

























































## Groundwater Sampling Field Data Sheet

## Fort Wingate Depot Activity

Well ID:

MW24

Client: USACE (W912PP23R0023)

Date:

10/7/2025

Project # Eco-23-809

Sampling Personnel: ECOMJ

Location: Fort Wingate Army Depot

Casing Diameter: 2.5"

Initial Depth-to-Water (ft): 21.83

Purging Method: Grundfos Submersible Pump

Bennett Pump

Monitoring Method: Horiba U-52

Well Depth (ft): 66.5

Screen (ft): 16 to 66

Purging Date: 10/7/2025

Water Column (ft): 44.67

Midscreen (ft): 41

Sampling Date: 10/7/2025

Recommended Pump Settings: 45 - 75 psi

Purge Dry: Yes ☒ No

Field Pump Settings: 45 - 100 psi

|                                         |           |                                         |           |
|-----------------------------------------|-----------|-----------------------------------------|-----------|
| Color of water: Clear yellow tint       |           | Odor: Sulfur odor                       |           |
| Original Sample                         |           | Duplicate Sample                        |           |
| ID# MW24042025                          | Time 1015 | ID# FDup01-102025                       | Time 1025 |
| MS/MSD                                  |           | MS/MSD                                  |           |
| Yes <input checked="" type="radio"/> No |           | Yes <input checked="" type="radio"/> 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        |
|-------------|------------------|----------------------|----------|---------------------------------------|-----------------|-----------------------------------|---------------------|----------------------|--------------------|-----------------|
| 0855        | Start purging    |                      |          |                                       |                 |                                   | 21.83               |                      |                    |                 |
| 0900        | 11.96            | 7.15                 | -149     | 1.32                                  | 30.5            | 4.60                              | 25.25               | 3 gal                |                    | 45 psi          |
| 0905        | 12.05            | 7.34                 | -166     | 1.28                                  | 14.1            | 1.42                              | 26.82               | 5 gal                | 1.5 gal/m          | 70 psi          |
| 0910        | 12.04            | 7.36                 | -167     | 1.30                                  | 12.3            | 1.49                              | 27.70               | 10 gal               |                    |                 |
| 0915        | 12.04            | 7.36                 | -166     | 1.30                                  | 20.9            | 0.05                              | 35.50               | 15 gal               |                    | 18 gal / 85 psi |
| 0920        | 12.07            | 7.39                 | -172     | 1.28                                  | 49.4            | 0.00                              | 36.85               | 23 gal               |                    |                 |
| 0925        | 12.09            | 7.38                 | -174     | 1.25                                  | 76.4            | 2.44                              | 37.83               | 30 gal               |                    | 90 psi          |
| 0930        | 12.11            | 7.41                 | -164     | 1.26                                  | 71.4            | 2.54                              | 37.95               | 35 gal               |                    |                 |
| 0940        | 12.17            | 7.42                 | -169     | 1.25                                  | 70.9            | 0.00                              | 38.02               | 40                   | 1.5 gal/m          | 100 psi         |
| 0950        | 12.25            | 7.40                 | -173     | 1.24                                  | 46.1            | 0.00                              | 38.72               | 55                   |                    | Tank change     |
| 1000        | 12.34            | 7.42                 | -170     | 1.26                                  | 69.6            | 0.00                              | 37.70               | 70                   |                    | NTU 55.6        |
| 1005        | 12.38            | 7.43                 | -169     | 1.27                                  | 126             | 0.00                              | 38.69               | 77.5                 |                    |                 |
| 1015        | Start Sample 1   |                      |          |                                       |                 |                                   |                     | 78 gal               |                    |                 |
| 1025        | Collect F Dup 01 |                      |          |                                       |                 |                                   |                     |                      |                    |                 |
|             |                  |                      |          |                                       |                 |                                   |                     |                      |                    |                 |
| Sample Date |                  | Number of Containers |          | Sample Containers (Volume, Type, No.) |                 | Preservatives (Ice, Acids, Bases) |                     | Analytical Method    |                    | Laboratory      |
| 10/7/25     |                  | 3                    |          | 40 mL VOA                             |                 | HCl                               |                     | 8260                 |                    | Eurofins        |
| 1           |                  | 1                    |          | 500 mL Poly                           |                 | HNO3                              |                     | 6010/6020/7470 (Dis) |                    | Eurofins        |
| 10/7/25     |                  | 1                    |          | 500 mL Poly                           |                 | HNO3                              |                     | 6010/6020/7470 (Tot) |                    | Eurofins        |
|             |                  |                      |          |                                       |                 |                                   |                     |                      |                    |                 |
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Groundwater Sampling Field Data Sheet  
Fort Wingate Depot Activity

Client: USACE (W912PP23R0023)

Well ID: MW33

Project # Eco-23-809

Date: 10/13/2025

Location: Fort Wingate Army Depot

Sampling Personnel: OA & MS

Purging Method: Grundfos Submersible Pump

Casing Diameter: 2"

