



## J&T Consulting, Inc.

June 30, 2025

Mr. Patrick Lennberg  
Environmental Protection Specialist  
State of Colorado  
Division of Reclamation, Mining, & Safety

**Physical Address:**

1313 Sherman Street, Room 215  
Denver, CO 80203

**Mailing Address:**

Division of Reclamation, Mining and Safety, Room 215  
1001 East 62nd Avenue  
Denver, CO 80216

*RE: Ogilvy River Farm, LLC – Ogilvy River Farm Pit – Technical Revision No. 1 Request  
File No. M-2024-006*

Dear Mr. Lennberg,

Ogilvy River Farm, LLC (ORF) requests a revision to their existing permit to address the following items:

**Revised Water Quality Testing:** Revision of the existing permit to reduce the water quality testing from quarterly to twice a year. One test taken during higher river flows and one test taken during low river flows. We believe a test in May during higher groundwater levels (based on observed levels to date) and test in August during lower ground water levels (based on observed levels to date) would be reasonable. Revision of the existing permit to reduce the water quality testing elements to those that have tested at or above the Table 41 CDPHE limits (see attached spreadsheet for information). Per the existing permit Monitor Well 1 located on the west side of the permit boundary will be used as a background water quality sampling location and the remaining three monitoring wells as points of compliance (POC), the POCs will be Monitor Wells 2, 3, and 4.

The past five quarters we have taken test samples and recorded baseline levels per the water quality testing requirements for the original permit. We have attached the data in the attached spreadsheets showing which elements we believe should remain in the testing and the highlighted elements that have met or been lower than the Table 41 CDPHE limits.

We are also including the monitor well measurements and charts showing the seasonal groundwater fluctuations in levels and elevations.

This letter will serve as notice to the DRMS that ORF requests a technical revision to update the existing permit water quality testing.

ORF appreciates your consideration of this revision request and looks forward to your response.



- 2 -

Please feel free to contact me with any questions or comments.

Sincerely,



J.C. York, P.E.

**J&T Consulting, Inc.**

Attachments:

Water Quality Testing Spreadsheet – Last 5 quarters of data and information on elements sampled and tested.

SGS Lab Testing Reports

Groundwater Monitoring Levels for Ogilvy River Farm Pit

Monitor Well Location Map

cc: ORF  
File



| Monitor Well Number      | Element                        | Reg 41 Values (mg/l) | 2024          |                |               |                | 2025          |
|--------------------------|--------------------------------|----------------------|---------------|----------------|---------------|----------------|---------------|
|                          |                                |                      | Q1            | Q2             | Q3            | Q4             | Q1            |
|                          |                                |                      | Result (mg/l) | Results (mg/l) | Result (mg/l) | Results (mg/l) | Result (mg/l) |
| 1                        | Fluoride                       | 2                    | 0.35          | 0.73           | 0.32          | 0.56           | 0.48          |
|                          | Chloride                       | 250                  | 167           | 70             | 161           | 192            | 154           |
|                          | Sulfate                        | 250                  | 443           | 349            | 431           | 461            | 59            |
|                          | Nitrogen, Nitrate (NO3)        | 10                   | 11.9          |                |               |                |               |
|                          | Nitrogen, Nitrite (NO2)        | 1                    | <0.20         |                |               |                |               |
|                          | Nitrogen + Nitrate as Nitrogen | 10                   | 11.9          | 2.3            | 8.3           | 9              | 9.9           |
|                          | Solids, Total Dissolved        | X                    | 1380          | 812            | 1210          | 1290           | 1220          |
| Dissolved Metal Analysis |                                |                      |               |                |               |                |               |
|                          | Aluminum                       | 5                    | <0.1          | <0.25          | 0.18          | <0.05          | <0.05         |
|                          | Antimony                       | 0.006                | <0.03         | <0.0004        | <0.0004       | <0.0004        | <0.0004       |
|                          | Arsenic                        | 0.01                 | <0.025        | 0.0011         | 0.0011        | 0.00082        | 0.0008        |
|                          | Barium                         | 2                    | 0.059         | 0.0273         | 0.0743        | 0.0543         | 0.0534        |
|                          | Beryllium                      | 0.004                | <0.01         | <0.0002        | <0.0002       | <0.0002        |               |
|                          | Boron                          | 0.75                 | 0.253         | 0.236          | 0.238         | 0.242          | 0.243         |
|                          | Cadmium                        | 0.005                | <0.01         | <0.0001        | <0.0001       | <0.0001        | <0.0001       |
|                          | Chromium                       | 0.1                  | <0.01         | <0.01          | <0.002        | <0.002         | <0.002        |
|                          | Cobalt                         | 0.05                 | <0.005        | 0.00034        | 0.00091       | 0.0011         | 0.001         |
|                          | Copper                         | 0.2                  | <0.01         | 0.0022         | <0.002        | 0.0031         | <0.002        |
|                          | Iron                           | 0.3                  | <0.07         | <0.02          | 0.011         | <0.02          | <0.02         |
|                          | Lead                           | 0.05                 | <0.05         | <0.0005        | <0.0005       | <0.0005        | <0.05         |
|                          | Lithium                        | 2.5                  |               | 0.0693         | 0.0831        | 0.0748         | 0.0773        |
|                          | Manganese                      | 0.05                 | 0.119         | 0.0486         | 0.0569        | 0.0451         | 0.033         |
|                          | Mercury                        | 0.002                | <0.0001       | <0.0001        | <0.0001       | <0.0001        | <0.0001       |
|                          | Molybdenum                     | 0.21                 | <0.01         | 0.0109         | 0.0038        | 0.002          | 0.0022        |
|                          | Nickel                         | 0.1                  | <0.03         | 0.0022         | <0.002        | <0.002         | <0.002        |
|                          | Selenium                       | 0.02                 | <0.05         | 0.0017         | 0.00074       | <0.0004        | <0.0004       |
|                          | Silver                         | 0.05                 | <0.03         | <0.0001        | <0.0001       | <0.0001        | <0.0001       |
|                          | Thallium                       | 0.002                | <0.01         | <0.0002        | <0.0002       | <0.0002        | <0.0002       |
|                          | Uranium                        | 0.03                 | 0.0524        | 0.116          | 0.0588        | 0.0516         | 0.0558        |
|                          | Vanadium                       | 0.1                  | <0.01         | <0.005         | 0.0017        | 0.0013         | 0.0012        |
|                          | Zinc                           | 2                    | <0.03         | <0.01          | <0.01         | <0.01          | <0.01         |
|                          |                                |                      |               |                |               |                |               |

Means meets regulation

| Element                 | Recommendation                                                                                                                                              |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sulfate                 | These elements exceeded Reg 41 thresholds during at least one quarter in at least one well, therefore they should continue to be included in future testing |
| Nitrogen, Nitrate (NO3) |                                                                                                                                                             |
| Nitrogen + Nitrate      |                                                                                                                                                             |
| Barium                  |                                                                                                                                                             |
| Manganese               |                                                                                                                                                             |
| Uranium                 |                                                                                                                                                             |
| TDS                     |                                                                                                                                                             |

| Monitor Well Number | Element                        | Reg 41 Values (mg/l) | 2024             |                   |                  |                   | 2025             |
|---------------------|--------------------------------|----------------------|------------------|-------------------|------------------|-------------------|------------------|
|                     |                                |                      | Q1 Result (mg/l) | Q2 Results (mg/l) | Q3 Result (mg/l) | Q4 Results (mg/l) | Q1 Result (mg/l) |
| 2                   | Fluoride                       | 2                    | Not Available    | 0.73              | 0.75             | 0.56              | 0.8              |
|                     | Chloride                       | 250                  |                  | 70                | 59.5             | 77.6              | 81.9             |
|                     | Sulfate                        | 250                  |                  | 349               | 671              | 720               | 725              |
|                     | Nitrogen, Nitrate (NO3)        | 10                   |                  |                   |                  |                   |                  |
|                     | Nitrogen, Nitrite (NO2)        | 1                    |                  |                   |                  |                   |                  |
|                     | Nitrogen + Nitrate as Nitrogen | 10                   |                  | 9.5               | 0.68             | 8.9               | 8.6              |
|                     | Solids, Total Dissolved        | X                    |                  | 812               | 1210             | 1410              | 1400             |
|                     | Dissolved Metal Analysis       |                      |                  |                   |                  |                   |                  |
|                     | Aluminum                       | 5                    |                  | <0.25             | 0.092            | <0.05             | <0.05            |
|                     | Antimony                       | 0.006                |                  | <0.0004           | <0.0004          | <0.0004           | <0.0004          |
|                     | Arsenic                        | 0.01                 |                  | 0.00077           | 0.0011           | 0.00074           | 0.00059          |
|                     | Barium                         | 2                    |                  | 4.803             | 0.0628           | 0.0531            | 0.0543           |
|                     | Beryllium                      | 0.004                |                  | <0.0002           | <0.0002          | <0.0002           | 0                |
|                     | Boron                          | 0.75                 |                  | 0.303             | 0.267            | 0.32              | 0.317            |
|                     | Cadmium                        | 0.005                |                  | <0.0001           | <0.0001          | <0.0001           | <0.0001          |
|                     | Chromium                       | 0.1                  |                  | <0.01             | <0.002           | <0.002            | <0.002           |
|                     | Cobalt                         | 0.05                 |                  | 0.00046           | 0.0004           | 0.00033           | <0.0002          |
|                     | Copper                         | 0.2                  |                  | 0.0021            | <0.002           | <0.002            | <0.002           |
|                     | Iron                           | 0.3                  |                  | 0.159             | 0.0794           | 0.0655            | <0.02            |
|                     | Lead                           | 0.05                 |                  | <0.0005           | <0.0005          | <0.0005           | <0.0005          |
|                     | Lithium                        | 2.5                  |                  | 0.112             | 0.0973           | 0.0988            | 0.102            |
|                     | Manganese                      | 0.05                 |                  | 0.175             | 0.136            | 0.143             | 0.142            |
|                     | Mercury                        | 0.002                |                  | <0.0001           | <0.0001          | <0.0001           | <0.0001          |
|                     | Molybdenum                     | 0.21                 |                  | 0.0166            | 0.0177           | 0.0096            | 0.0099           |
|                     | Nickel                         | 0.1                  |                  | <0.002            | <0.002           | <0.002            | <0.002           |
|                     | Selenium                       | 0.02                 |                  | 0.0047            | 0.00047          | 0.0031            | 0.0026           |
|                     | Silver                         | 0.05                 |                  | <0.0001           | <0.0001          | <0.0001           | <0.0001          |
|                     | Thallium                       | 0.002                |                  | <0.0002           | <0.0002          | <0.0002           | <0.0002          |
|                     | Uranium                        | 0.03                 |                  | 0.085             | 0.0283           | 0.0516            | 0.0411           |
|                     | Vanadium                       | 0.1                  |                  | <0.005            | 0.0013           | <0.001            | <0.001           |
|                     | Zinc                           | 2                    |                  | <0.01             | <0.01            | <0.01             | <0.01            |
|                     |                                |                      |                  |                   |                  |                   |                  |

Means meets regulation

| Element                 | Recommendation                                                                                                                                              |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sulfate                 | These elements exceeded Reg 41 thresholds during at least one quarter in at least one well, therefore they should continue to be included in future testing |
| Nitrogen, Nitrate (NO3) |                                                                                                                                                             |
| Nitrogen + Nitrate      |                                                                                                                                                             |
| Barium                  |                                                                                                                                                             |
| Manganese               |                                                                                                                                                             |
| Uranium                 |                                                                                                                                                             |
| TDS                     |                                                                                                                                                             |

| Monitor Well Number | Element                        | Reg 41 Values (mg/l) | 2024             |                   |                  |                   | 2025             |
|---------------------|--------------------------------|----------------------|------------------|-------------------|------------------|-------------------|------------------|
|                     |                                |                      | Q1 Result (mg/l) | Q2 Results (mg/l) | Q3 Result (mg/l) | Q4 Results (mg/l) | Q1 Result (mg/l) |
| 3                   | Fluoride                       | 2                    | Not Available    | 0.42              | 0.36             | 0.57              | 0.38             |
|                     | Chloride                       | 250                  |                  | 91.4              | 88.3             | 94.8              | 110              |
|                     | Sulfate                        | 250                  |                  | 515               | 502              | 508               | 572              |
|                     | Nitrogen, Nitrate (NO3)        | 10                   |                  | 10                | 11.7             | 10.6              | 11.9             |
|                     | Nitrogen, Nitrite (NO2)        | 1                    |                  |                   |                  |                   |                  |
|                     | Nitrogen + Nitrate as Nitrogen | 10                   |                  |                   |                  |                   |                  |
|                     | Solids, Total Dissolved        | X                    |                  | 1120              | 1150             | 1060              | 1050             |
|                     | Dissolved Metal Analysis       |                      |                  |                   |                  |                   |                  |
|                     | Aluminum                       | 5                    |                  | <0.05             | <0.05            | <0.05             | <0.05            |
|                     | Antimony                       | 0.006                |                  | <0.0004           | <0.0004          | <0.0004           | <0.0004          |
|                     | Arsenic                        | 0.01                 |                  | 0.00028           | 0.0003           | 0.00029           | 0.00035          |
|                     | Barium                         | 2                    |                  | 0.0241            | 0.039            | 0.045             | 0.0343           |
|                     | Beryllium                      | 0.004                |                  | <0.0002           | <0.0002          | <0.0002           |                  |
|                     | Boron                          | 0.75                 |                  | 0.239             | 0.239            | 0.241             | 0.252            |
|                     | Cadmium                        | 0.005                |                  | <0.0001           | <0.0001          | <0.0001           | <0.0001          |
|                     | Chromium                       | 0.1                  |                  | <0.002            | <0.002           | <0.002            | <0.002           |
|                     | Cobalt                         | 0.05                 |                  | 0.00045           | 0.00025          | 0.00026           | <0.0002          |
|                     | Copper                         | 0.2                  |                  | <0.002            | <0.002           | <0.002            | <0.002           |
|                     | Iron                           | 0.3                  |                  | <0.02             | <0.02            | <0.02             | <0.02            |
|                     | Lead                           | 0.05                 |                  | <0.0005           | <0.0005          | <0.0005           | <0.0005          |
|                     | Lithium                        | 2.5                  |                  | 0.0543            | 0.0532           | 0.0433            | 0.0466           |
|                     | Manganese                      | 0.05                 |                  | 0.0385            | 0.0348           | 0.0316            | 0.0312           |
|                     | Mercury                        | 0.002                |                  | <0.0001           | <0.0001          | <0.0001           | <0.0001          |
|                     | Molybdenum                     | 0.21                 |                  | 0.0016            | 0.0015           | 0.0016            | 0.0017           |
|                     | Nickel                         | 0.1                  |                  | <0.002            | <0.002           | <0.002            | <0.002           |
|                     | Selenium                       | 0.02                 |                  | 0.00058           | 0.00063          | 0.00052           | 0.0005           |
|                     | Silver                         | 0.05                 |                  | <0.0001           | <0.0001          | <0.0001           | <0.0001          |
|                     | Thallium                       | 0.002                |                  | <0.0002           | <0.0002          | <0.0002           | <0.0002          |
|                     | Uranium                        | 0.03                 |                  | 0.0509            | 0.0483           | 0.0501            | 0.0533           |
|                     | Vanadium                       | 0.1                  |                  | <0.001            | <0.001           | <0.001            | <0.001           |
|                     | Zinc                           | 2                    |                  | <0.01             | <0.01            | <0.01             | <0.01            |
|                     |                                |                      |                  |                   |                  |                   |                  |

