FINAL
2022 ANNUAL WELL INSPECTION SURVEY AND WELL MAINTENANCE
FORMER GRIFFISS AIR FORCE BASE
ROME, NEW YORK

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INTRODUCTION AND OBJECTIVES

Bhate Environmental Associates, Inc. (Bhate), in association with Environmental Chemical Corporation (ECC), were retained by the Air Force Civil Engineer Center (AFCEC), under Contract Number FA8903-20-D-0001, to conduct environmental remediation activities at the former Griffiss Air Force Base (AFB) and Plattsburg AFB. Under this contract, Bhate has prepared this document for the inspection and maintenance of existing groundwater wells at the former Griffiss AFB located in the City of Rome in Oneida County, New York (**Figure 1**). Well locations are shown on **Plate 1.**

The purpose of this inspection was to note the presence or absence of wells, evaluate the condition of wells that are included in the current groundwater sampling program, identify deficiencies, make repairs, and ensure there has been no unauthorized usage, encroachment upon, or interference with the former Griffiss AFB wells. The inventoried wells included permanent monitoring wells, temporary monitoring wells, and remedial system process wells installed as part of the Air Force's Installation Restoration Program (IRP). However, it does not include vapor monitoring wells or vapor probes. In addition to documenting results of the well inspection, this document presents the details of any well maintenance and repair activities performed in 2022 along with providing recommendations for future maintenance, repairs, and other activities.

WELL INVENTORY

A comprehensive list from the Final Technical Memorandum 2021 Annual Well Inspection Survey and Maintenance Report (Bhate, August 2022) containing 340 well locations formed the initial basis of this report. The 2022 well inventory is the eighth comprehensive inventory or inspection reported for the former Griffiss AFB since 2010 (FPM Group Ltd. [FPM], January 2010).

Field activities associated with the well inventory were conducted intermittently during 2022, often in coordination with other field work being performed at former Griffiss AFB. Field personnel examined and noted the condition of each inspected well. Efforts were also made to locate some wells that were not found during the 2021 well inventory. The well inventory information is summarized in **Table 1**.

Inspections and data collection for the former Griffiss AFB well inventory was separated into two categories:

1.) Wells sampled as part of the 2022 groundwater LTM program or other investigations [71 total]

2.) Wells not sampled as part of the 2022 groundwater LTM program or other investigations [277 total]

- Including a subset of non-LTM program wells that were part of the AFFF site inspection (Wood, 2018) [34 total]

A visual inspection of the physical condition and structural integrity was performed at the 71 wells sampled as part of the 2022 groundwater LTM programs at the former Griffiss AFB. The wells that were not sampled as part of the 2022 groundwater LTM program but were located during 2022 often received only a visual inspection of their physical condition. Details recorded during the visual inspections of the physical condition included the presence/absence of: the well itself; identification markings; a lock; and a well cap. Visual inspections of the physical condition also noted the type of surface completion, condition of concrete pad (where applicable), and any maintenance issues. Details recorded during the inspections of the structural integrity included the presence/absence of: any dedicated downhole sampling equipment; a clearly marked measuring point; and any obstructions or issues with well plumbness. Findings of the 2022 well inventory are presented in **Table 1** and summarized below.

In 2022, 315 wells at the former Griffiss AFB were located and inspected. A total of 33 wells were not located during 2022 field activities. Reasons for not locating wells included: unavailability of an airfield escort, time constraints, dense/overgrown vegetation, other access issues, and the absence of any well at the given coordinates. The locations of wells that were not found or visited during the 2022 well inventory are included on **Plate 1**. Efforts to locate and inspect these wells shall continue throughout the ensuing years of this contract and the well inventory will be updated accordingly. As noted in the 2021 Well Inspection Technical Memorandum (Bhate, August 2022), wells that are not located for three consecutive years will be removed from the well inventory. The 2022 well inventory for the former Griffiss AFB includes 348 wells as presented in **Table 1**.

WELL MAINTENANCE PERFORMED IN 2022

In 2022, numerous maintenance tasks were performed, complete details can be found in **Table 1**. At least one maintenance task was performed at 58 wells in 2022. Many of these wells had more than one maintenance task performed in 2022.

- Overgrown vegetation was removed from the well pads or surrounding areas at 36 wells.
- A cap or j-plug was added or replaced at 16 wells.
- Bollards were repaired or painted at seven wells.
- Identification (ID) markings were added or renewed at five wells.
- A lock was added or replaced at four wells.
- New bolts were added to four wells.

WELL MAINTENANCE PLANNED FOR 2023

The 2022 well inventory inspections identified 55 wells that will require various maintenance or repairs. The details are provided in **Table 1**. The following issues with wells at former Griffiss AFB should be addressed in 2023.

- Renew fading or indistinct ID markings or add new ID markings (17 locations)
- Re-survey prior to groundwater elevation measurements – some wells may require other repairs prior to being re-surveyed (17 locations)
- Add a new lock (6 locations)
- Remove extensive vegetation to access the well (5 locations)
- Re-develop the well (5 locations)
- Repair or replace the well vault or stick up (3 locations)
- Repair or replace a protective bollard(s) (2 locations)
- Abandon destroyed wells G009-MW03 and 789MW-103 (2 locations)
- Replace a well plug (1 location)
- Repair concrete well pad (1 location)
- Repair uneven PVC top of casing (TOC) (1 location)
- Fill animal burrow under well pad (1 location)
- Add a new flush mount well lid (1 location)

Note that some well locations have more than one of the issues listed above.

WELL DISCREPANCIES

No new well discrepancies were found during the 2022 well inventory. The previously observed well discrepancies are given below.

As-built depth information was not available in the United States Air Force (USAF) Environmental Resources Program Information Management System (ERPIMS) database for four wells included in this well inventory: 775VMW-19R, 782VMW-121, 782VMW-121D, and 782VMW-84D. The total depth and screened interval presented in **Table 1** for these wells were drawn from field notes contained in the *Final Interim Remedial Action Completion Report for Remedy-in-Place and Construction Complete for the On-Base Groundwater Area of Concern (SD-52)* (EEEPC/Parsons, August 2011).

The as-built depth for monitoring well LF6TW-33 was incorrectly listed in ERPIMS as 25 feet (ft) below ground surface (bgs) with a screened interval of 15 to 25 ft bgs. The total depth of this well was measured at 42.34 ft below TOC (38.77 ft bgs) during the Fall 2018 groundwater LTM event. In reviewing previous groundwater sampling forms, a total depth of approximately 42 ft below TOC (38.43 ft bgs) has been consistently recorded for this well. Additionally, the as-built depths within ERPIMS for monitoring wells LF6TW-34 through LF6TW-38 were incorrectly listed as 25 ft bgs with screened intervals of 15 to 25 ft bgs. In 2018 the total depths of these wells were measured to be in excess of 47 ft below TOC, with the exception of LF6TW-37, which was not gauged or sampled. The as-built total depth and screened interval presented in **Table 1** for these wells were drawn from the *Technical Memorandum for Predesign Investigation 2 (Additional Investigations at Landfill 6 and AOC9)* (Parsons, May 2007).

The ground surface elevation and TOC elevation within ERPIMS for monitoring well AOC9-MW05 were reversed. As this well was field confirmed as being a flushmount completion, the ground surface and TOC elevations presented in **Table 1** are the opposite of what is contained in ERPIMS (i.e., the top of the well casing could not be above the ground surface in a flushmount completion). The ground surface elevation for monitoring well AOC9MW-17 was listed in ERPIMS as 587.51 ft above mean sea level (amsl) (which would be 98.07 ft above TOC). Following review of the *Final Additional AOC9 Predesign Investigation Data Summary Report, Former Griffiss Air Force Base* (EEEPC/Parsons, November 2007) this was confirmed as being an ERPIMS data entry error. The ground surface elevation for monitoring well AOC9MW-17 represented in **Table 1** was revised to 487.51 ft amsl to be consistent with information presented in the Predesign Investigation Data Summary Report (EEEPC/Parsons, November 2007). ERPIMS also contained identical ground surface and TOC elevations at four monitoring wells with stick-up surface completions (G009-MW01, -MW02, -MW03, and -MW04). As alternate survey information is not readily available, these identical ground surface and TOC elevations are presented in **Table 1**. G009-MW03 is damaged and recommended for abandonment, but the other locations (G009-MW01, G009-MW02, and G009-MW04) will be included for a new elevation survey during the next surveyor mobilization to former Griffiss AFB.

Monitoring wells 782MW-1 and 782MW-3 were listed as previously decommissioned in the *Well Decommissioning Report NYSDEC Spill Number 9413416 SD041/Nosedocks 1 and 2, Former Griffiss Air Force Base, Rome, New York* (AECOM/Cape, May 2016). 782MW-1 was located and identified as an existing well in 2016, 2017, and 2018. The location was inaccessible due to snow cover at the time of the 2019 inspection but was identified during the 2020 and 2021 inspections. Similarly, 782MW-3 was also located during the 2018, 2019, and 2021 inspections.

Monitoring wells WSAMW-11 and WSAMW-11BR previously had the same northing and easting

coordinates in **Table 1** as well as the same ground and casing elevations. This was noted in the *Final Technical Memorandum 2017 Annual Well-Inspection Survey and Well Maintenance Report Former Griffiss Air Force Base Rome, New York* (Bhate, May 2018) and determined through report research that WSAMW-11 was the correct nomenclature for the well at the given coordinates. However, two wells were identified in the field with outer casing identifications WSAMW-11 and WSAMW-11BR during the 2018 inspection and were in close proximity, with WSAMW-11BR located approximately 25 ft south of WSAMW-11 (see **Plate 1**). The well identified as WSAMW-11BR has an internal identification of WSAMW-15. There is no well WSAMW-15 in the well inventory. An attempt to investigate this discrepancy was made in 2019, however the locks were frozen at the time of inspection and could not be opened. In 2020 the internal and external IDs were verified as WSAMW-15 and WSAMW-11BR, respectively. In 2022, the approximate location of WSAMW-11BR was noted by field personnel and this location is used to indicate the location of the well on **Plate 1** and to update the location data in **Table 1**.

Twelve monitoring wells (781MW-1, -4, -5, -6, -9, -10, -12, -14, -16, -17, -18, and -19) at Site SS054 were converted to sparge wells in 2012. This conversion added a pipe inside the original casing that extended above the original TOC. This new casing extension was used for gauging the depth to water which resulted in erroneous groundwater elevation calculations since 2012. On 28 November 2018, a survey was completed for 32 wells at SS054: 781MW-1 through -13, -13R, -14 through -21, 781PPRW-1 through -9, and 781PAIW-1. The ground elevations for these locations that are listed in **Table 1** are the values from the 2018 survey. The extended inner casing elevations for 10 wells (781MW-1, -5, -6, -9, -10, -12, -16, -17, -18, and -19) were also surveyed at that time and used to calculate accurate groundwater elevations. However, these elevations were not added to **Table 1** as they were considered temporary and not a true TOC. By the end of 2019, 10 of the 12 sparge pipes had been removed and the two remaining (in monitoring wells 781MW-5 and 781MW-18) were considered to be irretrievable. The TOC values for the converted wells reported in **Table 1** are the original well casing elevations, not the sparge tube elevations (with the exception of 781MW-4 and 781MW-14, which had the sparge tubes removed prior to the 28 November 2018 survey). The TOC values for 16 wells (781MW-2, -3, -7, -8, -11, -13, -13R, -15, -20, -21, 781PPRW-3, -5, -6, -8, -9, and 781PAIW-1) surveyed at Site SS054 on 28 November 2018 have also been updated in **Table 1**.

WELL INSTALLATIONS

Well installations occurred at two sites associated with the former Griffiss AFB during concurrent investigations conducted during the Summer and Fall of 2022. At Site SS062 (Area of Concern [AOC] 9), five new monitoring wells (AOC9MW-20 through AOC9MW-24) were installed as part of a Supplemental Investigation. At Site SS067 (Building 789), five new monitoring wells (789MW-253 through 789MW-257) were installed as part of a Data Gap Investigation. Survey of these monitoring wells was completed in January 2023. Locations for these new wells are shown on **Plate 1** and detailed in **Table 1**.

WELL DECOMMISSIONING

No wells were officially decommissioned during 2022.

WELLS RECOMMENDED FOR REMOVAL FROM THE INVENTORY

Two wells are recommended for removal from the 2022 well inventory (**Table 2**):

1. In 2020, 2021, and 2022, it was reported that no evidence of temporary well AOC9TW-26 was found at the given coordinates.
2. Monitoring well MW04002 has not been found at the given coordinates since 2019. In 2020, 2021, and 2022, field personnel reported that it appears to have been covered with soil or asphalt.

Five other wells were not located during the last three annual well inventories: MW10001, MW10002, MW10003, MW11003, and ANGWM-1. These wells technically met the criteria for removal as they were not located for three consecutive years. However, the reasons for not locating these wells over the last 3 years were often associated with time constraints on travel during the Covid 19 pandemic, unusually overgrown vegetation, and unavailability of an airfield escort during the time of the fall inventory efforts. Additionally, field personnel knowledge of these wells indicates they are likely to still be present.

RECOMMENDATIONS

Well inventory activities for 2023 will focus on:

- Removal of monitoring wells MW10001, MW10002, MW10003, MW11003, and ANGMW-1 is not recommended. Instead, prioritization will be given to locating these wells and all wells that were not located and inspected during the 2021 and 2022 well inventories. These wells should be located and inspected, and any maintenance issues resolved at the time of their inspection.
- Maintenance and repair of wells as detailed above in “Well Maintenance Planned for 2023”. Priority should be given to any maintenance tasks that were not addressed in 2022, such as the wells that need to be re-surveyed prior to groundwater level measurements.
- Surveying of monitoring well WSAMW-11BR should take place in Spring 2023 and subsequently the well inventory and ERPIMS should be updated.
- Two wells, G009-MW03 and 789MW-103, have sustained severe damage from being hit by tractor mowers. They are not repairable and should be properly abandoned and decommissioned. Any recommendation regarding the possible replacement of these wells is beyond the scope of this inventory.

Following the 2023 well inventory, Bhate will compile a list of wells located throughout the former Griffiss AFB that have been proposed as candidates for decommissioning in the future. These proposals, if made, will be presented with the 2023 well inventory reporting.

REFERENCES

AECOM/Cape. September 2015a. *Final Well Decommissioning Report NYSDEC Spill Number 9707954 SS063/Apron 1, Former Griffiss Air Force Base Rome, New York.*

AECOM/Cape. September 2015b. *Final Well Decommissioning Report NYSDEC Spill Number 8910168 SS066/Building 786, Former Griffiss Air Force Base Rome, New York.*

AECOM/Cape. September 2015c. *Final Well Decommissioning Report NYSDEC Spill Number 9706957 SS068-Building 7001 Former Griffiss Air Force Base Rome, New York.*

AECOM/Cape. December 2015. *Final Well Decommissioning Report NYSDEC Spill Number 9713631 SS064/Apron 2 Former Griffiss Air Force Base Rome, New York.*

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Bhate. August 2022. *Final Technical Memorandum 2021 Annual Well-Inspection Survey and Well Maintenance, Former Griffiss Air Force Base, Rome, New York.*

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EEEPC/Parsons. August 2011. *Final Interim Remedial Action Completion Report for Remedy-in-Place and Construction Complete for the On-Base Groundwater Area of Concern (SD-52) at the Former Griffiss Air Force Base*. (AR 2334.1).

EEEPC. January 2015. *Final Interim Remedial Action Completion Report for Remedy-In-Place and Construction Complete for the Area of Concern 9 (SD-62), at the Former Griffiss Air Force Base.*

FPM. January 2004, Revision 1.0. *Draft Well Decommissioning Report, Former Griffiss Air Force Base, Long-Term Monitoring Program*. (AR 1819).

FPM. January 2010, Revision 1.0. *Well Decommissioning Report Round 4 and Round 5 Long Term Monitoring Program Former Griffiss Air Force Base Rome, New York*. (AR 2091).

Law Environmental. May 1991. *Baseline On-Base Monitoring Well Inspection Report (Preliminary Assessment of Wells) at Griffiss Air Force Base New York*. (AR 077).

Parsons. May 2007. *Technical Memorandum for Predesign Investigation 2 (Additional Investigations at Landfill 6 and AOC9) Former Griffiss Air Force Base Rome, New York*. (AR 2175).

