56,803	92.36
August 2024	615	1,524,600	49,181	79.97
September 2024	615	1,279,800	42,660	69.37
October 2024	615	1,269,600	40,955	66.59
November 2024	615	1,267,900	42,263	68.72
December 2024	615	1,400,600	45,181	73.47
January 2025	615	1,621,900	52,319	85.07
February 2025	615	1,294,800	46,243	75.19
March 2025	615	1,458,900	47,061	76.52
April 2025	615	1,317,000	43,900	71.38
May 2025	615	1,373,100	44,294	72.02

AVERAGES		
	Avg. Daily Inf. Flow (GPD)	Flow/Unit (GPD)
2025	46,763	76.04
2024	45,796	74.46
2023	45,046	74.33
2022	44,908	76.77
2021	44,100	75.77
2020	48,006	82.06

Permitted average daily influent flow = 130 gpd/edu

Maximum Average Daily Influent Flow
59,836

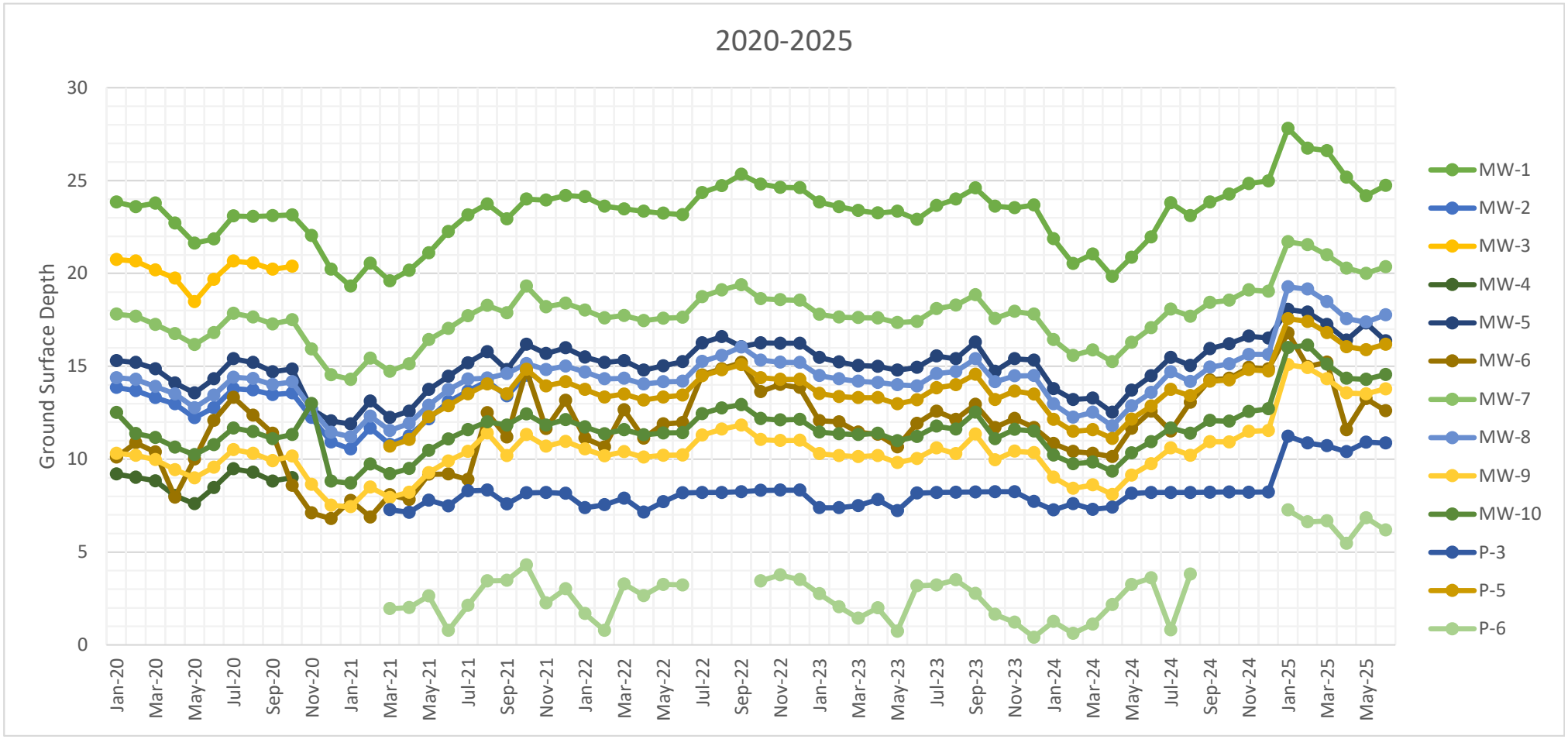
MILL BROOK ENGINEERING, LLC

Angola Beach & Estates
Monitoring Wells - Nitrate+Nitrite as N

By: EEA
Checked By: EMB
Date: 6/30/2025

		DNREC ID Local ID	68810 MW-1	68811 MW-2	68812 MW-3	68813 MW-4	93632 MW-5	211612 MW-6	160485 MW-7	264219 MW-8	264220 MW-9	264218 MW-10
2025	March	Nitrate+Nitrite as N (mg/L)	2.88	N/A	N/A	N/A	4.16	5.23	0.243	0.79	2.49	3.93
	April	Nitrate+Nitrite as N (mg/L)	2.49	N/A	N/A	N/A	4.45	3.61	0.286	1.01	2.38	4.44
		Nitrate+Nitrite as N (mg/L)										
		Nitrate+Nitrite as N (mg/L)										
	2025	Average (mg/L)	2.69	N/A	N/A	N/A	4.31	4.42	0.265	0.900	2.44	4.19
2024	January	Nitrate+Nitrite as N (mg/L)	2.03	N/A	N/A	N/A	4.87	0.263	0.267	1.88	2.66	2.88
	April	Nitrate+Nitrite as N (mg/L)	1.83	N/A	N/A	N/A	4.55	0.251	0.217	0.837	2.3	3.19
	July	Nitrate+Nitrite as N (mg/L)	2.54	N/A	N/A	N/A	5.13	0.252	0.221	0.434	1.95	3.2
	Oct	Nitrate+Nitrite as N (mg/L)	3.62	N/A	N/A	N/A	5.44	0.232	ND	0.524	2.37	3.61
	2024	Average (mg/L)	2.51	N/A	N/A	N/A	5.00	0.250	0.176	0.919	2.32	3.22
2023	January	Nitrate+Nitrite as N (mg/L)	2.56	N/A	N/A	N/A	2.98	0.289	ND	0.882	1.04	2.82
	May	Nitrate+Nitrite as N (mg/L)	3.29	N/A	N/A	N/A	5.26	0.564	0.272	1.11	1.07	2.8
	July	Nitrate+Nitrite as N (mg/L)	2.92	N/A	N/A	N/A	5.42	0.379	0.254	0.96	0.751	2.73
	Oct	Nitrate+Nitrite as N (mg/L)	2.91	N/A	N/A	N/A	4.58	0.312	0.211	1.69	1.84	2.63
	2023	Average (mg/L)	2.92	N/A	N/A	N/A	4.56	0.386	0.184	1.161	1.18	2.75
2022	January	Nitrate+Nitrite as N (mg/L)	4.29	N/A	N/A	N/A	3.64	1.93	ND	2.01	1.61	2.82
	April	Nitrate+Nitrite as N (mg/L)	3.45	N/A	N/A	N/A	3.22	0.239	0.222	1.22	1.16	2.64
	July	Nitrate+Nitrite as N (mg/L)	3.84	N/A	N/A	N/A	3.13	0.238	0.224	1.15	0.859	2.97
	Oct	Nitrate+Nitrite as N (mg/L)	3.16	N/A	N/A	N/A	3.2	0.713	0.306	1.23	1.05	2.76
	2022	Average (mg/L)	3.69	N/A	N/A	N/A	3.30	0.780	0.188	1.403	1.17	2.80
2021	March	Nitrate+Nitrite as N (mg/L)	2.18	1.44	N/A	N/A	5.84	0.317	0.272	0.954	1.12	2.67
	May	Nitrate+Nitrite as N (mg/L)	2.26	1.38	N/A	N/A	5.03	0.616	ND	0.618	0.769	2.16
	July	Nitrate+Nitrite as N (mg/L)	2.76	1.76	N/A	N/A	0.456	0.212	0.231	0.992	0.649	2.38
	Oct	Nitrate+Nitrite as N (mg/L)	4.26	5.17	N/A	N/A	4.28	0.91	0.203	1.43	1.14	2.37
	2021	Average (mg/L)	2.87	2.44	N/A	N/A	3.90	0.514	0.177	0.999	0.92	2.40
2020	January	Nitrate+Nitrite as N (mg/L)	5.37	3.34	0.246	6.24	9.12	0.44	ND	3.3	0.772	3.05
	April	Nitrate+Nitrite as N (mg/L)	5.28	4.85	ND	4.61	10.8	ND	ND	3.54	1.64	3.4
	Sept	Nitrate+Nitrite as N (mg/L)	3.77	5.67	1.45	10.3	7.15	0.522	0.497	3.67	1.23	2.44
	Dec	Nitrate+Nitrite as N (mg/L)	2.79	4.32	N/A	N/A	6.59	0.268	0.242	2.2	1.97	2.72
	2020	Average (mg/L)	4.30	4.55	0.57	7.05	8.42	0.308	0.185	3.178	1.40	2.90
2020-2025		Average (mg/L)	3.20	3.49	0.57	7.05	4.97	0.81	0.19	1.47	1.49	2.94