Means meets regulation

| Element                 | Recommendation                                                                                                                                              |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sulfate                 | These elements exceeded Reg 41 thresholds during at least one quarter in at least one well, therefore they should continue to be included in future testing |
| Nitrogen, Nitrate (NO3) |                                                                                                                                                             |
| Nitrogen + Nitrate      |                                                                                                                                                             |
| Barium                  |                                                                                                                                                             |
| Manganese               |                                                                                                                                                             |
| Uranium                 |                                                                                                                                                             |
| TDS                     |                                                                                                                                                             |



| Monitor Well Number      | Element                        | Reg 41 Values (mg/l) | 2024          |                |               |                | 2025          |
|--------------------------|--------------------------------|----------------------|---------------|----------------|---------------|----------------|---------------|
|                          |                                |                      | Q1            | Q2             | Q3            | Q4             | Q1            |
|                          |                                |                      | Result (mg/l) | Results (mg/l) | Result (mg/l) | Results (mg/l) | Result (mg/l) |
| 4                        | Fluoride                       | 2                    | 0.21          | 0.25           | <0.20         | 0.18           | 0.25          |
|                          | Chloride                       | 250                  | 89.6          | 93.8           | 93.5          | 96.7           | 97.7          |
|                          | Sulfate                        | 250                  | 454           | 501            | 483           | 490            | 477           |
|                          | Nitrogen, Nitrate (NO3)        | 10                   | 11.7          |                |               |                |               |
|                          | Nitrogen, Nitrite (NO2)        | 1                    | <0.0080       |                |               |                |               |
|                          | Nitrogen + Nitrate as Nitrogen | 10                   | 11.7          | 10.9           | 12.6          | 10.8           | 11.7          |
|                          | Solids, Total Dissolved        | X                    | 1170          | 1100           | 1110          | 1100           | 1000          |
| Dissolved Metal Analysis |                                |                      |               |                |               |                |               |
|                          | Aluminum                       | 5                    | <0.1          | <0.05          | <0.05         | <0.05          | <0.05         |
|                          | Antimony                       | 0.006                | <0.03         | <0.0004        | <0.0004       | <0.0004        | <0.0004       |
|                          | Arsenic                        | 0.01                 | <0.025        | 0.00027        | 0.00032       | 0.00027        | 0.00026       |
|                          | Barium                         | 2                    | 0.0242        | 0.0236         | 0.0443        | 0.0251         | 0.0256        |
|                          | Beryllium                      | 0.004                | <0.01         | <0.0002        | <0.0002       | <0.0002        |               |
|                          | Boron                          | 0.75                 | 0.26          | 0.261          | 0.26          | 0.254          | 0.261         |
|                          | Cadmium                        | 0.005                | <0.01         | <0.0001        | <0.0001       | <0.0001        | <0.0001       |
|                          | Chromium                       | 0.1                  | <0.01         | <0.002         | <0.002        | <0.002         | <0.002        |
|                          | Cobalt                         | 0.05                 | <0.005        | 0.00027        | 0.00034       | 0.0002         | <0.0002       |
|                          | Copper                         | 0.2                  | <0.01         | <0.002         | <0.002        | <0.002         | <0.002        |
|                          | Iron                           | 0.3                  | <0.07         | <0.02          | <0.02         | <0.02          | <0.02         |
|                          | Lead                           | 0.05                 | <0.05         | <0.0005        | <0.0005       | <0.0005        | <0.0005       |
|                          | Lithium                        | 2.5                  | 0             | 0.0367         | 0.0454        | 0.03           | 0.0323        |
|                          | Manganese                      | 0.05                 | 0.0474        | 0.0536         | 0.0556        | 0.0462         | 0.0291        |
|                          | Mercury                        | 0.002                | <0.0001       | <0.0001        | <0.0001       | <0.0001        | <0.0001       |
|                          | Molybdenum                     | 0.21                 | <0.01         | 0.0013         | 0.0012        | 0.0013         | 0.0012        |
|                          | Nickel                         | 0.1                  | <0.03         | <0.002         | <0.002        | <0.002         | <0.002        |
|                          | Selenium                       | 0.02                 | <0.05         | <0.0004        | <0.0004       | <0.0004        | <0.0004       |
|                          | Silver                         | 0.05                 | <0.03         | <0.0001        | <0.0001       | <0.0001        | <0.0001       |
|                          | Thallium                       | 0.002                | <0.01         | <0.0002        | <0.0002       | <0.0002        | <0.0002       |
|                          | Uranium                        | 0.03                 | 0.0527        | 0.0523         | 0.0542        | 0.055          | 0.0557        |
|                          | Vanadium                       | 0.1                  | <0.01         | <0.001         | <0.001        | <0.001         | <0.001        |
|                          | Zinc                           | 2                    | <0.03         | <0.01          | <0.01         | <0.01          | <0.01         |
|                          |                                |                      |               |                |               |                |               |

Means meets regulation

| Element                 | Recommendation                                                                                                                                              |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sulfate                 | These elements exceeded Reg 41 thresholds during at least one quarter in at least one well, therefore they should continue to be included in future testing |
| Nitrogen, Nitrate (NO3) |                                                                                                                                                             |
| Nitrogen + Nitrate      |                                                                                                                                                             |
| Barium                  |                                                                                                                                                             |
| Manganese               |                                                                                                                                                             |
| Uranium                 |                                                                                                                                                             |
| TDS                     |                                                                                                                                                             |

Ogilvy River Farm Pit  
22032  
SGS Testing

Ogilvy River Farm Pit  
22032  
SGS Testing  
Quarter 1 2024



The results set forth herein are provided by SGS North America Inc.

**e-Hardcopy 2.0**  
Automated Report

### Technical Report for

J&T Consulting

Material Sites WQ Testing

SGS Job Number: DA62542

Sampling Date: 03/01/24

Report to:

J&T Consulting Inc  
305 Denver Avenue Suite D  
Fort Lupton, CO 80621  
jcyork@j-tconsulting.com

ATTN: JC York

Total number of pages in report: 59



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Eric Hoffman

**Client Service contact: Kelly Blanchard 303-425-6021**

Certifications: CO (CO00049), ND (R-027), UT (NELAP CO00049), LA (LA150028), TX (T104704511), WY (8TMS-L) HI (CO00049), NJ (CO011), NV (CO00049), AK (CO00049), CA (3076), and NC (08701)

This report shall not be reproduced, except in its entirety, without the written approval of SGS.  
Test results relate only to samples analyzed.

Report of Analysis

|                          |                              |                        |          |
|--------------------------|------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | OGILVY RIVER FARM PIT (MW-1) | <b>Date Sampled:</b>   | 03/01/24 |
| <b>Lab Sample ID:</b>    | DA62542-1                    | <b>Date Received:</b>  | 03/01/24 |
| <b>Matrix:</b>           | AQ - Ground Water            | <b>Percent Solids:</b> | n/a      |
| <b>Project:</b>          | Material Sites WQ Testing    |                        |          |

General Chemistry

| Analyte                                  | Result | RL   | Units | DF | Analyzed       | By | Method        |
|------------------------------------------|--------|------|-------|----|----------------|----|---------------|
| <b>9056A</b>                             |        |      |       |    |                |    |               |
| Fluoride                                 | 0.35   | 0.20 | mg/l  | 2  | 03/01/24 20:49 | MB | SW846 9056A   |
| Chloride                                 | 167    | 5.0  | mg/l  | 10 | 03/01/24 21:03 | MB | SW846 9056A   |
| Nitrogen, Nitrite <sup>a</sup>           | < 0.20 | 0.20 | mg/l  | 50 | 03/02/24 16:32 | MB | SW846 9056A   |
| Nitrogen, Nitrate                        | 11.9   | 0.50 | mg/l  | 50 | 03/02/24 16:32 | MB | SW846 9056A   |
| Sulfate                                  | 443    | 25   | mg/l  | 50 | 03/02/24 16:32 | MB | SW846 9056A   |
| <b>9056A NO2 + NO3O</b>                  |        |      |       |    |                |    |               |
| Nitrogen, Nitrate + Nitrite <sup>b</sup> | 11.9   | 0.70 | mg/l  | 1  | 03/02/24 16:32 | MB | SW846 9056A   |
| Solids, Total Dissolved                  | 1380   | 10   | mg/l  | 1  | 03/04/24 07:00 | JW | SM 2540C-2011 |

(a) Elevated detection limit due to matrix interference.  
(b) Calculated as: (Nitrogen, Nitrate) + (Nitrogen, Nitrite)

RL = Reporting Limit

## Report of Analysis

**Client Sample ID:** OGILVY RIVER FARM PIT (MW-1)**Lab Sample ID:** DA62542-1F**Matrix:** AQ - Groundwater Filtered**Date Sampled:** 03/01/24**Date Received:** 03/01/24**Percent Solids:** n/a**Project:** Material Sites WQ Testing**Dissolved Metals Analysis**

| Analyte    | Result | RL   | Units | DF | Prep     | Analyzed By | Method                       | Prep Method              |
|------------|--------|------|-------|----|----------|-------------|------------------------------|--------------------------|
| Aluminum   | < 100  | 100  | ug/l  | 1  | 03/12/24 | 03/14/24    | CDL SW846 6010C <sup>2</sup> | SW846 3010A <sup>4</sup> |
| Antimony   | < 30   | 30   | ug/l  | 1  | 03/12/24 | 03/14/24    | CDL SW846 6010C <sup>2</sup> | SW846 3010A <sup>4</sup> |
| Arsenic    | < 25   | 25   | ug/l  | 1  | 03/12/24 | 03/14/24    | CDL SW846 6010C <sup>2</sup> | SW846 3010A <sup>4</sup> |
| Barium     | 59.0   | 10   | ug/l  | 1  | 03/12/24 | 03/14/24    | CDL SW846 6010C <sup>2</sup> | SW846 3010A <sup>4</sup> |
| Beryllium  | < 10   | 10   | ug/l  | 1  | 03/12/24 | 03/14/24    | CDL SW846 6010C <sup>2</sup> | SW846 3010A <sup>4</sup> |
| Boron      | 253    | 50   | ug/l  | 1  | 03/12/24 | 03/19/24    | CDL SW846 6010C <sup>3</sup> | SW846 3010A <sup>4</sup> |
| Cadmium    | < 10   | 10   | ug/l  | 1  | 03/12/24 | 03/14/24    | CDL SW846 6010C <sup>2</sup> | SW846 3010A <sup>4</sup> |
| Chromium   | < 10   | 10   | ug/l  | 1  | 03/12/24 | 03/14/24    | CDL SW846 6010C <sup>2</sup> | SW846 3010A <sup>4</sup> |
| Cobalt     | < 5.0  | 5.0  | ug/l  | 1  | 03/12/24 | 03/14/24    | CDL SW846 6010C <sup>2</sup> | SW846 3010A <sup>4</sup> |
| Copper     | < 10   | 10   | ug/l  | 1  | 03/12/24 | 03/14/24    | CDL SW846 6010C <sup>2</sup> | SW846 3010A <sup>4</sup> |
| Iron       | < 70   | 70   | ug/l  | 1  | 03/12/24 | 03/14/24    | CDL SW846 6010C <sup>2</sup> | SW846 3010A <sup>4</sup> |
| Lead       | < 50   | 50   | ug/l  | 1  | 03/12/24 | 03/14/24    | CDL SW846 6010C <sup>2</sup> | SW846 3010A <sup>4</sup> |
| Manganese  | 119    | 5.0  | ug/l  | 1  | 03/12/24 | 03/14/24    | CDL SW846 6010C <sup>2</sup> | SW846 3010A <sup>4</sup> |
| Mercury    | < 0.10 | 0.10 | ug/l  | 1  | 03/13/24 | 03/13/24    | CDL SW846 7470A <sup>1</sup> | SW846 7470A <sup>5</sup> |
| Molybdenum | < 10   | 10   | ug/l  | 1  | 03/12/24 | 03/14/24    | CDL SW846 6010C <sup>2</sup> | SW846 3010A <sup>4</sup> |
| Nickel     | < 30   | 30   | ug/l  | 1  | 03/12/24 | 03/14/24    | CDL SW846 6010C <sup>2</sup> | SW846 3010A <sup>4</sup> |
| Selenium   | < 50   | 50   | ug/l  | 1  | 03/12/24 | 03/14/24    | CDL SW846 6010C <sup>2</sup> | SW846 3010A <sup>4</sup> |
| Silver     | < 30   | 30   | ug/l  | 1  | 03/12/24 | 03/14/24    | CDL SW846 6010C <sup>2</sup> | SW846 3010A <sup>4</sup> |
| Thallium   | < 10   | 10   | ug/l  | 1  | 03/12/24 | 03/14/24    | CDL SW846 6010C <sup>2</sup> | SW846 3010A <sup>4</sup> |
| Uranium    | 52.4   | 50   | ug/l  | 1  | 03/12/24 | 03/14/24    | CDL SW846 6010C <sup>2</sup> | SW846 3010A <sup>4</sup> |
| Vanadium   | < 10   | 10   | ug/l  | 1  | 03/12/24 | 03/14/24    | CDL SW846 6010C <sup>2</sup> | SW846 3010A <sup>4</sup> |
| Zinc       | < 30   | 30   | ug/l  | 1  | 03/12/24 | 03/14/24    | CDL SW846 6010C <sup>2</sup> | SW846 3010A <sup>4</sup> |

(1) Instrument QC Batch: MA17745

(2) Instrument QC Batch: MA17751

(3) Instrument QC Batch: MA17763

(4) Prep QC Batch: MP39056

(5) Prep QC Batch: MP39057

RL = Reporting Limit

Report of Analysis

|                          |                              |                        |          |
|--------------------------|------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | OGILVY RIVER FARM PIT (MW-1) | <b>Date Sampled:</b>   | 03/01/24 |
| <b>Lab Sample ID:</b>    | DA62542-1FC                  | <b>Date Received:</b>  | 03/01/24 |
| <b>Matrix:</b>           | AQ - Groundwater Filtered    | <b>Percent Solids:</b> | n/a      |
| <b>Project:</b>          | Material Sites WQ Testing    |                        |          |

Dissolved Metals Analysis

| Analyte              | Result | RL | Units | DF | Prep     | Analyzed By  | Method                   | Prep Method              |
|----------------------|--------|----|-------|----|----------|--------------|--------------------------|--------------------------|
| Lithium <sup>a</sup> | 80.4   | 10 | ug/l  | 1  | 03/07/24 | 03/08/24 ALA | SW846 6010C <sup>1</sup> | SW846 3010A <sup>2</sup> |

(1) Instrument QC Batch: L:MA27325  
(2) Prep QC Batch: L:MP27849  
  
(a) Analysis performed at SGS Scott, LA.

RL = Reporting Limit

Report of Analysis

|                          |                              |                        |          |
|--------------------------|------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | OGILVY RIVER FARM PIT (MW-4) | <b>Date Sampled:</b>   | 03/01/24 |
| <b>Lab Sample ID:</b>    | DA62542-2                    | <b>Date Received:</b>  | 03/01/24 |
| <b>Matrix:</b>           | AQ - Ground Water            | <b>Percent Solids:</b> | n/a      |
| <b>Project:</b>          | Material Sites WQ Testing    |                        |          |

General Chemistry

| Analyte                                  | Result   | RL     | Units | DF | Analyzed       | By | Method        |
|------------------------------------------|----------|--------|-------|----|----------------|----|---------------|
| <b>9056A</b>                             |          |        |       |    |                |    |               |
| Fluoride                                 | 0.21     | 0.20   | mg/l  | 2  | 03/01/24 21:17 | MB | SW846 9056A   |
| Chloride                                 | 89.6     | 5.0    | mg/l  | 10 | 03/01/24 21:31 | MB | SW846 9056A   |
| Nitrogen, Nitrite <sup>a</sup>           | < 0.0080 | 0.0080 | mg/l  | 2  | 03/01/24 21:17 | MB | SW846 9056A   |
| Nitrogen, Nitrate                        | 11.7     | 0.50   | mg/l  | 50 | 03/02/24 16:46 | MB | SW846 9056A   |
| Sulfate                                  | 454      | 25     | mg/l  | 50 | 03/02/24 16:46 | MB | SW846 9056A   |
| <b>9056A NO2 + NO3O</b>                  |          |        |       |    |                |    |               |
| Nitrogen, Nitrate + Nitrite <sup>b</sup> | 11.7     | 0.51   | mg/l  | 1  | 03/02/24 16:46 | MB | SW846 9056A   |
| Solids, Total Dissolved                  | 1170     | 10     | mg/l  | 1  | 03/04/24 07:00 | JW | SM 2540C-2011 |

(a) Elevated detection limit due to matrix interference.  
(b) Calculated as: (Nitrogen, Nitrate) + (Nitrogen, Nitrite)

RL = Reporting Limit

## Report of Analysis

**Client Sample ID:** OGILVY RIVER FARM PIT (MW-4)**Lab Sample ID:** DA62542-2F**Matrix:** AQ - Groundwater Filtered**Date Sampled:** 03/01/24**Date Received:** 03/01/24**Percent Solids:** n/a**Project:** Material Sites WQ Testing**Dissolved Metals Analysis**

| Analyte    | Result | RL   | Units | DF | Prep     | Analyzed By | Method                       | Prep Method              |
|------------|--------|------|-------|----|----------|-------------|------------------------------|--------------------------|
| Aluminum   | < 100  | 100  | ug/l  | 1  | 03/12/24 | 03/14/24    | CDL SW846 6010C <sup>2</sup> | SW846 3010A <sup>4</sup> |
| Antimony   | < 30   | 30   | ug/l  | 1  | 03/12/24 | 03/14/24    | CDL SW846 6010C <sup>2</sup> | SW846 3010A <sup>4</sup> |
| Arsenic    | < 25   | 25   | ug/l  | 1  | 03/12/24 | 03/14/24    | CDL SW846 6010C <sup>2</sup> | SW846 3010A <sup>4</sup> |
| Barium     | 24.2   | 10   | ug/l  | 1  | 03/12/24 | 03/14/24    | CDL SW846 6010C <sup>2</sup> | SW846 3010A <sup>4</sup> |
| Beryllium  | < 10   | 10   | ug/l  | 1  | 03/12/24 | 03/14/24    | CDL SW846 6010C <sup>2</sup> | SW846 3010A <sup>4</sup> |
| Boron      | 260    | 50   | ug/l  | 1  | 03/12/24 | 03/19/24    | CDL SW846 6010C <sup>3</sup> | SW846 3010A <sup>4</sup> |
| Cadmium    | < 10   | 10   | ug/l  | 1  | 03/12/24 | 03/14/24    | CDL SW846 6010C <sup>2</sup> | SW846 3010A <sup>4</sup> |
| Chromium   | < 10   | 10   | ug/l  | 1  | 03/12/24 | 03/14/24    | CDL SW846 6010C <sup>2</sup> | SW846 3010A <sup>4</sup> |
| Cobalt     | < 5.0  | 5.0  | ug/l  | 1  | 03/12/24 | 03/14/24    | CDL SW846 6010C <sup>2</sup> | SW846 3010A <sup>4</sup> |
| Copper     | < 10   | 10   | ug/l  | 1  | 03/12/24 | 03/14/24    | CDL SW846 6010C <sup>2</sup> | SW846 3010A <sup>4</sup> |
| Iron       | < 70   | 70   | ug/l  | 1  | 03/12/24 | 03/14/24    | CDL SW846 6010C <sup>2</sup> | SW846 3010A <sup>4</sup> |
| Lead       | < 50   | 50   | ug/l  | 1  | 03/12/24 | 03/14/24    | CDL SW846 6010C <sup>2</sup> | SW846 3010A <sup>4</sup> |
| Manganese  | 47.4   | 5.0  | ug/l  | 1  | 03/12/24 | 03/14/24    | CDL SW846 6010C <sup>2</sup> | SW846 3010A <sup>4</sup> |
| Mercury    | < 0.10 | 0.10 | ug/l  | 1  | 03/13/24 | 03/13/24    | CDL SW846 7470A <sup>1</sup> | SW846 7470A <sup>5</sup> |
| Molybdenum | < 10   | 10   | ug/l  | 1  | 03/12/24 | 03/14/24    | CDL SW846 6010C <sup>2</sup> | SW846 3010A <sup>4</sup> |
| Nickel     | < 30   | 30   | ug/l  | 1  | 03/12/24 | 03/14/24    | CDL SW846 6010C <sup>2</sup> | SW846 3010A <sup>4</sup> |
| Selenium   | < 50   | 50   | ug/l  | 1  | 03/12/24 | 03/14/24    | CDL SW846 6010C <sup>2</sup> | SW846 3010A <sup>4</sup> |
| Silver     | < 30   | 30   | ug/l  | 1  | 03/12/24 | 03/14/24    | CDL SW846 6010C <sup>2</sup> | SW846 3010A <sup>4</sup> |
| Thallium   | < 10   | 10   | ug/l  | 1  | 03/12/24 | 03/14/24    | CDL SW846 6010C <sup>2</sup> | SW846 3010A <sup>4</sup> |
| Uranium    | 52.7   | 50   | ug/l  | 1  | 03/12/24 | 03/14/24    | CDL SW846 6010C <sup>2</sup> | SW846 3010A <sup>4</sup> |
| Vanadium   | < 10   | 10   | ug/l  | 1  | 03/12/24 | 03/14/24    | CDL SW846 6010C <sup>2</sup> | SW846 3010A <sup>4</sup> |
| Zinc       | < 30   | 30   | ug/l  | 1  | 03/12/24 | 03/14/24    | CDL SW846 6010C <sup>2</sup> | SW846 3010A <sup>4</sup> |