Wood. August 2018. *Monitoring Well Inventory Report, Former Griffiss Air Force Base, New York.*

Wood. November 2018. *Final Site Inspection Report For Aqueous Film Forming Foam (AFFF) Areas Former Griffiss Air Force Base, New York.*

TABLES

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Table 1
2022 Well Inventory
Former Griffiss Air Force Base

Count	Well ID	Sampled in 2022 (Yes/No)	Well Type	Well Use	IRP Site	Northing	Easting	Casing Type	Inspection Date	Well Located (Yes/No)	Well Abandoned (Yes/No)	Surface Completion Type	Well ID (Yes/No)	Concrete Pad Condition	Lock Present (Yes/No)	Well Cap Present (Yes/No)	As-Built Depth (ft bgs)	Ground Elevation (ft amsl)	TOC Elevation (ft amsl)	Stickup Height (ft)	Last Measured Depth (ft btoc)	Last Calculated Depth (ft bgs)	Dif.	Screened Interval (ft bgs)	Screen Length	Screen Silted	Needs Redevelopment	2022 Field remarks	Future Actions/Repairs Needed	Justification for Not Identifying Well in 2022	General Comments and Comments Carried Over From Previous Well Inventories
1	ANGMW-1	No	Monitoring Well	Not Used	FT030	1182056.00	1130500.00	2" PVC	Not inspected 2022	No	No	Flushmount	No*	Good*	No*	Yes*	18.0							8.0 - 18.0	10.0			Airfield escort unavailable.	Add ID. Add lock.	Airfield escort unavailable.	Last visited in 2019.
2	LF1P-2	Yes	Monitoring Well	LF001-LTM	LF001	1183682.00	1132543.00	4" PVC	12/6/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	13.0	502.31	504.18	1.87	14.52	12.65	-0.35	8.0 - 13.0	5.0						
3	LF1P-3	No	Monitoring Well	LF001-LTM	LF001	1183270.00	1132922.00	4" PVC	10/6/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes*	17.0	506.13	512.5					12.0 - 17.0	5.0			Lock won't take key.	Replace lock.		
4	LF1P-5	Yes	Monitoring Well	LF001-LTM	LF001	1183482.00	1132160.00	4" PVC	12/7/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	20.0	494.91	496.94	2.03	20.68			15.0 - 20.0	5.0			Pump in well.			Pump present. Access is difficult.
5	LF1MW-5	No	Monitoring Well	LF001-LTM	LF001	1183506.00	1132374.00	4" PVC	10/6/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	20.0	494.74	496.51	1.77				10.0 - 20.0	10.0			Could not unlock well. Needs to be cut.	Replace lock.		Access is difficult.
6	LF1MW-6	Yes	Monitoring Well	LF001-LTM	LF001	1183754.00	1132441.00	4" PVC	12/6/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	15.0		499.15		16.53			5.0 - 15.0	10.0						Beaver pond prevents access during most of the year.
7	LF1MW-10	No	Monitoring Well	LF001-LTM	LF001	1183544.31	1132764.36	2" SS	10/6/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	30.0	528.08	530.65	2.57				20.0 - 30.0	10.0			Pump in well. Vegetation overgrown.	Remove overgrown vegetation.		Pump present.
8	LF1MW-11	Yes	Monitoring Well	LF001-LTM	LF001	1184166.39	1132207.50	2" SS	12/7/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	12.5	499.38	502.08	2.70				2.5 - 12.5	10.0			Tubing present. Riser is too high for lid to close properly.			Difficult access. Riser is too high for lid to close properly.
9	LF1MW-12	No	Monitoring Well	LF001-LTM	LF001	1184381.05	1132127.83	2" SS	10/6/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	13.0	501.82	504.38	2.56				3.0 - 13.0	10.0			Pump in well.			Pump present. Difficult access.
10	LF1MW-13	Yes	Monitoring Well	LF001-LTM	LF001	1183192.36	1132127.04	2" SS	12/6/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	20.0	492.91	495.33	2.42	21.03	18.61	1.39	10.0 - 20.0	10.0			Removed overgrown vegetation.			
11	LF1MW-14	No	Monitoring Well	LF001-LTM	LF001	1184033.70	1131755.80	2" SS	10/6/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	12.5	501.44	504.34	2.90				2.5 - 12.5	10.0			Riser is too high for lid to close properly.			Riser is too high for lid to close properly.
12	LF1MW-103	Yes	Monitoring Well	LF001-LTM	LF001	1183707.24	1132550.91	2" SS	12/7/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	32.8	505.27	507.93	2.66	35.30	32.64	0.16	22.8 - 32.8	10.0						
13	MWSAR03	Yes	Monitoring Well	LF001-LTM	LF001	1183824.00	1133585.00	2" PVC	12/7/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	22.0	533.28	535.09	1.81	24.88	23.07	-1.07	12.0 - 22.0	10.0			Pump in well.			Pump present.
14	LF2MW-4	No	Monitoring Well	LF002-LTM	LF002	1177293.00	1139871.00	2" PVC	10/15/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	38.8	553.54	555.02	1.48				28.9 - 38.8	10.0			Pump in well.			Pump present.
15	LF2MW-12	No	Monitoring Well	LF002-LTM	LF002	1176923.27	1139287.75	2" SS	10/15/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	18.0	527.14	529.50	2.36				8.0 - 18.0	10.0						
16	LF2MW-13	No	Monitoring Well	LF002-LTM	LF002	1177362.29	1139036.66	2" Steel	10/15/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	14.5	522.50	524.48	1.98				4.5 - 14.5	10.0			Removed pump from well. Added rubber slip cap.			
17	LF2MW-14	No	Monitoring Well	LF002-LTM	LF002	1177793.86	1140216.73	2" SS	10/15/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	15.5	536.85	539.57	2.72				5.5 - 15.5	10.0			Replaced lock.			
18	LF2MW2-1	No	Monitoring Well	LF002-LTM	LF002	1177656.00	1139216.00	4" PVC	10/15/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	32.0							22.0 - 32.0	10.0			2 wells in close proximity with same ID: 4" PVC & unknown 2" PVC. Added 2" cap and new lock to unkown 2" well.			
19	LF2MW-100	No	Monitoring Well	LF002-LTM	LF002	1176912.42	1139303.67	2" SS	10/15/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	64.0	526.58	529.20	2.62				54.0 - 64.0	10.0						
20	LF7MW-22	No	Monitoring Well	LF003-LTM	LF003	1178159.21	1136704.00	2" SS	10/18/2022	Yes	No	Flushmount	No	Good	No	Yes	10.9	485.10	486.63	1.53				6.0 - 10.9	4.9			Located vault. Removed grass from pad. Replaced Cap.			Vault prevents lock placement but lock is inside airport fence line.
21	LF7MW-23	No	Monitoring Well	LF003-LTM	LF003	1177765.45	1137119.19	2" PVC	10/18/2022	Yes	No	Flushmount	No	Good	No	Yes	14.0	486.04	487.83	1.79				4.0 - 14.0	10.0			Red plastic pipe at location. Located vault. Removed grass from pad. Replaced Cap.			Red plastic pipe at location. Vault prevents lock placement but lock is inside airport fence line.
22	LF7MW-26	No	Monitoring Well	LF003-LTM	LF003	1178060.22	1137047.43	2" SS	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	16.5	499.77	502.03	2.26				6.5 - 16.5	10.0			Replaced loose fitting j-plug with rubber cap.			
23	LF7MW-27	No	Monitoring Well	LF003-LTM	LF003	1178508.12	1136579.73	2" SS	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	12.5	501.36	503.41	2.05				2.5 - 12.5	10.0			Pump in well.	Re-survey.		Pump present. Re-survey prior to groundwater water elevation measurement.
24	LF7MW-28	No	Monitoring Well	LF003-LTM	LF003	1177972.90	1136790.61	2" SS	10/18/2022	Yes	No	Flushmount	No	Good	No	Yes	11.5	485.81	487.83	2.02				1.5 - 11.5	10.0			Located vault. Removed overgrown grass from pad. Replaced old j-plug with rubber cap. Added/replaced bolts.			
25	LF7MW-29	No	Monitoring Well	LF003-LTM	LF003	1178541.35	1137510.34	2" SS	10/6/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	21.0	522.46	525.56	3.10				11.0 - 21.0	10.0			Pump in well.			Pump present.
26	LF7MW-30	No	Monitoring Well	LF003-LTM	LF003	1177806.46	1137473.59	2" SS	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	11.5	494.39	496.17	1.78				1.5 - 11.5	10.0			Pump in well. Removed overgrown vegetation.			Pump present.
27	LF7MW-100	No	Monitoring Well	LF003-LTM	LF003	1178139.99	1136973.28	4" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	43.0	500.99	503.57	2.58				33.0 - 43.0	10.0						No bollards present.
28	LF5MW-1A	No	Monitoring Well	LF007-LTM	LF007	1173976.70	1133819.84	2" PVC	10/17/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	22.9	476.15	478.50	2.35				12.9 - 22.9	10.0						
29	LF5MW-3	No	Monitoring Well	LF007-LTM	LF007	1173953.00	1133260.00	2" PVC	10/17/2022	No	No	Stick-up	Yes*	Good*	Yes*	Yes*	13.2	460.31	462.45	2.14				3.2 - 13.2	10.0			Tall brush prevented access.	Remove overgrown vegetation.	Vegetation.	
30	LF5MW-4	No	Monitoring Well	LF007- not used	LF007	1173569.42	1133541.14	2" PVC	10/17/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	14.8	457.43	459.66	2.23				2.0 - 12.0	10.0			Replaced j-plug.			
31	LF5MW-5	No	Monitoring Well	LF007-LTM	LF007	1173619.07	1133630.64	2" SS	10/17/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	12.0	459.58	461.49	1.91				2.0 - 12.0	10.0			Pump in well.			Pump present.
32	MW49D07	No	Monitoring Well	LF007-LTM	LF007	1173539.00	1133247.00	2" PVC	10/17/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	14.0	457.07	459.51	2.44				4.0 - 14.0	10.0			Cleared brush.			
33	LF5MW-100R	No	Monitoring Well	LF007-LTM	LF007	1173686.99	1133338.49	2" SS	10/17/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	67.4	447.63	450.76	3.13				57.4 - 67.4	10.0			Replaced plug with J-plug.			
34	SD052-04-IW01	No	Injection Well	SD052-LF6/ Injections only	SD052-04	1172408.40	1134923.80	2" PVC	10/18/2022	Yes	No	Stick-up	No	Good	Yes	Yes	53.9	455.60	458.79	3.19				33.7 - 53.7	20.0			2" male cam plug present.			TOC is female cam.
35	SD052-04-IW02	No	Injection Well	SD052-LF6/ Injections only	SD052-04	1172389.80	1134939.70	2" PVC	10/18/2022	Yes	No	Stick-up	No	Good	Yes	Yes	55.3	455.00	457.13	2.13				35.1 - 55.1	20.0			2" male cam plug present.			TOC is female cam.
36	SD052-04-IW03	No	Injection Well	SD052-LF6/ Injections only	SD052-04	1172393.30	1134950.40	2" PVC	10/18/2022	Yes	No	Stick-up	No	Good	Yes	Yes	53.5	457.68	455.40	-2.28				33.3 - 53.3	20.0			2" male cam plug present.			TOC is female cam.
37	SD052-04-IW04	No	Injection Well	SD052-LF6/ Injections only	SD052-04	1172449.40	1134992.70	2" PVC	10/18/2022	Yes	No	Stick-up	No	Good	Yes	Yes	54.8	457.40	459.15	1.75				34.6 - 54.6	20.0			J-plug fits loosely in the female cam.	Add 2" male cam plug.		TOC is female cam.
38	LF6IW-01	No	Injection Well	SD052-LF6/ Injections only	LF009	1172402.36	1134947.75	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	47.0	455.70	457.69	1.99				37.0 - 47.0	10.0						
39	LF6IW-02	No	Injection Well	SD052-LF6/ Injections only	LF009	1172401.39	1134941.80	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	55.0	455.45	457.41	1.96				45.0 - 55.0	10.0			When cap was removed, well 'burped' white foam for several minutes. Appeared to be fermented injection fluids.			
40	LF6IW-03	No	Injection Well	SD052-LF6/ Injections only	LF009	1172396.27	1134953.35	2" PVC	10/18/2022	Yes	No	Stick-up	No	Good	Yes	Yes	55.0	455.80	457.62	1.82				45.0 - 55.0	10.0			ID faded.	Renew ID.		
41	LF6IW-04	No	Injection Well	SD052-LF6/ Injections only	LF009	1172401.15	1134956.96	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	55.0	456.43	458.77	2.34				45.0 - 55.0	10.0						
42	LF6IW-05	No	Injection Well	SD052-LF6/ Injections only	LF009	1172400.69	1134930.30	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	47.0	455.26	456.97	1.71				37.0 - 47.0	10.0						
43	LF6IW-06	No	Injection Well	SD052-LF6/ Injections only	LF009	1172396.53	1134935.76	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	55.0	455.50	457.67	2.17				45.0 - 55.0	10.0						
44	LF6MW-1	No	Monitoring Well	LF009-LTM	LF009	1172661.00	1135717.00	2" PVC	10/19/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	67.3	518.12	519.33	1.21				57.3 - 67.3	10.0						
45	LF6MW-12	Yes	Monitoring Well	LF009-LTM	LF009	1172397.87	1134944.13	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	51.0	455.61	457.59	1.98	53.24	51.26		41.0 - 51.0	10.0	0.00%	No	Pump in well.			Pump present.
46	LF6MW-13RD	Yes	Monitoring Well	SD052-LF6/LTM	LF009	1172084.49	1134909.71	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	N/A	Yes	Yes	40.0	451.51	453.41	1.90	41.13	39.23	0.8	20.0 - 40.0	20.0	3.85%	No	Pump in well.			Pump present.