Note: EPA sets a maximum contamanent level (MCL) of 10 mg/L for Nitrate in groundwater drinking water systems. MW-4 and MW-5 are located within the spray field area and show higher nitrate levels compared to other monitoring wells due to the closer location to the inside of the spray field area. Monitoring wells on the outside perimitter of the wastewater disposal field show lower Nitrate levels than MW-4 and MW-5. MW-3 and MW-4 were approved to discontinue well sampling in November 2020 due to 3 quarters of monitoring being done per permit requirements. MW-2 continued monitoring due to upward trends of nitrate and was approved to discontinue well sampling in October 2021 due to a decrease of nitrate values.


2020-2025
Ground Surface Depth
30
25
20
15
10
5
0
Jan-20
Mar-20
May-20
Jul-20
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Jan-21
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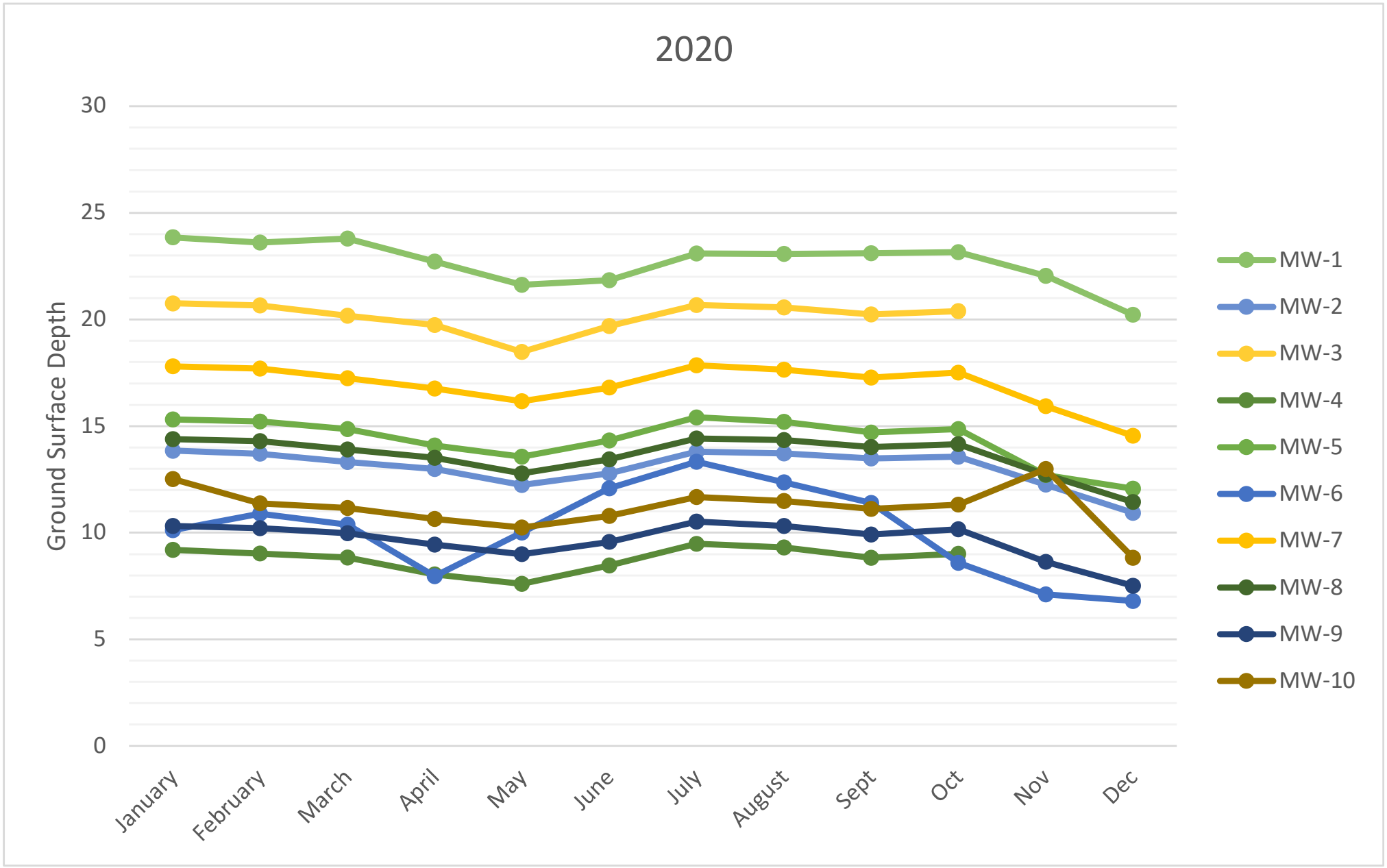
P-5
P-6

MILL BROOK ENGINEERING, LLC

Angola Beach & Estates
Monitoring Wells Ground Water Depth Measurements

By: EEA
Checked By: EMB
Date: 7/3/2025

		DNREC ID	68810	68811	68812	68813	93632	211612	160485	264219	264220	264218	264216	160486	264217
		Local ID	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	P-3	P-5	P-6
		Well Stick Up (ft.)	1.7	3.3	3.8	3.6	1.4	2.5	2.7	3.6	3.6	3.2	3.0	2.8	3.5
2020	January	Depth to Top of Well (ft.)	25.55	17.15	24.56	12.8	16.71	12.61	20.51	17.99	13.92	15.71	N/A	N/A	N/A
		Depth to Ground Surface (ft.)	23.9	13.9	20.8	9.2	15.3	10.1	17.8	14.4	10.3	12.5	N/A	N/A	N/A
	February	Depth to Top of Well (ft.)	25.3	17.0	24.46	12.63	16.61	13.39	20.39	17.89	13.81	14.58	N/A	N/A	N/A
		Depth to Ground Surface (ft.)	23.6	13.7	20.7	9.0	15.2	10.9	17.7	14.3	10.2	11.4	N/A	N/A	N/A
	March	Depth to Top of Well (ft.)	25.49	16.62	23.98	12.43	16.26	12.88	19.95	17.51	13.58	14.36	N/A	N/A	N/A
		Depth to Ground Surface (ft.)	23.8	13.3	20.2	8.8	14.9	10.4	17.3	13.9	10.0	11.2	N/A	N/A	N/A
	April	Depth to Top of Well (ft.)	24.42	16.28	23.54	11.64	15.5	10.46	19.46	17.12	13.04	13.85	N/A	N/A	N/A
		Depth to Ground Surface (ft.)	22.7	13.0	19.7	8.0	14.1	8.0	16.8	13.5	9.4	10.7	N/A	N/A	N/A
	May	Depth to Top of Well (ft.)	23.33	15.53	22.28	11.2	14.96	12.5	18.87	16.38	12.59	13.44	N/A	N/A	N/A
		Depth to Ground Surface (ft.)	21.6	12.2	18.5	7.6	13.6	10.0	16.2	12.8	9.0	10.2	N/A	N/A	N/A
	June	Depth to Top of Well (ft.)	23.55	16.08	23.49	12.07	15.73	14.58	19.51	17.04	13.17	13.98	N/A	N/A	N/A
		Depth to Ground Surface (ft.)	21.9	12.8	19.7	8.5	14.3	12.1	16.8	13.4	9.6	10.8	N/A	N/A	N/A
	July	Depth to Top of Well (ft.)	24.79	17.1	24.47	13.08	16.81	15.83	20.55	18.02	14.12	14.88	N/A	N/A	N/A
		Depth to Ground Surface (ft.)	23.1	13.8	20.7	9.5	15.4	13.3	17.9	14.4	10.5	11.7	N/A	N/A	N/A
	August	Depth to Top of Well (ft.)	24.77	17.02	24.36	12.9	16.6	14.86	20.35	17.94	13.92	14.69	N/A	N/A	N/A
		Depth to Ground Surface (ft.)	23.1	13.7	20.6	9.3	15.2	12.4	17.7	14.3	10.3	11.5	N/A	N/A	N/A
	Sept	Depth to Top of Well (ft.)	24.81	16.78	24.03	12.42	16.1	13.89	19.98	17.62	13.52	14.31	N/A	N/A	N/A
		Depth to Ground Surface (ft.)	23.1	13.5	20.2	8.8	14.7	11.4	17.3	14.0	9.9	11.1	N/A	N/A	N/A
	Oct	Depth to Top of Well (ft.)	24.86	16.86	24.19	12.61	16.25	11.09	20.21	17.76	13.76	14.52	N/A	N/A	N/A
		Depth to Ground Surface (ft.)	23.2	13.6	20.4	9.0	14.9	8.6	17.5	14.2	10.2	11.3	N/A	N/A	N/A
	Nov	Depth to Top of Well (ft.)	23.74	15.55	N/A	N/A	14.1	9.61	18.64	16.32	12.24	16.19	N/A	N/A	N/A
		Depth to Ground Surface (ft.)	22.0	12.3	N/A	N/A	12.7	7.1	15.9	12.7	8.6	13.0	N/A	N/A	N/A
	Dec	Depth to Top of Well (ft.)	21.92	14.23	N/A	N/A	13.46	9.3	17.24	15.04	11.11	12.02	N/A	N/A	N/A
		Depth to Ground Surface (ft.)	20.2	10.9	N/A	N/A	12.1	6.8	14.5	11.4	7.5	8.8	N/A	N/A	N/A