(1) Instrument QC Batch: MA17745

(2) Instrument QC Batch: MA17751

(3) Instrument QC Batch: MA17763

(4) Prep QC Batch: MP39056

(5) Prep QC Batch: MP39057

RL = Reporting Limit

Report of Analysis

|                          |                              |                        |          |
|--------------------------|------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | OGILVY RIVER FARM PIT (MW-4) | <b>Date Sampled:</b>   | 03/01/24 |
| <b>Lab Sample ID:</b>    | DA62542-2FC                  | <b>Date Received:</b>  | 03/01/24 |
| <b>Matrix:</b>           | AQ - Groundwater Filtered    | <b>Percent Solids:</b> | n/a      |
| <b>Project:</b>          | Material Sites WQ Testing    |                        |          |

Dissolved Metals Analysis

| Analyte              | Result | RL | Units | DF | Prep     | Analyzed By  | Method                   | Prep Method              |
|----------------------|--------|----|-------|----|----------|--------------|--------------------------|--------------------------|
| Lithium <sup>a</sup> | 36.7   | 10 | ug/l  | 1  | 03/07/24 | 03/08/24 ALA | SW846 6010C <sup>1</sup> | SW846 3010A <sup>2</sup> |

(1) Instrument QC Batch: L:MA27325  
(2) Prep QC Batch: L:MP27849  
  
(a) Analysis performed at SGS Scott, LA.

RL = Reporting Limit

Ogilvy River Farm Pit  
22032  
SGS Testing  
Quarter 2 2024



The results set forth herein are provided by SGS North America Inc.

**e-Hardcopy 2.0**  
Automated Report

## Technical Report for

Stewart Environmental

Ogilvy River

SGS Job Number: DA65417

Sampling Dates: 06/26/24 - 06/27/24

Report to:

Stewart Environmental Consultants  
3801 Automation Way Suite 200  
Fort Collins, CO 80525  
dave.stewart@stewartenv.com

ATTN: Dave Stewart

Total number of pages in report: 56



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.



Eric Hoffman

Client Service contact: Parna Payandeh 303-425-6021

Certifications: CO (CO00049), ND (R-027), UT (NELAP CO00049), LA (LA150028), TX (T104704511), WY (8TMS-L) HI (CO00049), NJ (CO011), NV (CO00049), AK (CO00049), CA (3076), and NC (08701)

This report shall not be reproduced, except in its entirety, without the written approval of SGS.  
Test results relate only to samples analyzed.

Report of Analysis

|                          |              |                        |          |
|--------------------------|--------------|------------------------|----------|
| <b>Client Sample ID:</b> | MW-1         | <b>Date Sampled:</b>   | 06/27/24 |
| <b>Lab Sample ID:</b>    | DA65417-1    | <b>Date Received:</b>  | 07/02/24 |
| <b>Matrix:</b>           | AQ - Water   | <b>Percent Solids:</b> | n/a      |
| <b>Project:</b>          | Ogilvy River |                        |          |

General Chemistry

| Analyte                                  | Result | RL   | Units | DF | Analyzed       | By  | Method           |
|------------------------------------------|--------|------|-------|----|----------------|-----|------------------|
| <b>300.0</b>                             |        |      |       |    |                |     |                  |
| Fluoride                                 | 0.73   | 0.20 | mg/l  | 2  | 07/05/24 12:10 | CS  | EPA 300.0        |
| Chloride                                 | 70.0   | 13   | mg/l  | 25 | 07/05/24 14:15 | CS  | EPA 300.0        |
| Sulfate                                  | 349    | 13   | mg/l  | 25 | 07/05/24 14:15 | CS  | EPA 300.0        |
| Nitrogen, Nitrate + Nitrite <sup>a</sup> | 2.3    | 0.10 | mg/l  | 1  | 07/17/24 15:38 | ANJ | EPA 353.2/LACHAT |
| Nitrogen, Total Kjeldahl                 | 1.0    | 0.20 | mg/l  | 1  | 07/05/24 16:23 | KH  | EPA 351.2        |
| Solids, Total Dissolved                  | 812    | 10   | mg/l  | 1  | 07/03/24 07:00 | JW  | SM 2540C-2011    |

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

## Report of Analysis

**Client Sample ID:** MW-1  
**Lab Sample ID:** DA65417-1F  
**Matrix:** AQ - Water Filtered  
**Project:** Ogilvy River

**Date Sampled:** 06/27/24  
**Date Received:** 07/02/24  
**Percent Solids:** n/a

## Dissolved Metals Analysis

| Analyte               | Result | RL   | Units | DF | Prep     | Analyzed By | Method | Prep Method            |                        |
|-----------------------|--------|------|-------|----|----------|-------------|--------|------------------------|------------------------|
| Aluminum <sup>a</sup> | < 250  | 250  | ug/l  | 5  | 07/10/24 | 07/11/24    | DU     | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Antimony              | < 0.40 | 0.40 | ug/l  | 1  | 07/10/24 | 07/15/24    | DU     | EPA 200.8 <sup>3</sup> | EPA 200.8 <sup>6</sup> |
| Arsenic               | 1.1    | 0.20 | ug/l  | 1  | 07/10/24 | 07/11/24    | DU     | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Barium                | 27.3   | 2.0  | ug/l  | 1  | 07/10/24 | 07/11/24    | DU     | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Beryllium             | < 0.20 | 0.20 | ug/l  | 1  | 07/10/24 | 07/11/24    | DU     | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Boron                 | 236    | 40   | ug/l  | 1  | 07/10/24 | 07/11/24    | DU     | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Cadmium               | < 0.10 | 0.10 | ug/l  | 1  | 07/10/24 | 07/11/24    | DU     | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Chromium <sup>a</sup> | < 10   | 10   | ug/l  | 5  | 07/10/24 | 07/11/24    | DU     | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Cobalt                | 0.34   | 0.20 | ug/l  | 1  | 07/10/24 | 07/11/24    | DU     | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Copper                | 2.2    | 2.0  | ug/l  | 1  | 07/10/24 | 07/11/24    | DU     | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Iron                  | < 20   | 20   | ug/l  | 1  | 07/10/24 | 07/15/24    | DU     | EPA 200.8 <sup>3</sup> | EPA 200.8 <sup>6</sup> |
| Lead                  | < 0.50 | 0.50 | ug/l  | 1  | 07/10/24 | 07/11/24    | DU     | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Lithium               | 69.3   | 10   | ug/l  | 1  | 07/10/24 | 07/16/24    | CDL    | EPA 200.7 <sup>4</sup> | EPA 200.7 <sup>7</sup> |
| Manganese             | 48.6   | 1.0  | ug/l  | 1  | 07/10/24 | 07/11/24    | DU     | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Mercury               | < 0.10 | 0.10 | ug/l  | 1  | 07/10/24 | 07/11/24    | CDL    | EPA 245.1 <sup>1</sup> | EPA 245.1 <sup>5</sup> |
| Molybdenum            | 10.9   | 1.0  | ug/l  | 1  | 07/10/24 | 07/11/24    | DU     | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Nickel                | 2.2    | 2.0  | ug/l  | 1  | 07/10/24 | 07/11/24    | DU     | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Selenium              | 1.7    | 0.40 | ug/l  | 1  | 07/10/24 | 07/11/24    | DU     | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Silver                | < 0.10 | 0.10 | ug/l  | 1  | 07/10/24 | 07/11/24    | DU     | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Thallium              | < 0.20 | 0.20 | ug/l  | 1  | 07/10/24 | 07/11/24    | DU     | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Uranium               | 116    | 0.20 | ug/l  | 1  | 07/10/24 | 07/11/24    | DU     | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Vanadium <sup>a</sup> | < 5.0  | 5.0  | ug/l  | 5  | 07/10/24 | 07/11/24    | DU     | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Zinc                  | < 10   | 10   | ug/l  | 1  | 07/10/24 | 07/11/24    | DU     | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |

(1) Instrument QC Batch: MA18179

(2) Instrument QC Batch: MA18196

(3) Instrument QC Batch: MA18197

(4) Instrument QC Batch: MA18208

(5) Prep QC Batch: MP39695

(6) Prep QC Batch: MP39699

(7) Prep QC Batch: MP39746

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit

Report of Analysis

|                          |              |                        |          |
|--------------------------|--------------|------------------------|----------|
| <b>Client Sample ID:</b> | MW-2         | <b>Date Sampled:</b>   | 06/27/24 |
| <b>Lab Sample ID:</b>    | DA65417-2    | <b>Date Received:</b>  | 07/02/24 |
| <b>Matrix:</b>           | AQ - Water   | <b>Percent Solids:</b> | n/a      |
| <b>Project:</b>          | Ogilvy River |                        |          |

General Chemistry

| Analyte                                  | Result | RL   | Units | DF | Analyzed       | By  | Method           |
|------------------------------------------|--------|------|-------|----|----------------|-----|------------------|
| <b>300.0</b>                             |        |      |       |    |                |     |                  |
| Fluoride                                 | 0.75   | 0.20 | mg/l  | 2  | 07/05/24 12:18 | CS  | EPA 300.0        |
| Chloride                                 | 77.5   | 25   | mg/l  | 50 | 07/05/24 15:57 | CS  | EPA 300.0        |
| Sulfate                                  | 758    | 25   | mg/l  | 50 | 07/05/24 15:57 | CS  | EPA 300.0        |
| Nitrogen, Nitrate + Nitrite <sup>a</sup> | 9.5    | 0.30 | mg/l  | 3  | 07/17/24 16:43 | ANJ | EPA 353.2/LACHAT |
| Nitrogen, Total Kjeldahl                 | 0.41   | 0.20 | mg/l  | 1  | 07/05/24 16:23 | KH  | EPA 351.2        |
| Solids, Total Dissolved                  | 1520   | 10   | mg/l  | 1  | 07/03/24 07:00 | JW  | SM 2540C-2011    |

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

## Report of Analysis

|                          |                     |                        |          |
|--------------------------|---------------------|------------------------|----------|
| <b>Client Sample ID:</b> | MW-2                | <b>Date Sampled:</b>   | 06/27/24 |
| <b>Lab Sample ID:</b>    | DA65417-2F          | <b>Date Received:</b>  | 07/02/24 |
| <b>Matrix:</b>           | AQ - Water Filtered | <b>Percent Solids:</b> | n/a      |
| <b>Project:</b>          | Ogilvy River        |                        |          |

## Dissolved Metals Analysis

| Analyte               | Result | RL   | Units | DF | Prep     | Analyzed By |     | Method                 | Prep Method            |
|-----------------------|--------|------|-------|----|----------|-------------|-----|------------------------|------------------------|
| Aluminum <sup>a</sup> | < 250  | 250  | ug/l  | 5  | 07/10/24 | 07/11/24    | DU  | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Antimony              | < 0.40 | 0.40 | ug/l  | 1  | 07/10/24 | 07/15/24    | DU  | EPA 200.8 <sup>3</sup> | EPA 200.8 <sup>6</sup> |
| Arsenic               | 0.77   | 0.20 | ug/l  | 1  | 07/10/24 | 07/11/24    | DU  | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Barium                | 48.3   | 2.0  | ug/l  | 1  | 07/10/24 | 07/11/24    | DU  | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Beryllium             | < 0.20 | 0.20 | ug/l  | 1  | 07/10/24 | 07/11/24    | DU  | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Boron                 | 303    | 40   | ug/l  | 1  | 07/10/24 | 07/11/24    | DU  | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Cadmium               | < 0.10 | 0.10 | ug/l  | 1  | 07/10/24 | 07/11/24    | DU  | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Chromium <sup>a</sup> | < 10   | 10   | ug/l  | 5  | 07/10/24 | 07/11/24    | DU  | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Cobalt                | 0.46   | 0.20 | ug/l  | 1  | 07/10/24 | 07/11/24    | DU  | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Copper                | 2.1    | 2.0  | ug/l  | 1  | 07/10/24 | 07/11/24    | DU  | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Iron                  | 159    | 20   | ug/l  | 1  | 07/10/24 | 07/15/24    | DU  | EPA 200.8 <sup>3</sup> | EPA 200.8 <sup>6</sup> |
| Lead                  | < 0.50 | 0.50 | ug/l  | 1  | 07/10/24 | 07/11/24    | DU  | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Lithium               | 112    | 10   | ug/l  | 1  | 07/10/24 | 07/16/24    | CDL | EPA 200.7 <sup>4</sup> | EPA 200.7 <sup>7</sup> |
| Manganese             | 175    | 1.0  | ug/l  | 1  | 07/10/24 | 07/11/24    | DU  | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Mercury               | < 0.10 | 0.10 | ug/l  | 1  | 07/09/24 | 07/09/24    | KM  | EPA 245.1 <sup>1</sup> | EPA 245.1 <sup>5</sup> |
| Molybdenum            | 16.6   | 1.0  | ug/l  | 1  | 07/10/24 | 07/11/24    | DU  | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Nickel                | < 2.0  | 2.0  | ug/l  | 1  | 07/10/24 | 07/11/24    | DU  | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Selenium              | 4.7    | 0.40 | ug/l  | 1  | 07/10/24 | 07/11/24    | DU  | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Silver                | < 0.10 | 0.10 | ug/l  | 1  | 07/10/24 | 07/11/24    | DU  | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Thallium              | < 0.20 | 0.20 | ug/l  | 1  | 07/10/24 | 07/11/24    | DU  | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Uranium               | 85.0   | 0.20 | ug/l  | 1  | 07/10/24 | 07/11/24    | DU  | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Vanadium <sup>a</sup> | < 5.0  | 5.0  | ug/l  | 5  | 07/10/24 | 07/11/24    | DU  | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Zinc                  | < 10   | 10   | ug/l  | 1  | 07/10/24 | 07/11/24    | DU  | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |

(1) Instrument QC Batch: MA18171

(2) Instrument QC Batch: MA18196

(3) Instrument QC Batch: MA18197

(4) Instrument QC Batch: MA18208

(5) Prep QC Batch: MP39684

(6) Prep QC Batch: MP39699

(7) Prep QC Batch: MP39746

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit

Report of Analysis

|                          |              |                        |          |
|--------------------------|--------------|------------------------|----------|
| <b>Client Sample ID:</b> | MW-3         | <b>Date Sampled:</b>   | 06/26/24 |
| <b>Lab Sample ID:</b>    | DA65417-3    | <b>Date Received:</b>  | 07/02/24 |
| <b>Matrix:</b>           | AQ - Water   | <b>Percent Solids:</b> | n/a      |
| <b>Project:</b>          | Ogilvy River |                        |          |