Table 1
2022 Well Inventory
Former Griffiss Air Force Base

Count	Well ID	Sampled in 2022 (Yes/No)	Well Type	Well Use	IRP Site	Northing	Easting	Casing Type	Inspection Date	Well Located (Yes/No)	Well Abandoned (Yes/No)	Surface Completion Type	Well ID (Yes/No)	Concrete Pad Condition	Lock Present (Yes/No)	Well Cap Present (Yes/No)	As-Built Depth (ft bgs)	Ground Elevation (ft amsl)	TOC Elevation (ft amsl)	Stickup Height (ft)	Last Measured Depth (ft btoc)	Last Calculated Depth (ft bgs)	Dif.	Screened Interval (ft bgs)	Screen Length	Screen Silted	Needs Redevelopment	2022 Field remarks	Future Actions/Repairs Needed	Justification for Not Identifying Well in 2022	General Comments and Comments Carried Over From Previous Well Inventories
47	LF6MW-14BR	No	Monitoring Well	Not Used	LF009	1172017.01	1135059.12	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	No	Yes	112.5	454.17	456.61	2.44				102.5 - 112.5	10.0			Pump in well.	Replace lock.		Pump present.
48	LF6MW-16	Yes	Monitoring Well	SD052-LF6/LTM	LF009	1172393.53	1134940.32	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	47.0	455.41	457.39	1.98	49.10	47.12	-0.1	37.0 - 47.0	10.0	0.00%	No				
49	LF6MW-17	Yes	Monitoring Well	SD052-LF6/LTM	LF009	1172392.96	1134947.91	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	55.0	456.04	457.96	1.92	56.67	54.75	0.25	45.0 - 55.0	10.0	2.50%	No				
50	LF6MW-18	No	Monitoring Well	Not Used	LF009	1172377.76	1134946.07	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	47.0	455.59	457.47	1.88				37.0 - 47.0	10.0						
51	LF6MW-19	No	Monitoring Well	Not Used	LF009	1172384.58	1134953.47	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	55.0	455.83	457.70	1.87				45.0 - 55.0	10.0						
52	LF6MW-20	Yes	Monitoring Well	SD052-LF6/LTM	LF009	1172390.70	1134934.67	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	51.0	455.35	457.31	1.96	52.91	50.95	0.0	41.0 - 51.0	10.0	0.50%	No				
53	LF6MW-27	No	Monitoring Well	Not Used	LF009	1172473.54	1134837.28	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	55.0	453.46	455.48	2.02				35.0 - 55.0	20.0			Pump in well.			Pump present.
54	LF6MW-28	No	Monitoring Well	Not Used	LF009	1172500.73	1134993.37	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	45.0	455.78	457.03	1.25				25.0 - 45.0	20.0			Pump in well.			Pump present.
55	LF6MW-29	No	Monitoring Well	Not Used	LF009	1172485.75	1135172.31	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	37.0	466.62	468.54	1.92				17.0 - 37.0	20.0			Pump in well.			Pump present.
56	LF6MW-30	No	Monitoring Well	Not Used	LF009	1172383.69	1135083.41	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	45.0	459.13	461.04	1.91				25.0 - 45.0	20.0			Pump in well.			Pump present.
57	LF6MW-31	No	Monitoring Well	SD052-LF6/LTM	LF009	1172368.48	1134875.43	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	55.0	453.20	455.17	1.97	57.35	55.38	-0.4	35.0 - 55.0	20.0	0.00%	No	Pump in well.			Pump present.
58	LF6MW-32	No	Monitoring Well	Not Used	LF009	1172224.69	1135166.03	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	44.5	462.67	464.56	1.89				34.5 - 44.5	10.0			Pump in well.			Pump present.
59	LF6MW-39	Yes	Monitoring Well	SD052-LF6/LTM	LF009	1172082.35	1135006.96	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	32.0	456.70	458.50	1.80	32.0	30.2	1.8	22.0 - 32.0	10.0	18.00%	No	Pump in well.			Pump present.
60	LF6TW-33	Yes	Temporary Monitoring Well	SD052-LF6/LTM	LF009	1172409.41	1134923.99	1" PVC	10/18/2022	Yes	No	Stick-up	Yes	N/A	N/A	Yes	39.0	456.17	459.74	3.57	42.39	38.82	0.18	19.0 - 39.0	20.0	0.90%	No				Cap does not lock.
61	LF6TW-34	Yes	Temporary Monitoring Well	SD052-LF6/LTM	LF009	1172448.34	1134987.84	1" PVC	10/18/2022	Yes	No	Stick-up	No	N/A	N/A	Yes	55.0	457.60	460.00	2.40	55.66	53.26	1.7	35.0 - 55.0	20.0	8.70%	No				Painted red. Cap does not lock.
62	LF6TW-35	Yes	Temporary Monitoring Well	SD052-LF6/LTM	LF009	1172393.30	1135014.77	1" PVC	10/18/2022	Yes	No	Stick-up	No	N/A	N/A	Yes	55.0	457.39	459.27	1.88	47.7	45.82	9.2	35.0 - 55.0	20.0	45.90%	No				Red marking tape. Cap does not lock.
63	LF6TW-36	Yes	Temporary Monitoring Well	SD052-LF6/LTM	LF009	1172338.33	1134950.04	1" PVC	10/18/2022	Yes	No	Stick-up	No	N/A	N/A	Yes	55.0	455.08	459.08	4.00	57.84	53.84	1.2	35.0 - 55.0	20.0	5.80%	No				Red marking tape. Cap does not lock.
64	LF6TW-37	No	Temporary Monitoring Well	Not Used	LF009	1172337.31	1135007.88	1" PVC	10/18/2022	Yes	No	Stick-up	No	N/A	N/A	Yes	55.0	455.98	459.35	3.37				35.0 - 55.0	20.0						Red marking tape. Cap does not lock.
65	LF6TW-38	Yes	Temporary Monitoring Well	SD052-LF6/LTM	LF009	1172288.45	1134986.99	1" PVC	10/18/2022	Yes	No	Stick-up	Yes	N/A	N/A	Yes	55.0	457.35	460.53	3.18	57.3	54.12	0.9	35.0 - 55.0	20.0	4.40%	No				Red marking tape. Cap does not lock.
66	LF6VMW-10R2	No	Monitoring Well	LF009-LTM	LF009	1172210.55	1135288.97	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	35.0	464.20	466.14	1.94				25.0 - 35.0	10.0			Pump in well.			Pump present.
67	LF6VMW-13R	Yes	Monitoring Well	SD052-LF6/LTM	LF009	1172095.12	1134923.10	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	37.0	453.12	454.66	1.54	37.7	36.16	0.8	17.0 - 37.0	20.0	4.20%	No	Pump in well.			Pump present.
68	LF6VMW-14	No	Monitoring Well	Not Used	LF009	1172000.51	1135036.68	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes*	42.0	452.69	454.87	2.18				22.0 - 42.0	20.0			Lock won't take key.	Replace lock.		
69	LF6VMW-15R	No	Monitoring Well	Not Used	LF009	1171960.35	1135290.01	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	40.0	464.42	466.61	2.19				30.0 - 40.0	10.0			Pump in well.			Pump present.
70	LF6VMW-17D	No	Monitoring Well	LF009-LTM	LF009	1172076.60	1135535.30	2" SS	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	50.0	465.10	467.18	2.08				40.0 - 50.0	10.0			Pump in well.			Pump present.
71	LF6VMW-17S	No	Monitoring Well	LF009-LTM	LF009	1172097.90	1135538.30	2" SS	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	16.0	464.88	466.69	1.81				6.0 - 16.0	10.0			Pump in well. SS riser is crushed inward ~1 ft down.			Pump present. SS riser is crushed inward ~1 ft down.
72	LF6VMW-18	No	Monitoring Well	LF009/LTM	LF009	1171848.40	1135825.10	2" SS	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	55.0	460.98	463.15	2.17				45.0 - 55.0	10.0			Pump in well.			Pump present.
73	LF6VMW-19	No	Monitoring Well	LF009/LTM	LF009	1171788.90	1136060.80	2" SS	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	30.0	460.25	461.75	1.50				20.0 - 30.0	10.0			Replaced lock.	Re-survey.		Northing/easting is incorrect - well is actually located 25 ft directly south of GMP-9.
74	LF6VMW-20	No	Monitoring Well	LF009/LTM	LF009	1171846.50	1136385.50	2" SS	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	70.5	461.96	464.79	2.83				60.5 - 70.5	10.0			Replaced lock. Removed overgrown vegetation.			
75	LF6VMW-21	No	Monitoring Well	LF009-LTM	LF009	1172188.00	1136190.50	2" SS	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	70.5	495.43	497.74	2.31				60.5 - 70.5	10.0			Pump in well.			Pump present.
76	LF6VMW-22	No	Monitoring Well	LF009-LTM	LF009	1172260.50	1135381.60	2" SS	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	40.0	465.71	467.64	1.93				30.0 - 40.0	10.0			Pump in well.			Pump present.
77	LF6VMW-23	No	Monitoring Well	LF009-LTM	LF009	1172406.00	1135269.20	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	50.3	467.64	469.65	2.01				40.3 - 50.3	10.0			Pump in well.			Pump present.
78	LF6VMW-24	No	Monitoring Well	LF009-LTM	LF009	1172533.20	1135097.50	2" SS	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	51.0	463.25	465.76	2.51				41.0 - 51.0	10.0			Pump in well.			Pump present.
79	LF6VMW-25	No	Monitoring Well	LF009-LTM	LF009	1172589.50	1134850.20	2" SS	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	49.0	455.60	457.69	2.09				39.0 - 49.0	10.0			Pump in well.			Pump present.
80	LF6VMW-26	Yes	Monitoring Well	SD052-LF6/LF009-LTM	LF009	1172226.72	1134927.56	2" SS	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	55.0	455.08	457.90	2.82	55.61	52.79	2.21	45.0 - 55.0	10.0	22.10%	No	Pump in well.			Pump present.
81	TMCMW-9	No	Monitoring Well	LF009/LTM	LF009	1172582.00	1134859.00	4" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	28.0	455.48	457.16	1.68				18.0 - 28.0	10.0			Pump in well.			Pump present.
82	TMC-USGS-2	No	Monitoring Well	LF009/LTM	LF009	1171621.00	1135667.00	2" PVC	Not inspected 2022	No	No	Stick-up	Yes*	N/A	Yes*	Yes*	26.5	452.61	455.11	2.50				24.0 - 26.5	2.5			Did not visit in 2022. Time Constraint.	Re-survey.	Time constraint.	PVC stick up only. No outer casing or bollards. Re-survey prior to water level measurements.
83	LAWMW-19	No	Monitoring Well	Not Used	NA	1171023.00	1137732.00	2" PVC	10/18/2022	Yes	No	Stick-up	Yes - USGS	Good	Yes - USGS	Yes - USGS	51.8	489.97	491.76	1.79				41.8 - 51.8	10.0						USGS monitoring equipment on well. No access to well head.
84	TMC-USGS-1	No	Monitoring Well	Not Used	NA	1171250.00	1135344.00	2" PVC	Not inspected 2022	No	No	Stick-up	Unknown	N/A	Unknown	Unknown	21.5	454.91	457.81	2.90				19.0 - 21.5	2.5			Did not visit in 2022. Time Constraint.		Time constraint.	
85	782MW-1	No	Monitoring Well	Supposedly Decommissioned	SD052-01	1175125.90	1137634.60	2" PVC	Not inspected 2022	No	No	Flushmount	Yes*	Good*	Yes*	Yes*	32.7	473.76	473.58	-0.18				22.7 - 32.7	10.0			Did not visit in 2022. Airfield escort unavailable.		Airfield escort unavailable.	Well listed in historical report as being "previously decommissioned" (AECOM/Cape, May 2016) but well was identified during 2016, 2017, 2018, 2020, and 2021 field inspections.
86	782MW-1R	No	Monitoring Well	Retained for PFC Investigation	SD052-01	1175131.00	1137630.00	2" PVC	Not inspected 2022	No	No	Flushmount	Yes*	Good*	Yes*	Yes*	28.3	473.62	473.38	-0.24				18.3 - 28.3	10.0			Did not visit in 2022. Airfield escort unavailable.		Airfield escort unavailable.	
87	782MW-3	No	Monitoring Well	Supposedly Decommissioned	SD052-01	1175289.30	1137307.59	2" PVC	Not inspected 2022	No	No	Flushmount	Yes*	Good*	No*	Yes*	19.0	473.81	473.49	-0.32				9.0 19.0	10.0			Did not visit in 2022. Airfield escort unavailable.		Airfield escort unavailable.	Well listed in historical report as being "previously decommissioned" (AECOM/Cape, May 2016) but well was identified during 2018, 2019, and 2021 field inspections.

Table 1
2022 Well Inventory
Former Griffiss Air Force Base

Count	Well ID	Sampled in 2022 (Yes/No)	Well Type	Well Use	IRP Site	Northing	Easting	Casing Type	Inspection Date	Well Located (Yes/No)	Well Abandoned (Yes/No)	Surface Completion Type	Well ID (Yes/No)	Concrete Pad Condition	Lock Present (Yes/No)	Well Cap Present (Yes/No)	As-Built Depth (ft bgs)	Ground Elevation (ft amsl)	TOC Elevation (ft amsl)	Stickup Height (ft)	Last Measured Depth (ft btoc)	Last Calculated Depth (ft bgs)	Dif.	Screened Interval (ft bgs)	Screen Length	Screen Silted	Needs Redevelopment	2022 Field remarks	Future Actions/Repairs Needed	Justification for Not Identifying Well in 2022	General Comments and Comments Carried Over From Previous Well Inventories
88	782MW-3R	No	Monitoring Well	Retained for PFC Investigation	SD052-01	1175294.00	1137315.00	2" PVC	Not inspected 2022	No	No	Flushmount	Yes*	Good*	Yes*	Yes*	31.6	473.67	473.33	-0.34				16.6 - 31.6	15.0			Did not visit in 2022. Airfield escort unavailable.		Airfield escort unavailable.	
89	782MW-5	No	Monitoring Well	Not Used	SD052-01	1174918.00	1136711.00	2" PVC	10/18/2022	Yes	No	Flushmount	Yes*	Good*	Yes*	Yes*	25.0	478.08	478.08					15.0 - 25.0	10.0			Airfield escort unavailable. Visually located well from outside the fence line.	Re-survey.		Same value for ground surface and top of casing provided in ERPIMS. As no other survey information is readily available, the duplicate values are presented in this table. Re-survey prior to groundwater elevation measurements.
90	782MW-6D	No	Monitoring Well	Not Used	SD052-01	1174869.57	1137670.31	2" PVC	10/18/2022	Yes	No	Stick-up	Yes*	Good*	Yes*	Yes*	48.0	478.54	478.55	0.01				38.0 - 48.0	10.0			Airfield escort unavailable. Visually located well from outside the fence line.			
91	782MW-6R2	No	Monitoring Well	Not Used	SD052-01	1174890.35	1137643.75	2" PVC	10/18/2022	Yes	No	Stick-up	Yes*	Good*	Yes*	Yes*	34.5	476.82	478.42	1.60				19.5 - 34.5	15.0			Airfield escort unavailable. Visually located well from outside the fence line.			
92	782MW-9	No	Monitoring Well	Retained for PFC Investigation	SD052-01	1175045.31	1137985.45	2" PVC	Not inspected 2022	No	No	Flushmount	Yes*	Good*	Yes*	Yes*	30.0	476.51	476.54	0.03				15.0 - 30.0	15.0			Airfield escort unavailable.		Airfield escort unavailable.	
93	782MW-10	No	Monitoring Well	SD052-01/LTM	SD052-01	1174739.67	1137498.35	2" PVC	Not inspected 2022	No	No	Flushmount	Yes*	Good*	No*	Yes*	34.0	477.79	477.50	-0.29	32.20	31.91	2.09	19.0 - 34.0	15.0	13.93%	No	Airfield escort unavailable.		Airfield escort unavailable.	Well completion prevents addition of a lock, however, the well is located within the airport's secured area.
94	782MW-11	No	Monitoring Well	Retained for PFC Investigation	SD052-01/SS063	1175150.04	1137909.34	2" PVC	10/18/2022	Yes	No	Stick-up	Yes*	Good*	Yes*	Yes*	32.7	475.68	478.21	2.53				22.7 - 32.7	10.0			Airfield escort unavailable. Visually located well from outside the fence line.			
95	782MW-12	No	Monitoring Well	Retained for PFC Investigation	SD052-01/ SS063	1175304.35	1137741.62	2" PVC	Not inspected 2022	No	No	Flushmount	No*	Good*	Yes*	Yes*	33.0							23.0 - 33.0	10.0			Airfield escort unavailable.	Re-survey.	Airfield escort unavailable.	Converted to a flushmount in November 2019. The TOC elevation was altered at this time. Re-survey prior to groundwater elevation measurement.
96	782-MW184	No	Monitoring Well	Not Used	SD052-01	1174819.11	1138003.00	2" PVC	6/8/2022	Yes	No	Flushmount	Poor	Good	Yes	Yes	74.5	476.20	475.86	-0.34			74.50	64.5 - 74.5	10.0			ID is difficult to see.	Renew ID.		84, 84D, 184 all located very close together.
97	782VMW-76	No	Monitoring Well	SD052-01/LTM	SD052-01	1174418.22	1137171.89	2" PVC	Not inspected 2022	No	No	Flushmount	Poor*	Good*	No*	Yes*	43.0	477.86	477.59	-0.27	41.50	41.23	1.77	33.0 - 43.0	10.0	17.70%	No	Airfield escort unavailable.	Renew ID.	Airfield escort unavailable.	Well completion prevents addition of a lock, however, the well is located within the airport's secured area.
98	782VMW-78	No	Monitoring Well	SD052-01/LTM	SD052-01	1174578.68	1137025.78	2" PVC	10/19/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	42.0	478.26	481.22	2.96	45.20	42.24	-0.24	32.0 - 42.0	10.0	0.00%	No	Pump in well.			Pump present.
99	782VMW-81	Yes	Monitoring Well	SD052-01/LTM	SD052-01	1174369.98	1136784.76	2" PVC	10/19/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	50.0	477.71	479.57	1.86	49.90	48.04	1.96	40.0 - 50.0	10.0	19.60%	No	Pump in well. Bollard repaired.			Pump present.
100	782VMW-82	No	Monitoring Well	Not Used	SD052-01	1174499.71	1136644.46	2" PVC	10/19/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	48.0	475.49	478.06	2.57				38.0 - 48.0	10.0			Pump in well. Bollards repaired.			
101	782VMW-83	No	Monitoring Well	Not Used	SD052-01	1174121.75	1136506.61	2" PVC	10/19/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	35.0	477.72	480.13	2.41				25.0 - 35.0	10.0						
102	782VMW-84	No	Monitoring Well	SD052-01/LTM	SD052-01	1174821.59	1137992.22	2" PVC	6/8/2022	Yes	No	Flushmount	Yes	Good	No	Yes	44.5	476.40	476.08	-0.32	45.20	44.88	-0.38	34.5 - 44.5	10.0	0.00%	No	ID is difficult to see.	Renew ID.		84, 84D, 184 all located very close together. Well completion prevents addition of a lock, however, the well is located within the airport's secured area.
103	782VMW-84D	No	Monitoring Well	SD052-01/LTM	SD052-01	1174796.74	1138001.78	2" PVC	6/8/2022	Yes	No	Flushmount	Yes	Good	Yes	Yes	56.5	475.57	475.18	-0.39				41.5 - 56.5	15.0						84, 84D, 184 all located very close together.
104	782VMW-85	No	Monitoring Well	Not Used	SD052-01	1175001.90	1137788.48	2" PVC	10/19/2022	Yes	No	Stick-up	Yes*	Poor*	Yes*	Yes*	39.0	475.70	478.02	2.32				29.0 - 39.0	10.0			Airfield escort unavailable. Visually located well from outside the fence line.			
105	782VMW-86	No	Monitoring Well	Not Used	SD052-01	1175194.30	1137587.73	2" PVC	10/19/2022	Yes	No	Stick-up	Yes*	Good*	Yes*	Yes*	37.0	475.65	477.68	2.03				27.0 - 37.0	10.0			Airfield escort unavailable. Visually located well from outside the fence line.			
106	782VMW-87	No	Monitoring Well	Not Used	SD052-01	1174719.49	1138182.13	2" PVC	6/8/2022	Yes	No	Flushmount	Yes	Good	Yes	Yes	40.0	476.86	476.27	-0.59				30.0 - 40.0	10.0						
107	782VMW-88	No	Monitoring Well	Not Used	SD052-01	1174912.33	1138272.99	2" PVC	6/8/2022	Yes	No	Flushmount	Yes	Poor	No	Yes	40.0	478.15	477.75	-0.40				30.0 - 40.0	10.0						Well completion prevents addition of a lock, however, the well is located within the airport's secured area.
108	782VMW-89	No	Monitoring Well	Not Used	SD052-01	1175100.54	1137690.09	2" PVC	10/19/2022	Yes	No	Stick-up	Yes*	Poor*	Yes*	Yes*	40.0	475.94	478.85	2.91				25.0 - 40.0	15.0			Airfield escort unavailable. Visually located well from outside the fence line. Bollard still bent.	Fill burrow with concrete.* Repair bollard.		From 2021: Well pad is "floating" on casing as animal burrowing has undercut the entire concrete pad. Bollard bent.
109	782VMW-90	No	Monitoring Well	Not Used	SD052-01	1175018.57	1137506.82	2" PVC	10/19/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	30.0	476.23	478.95	2.72				20.0 - 30.0	10.0			Replaced plug. Located at edge of the new parking lot and people have hit the stick up casing. No protective bollard.	Add bollards or convert to flush mount.		
110	782VMW-92	No	Monitoring Well	Not Used	SD052-01	1174479.88	1137671.17	2" PVC	Not inspected 2022	No	No	Flushmount	Yes*	Good*	No*	Yes*	40.0	476.99	476.65	-0.34				30.0 - 40.0	10.0			Airfield escort unavailable.		Airfield escort unavailable.	
111	782VMW-93	No	Monitoring Well	Not Used	SD052-01	1174569.71	1137325.35	2" PVC	Not inspected 2022	No	No	Flushmount	Yes*	Good*	Yes*	Yes*	40.0	477.87	477.57	-0.30				30.0 - 40.0	10.0			Airfield escort unavailable.		Airfield escort unavailable.	
112	782VMW-94	No	Monitoring Well	Not Used	SD052-01	1174743.61	1137348.67	2" PVC	10/19/2022	Yes	No	Flushmount	Yes*	Good*	Yes*	Yes*	44.5	478.3	478.03	-0.27				34.5 - 44.5	10.0			Airfield escort unavailable. Visually located well from outside the fence line.			
113	782VMW-95	No	Monitoring Well	Not Used	SD052-01	1174876.73	1137231.06	2" PVC	10/19/2022	Yes	No	Flushmount	Yes	Good	Yes	Yes	35.0	477.19	479.26	2.07				20.0 - 35.0	15.0				Re-survey.		New vault installed 5/26/21. Re-survey prior to groundwater elevation measurement.
114	782VMW-96	No	Monitoring Well	SD052-01/LTM	SD052-01	1174603.52	1137545.52	2" PVC	Not inspected 2022	No	No	Flushmount	Yes*	Good*	No*	Yes*	43.0	477.13	476.73	-0.40	41.80	41.40	1.60	33.0 - 43.0	10.0	16.00%	No	Airfield escort unavailable.		Airfield escort unavailable.	Vault lid is small, center bolt type. Vault is too small for a lock to be placed, however, well is located within secured airfield fenceline.
115	782VMW-97	No	Monitoring Well	Not Used	SD052-01	1174073.12	1136622.81	2" PVC	10/19/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	35.0	478.52	480.76	2.24				25.0 - 35.0	10.0						
116	782VMW-98	No	Monitoring Well	Not Used	SD052-01	1173953.03	1136359.76	2" PVC	10/19/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	35.0	477.06	479.47	2.41				25.0 - 35.0	10.0			Pump in well.			Pump present.