2020
Ground Surface Depth
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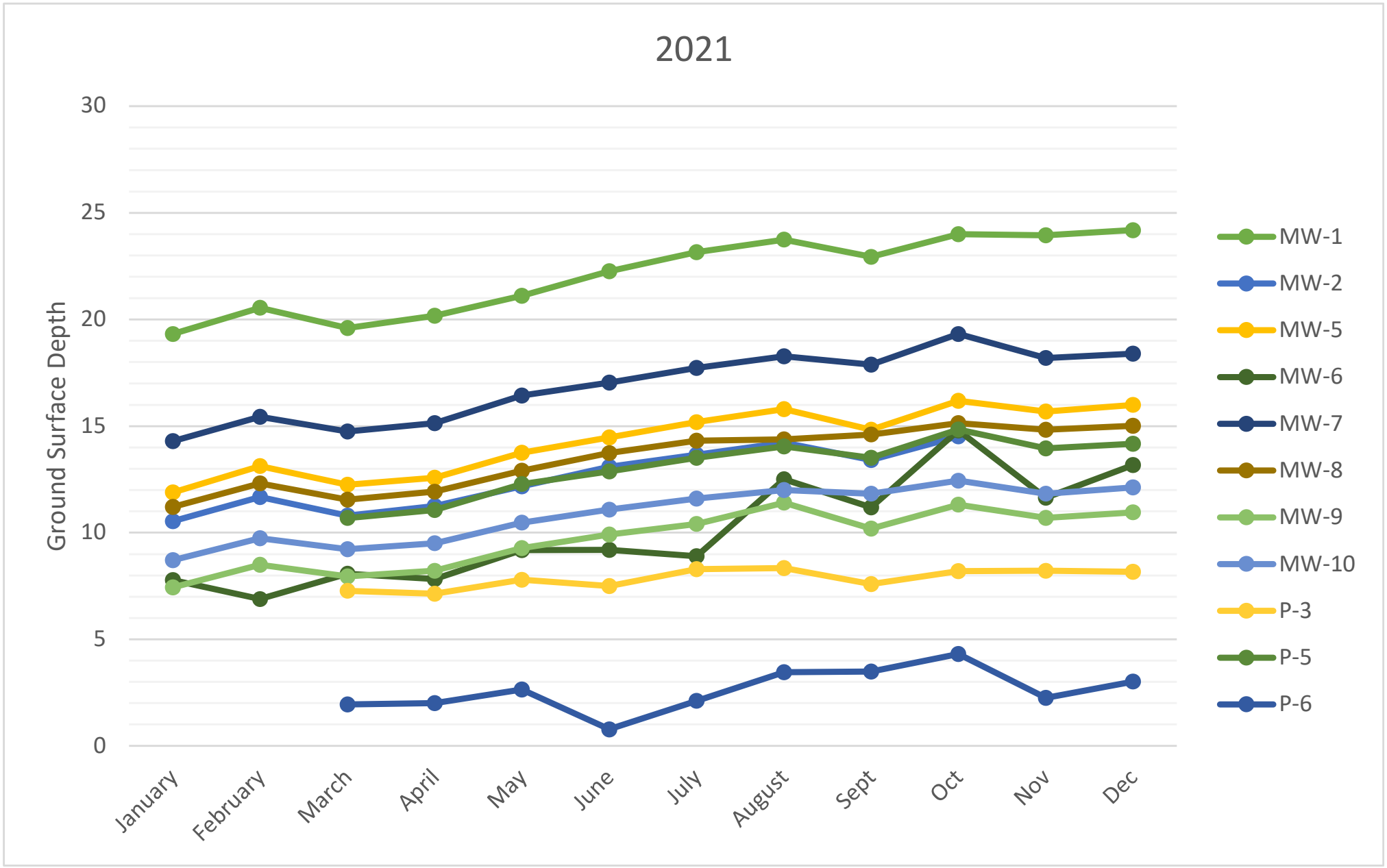
MW-6
MW-7
MW-8
MW-9
MW-10

MILL BROOK ENGINEERING, LLC

Angola Beach & Estates
Monitoring Wells Ground Water Depth Measurements

By: EEA
Checked By: EMB
Date: 7/3/2025

		DNREC ID	68810	68811	68812	68813	93632	211612	160485	264219	264220	264218	264216	160486	264217
		Local ID	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	P-3	P-5	P-6
		Well Stick Up (ft.)	1.7	3.3	3.8	3.6	1.4	2.5	2.7	3.6	3.6	3.2	3.0	2.8	3.5
2021	January	Depth to Top of Well (ft.)	21.02	13.84	N/A	N/A	13.29	10.28	16.99	14.81	11.04	11.91	N/A	N/A	N/A
		Depth to Ground Surface (ft.)	19.3	10.5	N/A	N/A	11.9	7.8	14.3	11.2	7.4	8.7	N/A	N/A	N/A
	February	Depth to Top of Well (ft.)	22.25	14.97	N/A	N/A	14.53	9.39	18.14	15.92	12.1	12.94	N/A	N/A	N/A
		Depth to Ground Surface (ft.)	20.6	11.7	N/A	N/A	13.1	6.9	15.4	12.3	8.5	9.7	N/A	N/A	N/A
	March	Depth to Top of Well (ft.)	21.3	14.1	N/A	N/A	13.65	10.58	17.44	15.15	11.54	12.42	10.28	13.49	5.45
		Depth to Ground Surface (ft.)	19.6	10.8	N/A	N/A	12.3	8.1	14.7	11.6	7.9	9.2	7.3	10.7	2.0
	April	Depth to Top of Well (ft.)	21.87	14.56	N/A	N/A	13.98	10.33	17.83	15.53	11.82	12.7	10.14	13.86	5.51
		Depth to Ground Surface (ft.)	20.2	11.3	N/A	N/A	12.6	7.8	15.1	11.9	8.2	9.5	7.1	11.1	2.0
	May	Depth to Top of Well (ft.)	22.81	15.47	N/A	N/A	15.15	11.68	19.14	16.51	12.88	13.68	10.79	15.09	6.14
		Depth to Ground Surface (ft.)	21.1	12.2	N/A	N/A	13.8	9.2	16.4	12.9	9.3	10.5	7.8	12.3	2.6
	June	Depth to Top of Well (ft.)	23.96	16.4	N/A	N/A	15.86	11.7	19.74	17.34	13.51	14.29	10.49	15.68	4.28
		Depth to Ground Surface (ft.)	22.3	13.1	N/A	N/A	14.5	9.2	17.0	13.7	9.9	11.1	7.5	12.9	0.8
	July	Depth to Top of Well (ft.)	24.86	16.96	N/A	N/A	16.59	11.4	20.42	17.91	14.01	14.79	11.29	16.32	5.62
		Depth to Ground Surface (ft.)	23.2	13.7	N/A	N/A	15.2	8.9	17.7	14.3	10.4	11.6	8.3	13.5	2.1
	August	Depth to Top of Well (ft.)	25.44	17.51	N/A	N/A	17.19	15.0	20.98	17.97	15.01	15.21	11.34	16.84	6.95
		Depth to Ground Surface (ft.)	23.7	14.2	N/A	N/A	15.8	12.5	18.3	14.4	11.4	12.0	8.3	14.0	3.5
	Sept	Depth to Top of Well (ft.)	24.64	16.7	N/A	N/A	16.23	13.69	20.59	18.21	13.79	15.03	10.59	16.32	6.98
		Depth to Ground Surface (ft.)	22.9	13.4	N/A	N/A	14.8	11.2	17.9	14.6	10.2	11.8	7.6	13.5	3.5
	Oct	Depth to Top of Well (ft.)	25.7	17.82	N/A	N/A	17.59	17.3	22.02	18.74	14.92	15.64	11.19	17.64	7.81
		Depth to Ground Surface (ft.)	24.0	14.5	N/A	N/A	16.2	14.8	19.3	15.1	11.3	12.4	8.2	14.8	4.3
	Nov	Depth to Top of Well (ft.)	25.65	N/A	N/A	N/A	17.09	14.15	20.9	18.43	14.29	15.03	11.21	16.75	5.76
		Depth to Ground Surface (ft.)	24.0	N/A	N/A	N/A	15.7	11.7	18.2	14.8	10.7	11.8	8.2	14.0	2.3
	Dec	Depth to Top of Well (ft.)	25.89	N/A	N/A	N/A	17.4	15.67	21.1	18.62	14.56	15.33	11.16	16.97	6.52
		Depth to Ground Surface (ft.)	24.2	N/A	N/A	N/A	16.0	13.2	18.4	15.0	11.0	12.1	8.2	14.2	3.0