General Chemistry

| Analyte                                  | Result | RL   | Units | DF | Analyzed       | By  | Method           |
|------------------------------------------|--------|------|-------|----|----------------|-----|------------------|
| <b>300.0</b>                             |        |      |       |    |                |     |                  |
| Fluoride                                 | 0.42   | 0.20 | mg/l  | 2  | 07/05/24 12:27 | CS  | EPA 300.0        |
| Chloride                                 | 91.4   | 13   | mg/l  | 25 | 07/05/24 14:52 | CS  | EPA 300.0        |
| Sulfate                                  | 515    | 13   | mg/l  | 25 | 07/05/24 14:52 | CS  | EPA 300.0        |
| Nitrogen, Nitrate + Nitrite <sup>a</sup> | 10     | 0.30 | mg/l  | 3  | 07/17/24 16:45 | ANJ | EPA 353.2/LACHAT |
| Nitrogen, Total Kjeldahl                 | 0.70   | 0.20 | mg/l  | 1  | 07/12/24 12:25 | MB  | EPA 351.2        |
| Solids, Total Dissolved                  | 1120   | 10   | mg/l  | 1  | 07/03/24 07:00 | JW  | SM 2540C-2011    |

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

## Report of Analysis

Client Sample ID: MW-3

Lab Sample ID: DA65417-3F

Matrix: AQ - Water Filtered

Project: Ogilvy River

Date Sampled: 06/26/24

Date Received: 07/02/24

Percent Solids: n/a

## Dissolved Metals Analysis

| Analyte    | Result | RL   | Units | DF | Prep     | Analyzed By | Method                     | Prep Method            |
|------------|--------|------|-------|----|----------|-------------|----------------------------|------------------------|
| Aluminum   | < 50   | 50   | ug/l  | 1  | 07/10/24 | 07/11/24    | DU EPA 200.8 <sup>2</sup>  | EPA 200.8 <sup>6</sup> |
| Antimony   | < 0.40 | 0.40 | ug/l  | 1  | 07/10/24 | 07/15/24    | DU EPA 200.8 <sup>3</sup>  | EPA 200.8 <sup>6</sup> |
| Arsenic    | 0.28   | 0.20 | ug/l  | 1  | 07/10/24 | 07/11/24    | DU EPA 200.8 <sup>2</sup>  | EPA 200.8 <sup>6</sup> |
| Barium     | 24.1   | 2.0  | ug/l  | 1  | 07/10/24 | 07/11/24    | DU EPA 200.8 <sup>2</sup>  | EPA 200.8 <sup>6</sup> |
| Beryllium  | < 0.20 | 0.20 | ug/l  | 1  | 07/10/24 | 07/11/24    | DU EPA 200.8 <sup>2</sup>  | EPA 200.8 <sup>6</sup> |
| Boron      | 239    | 40   | ug/l  | 1  | 07/10/24 | 07/11/24    | DU EPA 200.8 <sup>2</sup>  | EPA 200.8 <sup>6</sup> |
| Cadmium    | < 0.10 | 0.10 | ug/l  | 1  | 07/10/24 | 07/11/24    | DU EPA 200.8 <sup>2</sup>  | EPA 200.8 <sup>6</sup> |
| Chromium   | < 2.0  | 2.0  | ug/l  | 1  | 07/10/24 | 07/11/24    | DU EPA 200.8 <sup>2</sup>  | EPA 200.8 <sup>6</sup> |
| Cobalt     | 0.45   | 0.20 | ug/l  | 1  | 07/10/24 | 07/11/24    | DU EPA 200.8 <sup>2</sup>  | EPA 200.8 <sup>6</sup> |
| Copper     | < 2.0  | 2.0  | ug/l  | 1  | 07/10/24 | 07/11/24    | DU EPA 200.8 <sup>2</sup>  | EPA 200.8 <sup>6</sup> |
| Iron       | < 20   | 20   | ug/l  | 1  | 07/10/24 | 07/15/24    | DU EPA 200.8 <sup>3</sup>  | EPA 200.8 <sup>6</sup> |
| Lead       | < 0.50 | 0.50 | ug/l  | 1  | 07/10/24 | 07/11/24    | DU EPA 200.8 <sup>2</sup>  | EPA 200.8 <sup>6</sup> |
| Lithium    | 54.3   | 10   | ug/l  | 1  | 07/10/24 | 07/16/24    | CDL EPA 200.7 <sup>4</sup> | EPA 200.7 <sup>7</sup> |
| Manganese  | 38.5   | 1.0  | ug/l  | 1  | 07/10/24 | 07/11/24    | DU EPA 200.8 <sup>2</sup>  | EPA 200.8 <sup>6</sup> |
| Mercury    | < 0.10 | 0.10 | ug/l  | 1  | 07/09/24 | 07/09/24    | KM EPA 245.1 <sup>1</sup>  | EPA 245.1 <sup>5</sup> |
| Molybdenum | 1.6    | 1.0  | ug/l  | 1  | 07/10/24 | 07/11/24    | DU EPA 200.8 <sup>2</sup>  | EPA 200.8 <sup>6</sup> |
| Nickel     | < 2.0  | 2.0  | ug/l  | 1  | 07/10/24 | 07/11/24    | DU EPA 200.8 <sup>2</sup>  | EPA 200.8 <sup>6</sup> |
| Selenium   | 0.58   | 0.40 | ug/l  | 1  | 07/10/24 | 07/11/24    | DU EPA 200.8 <sup>2</sup>  | EPA 200.8 <sup>6</sup> |
| Silver     | < 0.10 | 0.10 | ug/l  | 1  | 07/10/24 | 07/11/24    | DU EPA 200.8 <sup>2</sup>  | EPA 200.8 <sup>6</sup> |
| Thallium   | < 0.20 | 0.20 | ug/l  | 1  | 07/10/24 | 07/11/24    | DU EPA 200.8 <sup>2</sup>  | EPA 200.8 <sup>6</sup> |
| Uranium    | 50.9   | 0.20 | ug/l  | 1  | 07/10/24 | 07/11/24    | DU EPA 200.8 <sup>2</sup>  | EPA 200.8 <sup>6</sup> |
| Vanadium   | < 1.0  | 1.0  | ug/l  | 1  | 07/10/24 | 07/11/24    | DU EPA 200.8 <sup>2</sup>  | EPA 200.8 <sup>6</sup> |
| Zinc       | < 10   | 10   | ug/l  | 1  | 07/10/24 | 07/11/24    | DU EPA 200.8 <sup>2</sup>  | EPA 200.8 <sup>6</sup> |

(1) Instrument QC Batch: MA18171

(2) Instrument QC Batch: MA18196

(3) Instrument QC Batch: MA18197

(4) Instrument QC Batch: MA18208

(5) Prep QC Batch: MP39685

(6) Prep QC Batch: MP39699

(7) Prep QC Batch: MP39746

RL = Reporting Limit

Report of Analysis

|                          |              |                        |          |
|--------------------------|--------------|------------------------|----------|
| <b>Client Sample ID:</b> | MW-4         | <b>Date Sampled:</b>   | 06/27/24 |
| <b>Lab Sample ID:</b>    | DA65417-4    | <b>Date Received:</b>  | 07/02/24 |
| <b>Matrix:</b>           | AQ - Water   | <b>Percent Solids:</b> | n/a      |
| <b>Project:</b>          | Ogilvy River |                        |          |

General Chemistry

| Analyte                                  | Result | RL   | Units | DF | Analyzed       | By  | Method           |
|------------------------------------------|--------|------|-------|----|----------------|-----|------------------|
| <b>300.0</b>                             |        |      |       |    |                |     |                  |
| Fluoride                                 | 0.25   | 0.20 | mg/l  | 2  | 07/05/24 12:35 | CS  | EPA 300.0        |
| Chloride                                 | 93.8   | 13   | mg/l  | 25 | 07/05/24 15:21 | CS  | EPA 300.0        |
| Sulfate                                  | 501    | 13   | mg/l  | 25 | 07/05/24 15:21 | CS  | EPA 300.0        |
| Nitrogen, Nitrate + Nitrite <sup>a</sup> | 10.9   | 0.30 | mg/l  | 3  | 07/17/24 16:46 | ANJ | EPA 353.2/LACHAT |
| Nitrogen, Total Kjeldahl                 | < 0.20 | 0.20 | mg/l  | 1  | 07/12/24 12:26 | MB  | EPA 351.2        |
| Solids, Total Dissolved                  | 1100   | 10   | mg/l  | 1  | 07/03/24 07:00 | JW  | SM 2540C-2011    |

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit



## Report of Analysis

**Client Sample ID:** MW-4  
**Lab Sample ID:** DA65417-4F  
**Matrix:** AQ - Water Filtered  
**Project:** Ogilvy River

**Date Sampled:** 06/27/24  
**Date Received:** 07/02/24  
**Percent Solids:** n/a

## Dissolved Metals Analysis

| Analyte    | Result | RL   | Units | DF | Prep     | Analyzed By | Method | Prep Method            |                        |
|------------|--------|------|-------|----|----------|-------------|--------|------------------------|------------------------|
| Aluminum   | < 50   | 50   | ug/l  | 1  | 07/10/24 | 07/11/24    | DU     | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Antimony   | < 0.40 | 0.40 | ug/l  | 1  | 07/10/24 | 07/15/24    | DU     | EPA 200.8 <sup>3</sup> | EPA 200.8 <sup>6</sup> |
| Arsenic    | 0.27   | 0.20 | ug/l  | 1  | 07/10/24 | 07/11/24    | DU     | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Barium     | 23.6   | 2.0  | ug/l  | 1  | 07/10/24 | 07/11/24    | DU     | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Beryllium  | < 0.20 | 0.20 | ug/l  | 1  | 07/10/24 | 07/11/24    | DU     | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Boron      | 261    | 40   | ug/l  | 1  | 07/10/24 | 07/11/24    | DU     | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Cadmium    | < 0.10 | 0.10 | ug/l  | 1  | 07/10/24 | 07/11/24    | DU     | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Chromium   | < 2.0  | 2.0  | ug/l  | 1  | 07/10/24 | 07/11/24    | DU     | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Cobalt     | 0.27   | 0.20 | ug/l  | 1  | 07/10/24 | 07/11/24    | DU     | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Copper     | < 2.0  | 2.0  | ug/l  | 1  | 07/10/24 | 07/11/24    | DU     | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Iron       | < 20   | 20   | ug/l  | 1  | 07/10/24 | 07/15/24    | DU     | EPA 200.8 <sup>3</sup> | EPA 200.8 <sup>6</sup> |
| Lead       | < 0.50 | 0.50 | ug/l  | 1  | 07/10/24 | 07/11/24    | DU     | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Lithium    | 36.7   | 10   | ug/l  | 1  | 07/10/24 | 07/16/24    | CDL    | EPA 200.7 <sup>4</sup> | EPA 200.7 <sup>7</sup> |
| Manganese  | 53.6   | 1.0  | ug/l  | 1  | 07/10/24 | 07/11/24    | DU     | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Mercury    | < 0.10 | 0.10 | ug/l  | 1  | 07/09/24 | 07/09/24    | KM     | EPA 245.1 <sup>1</sup> | EPA 245.1 <sup>5</sup> |
| Molybdenum | 1.3    | 1.0  | ug/l  | 1  | 07/10/24 | 07/11/24    | DU     | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Nickel     | < 2.0  | 2.0  | ug/l  | 1  | 07/10/24 | 07/11/24    | DU     | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Selenium   | < 0.40 | 0.40 | ug/l  | 1  | 07/10/24 | 07/11/24    | DU     | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Silver     | < 0.10 | 0.10 | ug/l  | 1  | 07/10/24 | 07/11/24    | DU     | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Thallium   | < 0.20 | 0.20 | ug/l  | 1  | 07/10/24 | 07/11/24    | DU     | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Uranium    | 52.3   | 0.20 | ug/l  | 1  | 07/10/24 | 07/11/24    | DU     | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Vanadium   | < 1.0  | 1.0  | ug/l  | 1  | 07/10/24 | 07/11/24    | DU     | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Zinc       | < 10   | 10   | ug/l  | 1  | 07/10/24 | 07/11/24    | DU     | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |

(1) Instrument QC Batch: MA18171

(2) Instrument QC Batch: MA18196

(3) Instrument QC Batch: MA18197

(4) Instrument QC Batch: MA18208

(5) Prep QC Batch: MP39685

(6) Prep QC Batch: MP39699

(7) Prep QC Batch: MP39746

RL = Reporting Limit

Ogilvy River Farm Pit  
22032  
SGS Testing  
Quarter 3 2024

The results set forth herein are provided by SGS North America Inc.

**e-Hardcopy 2.0**  
Automated Report

## Technical Report for

Stewart Environmental

Ogilvy River

SGS Job Number: DA68006

Sampling Date: 10/10/24

Report to:

Stewart Environmental Consultants  
3801 Automation Way Suite 200  
Fort Collins, CO 80525  
dave.stewart@stewartenv.com; jcyork@j-tconsulting.com  
ATTN: Dave Stewart

Total number of pages in report: 56



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.



Eric Hoffman

Client Service contact: Parna Payandeh 303-425-6021

Certifications: CO (CO00049), ND (R-027), UT (NELAP CO00049), LA (LA150028), TX (T104704511), WY (8TMS-L) HI (CO00049), NJ (CO011), NV (CO00049), AK (CO00049), CA (3076), and NC (08701)

This report shall not be reproduced, except in its entirety, without the written approval of SGS.  
Test results relate only to samples analyzed.

Report of Analysis

|                          |                   |                        |          |
|--------------------------|-------------------|------------------------|----------|
| <b>Client Sample ID:</b> | MW-1              | <b>Date Sampled:</b>   | 10/10/24 |
| <b>Lab Sample ID:</b>    | DA68006-1         | <b>Date Received:</b>  | 10/11/24 |
| <b>Matrix:</b>           | AQ - Ground Water | <b>Percent Solids:</b> | n/a      |
| <b>Project:</b>          | Ogilvy River      |                        |          |

General Chemistry

| Analyte                                  | Result | RL   | Units | DF | Analyzed       | By  | Method           |
|------------------------------------------|--------|------|-------|----|----------------|-----|------------------|
| <b>300.0</b>                             |        |      |       |    |                |     |                  |
| Fluoride                                 | 0.32   | 0.20 | mg/l  | 2  | 10/13/24 13:39 | MB  | EPA 300.0        |
| Chloride                                 | 161    | 13   | mg/l  | 25 | 10/13/24 13:48 | MB  | EPA 300.0        |
| Sulfate                                  | 431    | 13   | mg/l  | 25 | 10/13/24 13:48 | MB  | EPA 300.0        |
| Nitrogen, Nitrate + Nitrite <sup>a</sup> | 8.3    | 0.30 | mg/l  | 3  | 10/21/24 21:32 | ANJ | EPA 353.2/LACHAT |
| Solids, Total Dissolved                  | 1210   | 10   | mg/l  | 1  | 10/16/24 07:00 | JW  | SM 2540C-2011    |

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

## Report of Analysis

**Client Sample ID:** MW-1  
**Lab Sample ID:** DA68006-1F  
**Matrix:** AQ - Groundwater Filtered  
**Project:** Ogilvy River

**Date Sampled:** 10/10/24  
**Date Received:** 10/11/24  
**Percent Solids:** n/a

## Dissolved Metals Analysis

| Analyte    | Result | RL   | Units | DF | Prep     | Analized By | Method                     | Prep Method            |
|------------|--------|------|-------|----|----------|-------------|----------------------------|------------------------|
| Aluminum   | 180    | 50   | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Antimony   | < 0.40 | 0.40 | ug/l  | 1  | 10/18/24 | 10/25/24    | CDL EPA 200.8 <sup>3</sup> | EPA 200.8 <sup>6</sup> |
| Arsenic    | 1.1    | 0.20 | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Barium     | 74.3   | 2.0  | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Beryllium  | < 0.20 | 0.20 | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Boron      | 238    | 40   | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Cadmium    | < 0.10 | 0.10 | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Chromium   | < 2.0  | 2.0  | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Cobalt     | 0.91   | 0.20 | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Copper     | < 2.0  | 2.0  | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Iron       | 110    | 20   | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Lead       | < 0.50 | 0.50 | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Lithium    | 83.1   | 5.0  | ug/l  | 1  | 10/18/24 | 10/24/24    | CDL EPA 200.7 <sup>4</sup> | EPA 200.7 <sup>7</sup> |
| Manganese  | 56.9   | 1.0  | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Mercury    | < 0.10 | 0.10 | ug/l  | 1  | 10/21/24 | 10/22/24    | CDL EPA 245.1 <sup>1</sup> | EPA 245.1 <sup>5</sup> |
| Molybdenum | 3.8    | 1.0  | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Nickel     | < 2.0  | 2.0  | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Selenium   | 0.74   | 0.40 | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Silver     | < 0.10 | 0.10 | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Thallium   | < 0.20 | 0.20 | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Uranium    | 58.8   | 0.20 | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Vanadium   | 1.7    | 1.0  | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Zinc       | < 10   | 10   | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |

(1) Instrument QC Batch: MA18546

(2) Instrument QC Batch: MA18547

(3) Instrument QC Batch: MA18553

(4) Instrument QC Batch: MA18582

(5) Prep QC Batch: MP40278

(6) Prep QC Batch: MP40286

(7) Prep QC Batch: MP40316

RL = Reporting Limit

Report of Analysis

|                          |                   |                        |          |
|--------------------------|-------------------|------------------------|----------|
| <b>Client Sample ID:</b> | MW-2              | <b>Date Sampled:</b>   | 10/10/24 |
| <b>Lab Sample ID:</b>    | DA68006-2         | <b>Date Received:</b>  | 10/11/24 |
| <b>Matrix:</b>           | AQ - Ground Water | <b>Percent Solids:</b> | n/a      |
| <b>Project:</b>          | Ogilvy River      |                        |          |

