



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID:

BGMW12

Client: USACE (W912PP23R0023)

Date: 04 / 06 / 2025

Project # Eco-23-809

Sampling Personnel: GN, MG

Location: Fort Wingate Army Depot

Casing Diameter: 2"

Initial Depth-to-Water (ft): 20.91

Purging Method: Grundfos Submersible Pump

(w/ pump)

Monitoring Method: Horiba U-52

Well Depth (ft): 36

Screen (ft): 12 to 32

Purging Date: 04 / 06 / 2025

Water Column (ft): 15.09

Midscreen (ft): 22

Sampling Date: 04 / 07 / 2025

Recommended Pump Settings: 120 - 160 Hz

Purge Dry: Yes No

Field Pump Settings: 121 - 180 Hz

Color of water: Clear			Odor: None		
Original Sample			Duplicate Sample		
ID#	BGMW12042025	Time 0830	ID#	—	Time —
			MS/ MSD		
			Yes No		

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (gal)	Purge Rate (gal/m)	Comments
1440	Started Purging						20.91		0.07	
1443	14.39	7.26	29	2.34	57.1	0.31	22.25			
1446	15.11	7.34	52	2.29	29.7	1.56	22.04			21.54
1449	15.75	7.30	53	2.30	15.6	1.68	21.65			
1452	15.95	7.32	55	2.30	14.6	1.69	21.70			
1455	16.13	7.25	52	2.31	11.4	6.47	21.80	1.0		121 Hz
1458	14.67	7.23	52	2.30	15.5	6.76	23.25		1.6	
1501	14.30	7.21	55	2.29	14.5	0.62	25.22			134 Hz
1504	14.00	7.20	57	2.29	21.5	0.21	26.00			
1507	13.87	7.18	57	2.30	27.0	0.50	28.41			150 Hz
1510	13.49	7.17	59	2.30	46.1	0.59	30.25			180 Hz
1513	13.44	7.11	59	2.30	19.8	2.06	32.19			
1516	13.39	7.17	59	2.30	13.7	0.83	33.10			
1522	Well Purged Dry							38.0		
5										

Sample Date	Number of Containers	Sample Containers (Volume, Type, No.)	Preservatives (Ice, Acids, Bases)	Analytical Method	Laboratory
04/07/2025	3	40 mL VOA	HCl	8260	Eurofins
	1	250 mL Amber	Ice	8270	Eurofins
	2	250 mL Poly	Ice	9056	Eurofins
	1	500 mL Poly	HNO3	6010/6020/7470 (Dis)	Eurofins
	1	500 mL Poly	HNO3	6010/6020/7470 (Tot)	Eurofins
	1	125 mL Poly	Ice	6850 / 6860	Eurofins
	1	500 mL Amber	Ice	8330	Eurofins
	3	40 mL VOA	HCl	8015B GRO	Eurofins
	1	1 Liter Amber	Ice	8015B DRO	Eurofins
	1	1 Liter Amber	Ice	Spare	Eurofins

Discharge water Evaporation Pit

Comments:

Well Cap and casing condition

Good Fair / Bad



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID:

MW23

Client: USACE (W912PP23R0023)

Date: 04 / 06 / 2025

Project # Eco-23-809

Sampling Personnel: GN, MG

Location: Fort Wingate Army Depot

Casing Diameter: 2.5"

Initial Depth-to-Water (ft): 13.07

Purging Method: Grundfos Submersible Pump

(w/ pump)

Monitoring Method: Horiba U-52

Well Depth (ft): 137

Screen (ft): 63.5 to 133.5

Purging Date: 04 / 06 / 2025

Water Column (ft): 123.93

Midscreen (ft): 98.5

Sampling Date: 04 / 07 / 2025

Recommended Pump Settings: 80 psi

Purge Dry: ☒ Yes ☐ No

Field Pump Settings: 101 - 280 Hz

Color of water: light brown (murky)

Odor: None Slight sulfuric smell

Original Sample

Duplicate Sample

MS/MSD

ID# MW23042025 Time 0745

ID# — Time —

Yes ☒ No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (gal)	Purge Rate (gal/m)	Comments
0915	start Purging						13.07			101 Hz, Drawdown
0920	10.40	7.74	73	2.00	151	0.69	21.41			Test // 105 Hz
0930	11.19	7.47	41	1.99	81.5	2.37	24.12			110 Hz, ↑ 111.6 Hz
0940	11.38	7.35	-79	1.92	40.5	0.78	25.85			116.9 Hz
0945								5.00	260 mL/m	Finished drawdown test
0950	12.41	7.29	-98	1.92	21.1	0.74	36.55			182 Hz
1000	13.21	7.15	-101	1.87	13.1	1.75	57.72			190 Hz
1010	13.50	7.22	-95	1.89	9.8	6.71	68.11			194.7 Hz
1020	14.14	7.23	-103	1.88	8.0	0.51	73.27			215.2 Hz
1030	13.56	7.21	-111	1.87	11.3	0.79	79.31			253-254.4 Hz
1040	14.06	7.04	-108	1.88	18.6	0.68	101.07			
1050	14.80	7.21	-118	1.90	445	0.78	117.95			
1100	15.17	7.53	-96	1.87	427	6.78	122.65			270 Hz
1110	14.64	7.68	-66	1.96	560	0.47	132.92			280 Hz
1112	Well Purged Dry							65.00	0.839/m	
Sample Date		Number of Containers		Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory
04/07/2025		3		40 mL VOA		HCl		8260		Eurofins
↓		1		500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins
		1		500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins
		1		125 mL Poly		Ice		6850 / 6860		Eurofins