2021
Ground Surface Depth
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Oct
Nov
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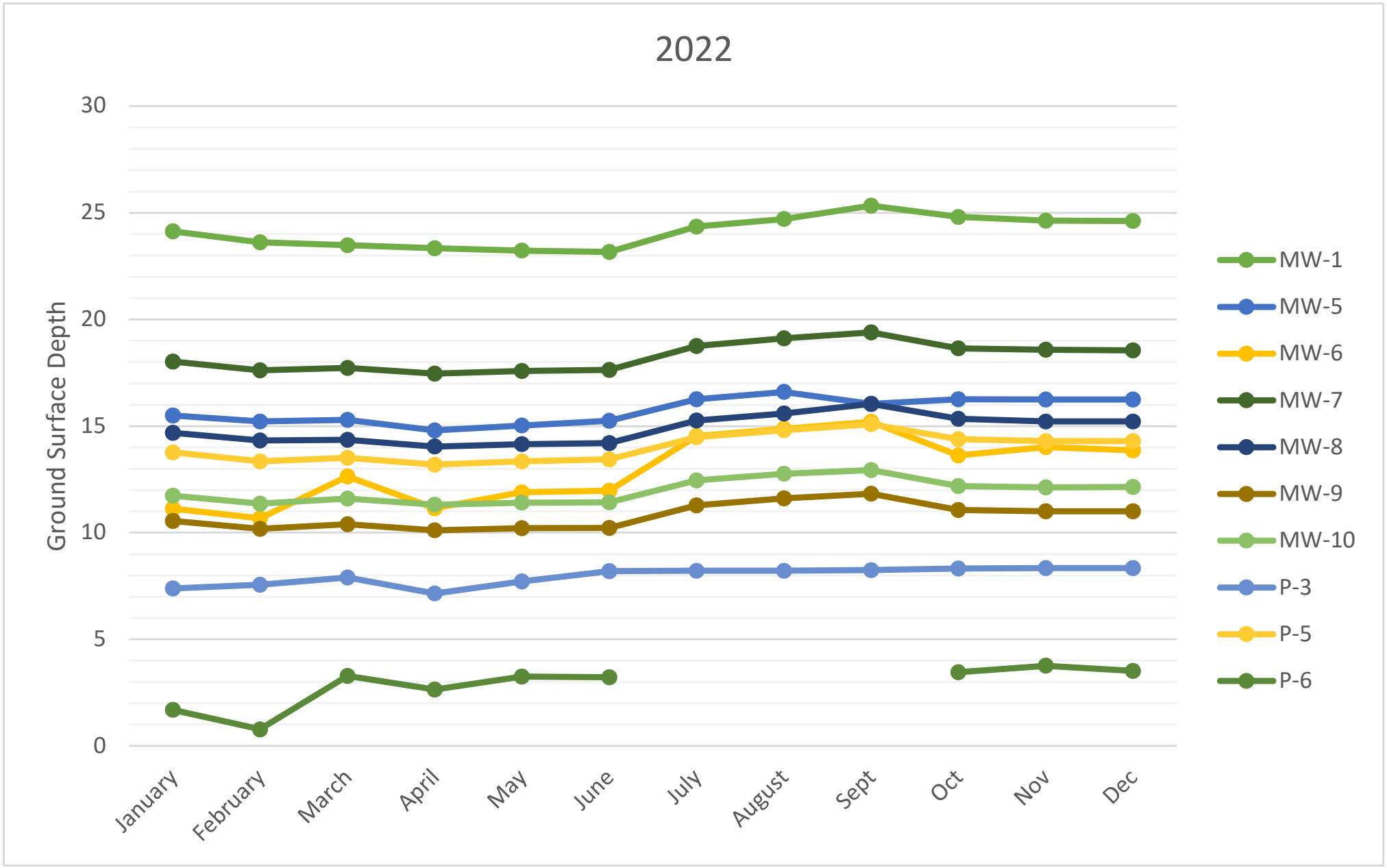
MW-5
MW-6
MW-7
MW-8
MW-9
MW-10
P-3
P-5
P-6

MILL BROOK ENGINEERING, LLC

Angola Beach & Estates
Monitoring Wells Ground Water Depth Measurements

By: EEA
Checked By: EMB
Date: 7/3/2025

		DNREC ID	68810	68811	68812	68813	93632	211612	160485	264219	264220	264218	264216	160486	264217
		Local ID	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	P-3	P-5	P-6
		Well Stick Up (ft.)	1.7	3.3	3.8	3.6	1.4	2.5	2.7	3.6	3.6	3.2	3.0	2.8	3.5
2022	January	Depth to Top of Well (ft.)	25.84	N/A	N/A	N/A	16.9	13.63	20.73	18.29	14.15	14.93	10.38	16.56	5.19
		Depth to Ground Surface (ft.)	24.1	N/A	N/A	N/A	15.5	11.1	18.0	14.7	10.6	11.7	7.4	13.8	1.7
	February	Depth to Top of Well (ft.)	25.33	N/A	N/A	N/A	16.61	13.17	20.31	17.92	13.78	14.56	10.55	16.15	4.28
		Depth to Ground Surface (ft.)	23.6	N/A	N/A	N/A	15.2	10.7	17.6	14.3	10.2	11.4	7.6	13.4	0.8
	March	Depth to Top of Well (ft.)	25.18	N/A	N/A	N/A	16.7	15.15	20.43	17.96	14.0	14.79	10.9	16.31	6.79
		Depth to Ground Surface (ft.)	23.5	N/A	N/A	N/A	15.3	12.7	17.7	14.4	10.4	11.6	7.9	13.5	3.3
	April	Depth to Top of Well (ft.)	25.04	N/A	N/A	N/A	16.2	13.64	20.16	17.64	13.71	14.51	10.15	15.99	6.15
		Depth to Ground Surface (ft.)	23.3	N/A	N/A	N/A	14.8	11.1	17.5	14.0	10.1	11.3	7.2	13.2	2.7
	May	Depth to Top of Well (ft.)	24.94	N/A	N/A	N/A	16.43	14.4	20.29	17.76	13.81	14.61	10.71	16.14	6.76
		Depth to Ground Surface (ft.)	23.2	N/A	N/A	N/A	15.0	11.9	17.6	14.2	10.2	11.4	7.7	13.3	3.3
	June	Depth to Top of Well (ft.)	24.87	N/A	N/A	N/A	16.65	14.47	20.34	17.8	13.83	14.62	11.19	16.24	6.72
		Depth to Ground Surface (ft.)	23.2	N/A	N/A	N/A	15.3	12.0	17.6	14.2	10.2	11.4	8.2	13.4	3.2
	July	Depth to Top of Well (ft.)	26.05	N/A	N/A	N/A	17.66	17.03	21.45	18.86	14.89	15.65	11.21	17.29	DRY
		Depth to Ground Surface (ft.)	24.4	N/A	N/A	N/A	16.3	14.5	18.8	15.3	11.3	12.5	8.2	14.5	DRY
	August	Depth to Top of Well (ft.)	26.42	N/A	N/A	N/A	18.0	17.37	21.82	19.19	15.22	15.96	11.21	17.61	DRY
		Depth to Ground Surface (ft.)	24.7	N/A	N/A	N/A	16.6	14.9	19.1	15.6	11.6	12.8	8.2	14.8	DRY
	Sept	Depth to Top of Well (ft.)	27.04	N/A	N/A	N/A	17.45	17.7	22.09	19.64	15.43	16.14	11.25	17.89	DRY
		Depth to Ground Surface (ft.)	25.3	N/A	N/A	N/A	16.1	15.2	19.4	16.0	11.8	12.9	8.3	15.1	DRY
	Oct	Depth to Top of Well (ft.)	26.51	N/A	N/A	N/A	17.66	16.13	21.35	18.94	14.66	15.39	11.32	17.19	6.95
		Depth to Ground Surface (ft.)	24.8	N/A	N/A	N/A	16.3	13.6	18.7	15.3	11.1	12.2	8.3	14.4	3.5
	Nov	Depth to Top of Well (ft.)	26.34	N/A	N/A	N/A	17.64	16.52	21.29	18.82	14.6	15.32	11.34	17.09	7.26
		Depth to Ground Surface (ft.)	24.6	N/A	N/A	N/A	16.2	14.0	18.6	15.2	11.0	12.1	8.3	14.3	3.8
	Dec	Depth to Top of Well (ft.)	26.32	N/A	N/A	N/A	17.64	16.36	21.26	18.81	14.61	15.35	11.34	17.1	7.02
		Depth to Ground Surface (ft.)	24.6	N/A	N/A	N/A	16.2	13.9	18.6	15.2	11.0	12.2	8.3	14.3	3.5