General Chemistry

| Analyte                                  | Result | RL   | Units | DF | Analyzed       | By  | Method           |
|------------------------------------------|--------|------|-------|----|----------------|-----|------------------|
| <b>300.0</b>                             |        |      |       |    |                |     |                  |
| Fluoride                                 | 0.75   | 0.20 | mg/l  | 2  | 10/18/24 16:18 | CS  | EPA 300.0        |
| Chloride                                 | 59.5   | 13   | mg/l  | 25 | 10/13/24 14:05 | MB  | EPA 300.0        |
| Sulfate                                  | 671    | 13   | mg/l  | 25 | 10/13/24 14:05 | MB  | EPA 300.0        |
| Nitrogen, Nitrate + Nitrite <sup>a</sup> | 0.68   | 0.10 | mg/l  | 1  | 10/21/24 19:19 | ANJ | EPA 353.2/LACHAT |
| Solids, Total Dissolved                  | 1170   | 10   | mg/l  | 1  | 10/16/24 07:00 | JW  | SM 2540C-2011    |

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

## Report of Analysis

**Client Sample ID:** MW-2  
**Lab Sample ID:** DA68006-2F  
**Matrix:** AQ - Groundwater Filtered  
**Project:** Ogilvy River

**Date Sampled:** 10/10/24  
**Date Received:** 10/11/24  
**Percent Solids:** n/a

## Dissolved Metals Analysis

| Analyte    | Result | RL   | Units | DF | Prep     | Analyzed By | Method                     | Prep Method            |
|------------|--------|------|-------|----|----------|-------------|----------------------------|------------------------|
| Aluminum   | 92.0   | 50   | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Antimony   | < 0.40 | 0.40 | ug/l  | 1  | 10/18/24 | 10/25/24    | CDL EPA 200.8 <sup>3</sup> | EPA 200.8 <sup>6</sup> |
| Arsenic    | 1.1    | 0.20 | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Barium     | 62.8   | 2.0  | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Beryllium  | < 0.20 | 0.20 | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Boron      | 267    | 40   | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Cadmium    | < 0.10 | 0.10 | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Chromium   | < 2.0  | 2.0  | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Cobalt     | 0.40   | 0.20 | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Copper     | < 2.0  | 2.0  | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Iron       | 79.4   | 20   | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Lead       | < 0.50 | 0.50 | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Lithium    | 97.3   | 5.0  | ug/l  | 1  | 10/18/24 | 10/24/24    | CDL EPA 200.7 <sup>4</sup> | EPA 200.7 <sup>7</sup> |
| Manganese  | 136    | 1.0  | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Mercury    | < 0.10 | 0.10 | ug/l  | 1  | 10/21/24 | 10/22/24    | CDL EPA 245.1 <sup>1</sup> | EPA 245.1 <sup>5</sup> |
| Molybdenum | 17.7   | 1.0  | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Nickel     | < 2.0  | 2.0  | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Selenium   | 0.47   | 0.40 | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Silver     | < 0.10 | 0.10 | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Thallium   | < 0.20 | 0.20 | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Uranium    | 28.3   | 0.20 | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Vanadium   | 1.3    | 1.0  | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Zinc       | < 10   | 10   | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |

(1) Instrument QC Batch: MA18546

(2) Instrument QC Batch: MA18547

(3) Instrument QC Batch: MA18553

(4) Instrument QC Batch: MA18582

(5) Prep QC Batch: MP40277

(6) Prep QC Batch: MP40286

(7) Prep QC Batch: MP40316

RL = Reporting Limit

Report of Analysis

|                          |                   |                        |          |
|--------------------------|-------------------|------------------------|----------|
| <b>Client Sample ID:</b> | MW-3              | <b>Date Sampled:</b>   | 10/10/24 |
| <b>Lab Sample ID:</b>    | DA68006-3         | <b>Date Received:</b>  | 10/11/24 |
| <b>Matrix:</b>           | AQ - Ground Water | <b>Percent Solids:</b> | n/a      |
| <b>Project:</b>          | Ogilvy River      |                        |          |

General Chemistry

| Analyte                                  | Result | RL   | Units | DF | Analyzed       | By  | Method           |
|------------------------------------------|--------|------|-------|----|----------------|-----|------------------|
| <b>300.0</b>                             |        |      |       |    |                |     |                  |
| Fluoride                                 | 0.36   | 0.20 | mg/l  | 2  | 10/18/24 16:29 | CS  | EPA 300.0        |
| Chloride                                 | 88.3   | 13   | mg/l  | 25 | 10/13/24 14:22 | MB  | EPA 300.0        |
| Sulfate                                  | 502    | 13   | mg/l  | 25 | 10/13/24 14:22 | MB  | EPA 300.0        |
| Nitrogen, Nitrate + Nitrite <sup>a</sup> | 11.7   | 0.50 | mg/l  | 5  | 10/21/24 21:33 | ANJ | EPA 353.2/LACHAT |
| Solids, Total Dissolved                  | 1150   | 10   | mg/l  | 1  | 10/16/24 07:00 | JW  | SM 2540C-2011    |

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit



## Report of Analysis

**Client Sample ID:** MW-3  
**Lab Sample ID:** DA68006-3F  
**Matrix:** AQ - Groundwater Filtered  
**Project:** Ogilvy River

**Date Sampled:** 10/10/24  
**Date Received:** 10/11/24  
**Percent Solids:** n/a

## Dissolved Metals Analysis

| Analyte    | Result | RL   | Units | DF | Prep     | Analyzed By | Method                     | Prep Method            |
|------------|--------|------|-------|----|----------|-------------|----------------------------|------------------------|
| Aluminum   | < 50   | 50   | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Antimony   | < 0.40 | 0.40 | ug/l  | 1  | 10/18/24 | 10/25/24    | CDL EPA 200.8 <sup>3</sup> | EPA 200.8 <sup>6</sup> |
| Arsenic    | 0.30   | 0.20 | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Barium     | 39.0   | 2.0  | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Beryllium  | < 0.20 | 0.20 | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Boron      | 232    | 40   | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Cadmium    | < 0.10 | 0.10 | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Chromium   | < 2.0  | 2.0  | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Cobalt     | 0.25   | 0.20 | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Copper     | < 2.0  | 2.0  | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Iron       | < 20   | 20   | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Lead       | < 0.50 | 0.50 | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Lithium    | 53.2   | 5.0  | ug/l  | 1  | 10/18/24 | 10/24/24    | CDL EPA 200.7 <sup>4</sup> | EPA 200.7 <sup>7</sup> |
| Manganese  | 34.8   | 1.0  | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Mercury    | < 0.10 | 0.10 | ug/l  | 1  | 10/21/24 | 10/22/24    | CDL EPA 245.1 <sup>1</sup> | EPA 245.1 <sup>5</sup> |
| Molybdenum | 1.5    | 1.0  | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Nickel     | < 2.0  | 2.0  | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Selenium   | 0.63   | 0.40 | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Silver     | < 0.10 | 0.10 | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Thallium   | < 0.20 | 0.20 | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Uranium    | 48.3   | 0.20 | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Vanadium   | < 1.0  | 1.0  | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Zinc       | < 10   | 10   | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |

(1) Instrument QC Batch: MA18546

(2) Instrument QC Batch: MA18547

(3) Instrument QC Batch: MA18553

(4) Instrument QC Batch: MA18582

(5) Prep QC Batch: MP40277

(6) Prep QC Batch: MP40286

(7) Prep QC Batch: MP40316

RL = Reporting Limit

Report of Analysis

|                          |                   |                        |          |
|--------------------------|-------------------|------------------------|----------|
| <b>Client Sample ID:</b> | MW-4              | <b>Date Sampled:</b>   | 10/10/24 |
| <b>Lab Sample ID:</b>    | DA68006-4         | <b>Date Received:</b>  | 10/11/24 |
| <b>Matrix:</b>           | AQ - Ground Water | <b>Percent Solids:</b> | n/a      |
| <b>Project:</b>          | Ogilvy River      |                        |          |

General Chemistry

| Analyte                                  | Result | RL   | Units | DF | Analyzed       | By  | Method           |
|------------------------------------------|--------|------|-------|----|----------------|-----|------------------|
| <b>300.0</b>                             |        |      |       |    |                |     |                  |
| Fluoride <sup>a</sup>                    | < 0.20 | 0.20 | mg/l  | 2  | 10/18/24 16:38 | CS  | EPA 300.0        |
| Chloride                                 | 93.5   | 13   | mg/l  | 25 | 10/13/24 14:57 | MB  | EPA 300.0        |
| Sulfate                                  | 483    | 13   | mg/l  | 25 | 10/13/24 14:57 | MB  | EPA 300.0        |
| Nitrogen, Nitrate + Nitrite <sup>b</sup> | 12.6   | 0.50 | mg/l  | 5  | 10/21/24 21:34 | ANJ | EPA 353.2/LACHAT |
| Solids, Total Dissolved                  | 1110   | 10   | mg/l  | 1  | 10/16/24 07:00 | JW  | SM 2540C-2011    |

(a) Elevated detection limit due to matrix interference.  
(b) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

## Report of Analysis

**Client Sample ID:** MW-4  
**Lab Sample ID:** DA68006-4F  
**Matrix:** AQ - Groundwater Filtered  
**Project:** Ogilvy River

**Date Sampled:** 10/10/24  
**Date Received:** 10/11/24  
**Percent Solids:** n/a

## Dissolved Metals Analysis

| Analyte    | Result | RL   | Units | DF | Prep     | Analyzed By | Method                     | Prep Method            |
|------------|--------|------|-------|----|----------|-------------|----------------------------|------------------------|
| Aluminum   | < 50   | 50   | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>5</sup> |
| Antimony   | < 0.40 | 0.40 | ug/l  | 1  | 10/18/24 | 10/25/24    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>5</sup> |
| Arsenic    | 0.32   | 0.20 | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>5</sup> |
| Barium     | 44.3   | 2.0  | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>5</sup> |
| Beryllium  | < 0.20 | 0.20 | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>5</sup> |
| Boron      | 260    | 40   | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>5</sup> |
| Cadmium    | < 0.10 | 0.10 | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>5</sup> |
| Chromium   | < 2.0  | 2.0  | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>5</sup> |
| Cobalt     | 0.34   | 0.20 | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>5</sup> |
| Copper     | < 2.0  | 2.0  | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>5</sup> |
| Iron       | < 20   | 20   | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>5</sup> |
| Lead       | < 0.50 | 0.50 | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>5</sup> |
| Lithium    | 45.4   | 5.0  | ug/l  | 1  | 10/18/24 | 10/24/24    | CDL EPA 200.7 <sup>4</sup> | EPA 200.7 <sup>7</sup> |
| Manganese  | 55.6   | 1.0  | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>5</sup> |
| Mercury    | < 0.10 | 0.10 | ug/l  | 1  | 10/25/24 | 10/25/24    | CDL EPA 245.1 <sup>3</sup> | EPA 245.1 <sup>6</sup> |
| Molybdenum | 1.2    | 1.0  | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>5</sup> |
| Nickel     | < 2.0  | 2.0  | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>5</sup> |
| Selenium   | < 0.40 | 0.40 | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>5</sup> |
| Silver     | < 0.10 | 0.10 | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>5</sup> |
| Thallium   | < 0.20 | 0.20 | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>5</sup> |
| Uranium    | 54.2   | 0.20 | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>5</sup> |
| Vanadium   | < 1.0  | 1.0  | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>5</sup> |
| Zinc       | < 10   | 10   | ug/l  | 1  | 10/18/24 | 10/22/24    | CDL EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>5</sup> |

(1) Instrument QC Batch: MA18547

(2) Instrument QC Batch: MA18553

(3) Instrument QC Batch: MA18565

(4) Instrument QC Batch: MA18582

(5) Prep QC Batch: MP40286

(6) Prep QC Batch: MP40313

(7) Prep QC Batch: MP40316

RL = Reporting Limit

Ogilvy River Farm Pit  
22032  
SGS Testing  
Quarter 4 2024

The results set forth herein are provided by SGS North America Inc.

**e-Hardcopy 2.0**  
Automated Report

## Technical Report for

Stewart Environmental

Ogilvy River

SGS Job Number: DA70096

Sampling Date: 01/23/25

Report to:

Stewart Environmental Consultants  
3801 Automation Way Suite 200  
Fort Collins, CO 80525  
dave.stewart@stewartenv.com; jcyork@j-tconsulting.com  
  
ATTN: Dave Stewart

Total number of pages in report: 49



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.



Eric Hoffman

**Client Service contact: Parna Payandeh 303-425-6021**

Certifications: CO (CO00049), ND (R-027), UT (NELAP CO00049), LA (LA150028), TX (T104704511), WY (8TMS-L) HI (CO00049), NJ (CO011), NV (CO00049), AK (CO00049), CA (3076), and NC (08701)

This report shall not be reproduced, except in its entirety, without the written approval of SGS.  
Test results relate only to samples analyzed.

Report of Analysis

Client Sample ID: MW-1  
Lab Sample ID: DA70096-1  
Matrix: AQ - Water  
Project: Ogilvy River

Date Sampled: 01/23/25  
Date Received: 01/24/25  
Percent Solids: n/a

General Chemistry

| Analyte                                  | Result | RL   | Units | DF | Analyzed       | By  | Method           |
|------------------------------------------|--------|------|-------|----|----------------|-----|------------------|
| 300.0                                    |        |      |       |    |                |     |                  |
| Fluoride                                 | 0.56   | 0.50 | mg/l  | 5  | 01/28/25 12:14 | AM  | EPA 300.0        |
| Chloride                                 | 192    | 13   | mg/l  | 25 | 01/28/25 14:34 | AM  | EPA 300.0        |
| Sulfate                                  | 461    | 13   | mg/l  | 25 | 01/28/25 14:34 | AM  | EPA 300.0        |
| Nitrogen, Nitrate + Nitrite <sup>a</sup> | 9.0    | 0.30 | mg/l  | 3  | 01/30/25 18:21 | ANJ | EPA 353.2/LACHAT |
| Nitrogen, Total Kjeldahl                 | < 0.20 | 0.20 | mg/l  | 1  | 02/14/25 13:49 | TH  | EPA 351.2        |
| Solids, Total Dissolved                  | 1290   | 10   | mg/l  | 1  | 01/28/25 07:00 | JW  | SM 2540C-2011    |

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

## Report of Analysis

Client Sample ID: MW-1

Lab Sample ID: DA70096-1F

Matrix: AQ - Water Filtered

Project: Ogilvy River

Date Sampled: 01/23/25

Date Received: 01/24/25

Percent Solids: n/a

## Dissolved Metals Analysis

| Analyte    | Result | RL   | Units | DF | Prep     | Analyzed By | Method                     | Prep Method            |
|------------|--------|------|-------|----|----------|-------------|----------------------------|------------------------|
| Aluminum   | < 50   | 50   | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Antimony   | < 0.40 | 0.40 | ug/l  | 1  | 01/28/25 | 02/06/25    | CDL EPA 200.8 <sup>3</sup> | EPA 200.8 <sup>6</sup> |
| Arsenic    | 0.82   | 0.20 | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Barium     | 54.3   | 2.0  | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Beryllium  | < 0.20 | 0.20 | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Boron      | 242    | 40   | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Cadmium    | < 0.10 | 0.10 | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Chromium   | < 2.0  | 2.0  | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Cobalt     | 1.1    | 0.20 | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Copper     | 3.1    | 2.0  | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Iron       | < 20   | 20   | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Lead       | < 0.50 | 0.50 | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Lithium    | 74.8   | 10   | ug/l  | 1  | 01/28/25 | 02/10/25    | CDL EPA 200.7 <sup>4</sup> | EPA 200.7 <sup>7</sup> |
| Manganese  | 45.1   | 1.0  | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Mercury    | < 0.10 | 0.10 | ug/l  | 1  | 01/28/25 | 01/29/25    | CDL EPA 245.1 <sup>1</sup> | EPA 245.1 <sup>5</sup> |
| Molybdenum | 2.0    | 1.0  | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Nickel     | < 2.0  | 2.0  | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Selenium   | < 0.40 | 0.40 | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Silver     | < 0.10 | 0.10 | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Thallium   | < 0.20 | 0.20 | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Uranium    | 51.6   | 0.20 | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Vanadium   | 1.3    | 1.0  | ug/l  | 1  | 01/28/25 | 02/06/25    | CDL EPA 200.8 <sup>3</sup> | EPA 200.8 <sup>6</sup> |
| Zinc       | < 10   | 10   | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |

(1) Instrument QC Batch: MA18787

(2) Instrument QC Batch: MA18795

(3) Instrument QC Batch: MA18812

(4) Instrument QC Batch: MA18816

(5) Prep QC Batch: MP40695

(6) Prep QC Batch: MP40702

(7) Prep QC Batch: MP40756

RL = Reporting Limit

Report of Analysis

|                          |              |                        |          |
|--------------------------|--------------|------------------------|----------|
| <b>Client Sample ID:</b> | MW-2         | <b>Date Sampled:</b>   | 01/23/25 |
| <b>Lab Sample ID:</b>    | DA70096-2    | <b>Date Received:</b>  | 01/24/25 |
| <b>Matrix:</b>           | AQ - Water   | <b>Percent Solids:</b> | n/a      |
| <b>Project:</b>          | Ogilvy River |                        |          |