Table 1
2022 Well Inventory
Former Griffiss Air Force Base

Count	Well ID	Sampled in 2022 (Yes/No)	Well Type	Well Use	IRP Site	Northing	Easting	Casing Type	Inspection Date	Well Located (Yes/No)	Well Abandoned (Yes/No)	Surface Completion Type	Well ID (Yes/No)	Concrete Pad Condition	Lock Present (Yes/No)	Well Cap Present (Yes/No)	As-Built Depth (ft bgs)	Ground Elevation (ft amsl)	TOC Elevation (ft amsl)	Stickup Height (ft)	Last Measured Depth (ft btoc)	Last Calculated Depth (ft bgs)	Dif.	Screened Interval (ft bgs)	Screen Length	Screen Silted	Needs Redevelopment	2022 Field remarks	Future Actions/Repairs Needed	Justification for Not Identifying Well in 2022	General Comments and Comments Carried Over From Previous Well Inventories
117	782VMW-99	No	Monitoring Well	Not Used	SD052-01	1173703.09	1136597.73	2" PVC	10/19/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	35.0	477.83	480.89	3.06				20.0 - 35.0	15.0			Pump in well. Repaired crooked bollard.			Pump present.
118	782VMW-100	No	Monitoring Well	SD052-01/LTM	SD052-01	1174894.76	1138716.31	2" PVC	10/19/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	25.0	457.10	459.94	2.84				10.0 - 25.0	15.0						
119	782VMW-101	Yes	Monitoring Well	SD052-01/SS064/LTM	SD052-01	1174658.16	1138910.74	2" PVC	10/19/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	22.0	451.11	453.95	2.84	25.8	22.96	-0.96	7.0 - 22.0	15.0	0.00%	No				
120	782VMW-102	No	Monitoring Well	SS064-LTM	SD052-01	1174386.72	1139063.60	2" PVC	10/19/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	23.0	448.82	451.84	3.02				8.0 - 23.0	15.0			Pump in well.			Pump present.
121	782VMW-104	No	Monitoring Well	SS064-LTM	SD052-01	1174163.56	1136567.00	2" PVC	10/19/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	33.0	477.04	479.63	2.59				18.0 - 33.0	15.0			Pump in well.			Pump present.
122	782VMW-105B	Yes	Monitoring Well	SD052-01/LTM	SD052-01	1174207.49	1136605.09	2" PVC	10/19/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	42.0	477.37	480.25	2.88	44.3	41.42	0.58	27.0 - 42.0	15.0	3.87%	No				PVC is blistered ~6 ft btoc, preventing use of sub-pump. Peristaltic is needed to sample.
123	782VMW-121	Yes	Monitoring Well	SD052-01/LTM	SD052-01	1174778.29	1138757.34	2" PVC	10/19/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	25.0	458.06	459.87	1.81	28.24	26.43	-1.43	10.0 - 25.0	15.0	0.00%	No				
124	782VMW-121D	No	Monitoring Well	SD052-01/LTM	SD052-01	1174761.65	1138752.45	2" PVC	10/19/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	31.0	458.81	460.71	1.90	30.45	28.55	2.45	21.0 - 31.0	10.0	24.50%	No				
125	AP2MW-3	Yes	Monitoring Well	SD052-01/SS064-LTM	SD052-01	1174551.00	1138744.00	2" PVC	10/19/2022	Yes	No	Flushmount	Yes	Good	No	Yes	33.6	465.97	465.63	-0.34	34	33.66	-0.10	19.0 - 33.6	14.6	0.00%	No				Well completion prevents addition of a lock, however, the well is located within the airport's secured area. Vault can fill with seds.
126	775EW-1	No	Extraction Well converted to Injection Well	SD052-02 Injection	SD052-02	1173032.34	1135795.01	4" SS	10/18/2022	Yes	No	Flushmount	Yes	Good	No	Yes	76.0	516.72	516.56	-0.16	81.50	81.66	-5.66	56.0 - 76.0	20.0	0.00%	No				Well head completion does not allow for lock installation.
127	775EW-1R	No	Extraction Well converted to Injection Well	SD052-02 Injection	SD052-02	1172983.69	1135816.60	4" SS	10/18/2022	Yes	No	Flushmount	No	Good	No*	No*		516.40	515.55	-0.85											Well head completion does not allow for lock installation.
128	775EW-3	No	Extraction Well converted to Injection Well	SD052-02 Injection	SD052-02	1172996.82	1135753.37	4" SS	10/18/2022	Yes	No	Flushmount	No*	N/A	No*	No*		516.02	515.16	-0.86								Located only.			Well head completion does not allow for lock installation.
129	775MW-2	No	Monitoring Well	Not Used	SD052-02	1173493.00	1135938.00	2" PVC	10/18/2022	Yes	No	Stick-up	Yes*	Good*	Yes*	Yes*	65.0	514.08	515.65	1.57				50.0 - 65.0	15.0			Located only.			
130	775MW-6	Yes	Monitoring Well	SD052-02/LTM	SD052-02	1173123.00	1135631.00	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	78.0	517.18	518.02	0.84	78.50	77.66	0.34	68.0 - 78.0	10.0	3.40%	No				
131	775-MW20	Yes	Monitoring Well	SD052-02/LTM	SD052-02	1172598.94	1135787.11	2" PVC	10/19/2022	Yes	No	Stick-up	Yes	N/A	Yes	Yes	120.2	518.14	520.35	2.21	123.25	121.04	-0.84	110.2 - 120.2	10.0	0.00%	No				
132	775-MW20R	No	Monitoring Well	SD052-02/LTM	SD052-02	1172590.24	1135795.13	2" PVC	10/19/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	138.7	518.62	519.48	0.86	139.31	138.45		133.7 - 138.7	5.0	0.00%	No				
133	775-MW20RBR	No	Monitoring Well	Not Used	SD052-02	1172492.89	1135900.74	2" PVC	10/19/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	169.7	518.58	519.50	0.92				159.7 - 169.7	10.0						
134	775MW-27	No	Monitoring Well	SD052-02/LTM	SD052-02	1173004.19	1135837.05	2" PVC	10/18/2022	Yes	No	Flushmount	No	Good	No*	Yes*	80.8	516.59	515.99	-0.60				60.8 - 80.8	20.0			Located only.			Dedicated bladder pump has been lost in well and the associated tubing blocks deployment of pumps and water level measurement.
135	775MW-28	No	Monitoring Well	SD052-02/LTM	SD052-02	1172787.53	1135778.13	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	91.0	515.72	517.68	1.96	92.71	90.75	0.25	71.0 - 91.0	20.0	1.25%	No				
136	775VMW-4	Yes	Monitoring Well	SD052-02/LTM	SD052-02	1173227.00	1135813.00	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	70.0	517.64	518.51	0.87	71.29	70.42	-0.42	60.0 - 70.0	10.0	0.00%	No				
137	775VMW-5	Yes	Monitoring Well	SD052-02/LTM	SD052-02	1173147.00	1135890.00	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	75.0	517.94	518.64	0.70	75.5	74.80	0.20	65.0 - 75.0	10.0	2.00%	No				
138	775VMW-8	Yes	Monitoring Well	SD052-02/LTM	SD052-02	1172910.00	1135803.00	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	78.0	517.79	518.22	0.43	77.55	77.12	0.88	68.0 - 78.0	10.0	8.80%	No				
139	775VMW-9	Yes	Monitoring Well	SD052-02/LTM	SD052-02	1172920.34	1135482.28	2" PVC	10/19/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	99.0	511.92	513.63	1.71	97.75	96.04	2.96	84.0 - 99.0	15.0	19.73%	No				
140	775VMW-10	Yes	Monitoring Well	SD052-02/LF009/LTM	SD052-02	1172769.09	1135613.75	2" PVC	10/19/2022	Yes	No	Stick-up	Yes	N/A	Yes	Yes	103.0	515.14	517.22	2.08	103.0	100.92	2.08	88.0 - 103.0	15.0	13.87%	No				
141	775VMW-11	No	Monitoring Well	Not Used	SD052-02	1173630.84	1136124.93	2" PVC	10/19/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	57.0	484.66	486.60	1.94				47.0 - 57.0	10.0			Pump in well.			Pump present. Large tree growing within bollard area.
142	775VMW-14	No	Monitoring Well	Not Used	SD052-02	1173337.31	1136103.63	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	70.0	513.91	515.85	1.94				60.0 - 70.0	10.0						
143	775VMW-15R1	No	Monitoring Well	Not Used	SD052-02	1173477.86	1135425.48	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Unknown	104.0	516.54	518.82	2.28				94.0 - 104.0	10.0			Can not open.			Could not be opened in 2020, 2021, or 2022.
144	775VMW-16	No	Monitoring Well	Not Used	SD052-02	1172880.00	1136036.31	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	87.0	518.96	520.94	1.98				77.0 - 87.0	10.0						
145	775VMW-18R	No	Monitoring Well	LF009-LTM	SD052-02/LF009	1173166.52	1135300.79	2" PVC	10/19/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	95.0	508.67	510.71	2.04				85.0 - 95.0	10.0						
146	775VMW-19R	No	Monitoring Well	SD052-02/LTM	SD052-02	1172790.97	1135700.29	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	75.0	515.58	517.46	1.88	76.75	74.87	0.13	55.0 - 75.0	20.0	0.65%	No				
147	775VMW-20R	No	Monitoring Well	SD052-02/LF009/LTM	SD052-02/LF009	1172499.98	1135888.24	2" PVC	10/19/2022	Yes	No	Stick-up	Yes	N/A	Yes	Yes	115.0	518.85	521.11	2.26	115.45	113.19	1.81	105.0 - 115.0	10.0	18.10%	No				
148	775VMW-23	No	Monitoring Well	Not Used	SD052-02	1173770.00	1135979.80	2" PVC	10/19/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	35.0	484.35	486.77	2.42				25.0 - 35.0	10.0			Pump in well.			Pump present.
149	775VMW-24	No	Monitoring Well	Not Used	SD052-02	1173495.87	1136265.91	2" PVC	10/19/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	67.0	483.79	485.40	1.61				57.0 - 67.0	10.0			Pump in well.			Pump present. Large tree growing within bollard area.
150	775VMW-25	No	Monitoring Well	Not Used	SD052-02	1173593.32	1135621.88	2" PVC	10/18/2022	Yes	No	Flushmount	Yes	Good	Yes*	Yes*	75.0	512.94	512.59	-0.35				65.0 - 75.0	10.0		Yes	Located only.	Re-develop. Re-survey.		Re-develop prior to any sampling. Re-survey prior to groundwater elevation measurement.
151	SD052-02_IW-01	No	Injection Well	SD052-02 Injection	SD052-02	1173188.90	1135887.00	2" PVC	10/18/2022	Yes	No	Flushmount	Yes	Good	No*	Yes*	78.0							68.0 - 78.0	10.0			Located only.			Well head completion does not allow for lock installation.
152	SD052-02_IW-02	No	Injection Well	SD052-02 Injection	SD052-02	1173178.30	1135912.30	2" PVC	10/18/2022	Yes	No	Flushmount	Yes	Good	No*	Yes*	78.0							68.0 - 78.0	10.0			Located only.			Well head completion does not allow for lock installation.
153	SD052-02_IW-03	No	Injection Well	SD052-02 Injection	SD052-02	1173127.90	1135662.50	2" PVC	10/18/2022	Yes	No	Flushmount	Yes	Good	No*	Yes*	78.0							68.0 - 78.0	10.0			Located only.			Well head completion does not allow for lock installation.
154	SD052-02_IW-04	No	Injection Well	SD052-02 Injection	SD052-02	1173108.00	1135698.10	2" PVC	10/18/2022	Yes	No	Flushmount	Yes	Good	No*	Yes*	84.0							64.0 - 84.0	20.0			Located only.			Well head completion does not allow for lock installation.
155	SD052-02_IW-05	No	Injection Well	SD052-02 Injection	SD052-02	1173108.90	1135819.70	2" PVC	10/18/2022	Yes	No	Flushmount	Yes	Good	No*	Yes*	84.0							64.0 - 84.0	20.0			Located only.			Well head completion does not allow for lock installation.
156	SD052-02_IW-06	No	Injection Well	SD052-02 Injection	SD052-02	1173056.80	1135873.60	2" PVC	10/18/2022	Yes	No	Flushmount	Yes	Good	No*	Yes*	83.0							63.0 - 83.0	20.0			Located only.			Well head completion does not allow for lock installation.
157	SD052-02_IW-07	No	Injection Well	SD052-02 Injection	SD052-02	1173147.50	1135624.00	2" PVC	10/18/2022	Yes	No	Flushmount	Yes	Good	No*	Yes*	78.0							68.0 - 78.0	10.0			Located only.			Well head completion does not allow for lock installation.