Initial Depth-to-Water (ft): 45.96

Monitoring Method: Horiba U-52

Well Depth (ft): 60

Screen (ft): 37 to 57

Purging Date: 10/12/2025

Water Column (ft): 14.04

Midscreen (ft): 47

Sampling Date: 10/13/2025

Recommended Pump Settings: 160 - Maximum Hz

Purge Dry: Yes No

Field Pump Settings: 160-170 Hz

Color of water: light brown

Odor: None

Original Sample

Duplicate Sample

ID# MW33042025

Time 1230

ID# FDUP08-102025

Time 1245

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    |
|-------------|-------------------|------------|----------|----------------------|-----------------|-----------|---------------------|--------------------|--------------------|-------------|
| 1300        | start             |            |          |                      |                 |           |                     |                    |                    |             |
| 1303        | 15.45             | 8.87       | 69       | 3.17                 | 886             | 6.96      | 45.96               |                    | 0.38               | 160 Hz      |
| 1306        | 15.82             | 8.84       | 67       | 3.15                 | 667             | 0.00      | 52.11               | 1.12               |                    | 165 Hz      |
| 1308        |                   |            |          |                      |                 |           | 58.67               | 2.25               |                    | 170 Hz      |
| 10/13/25    |                   |            |          |                      |                 |           | 58.74               | 3                  |                    | Top of pump |
| 1230        | Collected Samples |            |          |                      |                 |           |                     |                    |                    |             |

| Sample Date | Number of Containers | Sample Containers (Volume, Type, No.) | Preservatives (Ice, Acids, Bases) | Analytical Method    | Laboratory |
|-------------|----------------------|---------------------------------------|-----------------------------------|----------------------|------------|
| 10/13/25    | 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   |
|             | 2                    | 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:

TMW19

Date:

10/5/2025

Client: USACE (W912PP23R0023)

Project # Eco-23-809

Sampling Personnel: EO/M3

Location: Fort Wingate Army Depot

Casing Diameter: 2"

Initial Depth-to-Water (ft): 47.25

Purging Method: Bennett High Flow

Monitoring Method: Horiba U-52

Well Depth (ft): 187

Screen (ft): 169 to 184

Purging Date: 10/5/2025

Water Column (ft): 139.75

Midscreen (ft): 176.5

Sampling Date: 10/6/2025

Recommended Pump Settings: 60 psi

Purge Dry: ☒ Yes ☐ No

Field Pump Settings: 60-110 psi

Color of water: Clear, brown

Odor: no odor

## Original Sample

## Duplicate Sample

MS/MSD

ID# TMW19042025 Time 0820

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 |
|---------------|----------------------|---------------------------------------|----------|-----------------------------------|-----------------|----------------------|---------------------|--------------------|--------------------|----------|
| 0905          | Start purge          |                                       |          |                                   |                 |                      | 47.25               |                    | 19 gal/min         |          |
| 0910          | 12.00                | 8.02                                  | 65       | 3.00                              | 2.9             | 1.24                 | 72.50               | 5 gal              |                    | 70 psi   |
| 0915          | 12.10                | 8.28                                  | 35       | 2.97                              | 3.1             | 0.00                 | 84.05               |                    |                    |          |
| 0920          | 12.48                | 8.22                                  | 30       | 2.93                              | 2.6             | 0.00                 | 92.0                | 10 gal             |                    | 85 psi   |
| 0925          | 12.64                | 8.22                                  | 38       | 2.93                              | 1.9             | 0.00                 | 112.76              |                    |                    |          |
| 0930          | 12.65                | 8.16                                  | 43       | 2.93                              | 2.4             | 0.00                 | 119.70              |                    |                    |          |
| 0935          | 12.64                | 8.15                                  | 48       | 2.92                              | 2.2             | 0.00                 | 127.21              | 15                 |                    | 100 psi  |
| 0940          | 12.69                | 8.15                                  | 53       | 2.92                              | 3.0             | 0.00                 | 138.65              |                    |                    |          |
| 0945          | 12.45                | 8.11                                  | 59       | 2.91                              | 3.7             | 0.00                 | 147.52              |                    |                    |          |
| 0950          | 12.42                | 8.14                                  | 60       | 2.91                              | 4.5             | 0.00                 | 154.02              |                    |                    | 110 psi  |
| 0955          | 12.55                | 8.13                                  | 61       | 2.90                              | 5.9             | 0.00                 | 161.00              |                    |                    |          |
| 1000          | 12.66                | 8.14                                  | 62       | 2.90                              | 9.8             | 0.00                 | 173.34              | 20                 |                    |          |
| 1005          | 12.62                | 8.23                                  | 61       | 2.83                              | 54.5            | 0.00                 | 177.50              |                    |                    |          |
| 1010          | Dry                  |                                       |          |                                   |                 |                      |                     | 25 gal             |                    |          |
| 10/06/25 0820 | Start Sample         |                                       |          |                                   |                 |                      |                     | 26 gal             |                    |          |
| Sample Date   | Number of Containers | Sample Containers (Volume, Type, No.) |          | Preservatives (Ice, Acids, Bases) |                 | Analytical Method    |                     | Laboratory         |                    |          |
| 10/06/25      | 3                    | 40 mL VOA                             |          | HCl                               |                 | 8260                 |                     | Eurofins           |                    |          |
| 1             | 1                    | 500 mL Poly                           |          | HNO3                              |                 | 6010/6020/7470 (Dis) |                     | Eurofins           |                    |          |
| 10/06/25      | 1                    | 500 mL Poly                           |          | HNO3                              |                 | 6010/6020/7470 (Tot) |                     | Eurofins           |                    |          |
|               |                      |                                       |          |                                   |                 |                      |                     |                    |                    |          |
|               |                      |                                       |          |                                   |                 |                      |                     |                    |                    |          |
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## Groundwater Sampling Field Data Sheet