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID:

MW32

Client: USACE (W912PP23R0023)

Date: 04 / 06 / 2025

Project # Eco-23-809

Sampling Personnel: GN, MG

Location: Fort Wingate Army Depot

Casing Diameter: 2"

Initial Depth-to-Water (ft): 47.54

Purging Method: Grundfos Submersible Pump

(w/pump)

Monitoring Method: Horiba U-52

Well Depth (ft): 63

Screen (ft): 40 to 60

Purging Date: 04 / 06 / 2025

Water Column (ft): 15.46

Midscreen (ft): 50

Sampling Date: 04 / 07 / 2025

Recommended Pump Settings: 170 - 230 Hz

Purge Dry: Yes No

Field Pump Settings: 153 - 200 Hz

Color of water: light brown

Odor: None

Original Sample

Duplicate Sample

MS/MSD

ID# MW32042025 Time 0925

ID# — Time —

Yes No

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (gal)	Purge Rate (gal/m)	Comments
1300	Start Purging						47.54			153 Hz, Drawdown Test
1305	15.52	6.87	68	5.64	998	0.72	48.31			
1308	15.87	6.79	82	5.66	366	1.55	48.41			
1311	16.20	6.84	91	5.69	179	2.03	48.29			
1314	16.74	6.76	89	5.66	236	0.85	48.20			155 Hz
1317	17.87	6.79	99	5.69	72.7	6.08	48.10			
1320	16.58	6.82	113	5.68	97.7	1.11	48.14	2.5	1.570 mL/min	154 Hz
1323	17.38	6.78	116	5.67	72.4	0.78	51.40			177 Hz
1326	16.43	6.96	112	5.26	157	5.19	53.00			
1329	15.90	6.87	112	5.67	109	4.12	54.10			
1332	15.65	6.85	109	5.71	111	5.33	54.71			
1337	Well Purged Dry							11.5	0.53 gal/min	180 Hz 200 Hz
04/07/25										
0925	Collected Samples									
Sample Date	Number of Containers	Sample Containers (Volume, Type, No.)		Preservatives (Ice, Acids, Bases)		Analytical Method		Laboratory		
04/07/2025	3	40 mL VOA		HCl		8260		Eurofins		
	1	250 mL Amber		Ice		8270		Eurofins		
	2	250 mL Poly		Ice		9056		Eurofins		
	1	500 mL Poly		HNO3		6010/6020/7470 (Dis)		Eurofins		
	1	500 mL Poly		HNO3		6010/6020/7470 (Tot)		Eurofins		
	1	125 mL Poly		Ice		6850 / 6860		Eurofins		
	1	500 mL Amber		Ice		8330		Eurofins		
	3	40 mL VOA		HCl		8015B GRO		Eurofins		
	1	1 Liter Amber		Ice		8015B DRO		Eurofins		
	1	1 Liter Amber		Ice		Spare		Eurofins		

Discharge water Evaporation Pit

Comments:

Well Cap and casing condition

Good / Fair / Bad



Groundwater Sampling Field Data Sheet

Fort Wingate Depot Activity

Well ID: **TMW08**

Client: USACE (W912PP23R0023)

Date: 4/10/2025

Project # Eco-23-809

Sampling Personnel: VA, RS, DH

Location: Fort Wingate Army Depot

Casing Diameter: 2"

Initial Depth-to-Water (ft): 39.60

Purging Method: BESST Low Flow

Monitoring Method: Horiba U-52

Well Depth (ft): 62

Screen (ft): 30 to 60

Purging Date: 4/10/2025

Water Column (ft): 22.40

Midscreen (ft): 45

Sampling Date: 4/10/2025

Recommended Pump Settings: 40 psi, 6 sec on, 30 sec off

Purge Dry: Yes ☒

Field Pump Settings: 11 1 1 1 1

Color of water: <i>clear</i>			Odor: <i>none</i>		
Original Sample			Duplicate Sample		MS/MSD
ID#	TMW08042025	Time <i>0845</i>	ID# <i>-</i>	Time <i>-</i>	Yes ☐ No ☒

Time (hhmm)	Temp (C)	pH (units)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to water (ft)	Total Purged (L)	Purge Rate (mL/m)	Comments
0810	Purge Start					7.14	39.60		140	- Horiba
0815	7.48	3.84	30	0.00	2.03	7.14	39.74	-		batteries
0816	Purge paused, leak in Horiba									needed to be
0820								Resumed		replaced
0825	10.06	6.67	37	18.7	3.6	0.79	39.75			- & water
0830	11.65	6.94	30	18.0	3.4	0.00	39.75			line broken
0835	12.13	6.98	34	17.9	3.1	0.00	39.75	3.5		needed
0845	Sample Start									replacing
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