2022
Ground Surface Depth
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MW-5
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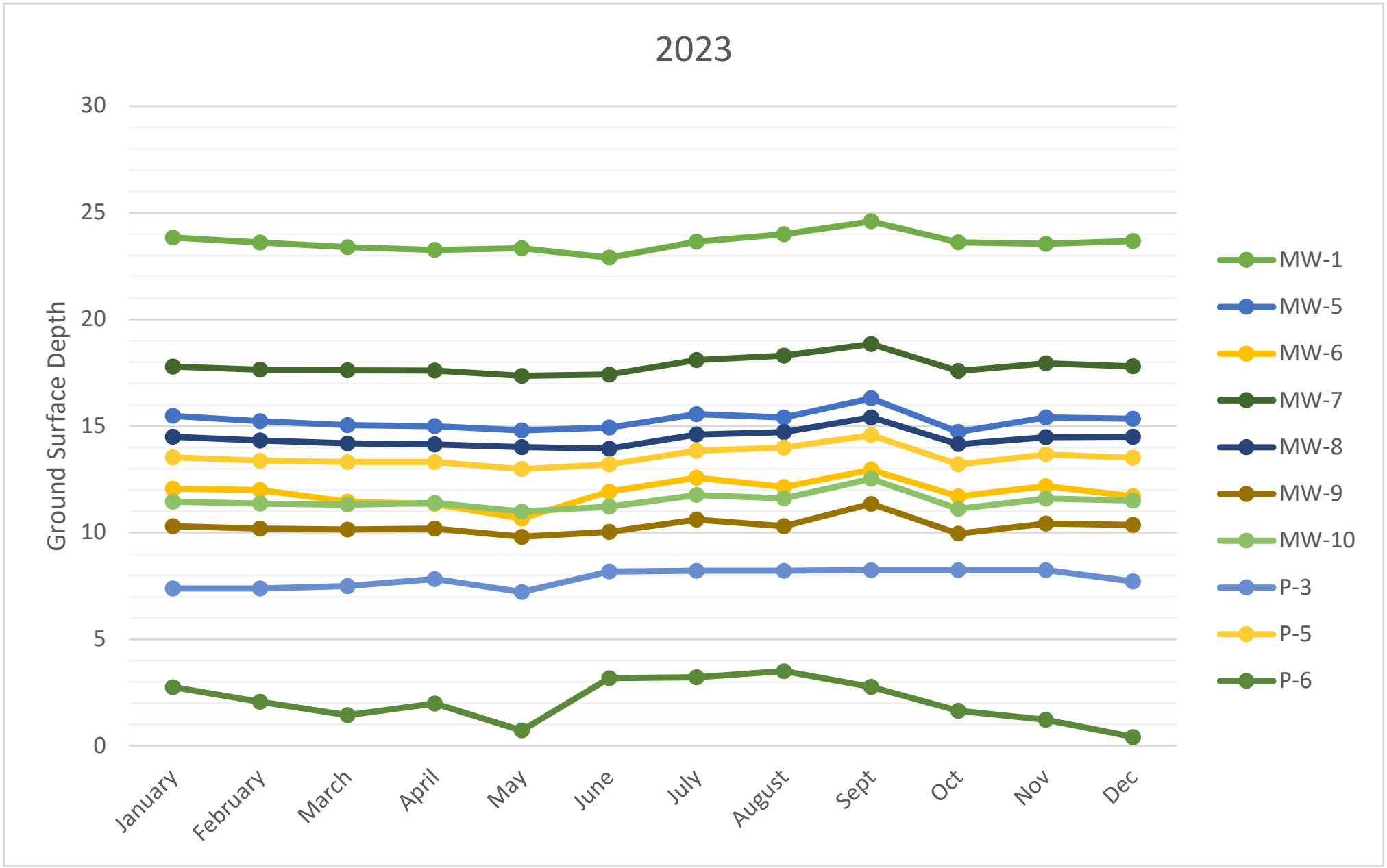
MW-7
MW-8
MW-9
MW-10
P-3
P-5
P-6

MILL BROOK ENGINEERING, LLC

Angola Beach & Estates
Monitoring Wells Ground Water Depth Measurements

By: EEA
Checked By: EMB
Date: 7/3/2025

		DNREC ID	68810	68811	68812	68813	93632	211612	160485	264219	264220	264218	264216	160486	264217
		Local ID	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	P-3	P-5	P-6
		Well Stick Up (ft.)	1.7	3.3	3.8	3.6	1.4	2.5	2.7	3.6	3.6	3.2	3.0	2.8	3.5
2023	January	Depth to Top of Well (ft.)	25.54	N/A	N/A	N/A	16.88	14.57	20.49	18.1	13.9	14.66	10.38	16.33	6.25
		Depth to Ground Surface (ft.)	23.8	N/A	N/A	N/A	15.5	12.1	17.8	14.5	10.3	11.5	7.4	13.5	2.8
	February	Depth to Top of Well (ft.)	25.3	N/A	N/A	N/A	16.63	14.51	20.35	17.93	13.8	14.57	10.39	16.17	5.56
		Depth to Ground Surface (ft.)	23.6	N/A	N/A	N/A	15.2	12.0	17.7	14.3	10.2	11.4	7.4	13.4	2.1
	March	Depth to Top of Well (ft.)	25.09	N/A	N/A	N/A	16.45	13.95	20.32	17.79	13.74	14.52	10.5	16.12	4.94
		Depth to Ground Surface (ft.)	23.4	N/A	N/A	N/A	15.1	11.5	17.6	14.2	10.1	11.3	7.5	13.3	1.4
	April	Depth to Top of Well (ft.)	24.96	N/A	N/A	N/A	16.4	13.84	20.3	17.74	13.79	14.59	10.83	16.11	5.49
		Depth to Ground Surface (ft.)	23.3	N/A	N/A	N/A	15.0	11.3	17.6	14.1	10.2	11.4	7.8	13.3	2.0
	May	Depth to Top of Well (ft.)	25.04	N/A	N/A	N/A	16.2	13.16	20.06	17.61	13.41	14.19	10.22	15.78	4.23
		Depth to Ground Surface (ft.)	23.3	N/A	N/A	N/A	14.8	10.7	17.4	14.0	9.8	11.0	7.2	13.0	0.7
	June	Depth to Top of Well (ft.)	24.6	N/A	N/A	N/A	16.34	14.43	20.12	17.54	13.64	14.42	11.18	16.0	6.68
		Depth to Ground Surface (ft.)	22.9	N/A	N/A	N/A	14.9	11.9	17.4	13.9	10.0	11.2	8.2	13.2	3.2
	July	Depth to Top of Well (ft.)	25.36	N/A	N/A	N/A	16.96	15.08	20.8	18.21	14.21	14.97	11.21	16.64	6.72
		Depth to Ground Surface (ft.)	23.7	N/A	N/A	N/A	15.6	12.6	18.1	14.6	10.6	11.8	8.2	13.8	3.2
	August	Depth to Top of Well (ft.)	25.7	N/A	N/A	N/A	16.81	14.64	21.0	18.32	13.9	14.82	11.22	16.8	7.01
		Depth to Ground Surface (ft.)	24.0	N/A	N/A	N/A	15.4	12.1	18.3	14.7	10.3	11.6	8.2	14.0	3.5
	Sept	Depth to Top of Well (ft.)	26.3	N/A	N/A	N/A	17.7	15.45	21.55	19.01	14.95	15.73	11.24	17.37	6.27
		Depth to Ground Surface (ft.)	24.6	N/A	N/A	N/A	16.3	13.0	18.9	15.4	11.4	12.5	8.2	14.6	2.8
	Oct	Depth to Top of Well (ft.)	25.32	N/A	N/A	N/A	16.13	14.2	20.28	17.76	13.56	14.31	11.25	16.01	5.14
		Depth to Ground Surface (ft.)	23.6	N/A	N/A	N/A	14.7	11.7	17.6	14.2	10.0	11.1	8.3	13.2	1.6
	Nov	Depth to Top of Well (ft.)	25.24	N/A	N/A	N/A	16.81	14.69	20.65	18.09	14.03	14.8	11.25	16.47	4.72
		Depth to Ground Surface (ft.)	23.5	N/A	N/A	N/A	15.4	12.2	18.0	14.5	10.4	11.6	8.3	13.7	1.2
	Dec	Depth to Top of Well (ft.)	25.38	N/A	N/A	N/A	16.74	14.21	20.51	18.1	13.96	14.71	10.72	16.31	3.92
		Depth to Ground Surface (ft.)	23.7	N/A	N/A	N/A	15.3	11.7	17.8	14.5	10.4	11.5	7.7	13.5	0.4