## Fort Wingate Depot Activity

Well ID:

TMW36

Client: USACE (W912PP23R0023)

Date:

10/5/2025

Project # Eco-23-809

Sampling Personnel:

EO, MJ

Location: Fort Wingate Army Depot

Casing Diameter: 2"

Initial Depth-to-Water (ft): 38.04

Purging Method: Bennett High Flow

Monitoring Method: Horiba U-52

Well Depth (ft): 157

Screen (ft): 132 to 152

Purging Date: 10/5/2025

Water Column (ft): 118.96

Midscreen (ft): 142

Sampling Date: 10/6/2025

Recommended Pump Settings: 60 - 90 psi

Purge Dry: Yes No

Field Pump Settings: 70 - 110 PSI

Color of water: Clear

Odor: Sulfur Scent

## Original Sample

## Duplicate Sample

MS/MSD

ID# TMW36022025

Time 0950

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 |
|-------------|------------------|------------|----------|----------------------|-----------------|-----------|---------------------|--------------------|--------------------|----------|
| 1250        | Start Purge      |            |          |                      |                 |           | 38.04               |                    | 0.5                | 70 psi   |
| 1255        | 17.62            | 8.55       | 92       | 2.79                 | 12.6            | 1.50      | 55.81               | 5 gal              |                    |          |
| 1300        | 15.80            | 8.35       | 87       | 2.81                 | 1.6             | 0.00      | 66.26               |                    |                    |          |
| 1305        | 15.29            | 8.21       | 87       | 2.81                 | 1.5             | 2.56      | 74.00               |                    |                    | 80 psi   |
| 1310        | 15.09            | 8.09       | 87       | 2.80                 | 0.9             | 0.45      | 83.92               | 10 gal             |                    | 85 psi   |
| 1315        | 14.47            | 8.09       | 69       | 2.80                 | 0.7             | 0.00      | 98.00               |                    |                    |          |
| 1320        | 14.57            | 8.16       | 51       | 2.81                 | 1.6             | 0.00      | 107.69              | 15 gal             |                    | 100 psi  |
| 1325        | 14.05            | 8.14       | 39       | 2.80                 | 2.7             | 0.00      | 118.51              |                    |                    |          |
| 1330        | 14.14            | 8.26       | 40       | 2.81                 | 4.4             | 0.00      | 132.09              | 20 gal             |                    |          |
| 1335        | 14.14            | 8.28       | 40       | 2.80                 | 6.3             | 0.00      | 140.30              |                    |                    |          |
| 1340        | 14.05            | 8.25       | 40       | 2.79                 | 6.3             | 0.00      | 145.50              | 25 gal             |                    | 110 psi  |
| 1345        | Dry              |            |          |                      |                 |           |                     |                    |                    |          |
| 10/6/25     |                  |            |          |                      |                 |           |                     | 28.5 gal           |                    |          |
| 0950        | Collected Sample |            |          |                      |                 |           |                     |                    |                    |          |

| Sample Date | Number of Containers | Sample Containers (Volume, Type, No.) | Preservatives (Ice, Acids, Bases) | Analytical Method    | Laboratory |
|-------------|----------------------|---------------------------------------|-----------------------------------|----------------------|------------|
| 10/6/25     | 3                    | 40 mL VOA                             | HCl                               | 8260                 | Eurofins   |
|             | 1                    | 125 mL Poly                           | Ice                               | 6850 / 6860          | 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                    | 250 mL Amber                          | Ice                               | 8270                 | Eurofins   |
|             | 1                    | 500 mL Amber                          | Ice                               | 8330                 | Eurofins   |
| 10/6/25     | 1                    | 1 Liter Amber                         | Ice                               | Spare                | Eurofins   |
|             |                      |                                       |                                   |                      |            |
|             |                      |                                       |                                   |                      |            |
|             |                      |                                       |                                   |                      |            |
|             |                      |                                       |                                   |                      |            |
|             |                      |                                       |                                   |                      |            |
|             |                      |                                       |                                   |                      |            |
|             |                      |                                       |                                   |                      |            |
|             |                      |                                       |                                   |                      |            |

Discharge water Evaporation Pit

Comments: 10/8/25

1120 - Well purged dry

1130 - Collect sample for nitrates

Well Cap and casing condition

Good / Fair / Bad













































