Table 1
2022 Well Inventory
Former Griffiss Air Force Base

Count	Well ID	Sampled in 2022 (Yes/No)	Well Type	Well Use	IRP Site	Northing	Easting	Casing Type	Inspection Date	Well Located (Yes/No)	Well Abandoned (Yes/No)	Surface Completion Type	Well ID (Yes/No)	Concrete Pad Condition	Lock Present (Yes/No)	Well Cap Present (Yes/No)	As-Built Depth (ft bgs)	Ground Elevation (ft amsl)	TOC Elevation (ft amsl)	Stickup Height (ft)	Last Measured Depth (ft btoc)	Last Calculated Depth (ft bgs)	Dif.	Screened Interval (ft bgs)	Screen Length	Screen Silted	Needs Redevelopment	2022 Field remarks	Future Actions/Repairs Needed	Justification for Not Identifying Well in 2022	General Comments and Comments Carried Over From Previous Well Inventories
158	SD052-02_IW-08	No	Injection Well	SD052-02 Injection	SD052-02	1173121.50	1135550.20	2" PVC	10/18/2022	Yes	No	Flushmount	Yes	Good	No*	Yes*	92.0							72.0 - 92.0	20.0			Located only.			Well head completion does not allow for lock installation.
159	SD052-02_IW-09	No	Injection Well	SD052-02 Injection	SD052-02	1173063.10	1135598.80	2" PVC	10/18/2022	Yes	No	Flushmount	Yes	Good	No*	Yes*	92.0							72.0 - 92.0	20.0			Located only.			Well head completion does not allow for lock installation.
160	SD052-02_IW-12	No	Injection Well	SD052-02 Injection	SD052-02	1173019.30	1135523.30	2" PVC	10/18/2022	Yes	No	Flushmount	Yes	Good	No*	Yes*	100.0							80.0 - 100.0	20.0			Located only.			Well head completion does not allow for lock installation.
161	SD052-02_IW-13	No	Injection Well	SD052-02 Injection	SD052-02	1172971.00	1135552.50	2" PVC	10/18/2022	Yes	No	Flushmount	Yes	Good	No*	Yes*	100.0							80.0 - 100.0	20.0			Located only.			Well head completion does not allow for lock installation.
162	SD052-02_IW-14	No	Injection Well	SD052-02 Injection	SD052-02	1172939.20	1135801.90	2" PVC	10/18/2022	Yes	No	Flushmount	Yes	Good	No*	Yes*	78.0							68.0 - 78.0	10.0			Located only.			Well head completion does not allow for lock installation.
163	817IW-1	No	Injection Well	SD052-05/Injections only	SD052-05	1180082.76	1135879.96	2" PVC	10/16/2022	Yes	No	Stick-up	No	N/A	No	Yes		518.59										Cleared overgrown brush to access.			Well head completion does not allow for lock installation.
164	817IW-2	No	Injection Well	SD052-05/Injections only	SD052-05	1180076.77	1135885.76	2" PVC	10/16/2022	Yes	No	Stick-up	No	N/A	No	Yes		518.88										Cleared overgrown brush to access.			Well head completion does not allow for lock installation.
165	817IW-3	No	Injection Well	SD052-05/Injections only	SD052-05	1180069.76	1135891.10	2" PVC	10/16/2022	Yes	No	Stick-up	No	N/A	No	Yes		519.05										Cleared overgrown brush to access.			Well head completion does not allow for lock installation.
166	817IW-4	No	Injection Well	SD052-05/Injections only	SD052-05	1180064.86	1135898.52	2" PVC	10/16/2022	Yes	No	Stick-up	No	N/A	No	Yes		519.23										Cleared overgrown brush to access.			Well head completion does not allow for lock installation.
167	817IW-5	No	Injection Well	SD052-05/Injections only	SD052-05	1180059.69	1135903.22	2" PVC	10/16/2022	Yes	No	Stick-up	No	N/A	No	Yes		519.17										Cleared overgrown brush to access.			Well head completion does not allow for lock installation.
168	817IW-6	No	Injection Well	SD052-05/Injections only	SD052-05	1180054.25	1135908.66	2" PVC	10/16/2022	Yes	No	Stick-up	No	N/A	No	Yes		519.12										Cleared overgrown brush to access.			Well head completion does not allow for lock installation.
169	817IW-7	No	Injection Well	SD052-05/Injections only	SD052-05	1180049.52	1135913.91	2" PVC	10/16/2022	Yes	No	Stick-up	No	N/A	No	Yes		519.29										Cleared overgrown brush to access.			Well head completion does not allow for lock installation.
170	817IW-8	No	Injection Well	SD052-05/Injections only	SD052-05	1180043.77	1135917.10	2" PVC	10/16/2022	Yes	No	Stick-up	No	N/A	No	Yes		519.40										Cleared overgrown brush to access.			Well head completion does not allow for lock installation.
171	817MW-1	No	Monitoring Well	SD052-05/LTM	SD052-05	1180068.47	1135910.04	1" PVC	10/16/2022	Yes	No	Stick-up	Yes	N/A	Yes	Yes	20.0	519.93	522.10	2.17	21.10	18.93	1.07	10.0 - 20.0	10.0	10.70%	Yes	DTW: 12.28 ft btoc TD: 21.10 ft btoc Does not feel silted.	Re-develop, gauge TD, update as-built data.		Re-develop and gauge TD prior to sampling.
172	817MW-2	Yes	Monitoring Well	SD052-05/LTM	SD052-05	1180055.06	1135894.73	1" PVC	10/16/2022	Yes	No	Stick-up	Yes	N/A	Yes	Yes	20.0	518.89	521.06	2.17	18.45	16.28	3.72	10.0 - 20.0	10.0	37.20%	Yes	DTW: 11.72 ft btoc TD: 17.37 ft btoc Does not feel silted.	Re-develop, gauge TD, update as-built data.		Re-develop and gauge TD prior to sampling.
173	817MW-3	Yes	Monitoring Well	SD052-05/LTM	SD052-05	1180034.09	1135874.52	1" PVC	10/16/2022	Yes	No	Stick-up	Yes	N/A	Yes	Yes	20.0	517.72	519.80	2.08	20.88	18.80	1.20	10.0 - 20.0	10.0	12.00%	Yes	DTW: 10.73 ft btoc TD: 20.83 ft btoc Does not feel silted.	Re-develop, gauge TD, update as-built data.		Re-develop and gauge TD prior to sampling.
174	LAWMW-9	No	Monitoring Well	SD052-05/LTM	SD052-05	1179884.00	1135570.00	2" PVC	10/16/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	17.0	505.83	507.84	2.01	19.30	17.29	-0.25	7.0 - 17.0	10.0	0.00%	No	Pump in well.			Pump present.
175	WSA-IW01	No	Injection Well	Not Used	SD052-05	1179950.44	1135783.51	2" PVC	10/16/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	19.0	512.69	514.77	2.08				9.0 - 19.0	10.0			Pump in well. No external ID mark. Added cap. Cleared overgrown vegetation.	Renew ID.		Lock and internal well ID present. Has 3/4" threaded male cap. Pump present.
176	WSA-IW02	No	Injection Well	Not Used	SD052-05	1179957.83	1135790.28	2" PVC	10/16/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	20.0	512.39	514.61	2.22				10.0 - 20.0	10.0			Tubing and internal ID present. Added cap. Cleared overgrown vegetation.			Lock and internal well ID present. Has 3/4" threaded male cap. No pump present.
177	WSA-IW03	No	Injection Well	Not Used	SD052-05	1179958.91	1135800.50	2" PVC	10/16/2022	Yes	No	Stick-up	Yes	Good	No	Yes	20.0	512.71	515.10	2.39				10.0 - 20.0	10.0			Tubing and internal ID present. Added cap. Cleared overgrown vegetation. TOC is too high for lid to close and lock.			Lock and internal well ID present. Has 3/4" threaded male cap. No pump present. TOC is too high for lid to close and lock.
178	WSA-IW04	No	Injection Well	Not Used	SD052-05	1179949.01	1135811.54	2" PVC	10/16/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	19.5	512.18	514.33	2.15				9.5 - 19.5	10.0			Tubing and internal ID present. Added cap. Cleared overgrown vegetation.			Lock and internal well ID present. Has 3/4" threaded male cap. No pump present.
179	WSAMW-2	No	Monitoring Well	Not Used	SD052-05	1180469.00	1136049.00	2" PVC	10/16/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	15.2	531.99	533.95	1.96				5.2 - 15.2	10.0						
180	WSAMW-3	No	Monitoring Well	Not Used	SD052-05	1180971.00	1134913.00	2" PVC	10/6/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	16.3	527.48	530.34	2.86				6.3 - 16.3	10.0			Pump in well.			Pump present.
181	WSAMW-8	No	Monitoring Well	SD052-05/LTM	SD052-05	1180198.23	1135971.00	2" PVC	10/16/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	14.0	520.37	521.88	1.51	16.00	14.49	-0.49	4.0 - 14.0	10.0	0.00%	No	Pump in well. Cleared overgrown vegetation.			Pump present.
182	WSAMW-9	Yes	Monitoring Well	SD052-05/LTM	SD052-05	1179468.66	1135387.24	2" PVC	10/16/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	8.0	482.60	484.19	1.59	9.80	8.21	-0.21	3.0 - 8.0	5.0	0.00%	No	Pump in well. Cleared overgrown vegetation.			Pump present.
183	WSAMW-11	No	Monitoring Well	Not Used	SD052-05	1179950.70	1135795.44	2" PVC	10/16/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	12.5	512.14	513.89	1.75				7.2 - 12.2	5.0			Pump in well. No external ID mark. Cleared overgrown vegetation.			WSAMW-11 and WSAMW-11BR have the same coordinates in the database. Marked with SS tag inside indicating it is WSAMW-11. Pump present.
184	WSAMW-11BR	No	Monitoring Well	Not Used	SD052-05	1179947.34	1135789.99	2" PVC	10/16/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes		512.14	513.89	1.75								Cleared overgrown vegetation. Well location is not shown on Plate 1 from 2021 Tech Memo.	Re-survey.		WSAMW-11 and WSAMW-11BR have the same coordinates in the database. WSAMW-11BR is located approximately 10 feet south of WSAMW-11. The external ID is WSAMW-11BR, the internal ID is WSAMW-15.
185	WSAMW-12BR	No	Monitoring Well	Not Used	SD052-05	1179451.23	1135646.55	2" PVC	10/16/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	42.0	500.01	502.13					32.0 - 42.0	10.0			Pump in well. Cleared overgrown vegetation. Painted Bollards.			Pump present.
186	WSAMW-13BR	No	Monitoring Well	Not Used	SD052-05	1179597.57	1135249.32	2" PVC	10/16/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	43.0	483.08	485.17					23.0 - 43.0	20.0			Pump in well. Cleared overgrown vegetation. Painted Bollards. Repaired Bollard.			Pump present.
187	WSAMW-14BR	No	Monitoring Well	Not Used	SD052-05	1180205.21	1135964.95	2" PVC	10/16/2022	Yes	No	Stick-up	Unknown	Good	Unknown	Unknown	35.0	518.50	522.01					24.7 - 34.7	10.0						USGS observation well. No access to well head.
188	WSAMW-16	Yes	Monitoring Well	SD052-05/LTM	SD052-05	1179943.17	1135804.76	2" PVC	10/16/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	20.0	511.86	514.18	2.32	22.25	19.93	0.07	10.0 - 20.0	10.0	0.70%	No	Pump in well.			Pump present.
189	WSAMW-18	Yes	Monitoring Well	SD052-05/LTM	SD052-05	1179990.61	1135831.91	2" PVC	10/16/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	16.0	515.23	516.89	1.66	18.1	16.44	-0.44	11.0 - 16.0	5.0	0.00%	No	Pump in well. Cleared overgrown vegetation.			Pump present.
190	WSAMW-19	Yes	Monitoring Well	SD052-05/LTM	SD052-05	1179856.58	1135748.98	2" PVC	10/16/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	18.0	511.79	513.07	1.28	19.8	18.52	-0.52	13.0 - 18.0	5.0	0.00%	No	Pump in well.			Pump present.

Table 1
2022 Well Inventory
Former Griffiss Air Force Base

Count	Well ID	Sampled in 2022 (Yes/No)	Well Type	Well Use	IRP Site	Northing	Easting	Casing Type	Inspection Date	Well Located (Yes/No)	Well Abandoned (Yes/No)	Surface Completion Type	Well ID (Yes/No)	Concrete Pad Condition	Lock Present (Yes/No)	Well Cap Present (Yes/No)	As-Built Depth (ft bgs)	Ground Elevation (ft amsl)	TOC Elevation (ft amsl)	Stickup Height (ft)	Last Measured Depth (ft btoc)	Last Calculated Depth (ft bgs)	Dif.	Screened Interval (ft bgs)	Screen Length	Screen Silted	Needs Redevelopment	2022 Field remarks	Future Actions/Repairs Needed	Justification for Not Identifying Well in 2022	General Comments and Comments Carried Over From Previous Well Inventories
191	WSAMW-21	Yes	Monitoring Well	SD052-05/LTM	SD052-05	1179643.16	1135642.04	2" PVC	10/16/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	25.0	509.72	511.68	1.96	27.07	25.11	-0.11	15.0 - 25.0	10.0	0.00%	No	Pump in well. Painted Bollards.			Pump present.
192	WSAMW-23	Yes	Monitoring Well	SD052-05/LTM	SD052-05	1179679.21	1135866.52	2" PVC	10/16/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	25.0	518.16	519.92	1.76	27.3	25.54	-0.54	15.0 - 25.0	10.0	0.00%	No	Pump in well. Cleared overgrown vegetation.			Pump present.
193	WSAVMW-17	Yes	Monitoring Well	SD052-05/LTM	SD052-05	1179785.39	1135658.66	2" SS	10/16/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	25.0	508.83	511.39	2.56	27.9	25.34	-0.34	15.0 - 25.0	10.0	0.00%	No				SS casing is bent ~6 ft bgs and prevents use of submersible pumps. Must be sampled with peristaltic pump.
194	781MW-1	No	Monitoring Well	SS054-LTM	SS054	1172759.69	1136628.86	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	No	Yes	64.5	516.2	515.71	-0.49	66.90	67.39	-2.89	49.5 - 64.5	15.0	0.00%	No				Lid broken. Will not lock.
195	781MW-2	No	Monitoring Well	SS054-LTM	SS054	1172828.68	1136642.29	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	65.0	513.3	514.66	1.36	72.45	71.09	-6.09	50.0 - 65.0	15.0	0.00%	No				
196	781MW-3	No	Monitoring Well	SS054-LTM	SS054	1172754.51	1136721.46	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	69.0	513.5	514.30	0.80				54.0 - 69.0	15.0						
197	781MW-4	No	Monitoring Well	SS054-LTM	SS054	1172565.01	1136720.25	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	64.0	513.5	515.89	2.39				54.0 - 64.0	10.0						
198	781MW-5	No	Monitoring Well	SS054-LTM	SS054	1172499.44	1136657.45	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	N/A	N/A	65.0	515.5	517.04	1.54	68.85	67.31	-2.31	55.0 - 65.0	10.0	0.00%	No				Well head adapted for sparging. Lock is not compatible. TOC survey is inaccurate to calculate groundwater elevation. Broken sparge in well. 7 or 8-in cast iron lid missing.
199	781MW-6	No	Monitoring Well	SS054-LTM	SS054	1172461.56	1136622.83	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	64.0	515.9	517.26	1.36	69.70	68.34	-4.34	54.0 - 64.0	10.0	0.00%	No				
200	781MW-7	No	Monitoring Well	SS054-LTM	SS054	1172555.49	1136524.14	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	68.0	515.7	517.79	2.09	69.12	67.03	0.97	58.0 - 68.0	10.0	9.70%	No	Renewed ID.			
201	781MW-8	Yes	Monitoring Well	SS054-LTM	SS054	1172670.37	1136612.59	2" PVC	3/26/2022	Yes	No	Flushmount	Yes	Good	Yes	Yes	63.0	514.5	514.26	-0.24	63.27	63.03	-0.03	53.0 - 63.0	10.0	0.00%	No				
202	781MW-9	No	Monitoring Well	SS054-LTM	SS054	1172729.68	1136670.72	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	64.0	515.6	516.90	1.30	65.57	64.27	-0.27	54.0 - 64.0	10.0	0.00%	No	Renewed ID.			
203	781MW-10	No	Monitoring Well	SS054-LTM	SS054	1172684.51	1136737.07	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	63.0	514.9	516.25	1.35	67.12	65.77	-2.77	53.0 - 63.0	10.0	0.00%	No		Re-survey.		Re-survey prior to groundwater elevation measurements.
204	781MW-11	No	Monitoring Well	SS054-LTM	SS054	1172702.30	1136562.64	2" PVC	10/18/2022	Yes	No	Flushmount	Yes	Good	Yes*	Yes*	65.0	513.8	513.49	-0.31	64.65	64.34	0.66	55.0 - 65.0	10.0	6.60%	No	Located only.			
205	781MW-12	No	Monitoring Well	SS054-LTM	SS054	1172423.31	1136584.90	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	No	Yes	68.0	515.7	517.16	1.46	70.48	69.02	-1.02	58.0 - 68.0	10.0	0.00%	No		New lid. New lock.		TOC is female threaded PVC so J-plug is not tight fitting. New lid needed to allow for locking.
206	781MW-13	No	Monitoring Well	SS054-LTM	SS054	1172356.88	1136714.54	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	65.0	510.5	512.49	1.99	68.20	66.21	-1.21	55.0 - 65.0	10.0	0.00%	No				
207	781MW-13R	Yes	Monitoring Well	SS054-LTM	SS054	1172359.00	1136710.40	2" PVC	3/26/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	66.5	512.2	515.22	3.02	68.72	65.70	0.80	55.5 - 65.5	10.0	8.00%	No				
208	781MW-14	No	Monitoring Well	SS054-LTM	SS054	1172440.17	1136799.26	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	62.0	508.8	510.87	2.07	65.80	63.73	-1.73	52.0 - 62.0	10.0	0.00%	No				No lid present for outer protective casing.
209	781MW-15	No	Monitoring Well	SS054-LTM	SS054	1172570.50	1136859.95	2" PVC	Not inspected 2022	No	No	Stick-up	Yes*	Good*	Yes*	Yes*	64.0	513.4	515.29	1.89	68.55	66.66	-2.66	54.0 - 64.0	10.0	0.00%	No	Did not visit in 2022. Time Constraint.		Time constraint.	
210	781MW-16	No	Monitoring Well	SS054-LTM	SS054	1172328.65	1136850.64	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	60.0	505.6	507.65	2.05	60.00	57.95	2.05	50.0 - 60.0	10.0	20.50%	No				No lid present for outer protective casing.
211	781MW-17	No	Monitoring Well	SS054-LTM	SS054	1172267.74	1136601.31	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	67.0	512.6	515.20	2.60	70.20	67.60	-0.6	57.0 - 67.0	10.0	0.00%	No				No lid present for outer protective casing.
212	781MW-18	No	Monitoring Well	SS054-LTM	SS054	1172164.51	1136652.64	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	No	N/A	58.0	505.7	507.48	1.78	64.08	62.30	-4.3	48.0 - 58.0	10.0	0.00%	No				Well head adapted for sparging. Lock is not compatible. TOC survey is inaccurate to calculate groundwater elevation.
213	781MW-19	No	Monitoring Well	SS054-LTM	SS054	1172189.84	1136794.56	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	51.0	495.7	497.41	1.71	52.78	51.07	-0.07	41.0 - 51.0	10.0	0.00%	No				No lid present for outer protective casing.
214	781MW-20	Yes	Monitoring Well	SS054-LTM	SS054	1172090.64	1136463.32	2" PVC	3/26/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	44.0	491.4	493.70	2.30	42.17	39.87	4.13	34.0 - 44.0	10.0	41.30%	No				
215	781MW-21	No	Monitoring Well	SS054-LTM	SS054	1171993.28	1136578.55	2" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	34.0	482.4	484.86	2.46	36.41	33.95	0.05	24.0 - 34.0	10.0	0.50%	No				
216	781PAIW-1	No	Injection Well	SS054-LTM	SS054	1172601.22	1136721.02	4" PVC	10/18/2022	Yes	No	Stick-up	No	Good	No	Yes	63.0	515.8	518.57	2.77				48.0 - 63.0	15.0						Well head adapted for sparging. Lock is not compatible. TOC survey is inaccurate to calculate groundwater elevation.
217	781PAIW-2	No	Injection Well	SS054-LTM	SS054	1172741.51	1136680.88	4" PVC	10/18/2022	Yes	No	Stick-up	No	Good	No	Yes		514.56													Well head adapted for sparging. Lock is not compatible. TOC survey is inaccurate to calculate groundwater elevation.
218	781PPRW-1	No	Recovery Well	SS054-LTM	SS054	1172345.47	1136716.56	4" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	No	Yes	63.0	510.7	513.44	2.74				48.0 - 63.0	15.0						Well head adapted for sparging. Lock is not compatible.
219	781PPRW-2	No	Recovery Well	SS054-LTM	SS054	1172357.03	1136702.25	4" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	No	Yes	64.0	512.2	514.54	2.34				49.0 - 64.0	15.0						Well head adapted for sparging. Lock is not compatible.
220	781PPRW-3	No	Recovery Well	SS054-LTM	SS054	1172446.25	1136690.41	4" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	No	Yes	64.0	513.6	516.85	3.25				49.0 - 64.0	15.0						Well head adapted for sparging. Lock is not compatible.
221	781PPRW-4	No	Recovery Well	SS054-LTM	SS054	1172360.83	1136725.48	4" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	No	Yes	63.0	510.5	513.51	3.01				48.0 - 63.0	15.0						Well head adapted for sparging. Lock is not compatible.
222	781PPRW-5	No	Recovery Well	SS054-LTM	SS054	1172476.70	1136729.99	4" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	No	Yes		512.3	515.80	3.50											Well head adapted for sparging. Lock is not compatible. TOC survey is inaccurate to calculate groundwater elevation.
223	781PPRW-6	No	Recovery Well	SS054-LTM	SS054	1172499.30	1136683.81	4" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	No	Yes		514.3	517.76	3.46											Well head adapted for sparging. Lock is not compatible. TOC survey is inaccurate to calculate groundwater elevation.
224	781PPRW-7	No	Recovery Well	SS054-LTM	SS054	1172549.26	1136681.02	4" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes		514.6	517.85	3.25											Well head adapted for sparging.
225	781PPRW-8	No	Recovery Well	SS054-LTM	SS054	1172578.19	1136634.82	4" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	No	Yes		515.1	518.58	3.48											Well head adapted for sparging. Lock is not compatible. TOC survey is inaccurate to calculate groundwater elevation.
226	781PPRW-9	No	Recovery Well	SS054-LTM	SS054	1172697.50	1136592.62	4" PVC	10/18/2022	Yes	No	Flushmount	Yes	Good	Yes	Yes	56.0	513.0	512.77	-0.23	57.30	57.53	-1.53	46.0 - 56.0	10.0	-15.30%	No				Well head adapted for sparging.