General Chemistry

| Analyte                                  | Result | RL   | Units | DF | Analyzed       | By  | Method           |
|------------------------------------------|--------|------|-------|----|----------------|-----|------------------|
| <b>300.0</b>                             |        |      |       |    |                |     |                  |
| Fluoride                                 | 0.94   | 0.50 | mg/l  | 5  | 01/28/25 12:23 | AM  | EPA 300.0        |
| Chloride                                 | 77.6   | 13   | mg/l  | 25 | 01/28/25 14:42 | AM  | EPA 300.0        |
| Sulfate                                  | 720    | 13   | mg/l  | 25 | 01/28/25 14:42 | AM  | EPA 300.0        |
| Nitrogen, Nitrate + Nitrite <sup>a</sup> | 8.9    | 0.30 | mg/l  | 3  | 01/30/25 18:22 | ANJ | EPA 353.2/LACHAT |
| Nitrogen, Total Kjeldahl                 | < 0.20 | 0.20 | mg/l  | 1  | 02/14/25 13:50 | TH  | EPA 351.2        |
| Solids, Total Dissolved                  | 1410   | 10   | mg/l  | 1  | 01/28/25 07:00 | JW  | SM 2540C-2011    |

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit



## Report of Analysis

**Client Sample ID:** MW-2  
**Lab Sample ID:** DA70096-2F  
**Matrix:** AQ - Water Filtered  
**Project:** Ogilvy River

**Date Sampled:** 01/23/25  
**Date Received:** 01/24/25  
**Percent Solids:** n/a

## Dissolved Metals Analysis

| Analyte    | Result | RL   | Units | DF | Prep     | Analyzed By | Method                     | Prep Method            |
|------------|--------|------|-------|----|----------|-------------|----------------------------|------------------------|
| Aluminum   | < 50   | 50   | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Antimony   | < 0.40 | 0.40 | ug/l  | 1  | 01/28/25 | 02/06/25    | CDL EPA 200.8 <sup>3</sup> | EPA 200.8 <sup>6</sup> |
| Arsenic    | 0.74   | 0.20 | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Barium     | 53.1   | 2.0  | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Beryllium  | < 0.20 | 0.20 | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Boron      | 320    | 40   | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Cadmium    | < 0.10 | 0.10 | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Chromium   | < 2.0  | 2.0  | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Cobalt     | 0.33   | 0.20 | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Copper     | < 2.0  | 2.0  | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Iron       | 65.5   | 20   | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Lead       | < 0.50 | 0.50 | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Lithium    | 98.8   | 10   | ug/l  | 1  | 01/28/25 | 02/10/25    | CDL EPA 200.7 <sup>4</sup> | EPA 200.7 <sup>7</sup> |
| Manganese  | 143    | 1.0  | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Mercury    | < 0.10 | 0.10 | ug/l  | 1  | 01/28/25 | 01/29/25    | CDL EPA 245.1 <sup>1</sup> | EPA 245.1 <sup>5</sup> |
| Molybdenum | 9.6    | 1.0  | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Nickel     | < 2.0  | 2.0  | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Selenium   | 3.1    | 0.40 | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Silver     | < 0.10 | 0.10 | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Thallium   | < 0.20 | 0.20 | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Uranium    | 51.6   | 0.20 | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Vanadium   | < 1.0  | 1.0  | ug/l  | 1  | 01/28/25 | 02/06/25    | CDL EPA 200.8 <sup>3</sup> | EPA 200.8 <sup>6</sup> |
| Zinc       | < 10   | 10   | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |

(1) Instrument QC Batch: MA18787

(2) Instrument QC Batch: MA18795

(3) Instrument QC Batch: MA18812

(4) Instrument QC Batch: MA18816

(5) Prep QC Batch: MP40695

(6) Prep QC Batch: MP40702

(7) Prep QC Batch: MP40756

RL = Reporting Limit

Report of Analysis

|                          |              |                        |          |
|--------------------------|--------------|------------------------|----------|
| <b>Client Sample ID:</b> | MW-3         | <b>Date Sampled:</b>   | 01/23/25 |
| <b>Lab Sample ID:</b>    | DA70096-3    | <b>Date Received:</b>  | 01/24/25 |
| <b>Matrix:</b>           | AQ - Water   | <b>Percent Solids:</b> | n/a      |
| <b>Project:</b>          | Ogilvy River |                        |          |

General Chemistry

| Analyte                                  | Result | RL   | Units | DF | Analyzed       | By  | Method           |
|------------------------------------------|--------|------|-------|----|----------------|-----|------------------|
| <b>300.0</b>                             |        |      |       |    |                |     |                  |
| Fluoride                                 | 0.57   | 0.50 | mg/l  | 5  | 01/28/25 12:32 | AM  | EPA 300.0        |
| Chloride                                 | 94.8   | 13   | mg/l  | 25 | 01/28/25 14:51 | AM  | EPA 300.0        |
| Sulfate                                  | 508    | 13   | mg/l  | 25 | 01/28/25 14:51 | AM  | EPA 300.0        |
| Nitrogen, Nitrate + Nitrite <sup>a</sup> | 10.6   | 0.30 | mg/l  | 3  | 01/30/25 18:23 | ANJ | EPA 353.2/LACHAT |
| Nitrogen, Total Kjeldahl                 | < 0.20 | 0.20 | mg/l  | 1  | 02/14/25 13:50 | TH  | EPA 351.2        |
| Solids, Total Dissolved                  | 1060   | 10   | mg/l  | 1  | 01/28/25 07:00 | JW  | SM 2540C-2011    |

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

## Report of Analysis

Client Sample ID: MW-3

Lab Sample ID: DA70096-3F

Matrix: AQ - Water Filtered

Project: Ogilvy River

Date Sampled: 01/23/25

Date Received: 01/24/25

Percent Solids: n/a

## Dissolved Metals Analysis

| Analyte    | Result | RL   | Units | DF | Prep     | Analyzed By | Method                     | Prep Method            |
|------------|--------|------|-------|----|----------|-------------|----------------------------|------------------------|
| Aluminum   | < 50   | 50   | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Antimony   | < 0.40 | 0.40 | ug/l  | 1  | 01/28/25 | 02/06/25    | CDL EPA 200.8 <sup>3</sup> | EPA 200.8 <sup>6</sup> |
| Arsenic    | 0.29   | 0.20 | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Barium     | 45.0   | 2.0  | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Beryllium  | < 0.20 | 0.20 | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Boron      | 241    | 40   | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Cadmium    | < 0.10 | 0.10 | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Chromium   | < 2.0  | 2.0  | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Cobalt     | 0.26   | 0.20 | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Copper     | < 2.0  | 2.0  | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Iron       | < 20   | 20   | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Lead       | < 0.50 | 0.50 | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Lithium    | 43.3   | 10   | ug/l  | 1  | 01/28/25 | 02/10/25    | CDL EPA 200.7 <sup>4</sup> | EPA 200.7 <sup>7</sup> |
| Manganese  | 31.6   | 1.0  | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Mercury    | < 0.10 | 0.10 | ug/l  | 1  | 01/28/25 | 01/29/25    | CDL EPA 245.1 <sup>1</sup> | EPA 245.1 <sup>5</sup> |
| Molybdenum | 1.6    | 1.0  | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Nickel     | < 2.0  | 2.0  | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Selenium   | 0.52   | 0.40 | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Silver     | < 0.10 | 0.10 | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Thallium   | < 0.20 | 0.20 | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Uranium    | 50.1   | 0.20 | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Vanadium   | < 1.0  | 1.0  | ug/l  | 1  | 01/28/25 | 02/06/25    | CDL EPA 200.8 <sup>3</sup> | EPA 200.8 <sup>6</sup> |
| Zinc       | < 10   | 10   | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |

(1) Instrument QC Batch: MA18787

(2) Instrument QC Batch: MA18795

(3) Instrument QC Batch: MA18812

(4) Instrument QC Batch: MA18816

(5) Prep QC Batch: MP40696

(6) Prep QC Batch: MP40702

(7) Prep QC Batch: MP40756

RL = Reporting Limit

Report of Analysis

|                          |              |                        |          |
|--------------------------|--------------|------------------------|----------|
| <b>Client Sample ID:</b> | MW-4         | <b>Date Sampled:</b>   | 01/23/25 |
| <b>Lab Sample ID:</b>    | DA70096-4    | <b>Date Received:</b>  | 01/24/25 |
| <b>Matrix:</b>           | AQ - Water   | <b>Percent Solids:</b> | n/a      |
| <b>Project:</b>          | Ogilvy River |                        |          |

General Chemistry

| Analyte                                  | Result | RL   | Units | DF | Analyzed       | By  | Method           |
|------------------------------------------|--------|------|-------|----|----------------|-----|------------------|
| <b>300.0</b>                             |        |      |       |    |                |     |                  |
| Fluoride                                 | 0.18   | 0.10 | mg/l  | 1  | 01/28/25 15:25 | AM  | EPA 300.0        |
| Chloride                                 | 96.7   | 13   | mg/l  | 25 | 01/28/25 14:59 | AM  | EPA 300.0        |
| Sulfate                                  | 490    | 13   | mg/l  | 25 | 01/28/25 14:59 | AM  | EPA 300.0        |
| Nitrogen, Nitrate + Nitrite <sup>a</sup> | 10.8   | 0.30 | mg/l  | 3  | 01/30/25 18:24 | ANJ | EPA 353.2/LACHAT |
| Nitrogen, Total Kjeldahl                 | < 0.20 | 0.20 | mg/l  | 1  | 02/19/25 18:24 | TH  | EPA 351.2        |
| Solids, Total Dissolved                  | 1100   | 10   | mg/l  | 1  | 01/28/25 07:00 | JW  | SM 2540C-2011    |

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

## Report of Analysis

**Client Sample ID:** MW-4  
**Lab Sample ID:** DA70096-4F  
**Matrix:** AQ - Water Filtered  
**Project:** Ogilvy River

**Date Sampled:** 01/23/25  
**Date Received:** 01/24/25  
**Percent Solids:** n/a

## Dissolved Metals Analysis

| Analyte    | Result | RL   | Units | DF | Prep     | Analyzed By | Method                     | Prep Method            |
|------------|--------|------|-------|----|----------|-------------|----------------------------|------------------------|
| Aluminum   | < 50   | 50   | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Antimony   | < 0.40 | 0.40 | ug/l  | 1  | 01/28/25 | 02/06/25    | CDL EPA 200.8 <sup>3</sup> | EPA 200.8 <sup>6</sup> |
| Arsenic    | 0.27   | 0.20 | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Barium     | 25.1   | 2.0  | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Beryllium  | < 0.20 | 0.20 | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Boron      | 254    | 40   | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Cadmium    | < 0.10 | 0.10 | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Chromium   | < 2.0  | 2.0  | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Cobalt     | 0.20   | 0.20 | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Copper     | < 2.0  | 2.0  | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Iron       | < 20   | 20   | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Lead       | < 0.50 | 0.50 | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Lithium    | 30.0   | 10   | ug/l  | 1  | 01/28/25 | 02/10/25    | CDL EPA 200.7 <sup>4</sup> | EPA 200.7 <sup>7</sup> |
| Manganese  | 46.2   | 1.0  | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Mercury    | < 0.10 | 0.10 | ug/l  | 1  | 01/28/25 | 01/29/25    | CDL EPA 245.1 <sup>1</sup> | EPA 245.1 <sup>5</sup> |
| Molybdenum | 1.3    | 1.0  | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Nickel     | < 2.0  | 2.0  | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Selenium   | < 0.40 | 0.40 | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Silver     | < 0.10 | 0.10 | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Thallium   | < 0.20 | 0.20 | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Uranium    | 55.0   | 0.20 | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |
| Vanadium   | < 1.0  | 1.0  | ug/l  | 1  | 01/28/25 | 02/06/25    | CDL EPA 200.8 <sup>3</sup> | EPA 200.8 <sup>6</sup> |
| Zinc       | < 10   | 10   | ug/l  | 1  | 01/28/25 | 02/01/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>6</sup> |

(1) Instrument QC Batch: MA18787

(2) Instrument QC Batch: MA18795

(3) Instrument QC Batch: MA18812

(4) Instrument QC Batch: MA18816

(5) Prep QC Batch: MP40696

(6) Prep QC Batch: MP40702

(7) Prep QC Batch: MP40756

RL = Reporting Limit

Ogilvy River Farm Pit  
22032  
SGS Testing  
Quarter 1 2025

The results set forth herein are provided by SGS North America Inc.

***e-Hardcopy 2.0***  
***Automated Report***

## Technical Report for

Stewart Environmental

Sweet Valley Property

SGS Job Number: DA72268

Sampling Date: 05/09/25

Report to:

Stewart Environmental Consultants  
3801 Automation Way Suite 200  
Fort Collins, CO 80525  
dave.stewart@stewartenv.com; jcyork@j-tconsulting.com  
ATTN: Dave Stewart

Total number of pages in report: 74



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.



Eric Hoffman

Client Service contact: Parna Payandeh 303-425-6021

Certifications: CO (CO00049), ND (R-027), UT (NELAP CO00049), LA (LA150028), TX (T104704511), WY (8TMS-L) HI (CO00049), NJ (CO011), NV (CO00049), AK (CO00049), CA (3076), and NC (08701)

This report shall not be reproduced, except in its entirety, without the written approval of SGS.  
Test results relate only to samples analyzed.

Report of Analysis

Client Sample ID: OGILVY RIVER MW-1  
Lab Sample ID: DA72268-5  
Matrix: AQ - Water  
Project: Sweet Valley Property

Date Sampled: 05/09/25  
Date Received: 05/09/25  
Percent Solids: n/a

General Chemistry

| Analyte                                  | Result | RL   | Units | DF | Analyzed       | By  | Method           |
|------------------------------------------|--------|------|-------|----|----------------|-----|------------------|
| 300.0                                    |        |      |       |    |                |     |                  |
| Fluoride                                 | 0.48   | 0.20 | mg/l  | 2  | 05/14/25 02:40 | AM  | EPA 300.0        |
| Chloride                                 | 154    | 13   | mg/l  | 25 | 05/13/25 21:09 | AM  | EPA 300.0        |
| Sulfate                                  | 559    | 13   | mg/l  | 25 | 05/13/25 21:09 | AM  | EPA 300.0        |
| Nitrogen, Nitrate + Nitrite <sup>a</sup> | 9.9    | 0.30 | mg/l  | 3  | 05/22/25 22:04 | ANJ | EPA 353.2/LACHAT |
| Solids, Total Dissolved                  | 1220   | 10   | mg/l  | 1  | 05/12/25 07:00 | JW  | SM 2540C-2011    |

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit



## Report of Analysis

**Client Sample ID:** OGILVY RIVER MW-1**Lab Sample ID:** DA72268-5F**Matrix:** AQ - Water Filtered**Project:** Sweet Valley Property**Date Sampled:** 05/09/25**Date Received:** 05/09/25**Percent Solids:** n/a**Dissolved Metals Analysis**

| Analyte    | Result | RL   | Units | DF | Prep     | Analyzed By | Method                     | Prep Method            |
|------------|--------|------|-------|----|----------|-------------|----------------------------|------------------------|
| Aluminum   | < 50   | 50   | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Antimony   | < 0.40 | 0.40 | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Arsenic    | 0.80   | 0.20 | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Barium     | 53.4   | 2.0  | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Boron      | 243    | 40   | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Cadmium    | < 0.10 | 0.10 | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Chromium   | < 2.0  | 2.0  | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Cobalt     | 1.0    | 0.20 | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Copper     | < 2.0  | 2.0  | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Iron       | < 20   | 20   | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Lead       | < 0.50 | 0.50 | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Lithium    | 77.3   | 10   | ug/l  | 1  | 05/11/25 | 06/11/25    | CDL EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>6</sup> |
| Manganese  | 33.0   | 1.0  | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Mercury    | < 0.10 | 0.10 | ug/l  | 1  | 05/13/25 | 05/13/25    | GS EPA 245.1 <sup>1</sup>  | EPA 245.1 <sup>5</sup> |
| Molybdenum | 2.2    | 1.0  | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Nickel     | < 2.0  | 2.0  | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Selenium   | < 0.40 | 0.40 | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Silver     | < 0.10 | 0.10 | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Thallium   | < 0.20 | 0.20 | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Uranium    | 55.8   | 0.20 | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Vanadium   | 1.2    | 1.0  | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Zinc       | < 10   | 10   | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |

(1) Instrument QC Batch: MA19087

(2) Instrument QC Batch: MA19110

(3) Instrument QC Batch: MA19227

(4) Prep QC Batch: MP41226

(5) Prep QC Batch: MP41235

(6) Prep QC Batch: MP41516

RL = Reporting Limit

Report of Analysis

|                          |                       |                        |          |
|--------------------------|-----------------------|------------------------|----------|
| <b>Client Sample ID:</b> | OGILVY RIVER MW-2     | <b>Date Sampled:</b>   | 05/09/25 |
| <b>Lab Sample ID:</b>    | DA72268-6             | <b>Date Received:</b>  | 05/09/25 |
| <b>Matrix:</b>           | AQ - Water            | <b>Percent Solids:</b> | n/a      |
| <b>Project:</b>          | Sweet Valley Property |                        |          |