2023
Ground Surface Depth
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MW-5
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MW-8
MW-9
MW-10
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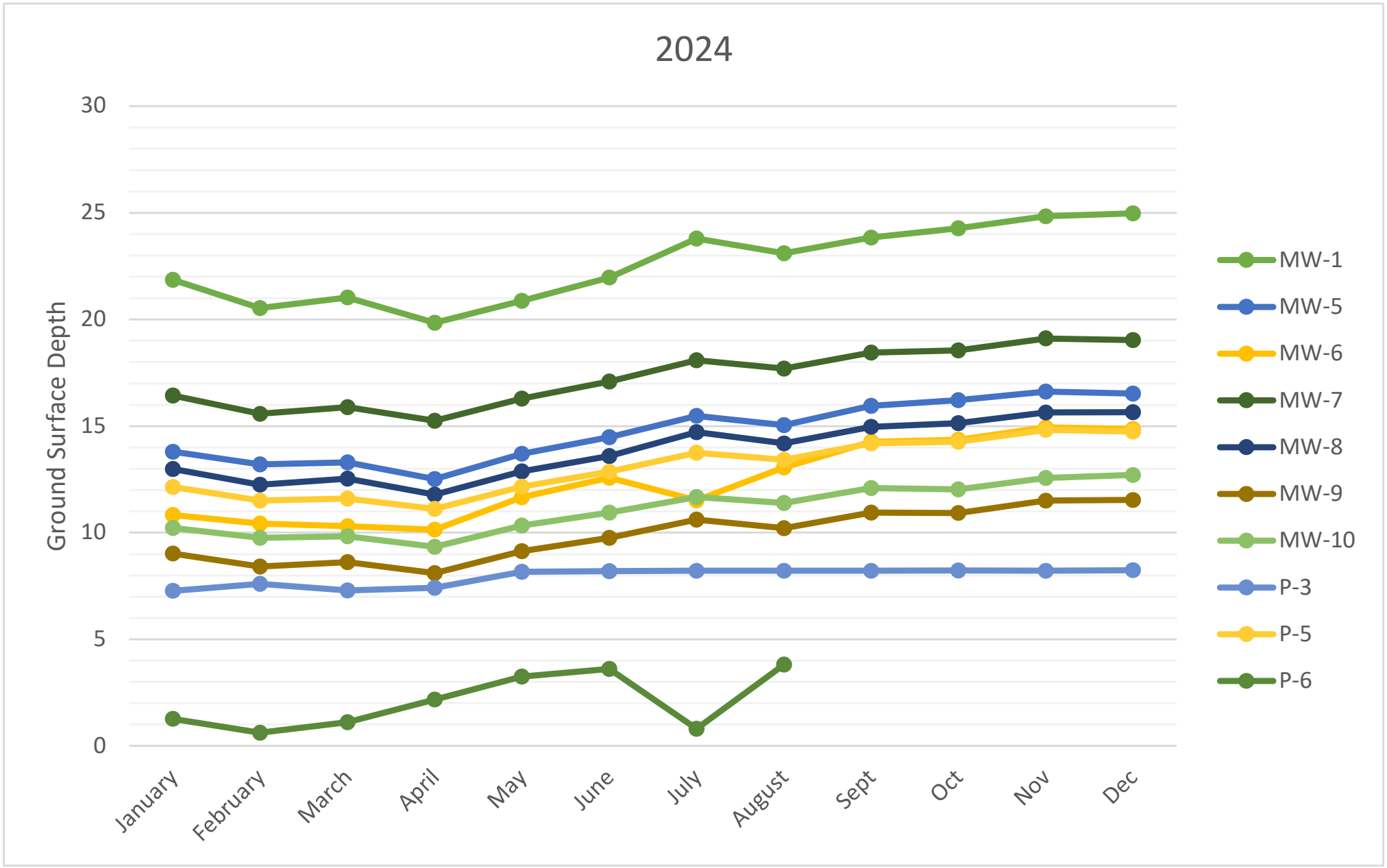
P-6

MILL BROOK ENGINEERING, LLC

Angola Beach & Estates
Monitoring Wells Ground Water Depth Measurements

By: EEA
Checked By: EMB
Date: 7/3/2025

		DNREC ID Local ID Well Stick Up (ft.)	68810 MW-1 1.7	68811 MW-2 3.3	68812 MW-3 3.8	68813 MW-4 3.6	93632 MW-5 1.4	211612 MW-6 2.5	160485 MW-7 2.7	264219 MW-8 3.6	264220 MW-9 3.6	264218 MW-10 3.2	264216 P-3 3.0	160486 P-5 2.8	264217 P-6 3.5
2024	January	Depth to Top of Well (ft.)	23.56	N/A	N/A	N/A	15.2	13.34	19.14	16.58	12.63	13.42	10.27	14.94	4.77
		Depth to Ground Surface (ft.)	21.9	N/A	N/A	N/A	13.8	10.8	16.4	13.0	9.0	10.2	7.3	12.1	1.3
	February	Depth to Top of Well (ft.)	22.24	N/A	N/A	N/A	14.61	12.92	18.28	15.86	12.02	12.95	10.6	14.3	4.12
		Depth to Ground Surface (ft.)	20.5	N/A	N/A	N/A	13.2	10.4	15.6	12.3	8.4	9.8	7.6	11.5	0.6
	March	Depth to Top of Well (ft.)	22.74	N/A	N/A	N/A	14.69	12.81	18.58	16.13	12.22	13.04	10.3	14.39	4.62
		Depth to Ground Surface (ft.)	21.0	N/A	N/A	N/A	13.3	10.3	15.9	12.5	8.6	9.8	7.3	11.6	1.1
	April	Depth to Top of Well (ft.)	21.55	N/A	N/A	N/A	13.92	12.64	17.95	15.39	11.7	12.54	10.42	13.92	5.67
		Depth to Ground Surface (ft.)	19.9	N/A	N/A	N/A	12.5	10.1	15.3	11.8	8.1	9.3	7.4	11.1	2.2
	May	Depth to Top of Well (ft.)	22.57	N/A	N/A	N/A	15.11	14.16	18.99	16.47	12.74	13.54	11.16	14.96	6.76
		Depth to Ground Surface (ft.)	20.9	N/A	N/A	N/A	13.7	11.7	16.3	12.9	9.1	10.3	8.2	12.2	3.3
	June	Depth to Top of Well (ft.)	23.67	N/A	N/A	N/A	15.89	15.08	19.78	17.2	13.36	14.14	11.2	15.66	7.11
		Depth to Ground Surface (ft.)	22.0	N/A	N/A	N/A	14.5	12.6	17.1	13.6	9.8	10.9	8.2	12.9	3.6
	July	Depth to Top of Well (ft.)	25.5	N/A	N/A	N/A	16.88	14.02	20.78	18.31	14.21	14.88	11.21	16.55	4.31
		Depth to Ground Surface (ft.)	23.8	N/A	N/A	N/A	15.5	11.5	18.1	14.7	10.6	11.7	8.2	13.8	0.8
	August	Depth to Top of Well (ft.)	24.81	N/A	N/A	N/A	16.45	15.56	20.39	17.78	13.81	14.59	11.21	16.22	7.31
		Depth to Ground Surface (ft.)	23.1	N/A	N/A	N/A	15.1	13.1	17.7	14.2	10.2	11.4	8.2	13.4	3.8
	Sept	Depth to Top of Well (ft.)	25.54	N/A	N/A	N/A	17.35	16.76	21.14	18.56	14.54	15.29	11.22	16.99	0
		Depth to Ground Surface (ft.)	23.8	N/A	N/A	N/A	16.0	14.3	18.4	15.0	10.9	12.1	8.2	14.2	DRY
	Oct	Depth to Top of Well (ft.)	25.97	N/A	N/A	N/A	17.62	16.86	21.25	18.73	14.53	15.24	11.23	17.06	0
		Depth to Ground Surface (ft.)	24.3	N/A	N/A	N/A	16.2	14.4	18.6	15.1	10.9	12.0	8.2	14.3	DRY
	Nov	Depth to Top of Well (ft.)	26.54	N/A	N/A	N/A	18.02	17.44	21.81	19.24	15.1	15.77	11.22	17.62	0
		Depth to Ground Surface (ft.)	24.8	N/A	N/A	N/A	16.6	14.9	19.1	15.6	11.5	12.6	8.2	14.8	DRY
	Dec	Depth to Top of Well (ft.)	26.68	N/A	N/A	N/A	17.92	17.36	21.74	19.25	15.14	15.91	11.24	17.55	0
		Depth to Ground Surface (ft.)	25.0	N/A	N/A	N/A	16.5	14.9	19.0	15.7	11.5	12.7	8.2	14.8	DRY