Table 1
2022 Well Inventory
Former Griffiss Air Force Base

Count	Well ID	Sampled in 2022 (Yes/No)	Well Type	Well Use	IRP Site	Northing	Easting	Casing Type	Inspection Date	Well Located (Yes/No)	Well Abandoned (Yes/No)	Surface Completion Type	Well ID (Yes/No)	Concrete Pad Condition	Lock Present (Yes/No)	Well Cap Present (Yes/No)	As-Built Depth (ft bgs)	Ground Elevation (ft amsl)	TOC Elevation (ft amsl)	Stickup Height (ft)	Last Measured Depth (ft btoc)	Last Calculated Depth (ft bgs)	Dif.	Screened Interval (ft bgs)	Screen Length	Screen Silted	Needs Redevelopment	2022 Field remarks	Future Actions/Repairs Needed	Justification for Not Identifying Well in 2022	General Comments and Comments Carried Over From Previous Well Inventories
227	781VBS-1	No	Biosparge	SS054	SS054	1172404.54	1136693.69	1" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	N/A	Yes	65.0							60.0 - 65.0	5.0						Well head adapted for sparging. Lock is not compatible.
228	781VBS-2	No	Biosparge	SS054	SS054	1172365.64	1136696.82	1" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	N/A	Yes	65.0							60.0 - 65.0	5.0						Well head adapted for sparging. Lock is not compatible.
229	781VBS-3	No	Biosparge	SS054	SS054	1172337.59	1136724.30	1" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	N/A	Yes	65.0							60.0 - 65.0	5.0						Well head adapted for sparging. Lock is not compatible.
230	781VBS-4	No	Biosparge	SS054	SS054	1172364.22	1136742.99	1" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	N/A	Yes	62.0							57.0 - 62.0	5.0						Well head adapted for sparging. Lock is not compatible.
231	781VBS-5	No	Biosparge	SS054	SS054	1172210.87	1136641.48	1" PVC	10/18/2022	Yes	No	Stick-up	No	Good	N/A	Yes	64.0							59.0 - 64.0	5.0						Well head adapted for sparging. Lock is not compatible.
232	781VBS-6	No	Biosparge	SS054	SS054	1172241.28	1136626.67	1" PVC	10/18/2022	Yes	No	Stick-up	No	Good	N/A	Yes	70.0							65.0 - 70.0	5.0						Well head adapted for sparging. Lock is not compatible.
233	781VBS-7	No	Biosparge	SS054	SS054	1172270.77	1136556.43	1" PVC	10/18/2022	Yes	No	Stick-up	No	Good	N/A	Yes	70.0							65.0 - 70.0	5.0						Well head adapted for sparging. Lock is not compatible.
234	781VBS-8	No	Biosparge	SS054	SS054	1172627.12	1136699.84	1" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	N/A	Yes	60.0							55.0 - 60.0	5.0						Well head adapted for sparging. Lock is not compatible.
235	781VBS-9	No	Biosparge	SS054	SS054	1172640.61	1136608.44	1" PVC	10/18/2022	Yes	No	Flushmount	Yes	Good	N/A	Yes	65.0							60.0 - 65.0	5.0						Well head adapted for sparging. Lock is not compatible.
236	781VBS-10	No	Biosparge	SS054	SS054	1172688.87	1136626.85	1" PVC	10/18/2022	Yes	No	Flushmount	Yes	Good	N/A	Yes	64.0							59.0 - 64.0	5.0						Well head adapted for sparging. Lock is not compatible.
237	781VBS-11	No	Biosparge	SS054	SS054	1172749.46	1136657.95	1" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	N/A	Yes	62.0							60.0 - 62.0	2.0						Well head adapted for sparging. Lock is not compatible.
238	781VBS-12	No	Biosparge	SS054	SS054	1172707.46	1136697.70	1" PVC	10/18/2022	Yes	No	Stick-up	Yes	Good	N/A	Yes	64.5							59.5 - 64.5	5.0						Well head adapted for sparging. Lock is not compatible.
239	AOC9MW-05	No	Monitoring Well	AOC 9-LTM	SS062	1181171.85	1133372.26	2" PVC	Not inspected 2022	No	No	Flushmount	Unknown	Unknown	Unknown	Unknown	14.0	484.17	482.72	-1.45				4.0 - 14.0	10.0	0.00%	No	Too close to runway to visit unescorted.		Airfield escort unavailable.	
240	AOC9MW-06	No	Monitoring Well	AOC 9-LTM	SS062	1181035.53	1133815.84	2" PVC	10/16/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	14.2	482.57	484.10	1.53	15.60	14.07	0.13	4.2 - 14.2	10.0	1.30%	No	Cleared overgrown vegetation.			
241	AOC9MW-07	Yes	Monitoring Well	AOC 9-LTM	SS062	1181437.34	1133545.46	2" PVC	8/23/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	9.2	482.75	484.83	2.08	9.20	7.12		4.2 - 9.2	5.0	0.00%	No				
242	AOC9MW-08	No	Monitoring Well	AOC 9-LTM	SS062	1181830.99	1133888.39	2" PVC	10/16/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	20.4	498.47	499.73	1.26				15.4 - 20.4	5.0			Pump in well. Cleared overgrown vegetation.			Pump present.
243	AOC9MW-9BR	No	Monitoring Well	Not Used	SS062	1181037.03	1133735.93	2" PVC	10/16/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	43.2	481.21	482.59	1.38				23.2 - 43.2	20.0			Pump in well. Cleared overgrown vegetation.			Pump present.
244	AOC9MW-11BR	No	Monitoring Well	Not Used	SS062	1182007.19	1134127.47	2" PVC	10/14/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	57.5	524.21	525.85	1.64				37.5 - 57.5	20.0			Pump in well. Cleared overgrown vegetation. Painted Bollards.			Pump present.
245	AOC9MW-12	No	Monitoring Well	AOC 9-LTM	SS062	1181781.27	1133845.24	2" PVC	10/16/2022	Yes	No	Flushmount	Yes	Good	No	Yes	19.7	509.09	508.83	-0.26				10.0 - 19.7	9.7			Pump and lock removed. New rubber slip cap added.			Vault does not allow for installation of a lock, however, well is located within secured airfield fenceline.
246	AOC9MW-13	No	Monitoring Well	AOC 9-LTM	SS062	1181793.24	1133855.65	2" PVC	10/16/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	22.2	508.53	510.76	2.23				12.2 - 22.2	10.0			Pump in well. Cleared overgrown vegetation.			Pump present.
247	AOC9MW-14	Yes	Monitoring Well	AOC 9-LTM	SS062	1181913.04	1134024.58	2" PVC	8/23/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	24.0	519.05	520.86	1.81	26.02	24.21	-0.21	14.0 - 24.0	10.0	0.00%	No	Removed pump. Added j-plug. Cleared overgrown vegetation.			
248	AOC9MW-15	Yes	Monitoring Well	AOC 9-LTM	SS062	1181701.71	1133799.71	2" PVC	8/23/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	14.0	500.04	501.99	1.95	14.52	12.57	1.43	9.0 - 14.0	5.0	28.60%	No	Pump in well.			Pump present.
249	AOC9MW-16	No	Monitoring Well	AOC 9-LTM	SS062	1181624.12	1133750.28	2" PVC	10/16/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	14.0	497.26	499.19	1.93				9.0 - 14.0	5.0			Removed tubing. Added j-plug. Cleared overgrown vegetation.			
250	AOC9MW-17	Yes	Monitoring Well	AOC 9-LTM	SS062	1181517.91	1133589.49	2" PVC	8/23/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	14.0	487.51	489.44	1.93	16.12	14.19	-0.19	9.0 - 14.0	5.0	0.00%	No	Pump in well.			Pump present.
251	AOC9MW-18	Yes	Monitoring Well	AOC 9-LTM	SS062	1182102.90	1134592.40	2" PVC	8/23/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	20.5	527.84	529.34	1.50	21.55	20.05	0.45	10.5 - 20.5	10.0	4.50%	No				
252	AOC9MW-19	Yes	Monitoring Well	AOC 9-LTM	SS062	1182022.06	1134404.34	2" PVC	8/23/2022	Yes	No	Flushmount	Yes	Good	Yes	Yes	18.7	523.38	523.05	-0.33	20.17	20.50	-1.83	8.7 - 18.7	10.0	0.00%	No				
253	AOC9MW-20	Yes	Monitoring Well	AOC 9-LTM	SS062	1181976.16	1134253.47	2" PVC	10/17/2022	Yes	No	Stick-up	Yes	New	Yes	Yes	18.0	516.67	519.31	2.64	20.87	18.23	-0.23	6.0 - 18.0	12.0		No	Installed on 10/10/2022			New monitoring well 2022.
254	AOC9MW-21	Yes	Monitoring Well	AOC 9-LTM	SS062	1181922.73	1134088.13	2" PVC	10/14/2022	Yes	No	Stick-up	Yes	New	Yes	Yes	24.0	520.55	523.22	2.67	27.21	24.54	-0.54	9.0 - 24.0	15.0		No	Installed on 10/8/2022			New monitoring well 2022.
255	AOC9MW-22	Yes	Monitoring Well	AOC 9-LTM	SS062	1181963.73	1134040.39	2" PVC	10/17/2022	Yes	No	Stick-up	Yes	New	Yes	Yes	24.0	519.60	522.47	2.87	26.74	23.87	0.13	9.0 - 24.0	15.0		No	Installed on 10/10/2022			New monitoring well 2022.
256	AOC9MW-23	Yes	Monitoring Well	AOC 9-LTM	SS062	1181969.33	1134158.06	2" PVC	10/17/2022	Yes	No	Stick-up	Yes	New	Yes	Yes	21.0	516.66	519.55	2.89	23.43	20.54	0.46	6.0 - 21.0	15.0		No	Installed on 10/11/2022			New monitoring well 2022.
257	AOC9MW-24	Yes	Monitoring Well	AOC 9-LTM	SS062	1181892.44	1134120.57	2" PVC	10/14/2022	Yes	No	Stick-up	Yes	New	Yes	Yes	24.0	520.52	523.20	2.68	26.25	23.57	0.43	9.0 - 24.0	15.0		No	Installed on 10/8/2022			New monitoring well 2022.
258	AOC9TW-95	No	Temporary Monitoring Well	Not Used	SS062	1182021.16	1134088.07	1" PVC	10/14/2022	No	No	Flushmount	N/A	N/A	N/A	N/A	23.2	522.62	522.35	-0.27				13.2 - 23.2	10.0			Small dirt opening on concrete seam, no well at location.		No well found at location.	