General Chemistry

| Analyte                                  | Result | RL   | Units | DF | Analyzed       | By  | Method           |
|------------------------------------------|--------|------|-------|----|----------------|-----|------------------|
| <b>300.0</b>                             |        |      |       |    |                |     |                  |
| Fluoride                                 | 0.80   | 0.20 | mg/l  | 2  | 05/14/25 02:49 | AM  | EPA 300.0        |
| Chloride                                 | 81.9   | 13   | mg/l  | 25 | 05/13/25 21:34 | AM  | EPA 300.0        |
| Sulfate                                  | 725    | 13   | mg/l  | 25 | 05/13/25 21:34 | AM  | EPA 300.0        |
| Nitrogen, Nitrate + Nitrite <sup>a</sup> | 8.6    | 0.30 | mg/l  | 3  | 05/22/25 22:07 | ANJ | EPA 353.2/LACHAT |
| Solids, Total Dissolved                  | 1400   | 10   | mg/l  | 1  | 05/12/25 07:00 | JW  | SM 2540C-2011    |

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

## Report of Analysis

**Client Sample ID:** OGILVY RIVER MW-2**Lab Sample ID:** DA72268-6F**Matrix:** AQ - Water Filtered**Project:** Sweet Valley Property**Date Sampled:** 05/09/25**Date Received:** 05/09/25**Percent Solids:** n/a**Dissolved Metals Analysis**

| Analyte    | Result | RL   | Units | DF | Prep     | Analyzed By | Method                     | Prep Method            |
|------------|--------|------|-------|----|----------|-------------|----------------------------|------------------------|
| Aluminum   | < 50   | 50   | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Antimony   | < 0.40 | 0.40 | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Arsenic    | 0.59   | 0.20 | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Barium     | 54.3   | 2.0  | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Boron      | 317    | 40   | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Cadmium    | < 0.10 | 0.10 | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Chromium   | < 2.0  | 2.0  | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Cobalt     | < 0.20 | 0.20 | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Copper     | < 2.0  | 2.0  | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Iron       | < 20   | 20   | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Lead       | < 0.50 | 0.50 | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Lithium    | 102    | 10   | ug/l  | 1  | 05/11/25 | 06/11/25    | CDL EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>6</sup> |
| Manganese  | 142    | 1.0  | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Mercury    | < 0.10 | 0.10 | ug/l  | 1  | 05/13/25 | 05/13/25    | GS EPA 245.1 <sup>1</sup>  | EPA 245.1 <sup>5</sup> |
| Molybdenum | 9.9    | 1.0  | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Nickel     | < 2.0  | 2.0  | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Selenium   | 2.6    | 0.40 | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Silver     | < 0.10 | 0.10 | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Thallium   | < 0.20 | 0.20 | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Uranium    | 41.1   | 0.20 | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Vanadium   | < 1.0  | 1.0  | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Zinc       | < 10   | 10   | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |

(1) Instrument QC Batch: MA19087

(2) Instrument QC Batch: MA19110

(3) Instrument QC Batch: MA19227

(4) Prep QC Batch: MP41226

(5) Prep QC Batch: MP41235

(6) Prep QC Batch: MP41516

RL = Reporting Limit

Report of Analysis

Client Sample ID: OGILVY RIVER MW-3  
Lab Sample ID: DA72268-7  
Matrix: AQ - Water  
Project: Sweet Valley Property

Date Sampled: 05/09/25  
Date Received: 05/09/25  
Percent Solids: n/a

General Chemistry

| Analyte                                  | Result | RL   | Units | DF | Analyzed       | By  | Method           |
|------------------------------------------|--------|------|-------|----|----------------|-----|------------------|
| 300.0                                    |        |      |       |    |                |     |                  |
| Fluoride                                 | 0.38   | 0.20 | mg/l  | 2  | 05/14/25 03:06 | AM  | EPA 300.0        |
| Chloride                                 | 110    | 13   | mg/l  | 25 | 05/14/25 02:57 | AM  | EPA 300.0        |
| Sulfate                                  | 572    | 13   | mg/l  | 25 | 05/14/25 02:57 | AM  | EPA 300.0        |
| Nitrogen, Nitrate + Nitrite <sup>a</sup> | 11.9   | 0.30 | mg/l  | 3  | 05/22/25 22:08 | ANJ | EPA 353.2/LACHAT |
| Solids, Total Dissolved                  | 1050   | 10   | mg/l  | 1  | 05/12/25 07:00 | JW  | SM 2540C-2011    |

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

## Report of Analysis

**Client Sample ID:** OGILVY RIVER MW-3**Lab Sample ID:** DA72268-7F**Matrix:** AQ - Water Filtered**Date Sampled:** 05/09/25**Date Received:** 05/09/25**Percent Solids:** n/a**Project:** Sweet Valley Property**Dissolved Metals Analysis**

| Analyte    | Result | RL   | Units | DF | Prep     | Analyzed By | Method                     | Prep Method            |
|------------|--------|------|-------|----|----------|-------------|----------------------------|------------------------|
| Aluminum   | < 50   | 50   | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Antimony   | < 0.40 | 0.40 | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Arsenic    | 0.35   | 0.20 | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Barium     | 34.3   | 2.0  | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Boron      | 252    | 40   | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Cadmium    | < 0.10 | 0.10 | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Chromium   | < 2.0  | 2.0  | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Cobalt     | < 0.20 | 0.20 | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Copper     | < 2.0  | 2.0  | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Iron       | < 20   | 20   | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Lead       | < 0.50 | 0.50 | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Lithium    | 46.6   | 10   | ug/l  | 1  | 05/11/25 | 06/11/25    | CDL EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>6</sup> |
| Manganese  | 31.2   | 1.0  | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Mercury    | < 0.10 | 0.10 | ug/l  | 1  | 05/13/25 | 05/13/25    | GS EPA 245.1 <sup>1</sup>  | EPA 245.1 <sup>5</sup> |
| Molybdenum | 1.7    | 1.0  | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Nickel     | < 2.0  | 2.0  | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Selenium   | 0.50   | 0.40 | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Silver     | < 0.10 | 0.10 | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Thallium   | < 0.20 | 0.20 | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Uranium    | 53.3   | 0.20 | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Vanadium   | < 1.0  | 1.0  | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Zinc       | < 10   | 10   | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |

(1) Instrument QC Batch: MA19087

(2) Instrument QC Batch: MA19110

(3) Instrument QC Batch: MA19227

(4) Prep QC Batch: MP41226

(5) Prep QC Batch: MP41235

(6) Prep QC Batch: MP41516

RL = Reporting Limit

Report of Analysis

|                          |                       |                        |          |
|--------------------------|-----------------------|------------------------|----------|
| <b>Client Sample ID:</b> | OGILVY RIVER MW-4     | <b>Date Sampled:</b>   | 05/09/25 |
| <b>Lab Sample ID:</b>    | DA72268-8             | <b>Date Received:</b>  | 05/09/25 |
| <b>Matrix:</b>           | AQ - Water            | <b>Percent Solids:</b> | n/a      |
| <b>Project:</b>          | Sweet Valley Property |                        |          |

General Chemistry

| Analyte                                  | Result | RL   | Units | DF | Analyzed       | By  | Method           |
|------------------------------------------|--------|------|-------|----|----------------|-----|------------------|
| <b>300.0</b>                             |        |      |       |    |                |     |                  |
| Fluoride                                 | 0.25   | 0.20 | mg/l  | 2  | 05/14/25 03:23 | AM  | EPA 300.0        |
| Chloride                                 | 97.7   | 13   | mg/l  | 25 | 05/14/25 03:15 | AM  | EPA 300.0        |
| Sulfate                                  | 477    | 13   | mg/l  | 25 | 05/14/25 03:15 | AM  | EPA 300.0        |
| Nitrogen, Nitrate + Nitrite <sup>a</sup> | 11.7   | 0.30 | mg/l  | 3  | 05/22/25 22:09 | ANJ | EPA 353.2/LACHAT |
| Solids, Total Dissolved                  | 1000   | 10   | mg/l  | 1  | 05/12/25 07:00 | JW  | SM 2540C-2011    |

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

## Report of Analysis

**Client Sample ID:** OGILVY RIVER MW-4**Lab Sample ID:** DA72268-8F**Matrix:** AQ - Water Filtered**Project:** Sweet Valley Property**Date Sampled:** 05/09/25**Date Received:** 05/09/25**Percent Solids:** n/a**Dissolved Metals Analysis**

| Analyte    | Result | RL   | Units | DF | Prep     | Analyzed By | Method                     | Prep Method            |
|------------|--------|------|-------|----|----------|-------------|----------------------------|------------------------|
| Aluminum   | < 50   | 50   | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Antimony   | < 0.40 | 0.40 | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Arsenic    | 0.26   | 0.20 | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Barium     | 25.6   | 2.0  | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Boron      | 261    | 40   | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Cadmium    | < 0.10 | 0.10 | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Chromium   | < 2.0  | 2.0  | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Cobalt     | < 0.20 | 0.20 | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Copper     | < 2.0  | 2.0  | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Iron       | < 20   | 20   | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Lead       | < 0.50 | 0.50 | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Lithium    | 32.3   | 10   | ug/l  | 1  | 05/11/25 | 06/11/25    | CDL EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>6</sup> |
| Manganese  | 29.1   | 1.0  | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Mercury    | < 0.10 | 0.10 | ug/l  | 1  | 05/13/25 | 05/13/25    | GS EPA 245.1 <sup>1</sup>  | EPA 245.1 <sup>5</sup> |
| Molybdenum | 1.2    | 1.0  | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Nickel     | < 2.0  | 2.0  | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Selenium   | < 0.40 | 0.40 | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Silver     | < 0.10 | 0.10 | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Thallium   | < 0.20 | 0.20 | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Uranium    | 55.7   | 0.20 | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Vanadium   | < 1.0  | 1.0  | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Zinc       | < 10   | 10   | ug/l  | 1  | 05/11/25 | 05/17/25    | CDL EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |

(1) Instrument QC Batch: MA19087

(2) Instrument QC Batch: MA19110

(3) Instrument QC Batch: MA19227

(4) Prep QC Batch: MP41226

(5) Prep QC Batch: MP41235

(6) Prep QC Batch: MP41516

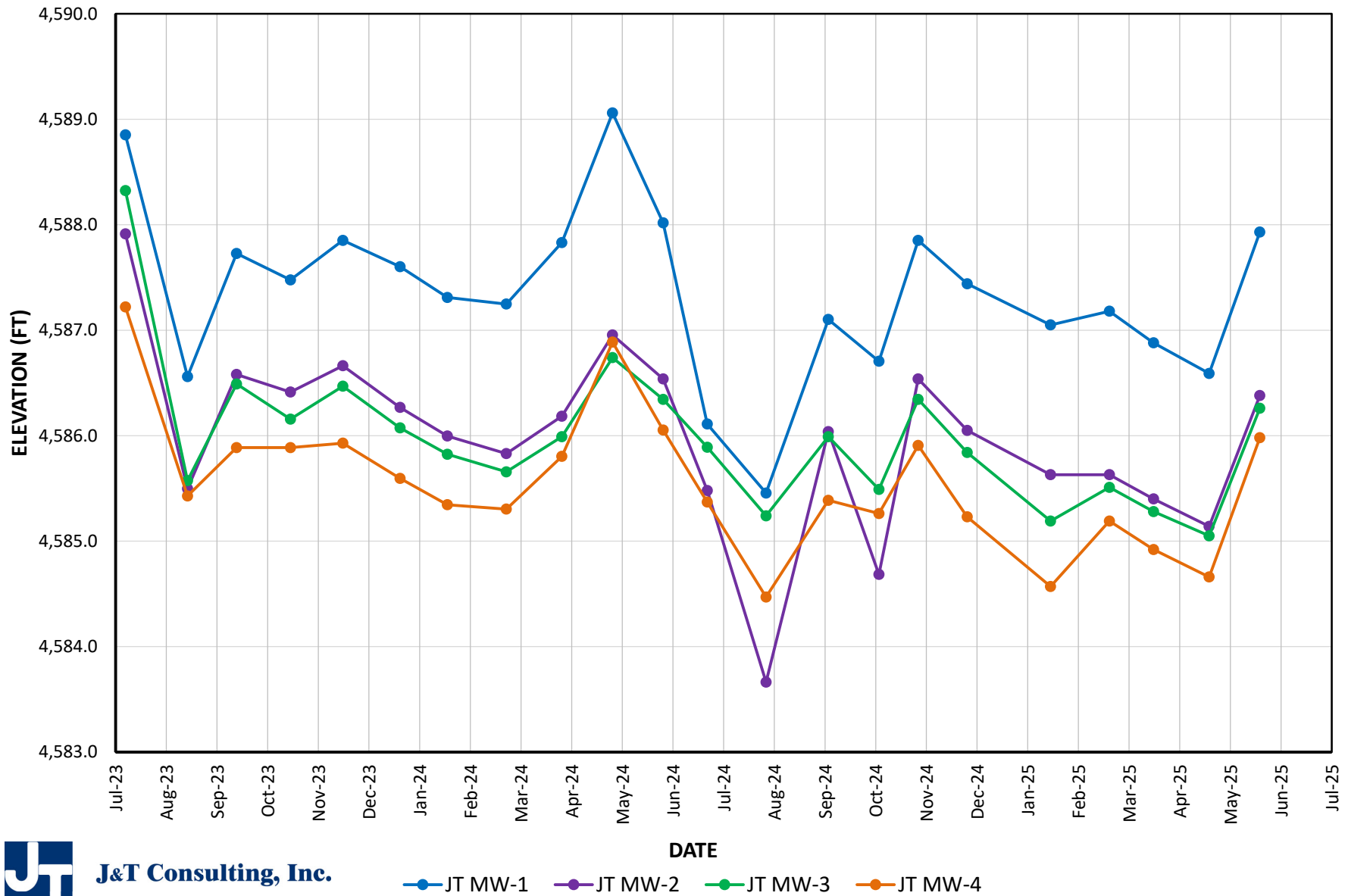
RL = Reporting Limit

## Ogilvy River Farm Pit - Monitor Well Readings

| Well Designation           | JT MW-1                                    |                                       |                               | JT MW-2                                    |                                       |                               | JT MW-3                                    |                                       |                               | JT MW-4                                    |                                       |                               |
|----------------------------|--------------------------------------------|---------------------------------------|-------------------------------|--------------------------------------------|---------------------------------------|-------------------------------|--------------------------------------------|---------------------------------------|-------------------------------|--------------------------------------------|---------------------------------------|-------------------------------|
| Description                | Northwest Side                             |                                       |                               | Northeast Side                             |                                       |                               | Southwest Side                             |                                       |                               | Southeast Side                             |                                       |                               |
| Top of Well Elevation (ft) | 4612.31                                    |                                       |                               | 4611.58                                    |                                       |                               | 4592.99                                    |                                       |                               | 4592.47                                    |                                       |                               |
| Ground Elevation (ft)      | 4610.25                                    |                                       |                               | 4609.27                                    |                                       |                               | 4591.01                                    |                                       |                               | 4590.66                                    |                                       |                               |
| Date                       | Depth to Groundwater from Top of Well (ft) | Depth to Groundwater from Ground (ft) | Elevation of Groundwater (ft) | Depth to Groundwater from Top of Well (ft) | Depth to Groundwater from Ground (ft) | Elevation of Groundwater (ft) | Depth to Groundwater from Top of Well (ft) | Depth to Groundwater from Ground (ft) | Elevation of Groundwater (ft) | Depth to Groundwater from Top of Well (ft) | Depth to Groundwater from Ground (ft) | Elevation of Groundwater (ft) |
| July 7, 2023               | 23.46                                      | 21.40                                 | 4588.85                       | 23.67                                      | 21.36                                 | 4587.91                       | 4.67                                       | 2.69                                  | 4588.32                       | 5.25                                       | 3.44                                  | 4587.22                       |
| August 14, 2023            | 25.75                                      | 23.69                                 | 4586.56                       | 26.08                                      | 23.77                                 | 4585.50                       | 7.42                                       | 5.44                                  | 4585.57                       | 7.04                                       | 5.23                                  | 4585.43                       |
| September 13, 2023         | 24.58                                      | 22.52                                 | 4587.73                       | 25.00                                      | 22.69                                 | 4586.58                       | 6.50                                       | 4.52                                  | 4586.49                       | 6.58                                       | 4.77                                  | 4585.89                       |
| October 16, 2023           | 24.83                                      | 22.77                                 | 4587.48                       | 25.17                                      | 22.86                                 | 4586.41                       | 6.83                                       | 4.85                                  | 4586.16                       | 6.58                                       | 4.77                                  | 4585.89                       |
| November 17, 2023          | 24.46                                      | 22.40                                 | 4587.85                       | 24.92                                      | 22.61                                 | 4586.66                       | 6.52                                       | 4.54                                  | 4586.47                       | 6.54                                       | 4.73                                  | 4585.93                       |
| December 22, 2023          | 24.71                                      | 22.65                                 | 4587.60                       | 25.31                                      | 23.00                                 | 4586.27                       | 6.92                                       | 4.94                                  | 4586.07                       | 6.88                                       | 5.06                                  | 4585.60                       |
| January 20, 2024           | 25.00                                      | 22.94                                 | 4587.31                       | 25.58                                      | 23.27                                 | 4586.00                       | 7.17                                       | 5.19                                  | 4585.82                       | 7.13                                       | 5.31                                  | 4585.35                       |
| February 25, 2024          | 25.06                                      | 23.00                                 | 4587.25                       | 25.75                                      | 23.44                                 | 4585.83                       | 7.33                                       | 5.35                                  | 4585.66                       | 7.17                                       | 5.36                                  | 4585.30                       |
| March 30, 2024             | 24.48                                      | 22.42                                 | 4587.83                       | 25.40                                      | 23.09                                 | 4586.18                       | 7.00                                       | 5.02                                  | 4585.99                       | 6.67                                       | 4.86                                  | 4585.80                       |
| April 30, 2024             | 23.25                                      | 21.19                                 | 4589.06                       | 24.63                                      | 22.32                                 | 4586.96                       | 6.25                                       | 4.27                                  | 4586.74                       | 5.58                                       | 3.77                                  | 4586.89                       |
| May 31, 2024               | 24.29                                      | 22.23                                 | 4588.02                       | 25.04                                      | 22.73                                 | 4586.54                       | 6.65                                       | 4.67                                  | 4586.34                       | 6.42                                       | 4.61                                  | 4586.05                       |
| June 27, 2024              | 26.20                                      | 24.14                                 | 4586.11                       | 26.10                                      | 23.79                                 | 4585.48                       | 7.10                                       | 5.12                                  | 4585.89                       | 7.10                                       | 5.29                                  | 4585.37                       |
| August 2, 2024             | 26.85                                      | 24.79                                 | 4585.46                       | 27.92                                      | 25.61                                 | 4583.66                       | 7.75                                       | 5.77                                  | 4585.24                       | 8.00                                       | 6.19                                  | 4584.47                       |
| September 9, 2024          | 25.21                                      | 23.15                                 | 4587.10                       | 25.54                                      | 23.23                                 | 4586.04                       | 7.00                                       | 5.02                                  | 4585.99                       | 7.08                                       | 5.27                                  | 4585.39                       |
| October 10, 2024           | 25.60                                      | 23.54                                 | 4586.71                       | 26.90                                      | 24.59                                 | 4584.68                       | 7.50                                       | 5.52                                  | 4585.49                       | 7.21                                       | 5.40                                  | 4585.26                       |
| November 3, 2024           | 24.46                                      | 22.40                                 | 4587.85                       | 25.04                                      | 22.73                                 | 4586.54                       | 6.65                                       | 4.67                                  | 4586.34                       | 6.56                                       | 4.75                                  | 4585.91                       |
| December 3, 2024           | 24.87                                      | 22.81                                 | 4587.44                       | 25.53                                      | 23.22                                 | 4586.05                       | 7.15                                       | 5.17                                  | 4585.84                       | 7.24                                       | 5.43                                  | 4585.23                       |
| January 23, 2025           | 25.26                                      | 23.20                                 | 4587.05                       | 25.95                                      | 23.64                                 | 4585.63                       | 7.80                                       | 5.82                                  | 4585.19                       | 7.90                                       | 6.09                                  | 4584.57                       |
| February 28, 2025          | 25.13                                      | 23.07                                 | 4587.18                       | 25.95                                      | 23.64                                 | 4585.63                       | 7.48                                       | 5.50                                  | 4585.51                       | 7.28                                       | 5.47                                  | 4585.19                       |
| March 27, 2025             | 25.43                                      | 23.37                                 | 4586.88                       | 26.18                                      | 23.87                                 | 4585.40                       | 7.71                                       | 5.73                                  | 4585.28                       | 7.55                                       | 5.74                                  | 4584.92                       |
| April 30, 2025             | 25.72                                      | 23.66                                 | 4586.59                       | 26.44                                      | 24.13                                 | 4585.14                       | 7.94                                       | 5.96                                  | 4585.05                       | 7.81                                       | 6.00                                  | 4584.66                       |
| May 31, 2025               | 24.38                                      | 22.32                                 | 4587.93                       | 25.20                                      | 22.89                                 | 4586.38                       | 6.73                                       | 4.75                                  | 4586.26                       | 6.49                                       | 4.68                                  | 4585.98                       |
| Minimum                    | 23.25                                      | 21.19                                 | 4585.46                       | 23.67                                      | 21.36                                 | 4583.66                       | 4.67                                       | 2.69                                  | 4585.05                       | 5.25                                       | 3.44                                  | 4584.47                       |
| Maximum                    | 26.85                                      | 24.79                                 | 4589.06                       | 27.92                                      | 25.61                                 | 4587.91                       | 7.94                                       | 5.96                                  | 4588.32                       | 8.00                                       | 6.19                                  | 4587.22                       |
| Average                    | 24.95                                      | 22.89                                 | 4587.36                       | 25.60                                      | 23.29                                 | 4585.98                       | 7.00                                       | 5.02                                  | 4585.99                       | 6.91                                       | 5.10                                  | 4585.56                       |



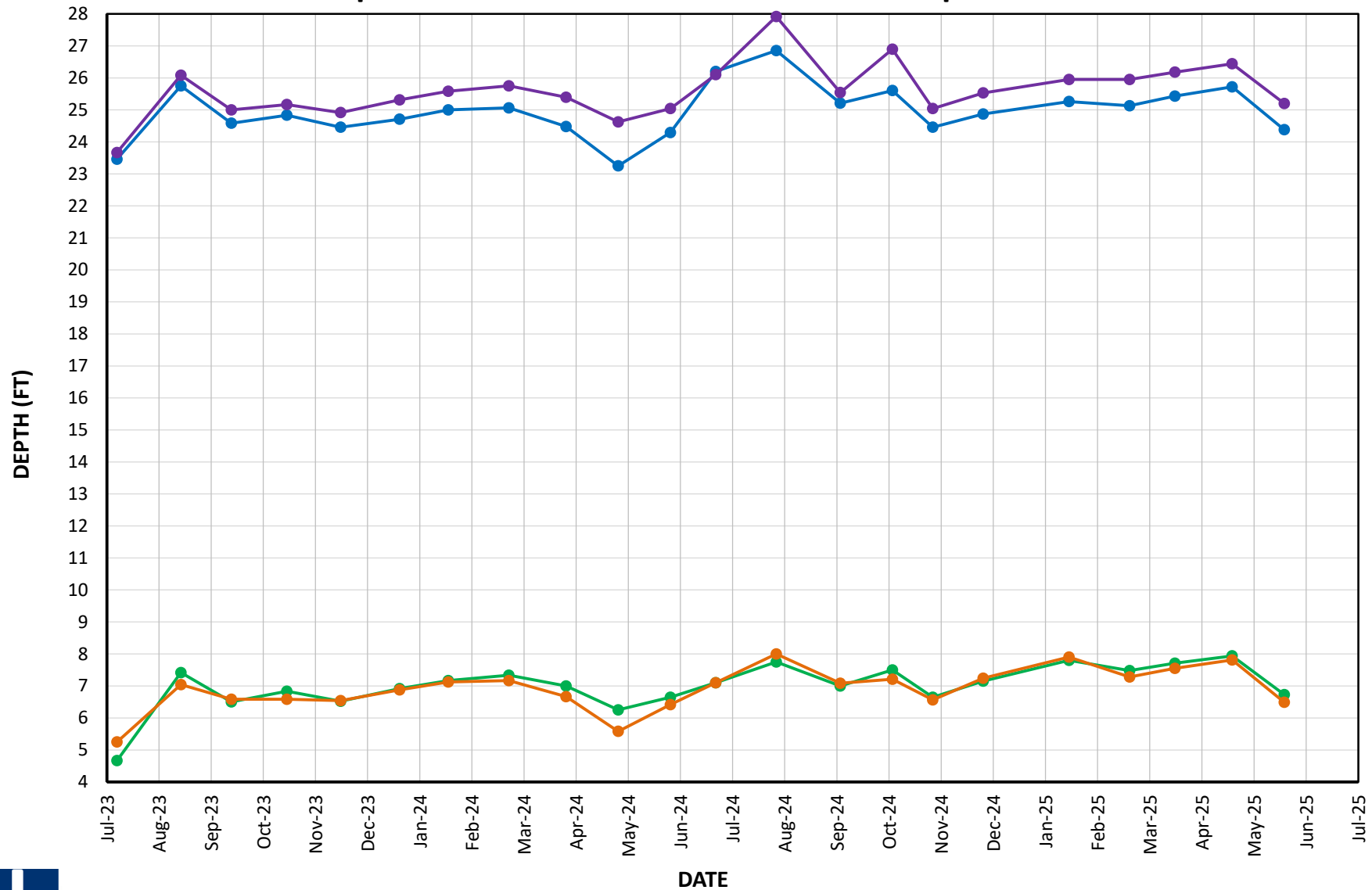
## Ogilvy River Farm Pit Monitor Wells Elevation of Groundwater



J&T Consulting, Inc.

# Ogilvy River Farm Pit Monitor Wells

## Depth to Groundwater Measured From Top of Well

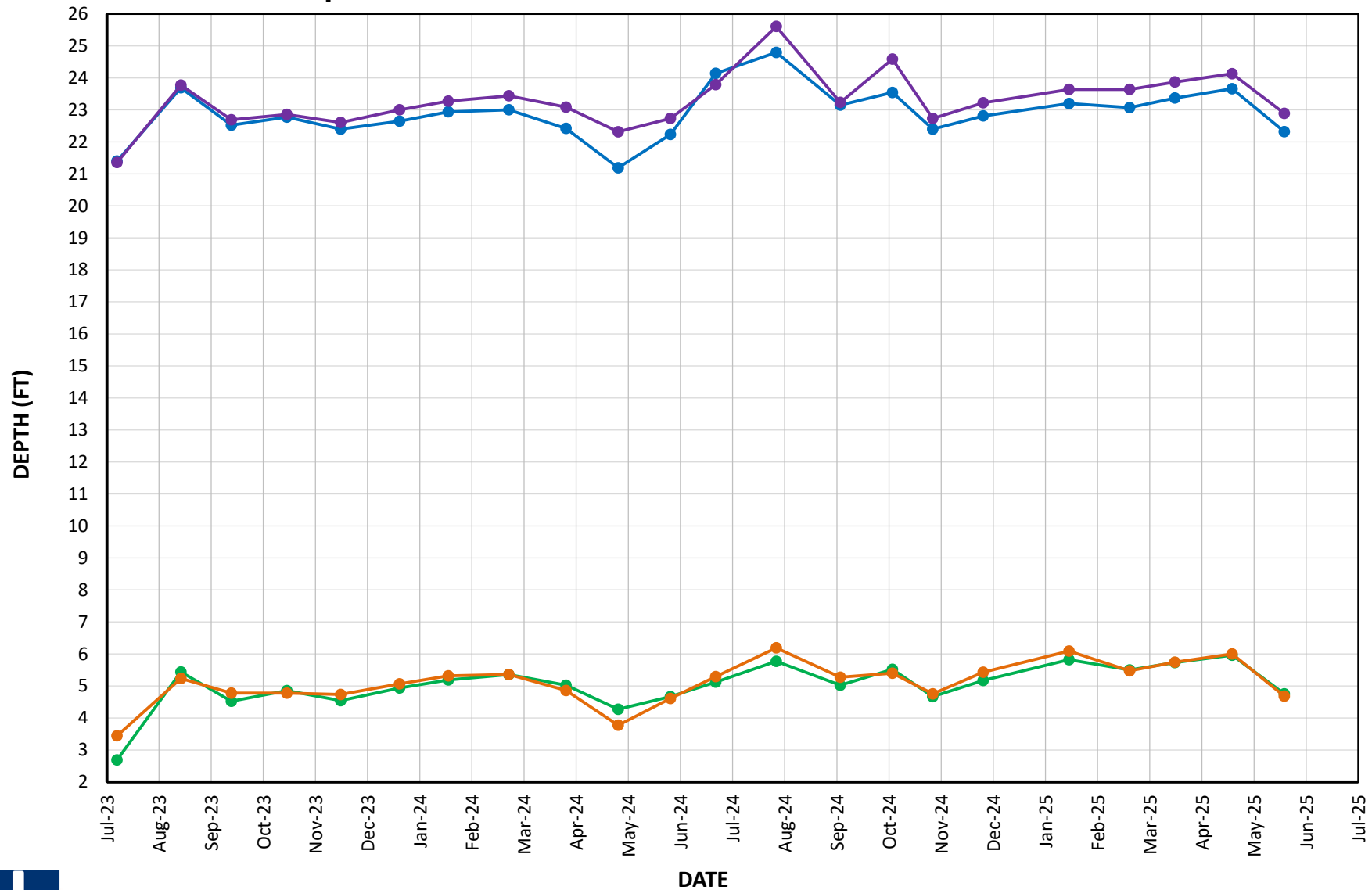


J&T Consulting, Inc.

—●— JT MW-1    —●— JT MW-2    —●— JT MW-3    —●— JT MW-4

## Ogilvy River Farm Pit Monitor Wells

### Depth to Groundwater Measured From Ground Surface



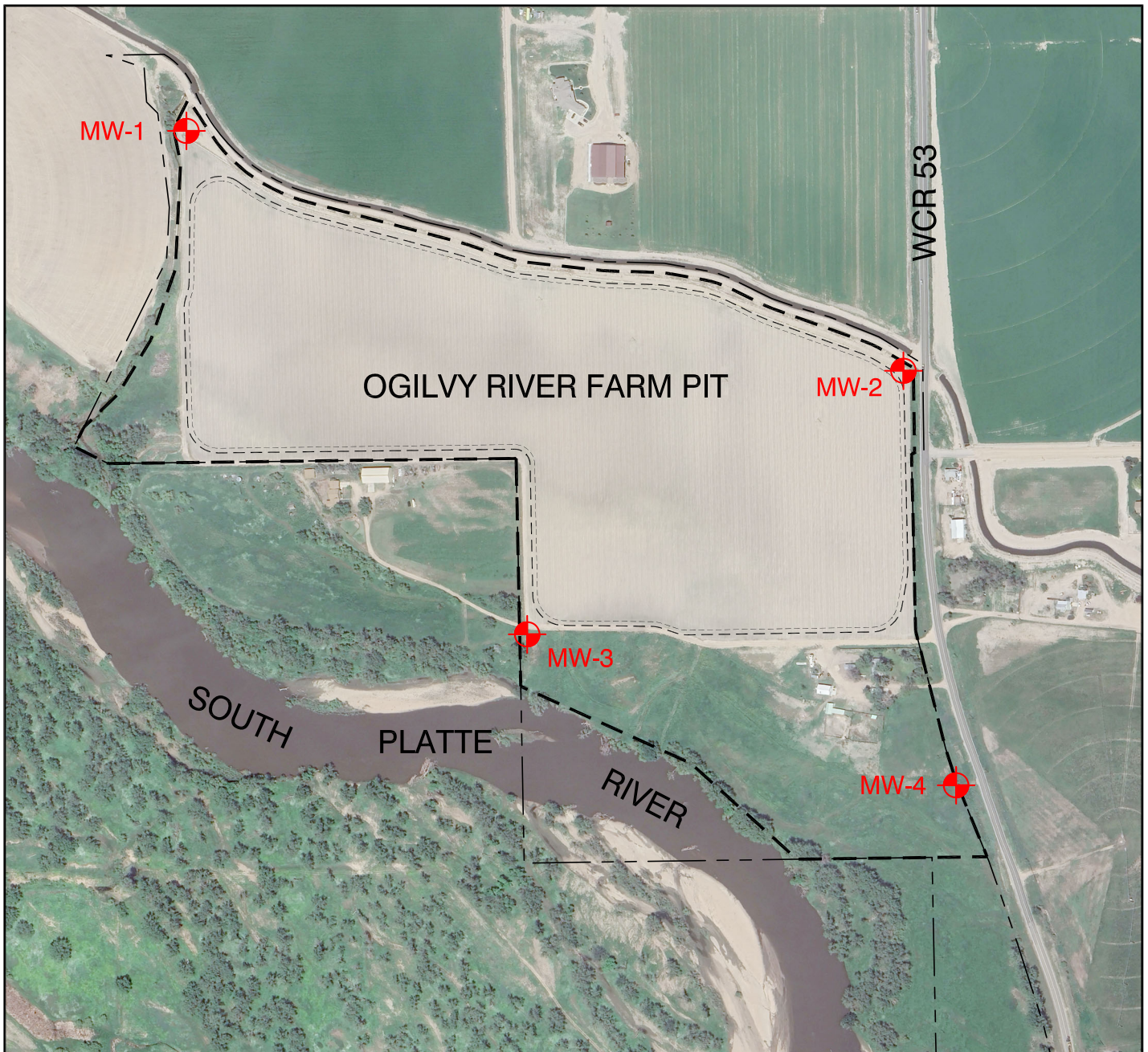
J&T Consulting, Inc.

—●— JT MW-1

—●— JT MW-2

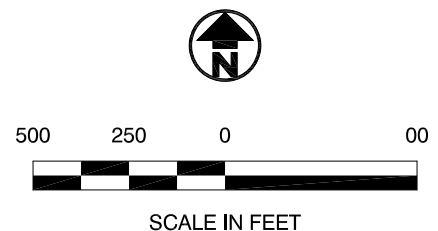
—●— JT MW-3

—●— JT MW-4



## LEGEND

- — — — — PROPERTY LINE
- - - - - MINING LIMIT
- . - . - . SLURRY WALL
- - - - - PERMIT BOUNDARY
-  **MW-1** PIEZOMETER LOCATION



**J&T Consulting, Inc.**

305 Denver Avenue - Suite D  
Fort Lupton, CO 80621  
303-857-6222

Ogilvy River Farm, LLC  
Ogilvy River Farm Pit  
Piezometer Location Map

|          |           |
|----------|-----------|
| Date:    | 6.10.24   |
| Job No:  | 22032     |
| Drawn:   | TPY       |
| Scale:   | 1" = 500' |
| Sheet: 1 | Of: 1     |