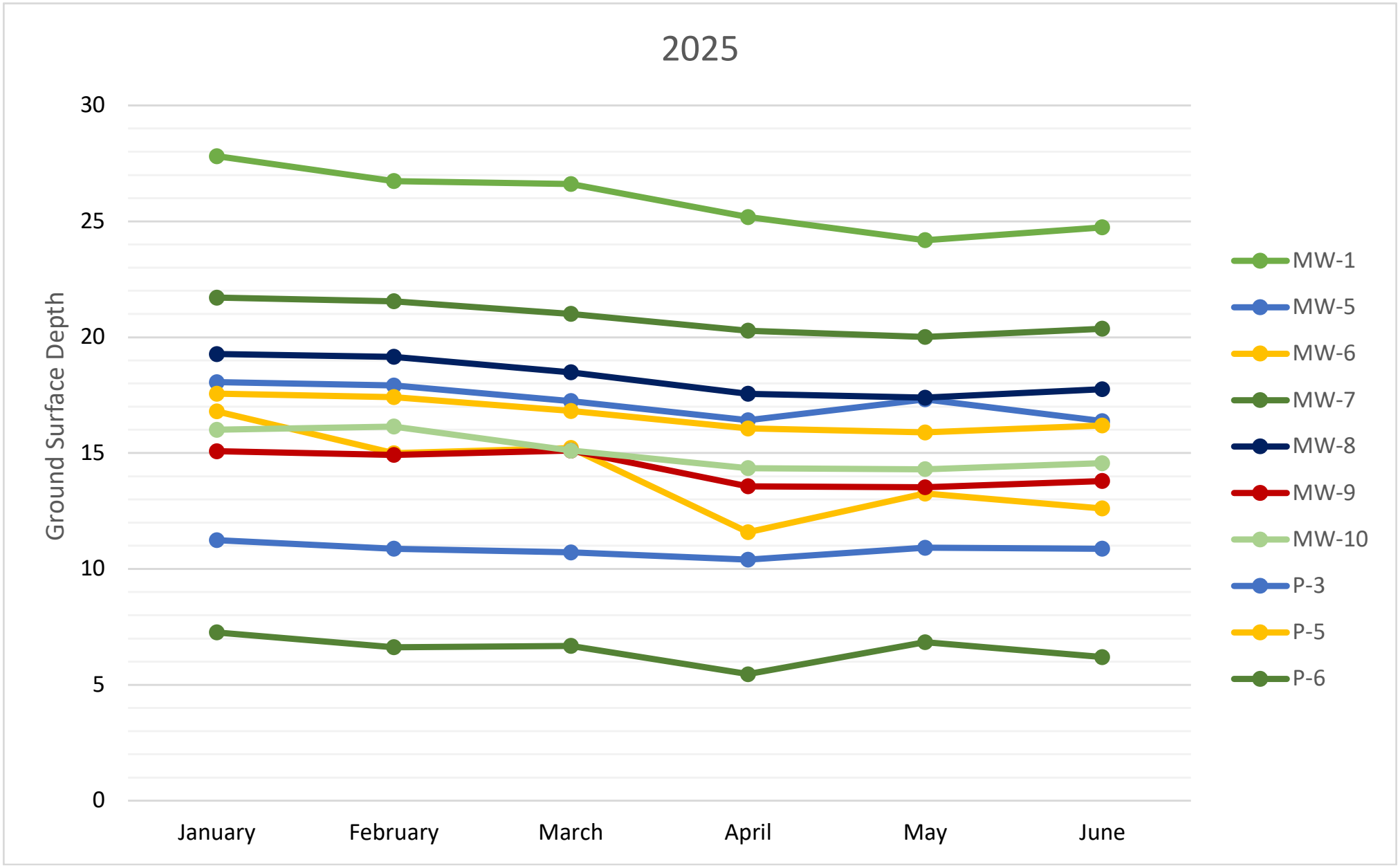

2024
Ground Surface Depth
30
25
20
15
10
5
0
January
February
March
April
May
June
July
August
Sept
Oct
Nov
Dec
MW-1
MW-5
MW-6
MW-7
MW-8
MW-9
MW-10
P-3
P-5
P-6

MILL BROOK ENGINEERING, LLC

Angola Beach & Estates
Monitoring Wells Ground Water Depth Measurements

By: EEA
Checked By: EMB
Date: 7/3/2025

		DNREC ID	68810	68811	68812	68813	93632	211612	160485	264219	264220	264218	264216	160486	264217
		Local ID	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	P-3	P-5	P-6
		Well Stick Up (ft.)	1.7	3.3	3.8	3.6	1.4	2.5	2.7	3.6	3.6	3.2	3.0	2.8	3.5
2025	January	Depth to Top of Well (ft.)	27.81	N/A	N/A	N/A	18.06	16.8	21.71	19.27	15.08	16.01	11.24	17.56	7.26
		Depth to Ground Surface (ft.)	26.1	N/A	N/A	N/A	16.7	14.3	19.0	15.7	11.5	12.8	8.2	14.8	3.8
	February	Depth to Top of Well (ft.)	26.74	N/A	N/A	N/A	17.91	14.99	21.55	19.16	14.92	16.14	10.87	17.42	6.63
		Depth to Ground Surface (ft.)	25.0	N/A	N/A	N/A	16.5	12.5	18.9	15.6	11.3	12.9	7.9	14.6	3.1
	March	Depth to Top of Well (ft.)	26.61	N/A	N/A	N/A	17.25	15.22	21	18.48	14.32	15.11	10.72	16.82	6.68
		Depth to Ground Surface (ft.)	24.9	N/A	N/A	N/A	15.9	12.7	18.3	14.9	10.7	11.9	7.7	14.0	3.2
	April	Depth to Top of Well (ft.)	25.18	N/A	N/A	N/A	16.41	11.59	20.28	17.56	13.57	14.35	10.4	16.06	5.46
		Depth to Ground Surface (ft.)	23.5	N/A	N/A	N/A	15.0	9.1	17.6	14.0	10.0	11.2	7.4	13.3	2.0
	May	Depth to Top of Well (ft.)	24.18	N/A	N/A	N/A	17.32	13.25	20.01	17.39	13.52	14.3	10.92	15.89	6.84
		Depth to Ground Surface (ft.)	22.5	N/A	N/A	N/A	15.9	10.8	17.3	13.8	9.9	11.1	7.9	13.1	3.3
	June	Depth to Top of Well (ft.)	24.74	N/A	N/A	N/A	16.38	12.61	20.36	17.76	13.79	14.56	10.87	16.19	6.19
		Depth to Ground Surface (ft.)	23.0	N/A	N/A	N/A	15.0	10.1	17.7	14.2	10.2	11.4	7.9	13.4	2.7
	July	Depth to Top of Well (ft.)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Depth to Ground Surface (ft.)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	August	Depth to Top of Well (ft.)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Depth to Ground Surface (ft.)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Sept	Depth to Top of Well (ft.)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Depth to Ground Surface (ft.)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Oct	Depth to Top of Well (ft.)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Depth to Ground Surface (ft.)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Nov	Depth to Top of Well (ft.)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Depth to Ground Surface (ft.)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Dec	Depth to Top of Well (ft.)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Depth to Ground Surface (ft.)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A


2025
Ground Surface Depth
30
25
20
15
10
5
0
January
February
March
April
May
June
MW-1
MW-5
MW-6
MW-7
MW-8
MW-9
MW-10
P-3
P-5
P-6