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Former Griffiss Air Force Base

Count	Well ID	Sampled in 2022 (Yes/No)	Well Type	Well Use	IRP Site	Northing	Easting	Casing Type	Inspection Date	Well Located (Yes/No)	Well Abandoned (Yes/No)	Surface Completion Type	Well ID (Yes/No)	Concrete Pad Condition	Lock Present (Yes/No)	Well Cap Present (Yes/No)	As-Built Depth (ft bgs)	Ground Elevation (ft amsl)	TOC Elevation (ft amsl)	Stickup Height (ft)	Last Measured Depth (ft btoc)	Last Calculated Depth (ft bgs)	Dif.	Screened Interval (ft bgs)	Screen Length	Screen Silted	Needs Redevelopment	2022 Field remarks	Future Actions/Repairs Needed	Justification for Not Identifying Well in 2022	General Comments and Comments Carried Over From Previous Well Inventories
259	G009-MW01	No	Monitoring Well	AOC 9-LTM	SS062	1181715.14	1133595.96	2" PVC	10/16/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	9.0	492.67	492.67	0.00	11.69	11.69	-2.69	4.0 - 9.0	5.0	0.00%	No		Re-survey.		Re-survey prior to groundwater elevation measurement.
260	G009-MW02	No	Monitoring Well	AOC 9-LTM	SS062	1181542.47	1133715.45	2" PVC	10/16/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	9.0	494.54	494.54	0.00	10.55	10.55	-1.55	4.0 - 9.0	5.0	0.00%	No	Pump in well. Cleared overgrown vegetation.	Re-survey.		Re-survey prior to groundwater elevation measurement.
261	G009-MW03	No	Monitoring Well	AOC 9-LTM	SS062	1181440.42	1133617.19	2" PVC	10/16/2022	Yes	No	Stick-up	Yes	Poor	No	Yes	9.0	485.10	485.10	0.00				4.0 - 9.0	5.0			All bollards down, hit by mowtractor, lock clasp is broken. Well is bent and destroyed.	Abandon.		Well is destroyed. Recommend proper abandonment.
262	G009-MW04	No	Monitoring Well	AOC 9-LTM	SS062	1181304.24	1133495.93	2" PVC	10/16/2022	Yes	No	Stick-up	Yes	Poor	Yes	Yes	16.7	483.97	483.97	0.00				6.7 - 16.7	10.0				Re-survey.		Re-survey prior to groundwater elevation measurement.
263	WSAMW-4	No	Monitoring Well	Not Used	SS062	1181718.00	1134023.00	2" PVC	10/16/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	17.2	516.86	518.72	1.86				7.2 - 17.2	10.0			Removed tubing. Cleared overgrown vegetation.			
264	789MW-46R	Yes	Monitoring Well	SS067-LTM	SS067	1173946.46	1138241.59	4" PVC	10/19/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	29.0	476.68	479.09	2.41	29.25	26.84	2.16	14.0 - 29.0	15.0	14.40%	No				
265	789MW-63R	No	Monitoring Well	SS067-LTM	SS067	1174345.41	1138378.63	2" PVC	10/19/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	29.0	478.42	480.21	1.79				14.0 - 29.0	15.0						
266	789MW-64	No	Monitoring Well	SS067-LTM	SS067	1174419.27	1138155.83	2" PVC	10/19/2022	Yes	No	Stick-up	Yes	Poor	No	Yes	22.0	476.16	478.53	2.37				12.0 - 22.0	10.0			Well and bollards hit by mower tractor. Heavily damaged, likely destroyed.	Evaluate for repair or abandonment. Replace protective casing and bollards if well is determined to be usable.		Heavily damaged. May need to be abandoned.
267	789MW-83	Yes	Monitoring Well	SS067-LTM	SS067	1174133.67	1138394.51	2" PVC	10/19/2022	Yes	No	Flushmount	Yes	Good	No	Yes	31.0	479.29	478.79	-0.50	29.87	29.37	1.63	21.0 - 31.0	10.0	16.30%	No	PVC riser broken unevenly. Replaced j-plug, it can not be locked.	Attempt repair of PVC at TOC. Re-survey		Repair PVC and re-survey prior to groundwater elevation measurement. Well head completion does not allow for lock installation.
268	789MW-95	Yes	Monitoring Well	SS067-LTM	SS067	1174293.54	1138106.77	2" PVC	10/19/2022	Yes	No	Stick-up	Yes	Bad	Yes	Yes	20.5	477.28	479.39	2.11	22.07	19.96	0.54	10.5 - 20.5	10.0	5.40%	No	Pad heavily damaged.	Repair concrete.		
269	789MW-96	No	Monitoring Well	SS067-LTM	SS067	1174085.78	1138127.20	4" PVC	10/19/2022	Yes	No	Stick-up	Yes	Good	No	Yes	24.5	474.71	476.69	1.98	30.50	28.52	-4.02	14.5 - 24.5	10.0	0.00%	No				Well head completion does not allow for lock installation.
270	789MW-97	No	Monitoring Well	SS067-LTM	SS067	1174144.38	1138027.15	4" PVC	10/19/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	25.0	475.88	478.06	2.18	26.70	24.52	0.48	15.0 - 25.0	10.0	4.80%	No				
271	789MW-98	Yes	Monitoring Well	SS067-LTM	SS067	1174058.90	1137931.05	4" PVC	10/19/2022	Yes	No	Flushmount	Yes	Good	No	Yes	20.0	476.59	476.32	-0.27	19.67	19.94	0.06	10.0 - 20.0	10.0	0.60%	No	Well found open. Obstruction at ~17 ft btoc. Smells like dead animal.	Remove obstruction.		
272	789MW-99	Yes	Monitoring Well	SS067-LTM	SS067	1173966.05	1138022.60	4" PVC	10/19/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	24.5	474.85	475.80	0.95	27.09	26.14	-1.64	14.5 - 24.5	10.0	0.00%	No				
273	789MW-100	Yes	Monitoring Well	SS067-LTM	SS067	1173833.09	1137798.88	2" PVC	10/19/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	21.0	476.11	478.08	1.97	29	27.03	-6.03	11.0 - 21.0	10.0	0.00%					
274	789MW-101	No	Monitoring Well	SS067-LTM	SS067	1174188.99	1139180.95	2" PVC	10/19/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	15.0	448.58	450.86	2.28				5.0 - 15.0	10.0			Blister in PVC ~1.5 ft btoc.			
275	789MW-102	Yes	Monitoring Well	SS067-LTM	SS067	1173999.60	1139292.87	2" PVC	10/19/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	15.0	448.23	451.03	2.80	17.79	14.99	0.01	5.0 - 15.0	10.0	0.10%	No				
276	789MW-103	No	Monitoring Well	SS067-LTM	SS067	1173816.99	1139411.93	2" PVC	10/19/2022	Yes	No	Stick-up	Yes	Destroyed	Yes	Yes	15.0	447.50	449.99	2.49	17.50	15.01	-0.01	5.0 - 15.0	10.0	0.00%	No	Struck by mower tractor. Stickup completion is bent over, probably destroyed.	Abandon.		Suggest proper abandonment.
277	789MW-134	No	Monitoring Well	SS067-LTM	SS067	1174176.94	1138621.97	2" PVC	10/19/2022	Yes	No	Flushmount	Yes	Good	No	Yes	33.0	481.26	480.74	-0.52	33.40	32.88	0.12	23.0 - 33.0	10.0	1.20%	No	New bolts could not be added, female vault threads too damaged.			Well head completion does not allow for lock installation. Consider replacing vault.
278	789MW-135	Yes	Monitoring Well	SS067-LTM	SS067	1174061.91	1138663.65	2" PVC	10/19/2022	Yes	No	Flushmount	Yes	Good	No	Yes	33.0	482.02	481.54	-0.48	33.10	32.62	0.38	23.0 - 33.0	10.0	3.80%	No	Added bolts.			Well head completion does not allow for lock installation.
279	789MW-214	No	Monitoring Well	SS067-LTM	SS067	1174312.83	1138288.64	2" PVC	10/19/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	28.0	478.16	479.19	1.03			28.00	23.0 - 28.0	5.0			Added lock.	Re-survey.		Re-survey prior to groundwater elevation measurement.
280	789MW-215	No	Monitoring Well	SS067-LTM	SS067	1174240.92	1138369.74	2" PVC	10/19/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	30.0	473.95	481.16	7.21			30.00	25.0 - 30.0	5.0						
281	789MW-216	Yes	Monitoring Well	SS067-LTM	SS067	1174185.00	1138260.00	2" PVC	10/19/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	29.0	476.38	479.19	2.81	27.97	25.16	3.84	19.0 - 29.0	10.0				Re-survey.		Re-survey prior to groundwater elevation measurement.
282	789MW-222	Yes	Monitoring Well	SS067-LTM	SS067	1174007.96	1138435.08	2" PVC	10/19/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	28.0	479.51	482.57	3.06	30.37	27.31	0.69	18.0 - 28.0	10.0			Replaced j-plug.	Re-survey.		Re-survey prior to groundwater elevation measurement.
283	789MW-223	No	Monitoring Well	SS067-LTM	SS067	1173858.03	1138102.56	2" PVC	10/19/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	23.0	470.00	475.79	5.79				13.0 - 23.0	10.0				Re-survey.		Re-survey prior to groundwater elevation measurement.
284	789MW-250	No	Monitoring Well	SS067-LTM	SS067	1174155.20	1138076.20	2" PVC	10/19/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	33.0	475.00	478.46	3.46	33.85	30.39	2.61	5.8 - 30.8	25.0		No				
285	789MW-251	Yes	Monitoring Well	SS067-LTM	SS067	1174163.20	1138122.70	2" PVC	10/19/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	30.0	475.60	478.50	2.90	31.04	28.14	1.86	4.8 - 29.8	25.0		No				
286	789MW-252	No	Monitoring Well	SS067-LTM	SS067	1174098.80	1138144.90	2" PVC	10/19/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	33.0	475.10	478.04	2.94	32.80	29.86	3.14	4.8 - 29.8	25.0		No				
287	789MW-253	Yes	Monitoring Well	SS067-LTM	SS067	1173900.06	1138010.67	2" PVC	10/13/2022	Yes	No	Stick-up	Yes	New	Yes	Yes	26.0	474.98	477.92	2.94	28.43	25.49	0.51	11.0 - 26.0	15.0		No	Installed on 10/4/2022			New monitoring well 2022.
288	789MW-254	Yes	Monitoring Well	SS067-LTM	SS067	1174117.64	1137877.00	2" PVC	10/13/2022	Yes	No	Stick-up	Yes	New	Yes	Yes	26.0	476.68	479.82	3.14	29.07	25.93	0.07	11.0 - 26.0	15.0		No	Installed on 10/4/2022			New monitoring well 2022.
289	789MW-255	Yes	Monitoring Well	SS067-LTM	SS067	1174170.09	1137948.01	2" PVC	10/13/2022	Yes	No	Stick-up	Yes	New	Yes	Yes	26.0	476.51	478.82	2.31	26.70	24.39	1.61	11.0 - 26.0	15.0		No	Installed on 10/5/2022			New monitoring well 2022.
290	789MW-256	Yes	Monitoring Well	SS067-LTM	SS067	1174253.20	1138007.83	2" PVC	10/13/2022	Yes	No	Stick-up	Yes	New	Yes	Yes	26.0	477.13	479.90	2.77	29.00	26.23	-0.23	6.0 - 26.0	20.0		No	Installed on 10/5/2022			New monitoring well 2022.
291	789MW-257	Yes	Monitoring Well	SS067-LTM	SS067	1173900.00	1139010.95	2" PVC	10/14/2022	Yes	No	Stick-up	Yes	New	Yes	Yes	48.0	481.21	483.72	2.51	49.70	47.19	0.81	33.0 - 48.0	15.0		No	Installed on 10/6/2022			New monitoring well 2022.
292	789RW-200	No	Recovery Well	SS067-LTM	SS067	1174168.62	1138106.95	6" PVC	10/19/2022	Yes	No	Vault	Yes	Good	No	Yes		476.18	475.34	-0.84											Well head completion does not allow for lock installation.
293	789RW-201	No	Recovery Well	SS067-LTM	SS067	1174106.11	1138357.27	6" PVC	10/19/2022	Yes	No	Vault	Yes	Good	N/A	Yes		478.82	477.97	-0.85											Well head completion does not allow for lock installation.
294	789RW-202	No	Recovery Well	SS067-LTM	SS067	1174069.02	1138199.55	6" PVC	10/19/2022	Yes	No	Vault	Yes	Good	N/A	Yes		476.68	475.37	-1.31											Well head completion does not allow for lock installation.
295	789RW-203	No	Recovery Well	SS067-LTM	SS067	1174206.70	1138180.24	6" PVC	10/19/2022	Yes	No	Vault	Yes	Good	N/A	Yes		476.88	476.05	-0.83	32.50	31.67									Well head completion does not allow for lock installation.
296	789RW-204	No	Recovery Well	SS067-LTM	SS067	1174066.47	1138283.07	6" PVC	10/19/2022	Yes	No	Vault	No	Good	N/A	Yes		477.82	477.10	-0.72											Well head completion does not allow for lock installation.
297	789RW-205	No	Recovery Well	SS067-LTM	SS067	1174127.69	1138149.89	6" PVC	10/19/2022	Yes	No	Vault	Yes	Good	N/A	Yes		475.97	475.06	-0.91											Well head completion does not allow for lock installation.
298	789RW-206	No	Recovery Well	SS067-LTM	SS067	1174118.30	1138222.76	6" PVC	10/19/2022	Yes	No	Vault	Yes	Good	N/A	Yes		476.83	475.57	-1.26											Well head completion does not allow for lock installation.
299	789RW-207	No	Recovery Well	SS067-LTM	SS067	1174118.01	1138292.73	6" PVC	10/19/2022	Yes	No	Vault	No	Good	N/A	Yes		477.99	477.30	-0.69											Well head completion does not allow for lock installation.
300	789RW-208	No	Recovery Well	SS067-LTM	SS067	1174121.19	1138404.09	6" PVC	10/19/2022	Yes	No	Vault	Yes	Good	N/A	Yes		479.35	478.69	-0.66											Well head completion does not allow for lock installation.
301	789RW-209	No	Recovery Well	SS067-LTM	SS067	1174251.53	1138093.26	6" PVC	10/19/2022	Yes	No	Vault	No	Good	N/A	Yes		476.68	475.93	-0.75											Well head completion does not allow for lock installation.
302	789RW-210	No	Recovery Well	SS067-LTM	SS067	1174086.89	1138320.61	6" PVC	10/19/2022	Yes	No	Vault	Yes	Good	N/A	Yes		478.45	478.42	-0.03											Well head completion does not allow for lock installation.
303	789RW-211	No	Recovery Well	SS067-LTM	SS067	1174147.96	1138128.05	6" PVC	10/19/2022	Yes	No	Vault	Yes	Good	N/A	Yes		475.92	476.00	0.08											Well head completion does not allow for lock installation.
304	789RW-212	No	Recovery Well	SS067-LTM	SS067	1174016.63	1138218.43	6" PVC	10/19/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	28.5	476.34	478.28	1.94				13.5 - 28.5	15.0						
305	789RW-213	No	Recovery Well	SS067-LTM	SS067	1174103.69	1138014.20	6" PVC	10/19/2022	Yes	No	Stick-up	No	Good	Yes	Yes	32.0	475.39	477.19	1.80				17.0 - 32.0	15.0						
306	789RW-217	No	Recovery Well	SS067-LTM	SS067	1174211.77	1138107.42	4" PVC	10/19/2022	Yes	No	Vault	No	Good	No	Yes	30.0							15.0 - 30.0	15.0						Well head completion does not allow for lock installation.
307	789RW-218	No	Recovery Well	SS067-LTM	SS067	1174167.83	1138138.14	4" PVC	10/19/2022	Yes	No	Stick-up	Yes	N/A	No	Yes	30.0							15.0 - 30.0	15.0		Yes		Re-develop.		Soils and unkown debris have fallen into the well while the surface completion was damaged, must be cleared of debris and re-developed prior to any use.

