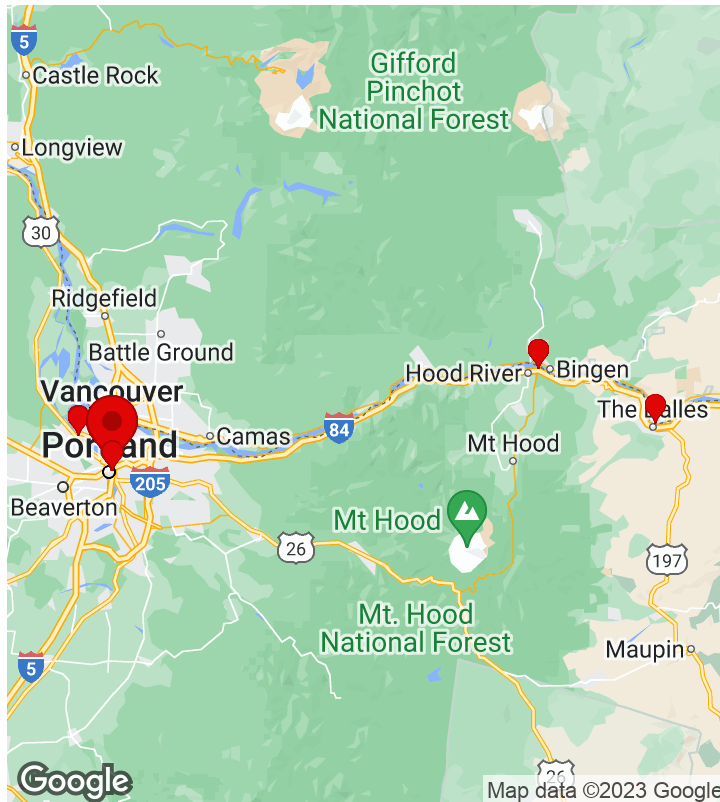


# Oregon Data Collection - Final



Investigation of data points along the Columbia River and Willamette River.

## August 4, 2022



### CREATED

🕒 8/4/2022, 2:05:55 PM UTC

👤 by Monique Rydel

### UPDATED

🕒 7/9/2023, 4:19:31 PM UTC

👤 by Monique Rydel

### LOCATION

📍 45.521270, -122.670730

## General Report Information

|                     |   |
|---------------------|---|
| Date                | August 4, 2022                                      |
| River/Body of Water | Willamette River, Columbia River                    |
| Personnel           | Seth Jones, Monique Rydel, Susan Pulliam, John West |
| Start Time          | 07:05   |
| Travel Method       | Land, Boat  |

## Weather Information

|                     |      |
|---------------------|------|
| Air Temperature (c) | 12.8 |
| Wind Speed (mph)    | 2.2  |

## Site Locations (16 Items)

### Site Locations - 1. Willamette River - WR, 2

#### Weather

|  |   |
|--|---|
| Air Temperature (c)                                  | 12.8  |
| Weather Condition                                    | Partly cloudy   |
| Wind Speed (mph)                                     | 2.2   |
| Humidity (%)   | 86  |
| Precipitation (mm)                                   | 0   |
| Way Point Prefix                                     | Willamette River - WR   |
| Way Point Number                                     | 2   |
| Time at Way Point                                    | 07:10   |
| Way Point Description                                | Underground Vault, Manhole, Bell Systems x5. See 2.2 for cable specific data. Lead visible from 2.2. No Sample Collected. |
| Are there visible signs indicating a cable crossing? | No  |
| Is there buried or visible cable at location?        | Yes   |
| How many cables are visible?                         | 11  |
| Is lead visible?                                     | No  |

## Specific Cable Information

### Site Photos



## Site Locations - 2. Willamette River - WR, 2.2

### Weather

|  |  |
|--|--|
| Air Temperature (c)                                  | 11.7   |
| Weather Condition                                    | Partly cloudy                                      |
| Wind Speed (mph)                                     | 3.8  |
| Humidity (%)   | 93   |
| Precipitation (mm)                                   | 0  |
| Way Point Prefix                                     | Willamette River - WR                              |
| Way Point Number                                     | 2.2  |
| Time at Way Point                                    | 07:12  |
| Way Point Description                                | Cable Location, Come back with data from the river |
| Are there visible signs indicating a cable crossing? | No   |

|   |     |
|---|-----|
| Is there buried or visible cable at location? | Yes |
| How many cables are visible?                  | 11  |
| Is lead visible?                              | Yes |

### Specific Cable Information (1 Item)

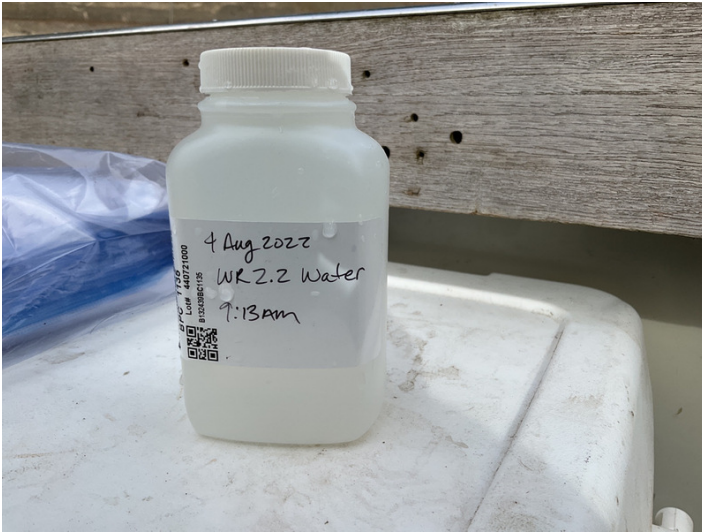
#### Specific Cable Information - 1. All

|  |           |
|--|-----------|
| Cable #  | All       |
| Visible Length (ft)                                | 20-30     |
| Type of Cable (Power, Telecom, Fiber Optic, Other) | Telecom   |
| Is this a leaded cable?                            | Yes       |
| Is the cable(s) Terrestrial, Submarine or Both?    | Submarine |
| Was there a sample collected?                      | Yes       |
| How many samples collected?                        | 1         |