MILL BROOK ENGINEERING, LLC

Angola Beach & Estates
Sewer Analysis - Effluent Data

By: EEA
Checked By: EMB
Date: 7/3/2025

2020	BOD (mg/l)	TSS (mg/l)	Total Nitrogen (mg/l)	Fecal Coliform (col/100 mL)
	50	90	Varies	200
Jan-20	12.3	22.5	22.9	10
Jan-20	8.9	17	18.8	ND
Feb-20	11.6	19.4	18.6	ND
Feb-20	13.9	22	24.2	>800
Mar-20	9.6	14	26.7	ND
Mar-20	7.7	14	25.1	40
Apr-20	12.1	23	17.9	ND
Apr-20	14.7	16.7	21.7	ND
May-20	6.4	8	14	40
Jun-20	19.1	18	16.6	20
Jun-20	26.4	22	19.8	ND
Jul-20	26.6	21.7	27.4	10
Jul-20	13.9	30.9	25.3	20
Aug-20	23.5	20	38.3	ND
Aug-20	23.5	38	35	ND
Sep-20	18.2	16	31	10
Sep-20	23.4	24.7	15.6	2
Oct-20	13.8	14	20.4	>160
Oct-20	10.2	15.3	19.6	ND
Nov-20	14.1	20	21.8	>800
Nov-20	6	11	14.6	ND
Dec-20	15	15	15.9	ND
Dec-20	14.8	27	16.9	20
Average	15.03	19.57	22.09	88.78

2021	BOD (mg/l)	TSS (mg/l)	Total Nitrogen (mg/l)	Fecal Coliform (col/100 mL)
	50	90	Varies	200
Jan-21	6	11	17.8	300
Jan-21	6.3	12	15.8	ND
Feb-21	7.8	14	23	ND
Feb-21	ND	14.1	17.4	ND
Mar-21	7.8	16	23.2	ND
Mar-21	20	7	22.4	ND
Apr-21	6.2	11	22.9	ND
Apr-21	5.5	5	28.1	ND
May-21	7.6	10	17.2	ND
May-21	9.7	10.7	26.7	ND
Jun-21	16.6	13.3	13.5	60
Jun-21	12.5	22.9	13.6	ND
Jul-21	21.7	20	29.7	ND
Jul-21	27.4	22	20.1	ND
Aug-21	18.2	16	25.5	ND
Aug-21	15.4	12	30.4	620
Sep-21	20.4	24	25.7	ND
Sep-21	18.2	29	20.8	ND
Oct-21	14.4	30	32.7	10
Oct-21	20.5	15	34.5	ND
Nov-21	16.5	28	27.2	ND
Nov-21	12.5	24	25.1	ND
Dec-21	10.6	24	23.6	ND
Dec-21	7.2	16	33.3	20
Average	14.96	16.96	23.76	50.00

2022	BOD (mg/l)	TSS (mg/l)	Total Nitrogen (mg/l)	Fecal Coliform (col/100 mL)
	50	90	Varies	200
Jan-22	8.4	8	30	ND
Jan-22	14.3	6	26.6	ND
Feb-22	12.5	11	33.6	ND
Feb-22	12.2	9	30.4	ND
Mar-22	4.8	15	28.3	ND
Mar-22	10.8	11	28	ND
Apr-22	47.7	32	36.7	ND
May-22	39	50	37.9	ND
Jun-22	36.9	44	22.8	ND
Jun-22	40.9	58	28.1	ND
Jul-22	22.8	36	24.5	10
Jul-22	25.4	50	34.7	90
Aug-22	35.1	48.9	38.4	ND
Aug-22	36.6	54	34.3	ND
Sep-22	24.1	40	15.2	ND
Sep-22	23.8	24	17.9	ND
Oct-22	14.9	16	16.5	ND
Oct-22	18	25	13.9	ND
Nov-22	24.3	16	22	ND
Dec-22	10.3	24.6	14.6	ND
Dec-22	9.8	10.7	20.6	ND
Average	22.50	28.06	26.43	13.81

Note:
Orange cells in the total nitrogen column represent effluent lab readings 25% over the monthly design value. Red cells represent effluent lab readings 50% over the monthly design value.
Yellow cells in the fecal coliform collumn represent effluent lab readings over the monthly average design value.

MILL BROOK ENGINEERING, LLC

Angola Beach & Estates
Sewer Analysis - Effluent Data

By: EEA
Checked By: EMB
Date: 7/3/2025

2023	BOD (mg/l)	TSS (mg/l)	Total Nitrogen (mg/l)	Fecal Coliform (col/100 mL)
	50	90	Varies	200
Jan-23	11	14	18.3	ND
Jan-23	10.2	12	18	ND
Feb-23	8.7	6	21.3	ND
Feb-23	9.5	7.5	23.7	ND
Mar-23	13.5	7.3	31.6	ND
Mar-23	11.4	6	23.2	ND
Apr-23	8.4	5.2	30.6	ND
Apr-23	12	8.5	25.5	ND
May-23	7	8	21.8	ND
May-23	7.7	11.2	19.8	ND
Jun-23	11	12	14.1	ND
Jun-23	ND	2	17	ND
Jul-23	15.3	15	9.37	ND
Jul-23	14.2	24	9.92	ND
Aug-23	25	18	7.4	ND
Aug-23	23.5	12	7.62	ND
Sep-23	19.2	15	16.8	ND
Sep-23	37.8	25	10.3	ND
Oct-23	18.3	20	16.6	20
Oct-23	15.7	21.3	17.1	ND
Nov-23	16.7	30	13.4	ND
Nov-23	30.8	50	12.4	ND
Dec-23	12.1	24	13.1	ND
Dec-23	14.6	32	10.7	ND
Average	16.82	16.08	17.07	10.42

2024	BOD (mg/l)	TSS (mg/l)	Total Nitrogen (mg/l)	Fecal Coliform (col/100 mL)
	50	90	Varies	200
Jan-24	7.7	4	16.5	ND
Jan-24	9.4	8	11.6	ND
Feb-24	8.8	4	17.9	10
Feb-24	5.6	2	19.7	ND
Mar-24	5.3	2	24.5	ND
Mar-24	ND	2.8	22	ND
Apr-24	6.8	ND	31.1	ND
Apr-24	8.3	9.3	26.3	ND
May-24	9.6	3.6	26.1	ND
May-24	6.2	3.2	26.9	ND
Jun-24	9.4	5.2	19.7	ND
Jun-24	22.9	15.3	19.6	ND
Jul-24	13.3	14	10.6	20
Jul-24	15.9	15.3	10.5	ND
Aug-24	19.6	21	18.4	30
Aug-24	18	15.3	12.7	ND
Sep-24	10.7	16	21.6	ND
Sep-24	13.3	24.4	14.7	ND
Oct-24	16.1	39	13.4	ND
Oct-24	15.4	23	13	20
Nov-24	19.1	16.5	14	50
Nov-24	20.3	19	13.8	10
Dec-24	16.7	17	16.9	680
Dec-24	16.2	13.9	14.9	60
Average	12.81	12.77	18.18	43.33

Note: If the effluent Total Nitrogen concentration exceeds any of the above listed concentrations by 25% (Design Value + 25%) for any corresponding calendar month, the permittee shall resample the wastewater and submit the additional analyses to the Groundwater Discharges Section. If the effluent Total Nitrogen concentration exceeds any of the above listed concentrations by 25% for over a three-month period, the permittee shall have the system evaluated to determine the cause and submit a revised Design Engineer Report to the Groundwater Discharges Section. If the effluent exceeds any of the above listed concentrations by 50% (Design Value + 50%), the Department may invoke the provisions of Part V.A.1 of this permit.

2025	BOD (mg/l)	TSS (mg/l)	Total Nitrogen (mg/l)	Fecal Coliform (col/100 mL)
	50	90	Varies	200
Jan-25	8.9	7	22.7	330
Jan-25	10.6	9.2	19.3	ND
Feb-25	10.4	5.3	21.1	ND
Feb-25	11.7	4.7	22.6	ND
Mar-25	10	4.5	26.7	ND
Mar-25	10	ND	24.7	ND
Apr-25	13.5	6.7	45	ND
Apr-25	10.2	6.4	20.9	ND
Apr-25	N/A	N/A	26.3	N/A
May-25	17.2	11.3	26.1	ND
May-25	12.2	6.2	24	ND
Jun-25	15.4	12	19.4	
Jun-25				
Jul-25				
Jul-25				
Aug-25				
Aug-25				
Sep-25				
Sep-25				
Oct-25				
Oct-25				
Nov-25				
Nov-25				
Dec-25				
Dec-25				
Average	11.83	7.33	24.90	0.00

Note:
April 2025 values when retested were well below design level, as were 2023 and 2024 values that were over 25%.