Table 1
2022 Well Inventory
Former Griffiss Air Force Base

Count	Well ID	Sampled in 2022 (Yes/No)	Well Type	Well Use	IRP Site	Northing	Easting	Casing Type	Inspection Date	Well Located (Yes/No)	Well Abandoned (Yes/No)	Surface Completion Type	Well ID (Yes/No)	Concrete Pad Condition	Lock Present (Yes/No)	Well Cap Present (Yes/No)	As-Built Depth (ft bgs)	Ground Elevation (ft amsl)	TOC Elevation (ft amsl)	Stickup Height (ft)	Last Measured Depth (ft btoc)	Last Calculated Depth (ft bgs)	Dif.	Screened Interval (ft bgs)	Screen Length	Screen Silted	Needs Redevelopment	2022 Field remarks	Future Actions/Repairs Needed	Justification for Not Identifying Well in 2022	General Comments and Comments Carried Over From Previous Well Inventories
308	789RW-219	No	Recovery Well	SS067-LTM	SS067	1174077.05	1138160.11	4" PVC	10/19/2022	Yes	No	Stick-up	Yes	Good	Yes	Yes	30.0							15.0 - 30.0	15.0						
309	789RW-220	No	Recovery Well	SS067-LTM	SS067	1174086.92	1138239.42	4" PVC	10/19/2022	Yes	No	Stick-up	No	Good	No	Yes	20.0							10.0 - 20.0	10.0						
310	789RW-221	No	Recovery Well	SS067-LTM	SS067	1174045.73	1138255.60	4" PVC	10/19/2022	Yes	No	Stick-up	No	Good	No	Yes	25.0							10.0 - 25.0	15.0						
311	MW01001	No	Monitoring Well	PFC - Site Investigation	PFC	1175072.67	1134318.06	1" PVC	10/19/2022	Yes	No	Flushmount	Yes	Good	Yes	Yes	16.5	456.07	455.85	-0.22				6.5 - 16.5	10.0						
312	MW01003	No	Monitoring Well	PFC - Site Investigation	PFC	1174983.47	1134397.45	1" PVC	10/19/2022	Yes	No	Flushmount	Yes	Good	N/A	Yes	16.0	455.94	455.80	-0.14				6.0 - 16.0	10.0						Vault does not allow for installation of a lock.
313	MW02001	No	Monitoring Well	PFC - Site Investigation	PFC	1175926.29	1136638.39	1" PVC	Not inspected 2022	No	No	Flushmount	No*	Good*	N/A	Yes*	20.0	472.26	471.81	-0.45				10.0 - 20.0	10.0			Airfield escort unavailable.		Airfield escort unavailable.	Vault does not allow for installation of a lock.
314	MW02002	No	Monitoring Well	PFC - Site Investigation	PFC	1176095.48	1136689.17	1" PVC	Not inspected 2022	No	No	Flushmount	No*	Good*	N/A	Yes*	20.0	472.50	472.17	-0.33				10.0 - 20.0	10.0			Airfield escort unavailable.		Airfield escort unavailable.	Vault does not allow for installation of a lock.
315	MW02003	No	Monitoring Well	PFC - Site Investigation	PFC	1176202.52	1136575.81	1" PVC	Not inspected 2022	No	No	Flushmount	No*	Good*	N/A	Yes*	20.0	470.58	470.33	-0.25				10.0 - 20.0	10.0			Airfield escort unavailable.		Airfield escort unavailable.	Vault does not allow for installation of a lock.
316	MW02004	No	Monitoring Well	PFC - Site Investigation	PFC	1176073.02	1136489.55	1" PVC	Not inspected 2022	No	No	Flushmount	No*	Good*	N/A	Yes*	20.0	466.89	466.61	-0.28				10.0 - 20.0	10.0			Airfield escort unavailable.		Airfield escort unavailable.	Vault does not allow for installation of a lock.
317	MW03001	No	Monitoring Well	PFC - Site Investigation	PFC	1177005.99	1135764.11	1" PVC	10/17/2022	Yes	No	Flushmount	No	Good	N/A	Yes	20.0	471.05	470.58	-0.47				10.0 - 20.0	10.0						Vault does not allow for installation of a lock.
318	MW03002	No	Monitoring Well	PFC - Site Investigation	PFC	1176752.10	1135663.95	1" PVC	10/17/2022	Yes	No	Flushmount	Yes	Good	N/A	Yes	20.0	468.56	468.45	-0.11				10.0 - 20.0	10.0						Vault does not allow for installation of a lock.
319	MW03003	No	Monitoring Well	PFC - Site Investigation	PFC	1176959.03	1135434.55	1" PVC	10/17/2022	Yes	No	Flushmount	Yes	Good	N/A	Yes	21.0	469.94	469.62	-0.32				11.0 - 21.0	10.0						Vault does not allow for installation of a lock.
320	MW05001	No	Monitoring Well	PFC - Site Investigation	PFC	1176007.32	1135862.16	1" PVC	10/17/2022	Yes	No	Flushmount	No	Good	N/A	Yes	20.0	466.90	466.30	-0.60				10.0 - 20.0	10.0			Added ID.			Vault does not allow for installation of a lock.
321	MW05002	No	Monitoring Well	PFC - Site Investigation	PFC	1176043.91	1135844.12	1" PVC	10/17/2022	Yes	No	Flushmount	No	Good	N/A	Yes	20.0	467.05	466.52	-0.53				10.0 - 20.0	10.0						Vault does not allow for installation of a lock.
322	MW05003	No	Monitoring Well	PFC - Site Investigation	PFC	1176026.77	1135832.21	1" PVC	10/17/2022	Yes	No	Flushmount	No	Good	N/A	Yes	20.0	467.22	466.81	-0.41				10.0 - 20.0	10.0						Vault does not allow for installation of a lock.
323	MW06001	No	Monitoring Well	PFC - Site Investigation	PFC	1177547.09	1133557.81	1" PVC	10/17/2022	Yes	No	Flushmount	No	Good	N/A	Yes	20.0	470.12	469.67	-0.45				10.0 - 20.0	10.0						Vault does not allow for installation of a lock.
324	MW06002	No	Monitoring Well	PFC - Site Investigation	PFC	1177523.66	1133815.65	1" PVC	10/17/2022	Yes	No	Flushmount	No	Good	N/A	Yes	20.0	469.71	469.26	-0.45				10.0 - 20.0	10.0						Vault does not allow for installation of a lock.
325	MW07002	No	Monitoring Well	PFC - Site Investigation	PFC	1177382.89	1132151.87	1" PVC	10/17/2022	Yes	No	Flushmount	No	Good	N/A	Yes	22.0	472.24	472.10	-0.14				12.0 - 22.0	10.0						Vault does not allow for installation of a lock.
326	MW07003	No	Monitoring Well	PFC - Site Investigation	PFC	1177399.09	1132847.80	1" PVC	10/17/2022	Yes	No	Flushmount	No	Good	N/A	Yes	22.0	472.46	472.37	-0.09				12.0 - 22.0	10.0						Vault does not allow for installation of a lock.
327	MW07004	No	Monitoring Well	PFC - Site Investigation	PFC	1177317.06	1133055.72	1" PVC	10/17/2022	Yes	No	Flushmount	No	Good	N/A	Yes	21.2	471.62	471.36	-0.26				11.2 - 21.2	10.0						Vault does not allow for installation of a lock.
328	MW08001	No	Monitoring Well	PFC - Site Investigation	PFC	1177252.69	1134675.31	1" PVC	10/17/2022	Yes	No	Flushmount	No	Good	Unknown	Unknown	20.0	471.09	470.98	-0.11				10.0 - 20.0	10.0						
329	MW08002	No	Monitoring Well	PFC - Site Investigation	PFC	1177097.65	1134841.76	1" PVC	10/17/2022	Yes	No	Flushmount	No	Poor	Unknown	Unknown	22.0	471.41	471.04	-0.37				12.0 - 22.0	10.0			Concrete pad has lifted above asphalt grade several inches.	Repair/Replace vault.		Repair/replace vault and re-survey prior to water elevation measurement.
330	MW08003	No	Monitoring Well	PFC - Site Investigation	PFC	1176971.29	1134977.32	1" PVC	10/17/2022	Yes	No	Flushmount	No	Poor	Unknown	Unknown	20.0	471.55	471.15	-0.40				10.0 - 20.0	10.0			Concrete pad has lifted above asphalt grade several inches.	Repair/Replace vault.		Repair/replace vault and re-survey prior to water elevation measurement.
331	MW09001	No	Monitoring Well	PFC - Site Investigation	PFC	1182233.23	1134426.53	1" PVC	10/17/2022	Yes	No	Flushmount	Yes	Good	N/A	Yes	23.0	525.45	525.25	-0.20				13.0 - 23.0	10.0			Added ID.			Vault does not allow for installation of a lock.
332	MW09004	No	Monitoring Well	PFC - Site Investigation	PFC	1182184.89	1134490.51	1" PVC	10/17/2022	Yes	No	Flushmount	Yes	N/A	N/A	Yes	20.0	524.94	524.72	-0.22				10.0 - 20.0	10.0			Surface completion is a water meter box. Added ID.			Vault does not allow for installation of a lock.
333	MW10001	No	Monitoring Well	PFC - Site Investigation	PFC	1179435.11	1136687.19	1" PVC	Not inspected 2022	No	No	Flushmount	Unknown	Unknown	N/A	Unknown	20.0	527.06	526.78	-0.28				10.0 - 20.0	10.0			Vegetation prevented access.	Add ID. Remove overgrown vegetation.	Vegetation.	Vault does not allow for installation of a lock.
334	MW10002	No	Monitoring Well	PFC - Site Investigation	PFC	1179319.74	1136742.11	1" PVC	Not inspected 2022	No	No	Flushmount	Unknown	Unknown	N/A	Unknown	20.0	527.66	527.51	-0.15				10.0 - 20.0	10.0			Vegetation prevented access.	Add ID. Remove overgrown vegetation.	Vegetation.	Vault does not allow for installation of a lock.
335	MW10003	No	Monitoring Well	PFC - Site Investigation	PFC	1179342.08	1136862.82	1" PVC	Not inspected 2022	No	No	Flushmount	Unknown	Unknown	N/A	Unknown	20.0	528.81	528.45	-0.36				10.0 - 20.0	10.0			Vegetation prevented access.	Add ID. Remove overgrown vegetation.	Vegetation.	Vault does not allow for installation of a lock.
336	MW11001	No	Monitoring Well	PFC - Site Investigation	PFC	1178745.23	1132360.90	1" PVC	Not inspected 2022	No	No	Flushmount	No*	Good*	N/A	Yes*	25.0	478.81	478.30	-0.51				15.0 - 25.0	10.0			Airfield escort unavailable.	Add ID.	Airfield escort unavailable.	Vault does not allow for installation of a lock.
337	MW11002	No	Monitoring Well	PFC - Site Investigation	PFC	1178745.12	1132883.53	1" PVC	Not inspected 2022	No	No	Flushmount	No*	Good*	N/A	Yes*	25.0	477.33	476.90	-0.43				15.0 - 25.0	10.0			Airfield escort unavailable.	Add ID.	Airfield escort unavailable.	Vault does not allow for installation of a lock.
338	MW11003	No	Monitoring Well	PFC - Site Investigation	PFC	1178773.92	1133625.95	1" PVC	Not inspected 2022	No	No	Flushmount	Unknown	N/A	N/A	Unknown	25.0	475.76	475.38	-0.38				15.0 - 25.0	10.0			Airfield escort unavailable.	Add ID.	Airfield escort unavailable.	Vault does not allow for installation of a lock.

Table 1
2022 Well Inventory
Former Griffiss Air Force Base

Count	Well ID	Sampled in 2022 (Yes/No)	Well Type	Well Use	IRP Site	Northing	Easting	Casing Type	Inspection Date	Well Located (Yes/No)	Well Abandoned (Yes/No)	Surface Completion Type	Well ID (Yes/No)	Concrete Pad Condition	Lock Present (Yes/No)	Well Cap Present (Yes/No)	As-Built Depth (ft bgs)	Ground Elevation (ft amsl)	TOC Elevation (ft amsl)	Stickup Height (ft)	Last Measured Depth (ft btoc)	Last Calculated Depth (ft bgs)	Dif.	Screened Interval (ft bgs)	Screen Length	Screen Silted	Needs Redevelopment	2022 Field remarks	Future Actions/Repairs Needed	Justification for Not Identifying Well in 2022	General Comments and Comments Carried Over From Previous Well Inventories
339	MW14001	No	Monitoring Well	PFC - Site Investigation	PFC	1175487.10	1138754.80	1" PVC	Not inspected 2022	No	No	Stick-up	No*	N/A	Yes*	Yes*	10.0	472.90	476.10	3.20				2.0 - 10.0	8.0			Airfield escort unavailable.	Add ID.	Airfield escort unavailable.	1" PVC stick-up marker with 1" stick-up well.
340	MW14002	No	Monitoring Well	PFC - Site Investigation	PFC	1175278.33	1138787.28	1" PVC	Not inspected 2022	No	No	Stick-up	No*	N/A	Yes*	Yes*	11.0	462.00	464.45	2.45				1.0 - 11.0	10.0			Airfield escort unavailable.	Add ID.	Airfield escort unavailable.	1" PVC stick-up marker with 1" stick-up well.
341	MW14003	No	Monitoring Well	PFC - Site Investigation	PFC	1175112.37	1138987.54	1" PVC	Not inspected 2022	No	No	Stick-up	No*	N/A	Yes*	Yes*	11.0	461.77	464.27	2.50				1.0 - 11.0	10.0			Airfield escort unavailable.	Add ID.	Airfield escort unavailable.	1" PVC stick-up marker with 1" stick-up well.
342	MW14004	No	Monitoring Well	PFC - Site Investigation	PFC	1174798.73	1138957.44	1" PVC	Not inspected 2022	No	No	Flushmount	No*	N/A	Yes*	Yes*	18.0	455.00	454.70	-0.30				8.0 - 18.0	10.0			Airfield escort unavailable.	Add ID.	Airfield escort unavailable.	1" PVC stick-up marker with flushmount vault. Vault does not allow for installation of a lock.
343	MW14005	No	Monitoring Well	PFC - Site Investigation	PFC	1174591.33	1139070.07	1" PVC	Not inspected 2022	No	No	Stick-up	No*	N/A	Yes*	Yes*	12.0	447.16	449.83	2.67				2.0 - 12.0	10.0			Airfield escort unavailable.	Add ID.	Airfield escort unavailable.	1" PVC stick-up marker with 1" stick-up well.
344	AP1MW-1	No	Monitoring Well	CSS681 - LTM	CSS681	1174225.00	1136299.00	2" PVC	10/18/2022	Yes	No	Flushmount	Yes	Good	Yes	Yes	20.0	476.73	476.46	-0.27			20.00	10.0 - 20.0	10.0		No	New bolts added.			
345	AP1MW-2	No	Monitoring Well	CSS681 - LTM	CSS681	1174221.40	1136338.90	2" PVC	10/18/2022	Yes	No	Flushmount	Yes	Good	Yes	Yes	23.0	476.14	475.91	-0.23			23.00	13.0 - 23.0	10.0		No	New bolts added.			
346	AP1MW-3	No	Monitoring Well	CSS681 - LTM	CSS681	1174226.00	1136253.40	2" PVC	10/18/2022	Yes	No	Flushmount	Yes	Good	Unknown	Unknown	21.0	478.12	477.88	-0.24			21.00	11.0 - 21.0	10.0		No	Location inspection only.			
347	AP1MW-4	No	Monitoring Well	CSS681 - LTM	CSS681	1174275.80	1136282.20	2" PVC	10/18/2022	Yes	No	Flushmount	Yes	Good	Unknown	Unknown	21.0	477.93	477.51	-0.42			21.00	11.0 - 21.0	10.0		No	Location inspection only.			
348	AP1MW-5	No	Monitoring Well	CSS681 - LTM	CSS681	1174194.20	1136295.50	2" PVC	10/18/2022	Yes	No	Flushmount	Yes	Good	Yes	Yes	20.0	476.57	476.27	-0.30			20.00	10.0 - 20.0	10.0		No				

Total wells sampled in 2022:	71
Total wells not sampled in 2022:	277
AFFF wells inspected in 2022:	18
Total wells located in 2022:	315
Total wells not located in 2022:	33
Wells requiring maintenance in 2023:	55

Notes:
* = entry carried over from the last visit
ID = Identification, IRP = Installation Restoration Program
ft bgs = Feet below ground surface, TOC = top of casing
amsl = above mean sea level, btoc = below top of casing
N/A = Not applicable
ERPIMS = Environmental Resources Program Information Management System
AR = Administrative Record
LTM = Long Term Monitoring
PFC = Perfluorinated Compound
AFFF = Aqueous film forming foam
PVC = Polyvinyl chloride
SS = stainless steel
TBD = To be determined
USGS - United States Geological Survey

Table 2
2022 Wells Removed From Inventory
Former Griffiss Air Force Base

Count	Well ID	Well Type	Well Use	IRP Site	Northing	Easting	Casing Type	Inspection Date	Well Located (Yes/No)	Well Abandoned (Yes/No)	2022 Field remarks	General Comments
1	AOC9TW-26	Temporary Monitoring Well	Not Used	SS062	1182030.53	1134115.03	1" PVC	10/14/2022	No	No	No evidence of former temp well at location.	No well found at location in 2020, 2021, and 2022. Remove from inventory.
2	MW04002	Monitoring Well	PFC - Site Investigation	PFC	1177159.17	1135619.01	1" PVC	10/17/2022	No	No	Appears to be covered from graded soil from building construction or asphalt.	Appears to be covered from graded soil from building construction or asphalt, reported in 2020, 2021, and 2022. Remove from inventory.

Notes:
ID = Identification, IRP = Installation Restoration Program
PFC = Perfluorinated Compound
PVC = Polyvinyl chloride

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FIGURE AND PLATE

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Former Griffiss Air Force Base Location Map

Figure 1

2022 Annual Well-Inspection Survey and Well Maintenance
Former Griffiss Air Force Base Rome, New York

PROJECT NO:	SCALE:	DATE:	DRAWN BY:
MSC2021.0012	As Shown	4/28/2023	MRM

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Basewide Well Locations

Plate 1

2022 Annual Well-Inspection Survey and Well Maintenance
Former Griffiss Air Force Base Rome, New York

PROJECT NO:	SCALE:	DATE:	DRAWN BY:
MSC2021.0012	As Shown	4/28/2023	MRM

Notes:
This information is depicted to provide visual aid within the context of this document and should not be used as a sole reference in precise dimensioning of features indicated. Please verify the location of all features including underground and aboveground utilities prior to conducting any subsurface exploration or site assessment.

Aerial Photography Source: Google Earth, October 2, 2017

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