### Sample Information - Specific Cable (2 Items)

#### Sample Information - Specific Cable - 1. Water: Directly on Cable, 2.2 Water

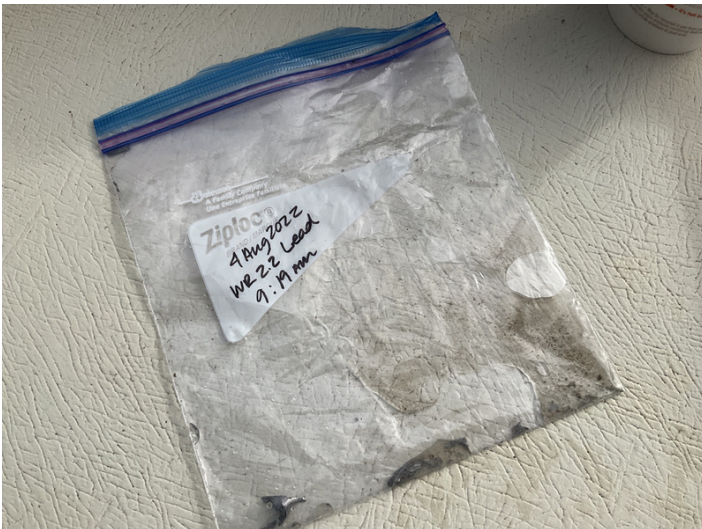
|  |                          |
|--|--------------------------|
| Type of Sample (Water, Sediment, Cable, Manhole, Splice Box, etc.) | Water: Directly on Cable |
| If more than one cable, what Cable was Sample collected from?      | All                      |
| Time of Collection - Specific Cable                                | 09:13                    |
| Sample Prefix - Specific Cable                                     | Willamette River - WR    |
| Sample ID (#) - Specific Cable                                     | 2.2 Water                |
| Duplicate Collected - Specific Cable?                              | No                       |
| Photo of Specific Cable Sample(s)                                  |                          |



### Sample Information - Specific Cable - 2. Lead Scraping, 2.2 Lead

|  |                       |
|--|-----------------------|
| Type of Sample (Water, Sediment, Cable, Manhole, Splice Box, etc.) | Lead Scraping         |
| If more than one cable, what Cable was Sample collected from?      | 10                    |
| Time of Collection - Specific Cable                                | 09:19                 |
| Sample Prefix - Specific Cable                                     | Willamette River - WR |
| Sample ID (#) - Specific Cable                                     | 2.2 Lead              |
| Duplicate Collected - Specific Cable?                              | No                    |

#### Photo of Specific Cable Sample(s)



#### Site Photos



### Site Locations - 3. Willamette River - WR, 3

#### Weather

|  |                       |
|--|-----------------------|
| Air Temperature (c)                                  | 13.9                  |
| Weather Condition                                    | Overcast              |
| Wind Speed (mph)                                     | 2.2                   |
| Humidity (%)   | 87                    |
| Precipitation (mm)                                   | 0                     |
| Way Point Prefix                                     | Willamette River - WR |
| Way Point Number                                     | 3                     |
| Time at Way Point                                    | 07:15                 |
| Way Point Description                                | Cable Location        |
| Are there visible signs indicating a cable crossing? | Yes                   |

|                              |                                    |
|------------------------------|------------------------------------|
| Identify what the signs say. | Western Union Telcom Co. Old Sign. |
|------------------------------|------------------------------------|

|   |     |
|---|-----|
| Is there buried or visible cable at location? | Yes |
|---|-----|

|                              |   |
|------------------------------|---|
| How many cables are visible? | 1 |
|------------------------------|---|

|                  |     |
|------------------|-----|
| Is lead visible? | Yes |
|------------------|-----|

### Specific Cable Information (1 Item)

#### Specific Cable Information - 1. 1

|         |   |
|---------|---|
| Cable # | 1 |
|---------|---|

|                     |    |
|---------------------|----|
| Visible Length (ft) | 30 |
|---------------------|----|

|  |         |
|--|---------|
| Type of Cable (Power, Telecom, Fiber Optic, Other) | Telecom |
|--|---------|

|                         |     |
|-------------------------|-----|
| Is this a leaded cable? | Yes |
|-------------------------|-----|

|   |           |
|---|-----------|
| Is the cable(s) Terrestrial, Submarine or Both? | Submarine |
|---|-----------|

|                               |     |
|-------------------------------|-----|
| Was there a sample collected? | Yes |
|-------------------------------|-----|

|                             |   |
|-----------------------------|---|
| How many samples collected? | 2 |
|-----------------------------|---|

### Sample Information - Specific Cable (2 Items)

#### Sample Information - Specific Cable - 1. Water: Directly on Cable, 3 Water

|  |                          |
|--|--------------------------|
| Type of Sample (Water, Sediment, Cable, Manhole, Splice Box, etc.) | Water: Directly on Cable |
|--|--------------------------|

|   |   |
|---|---|
| If more than one cable, what Cable was Sample collected from? | 1 |
|---|---|

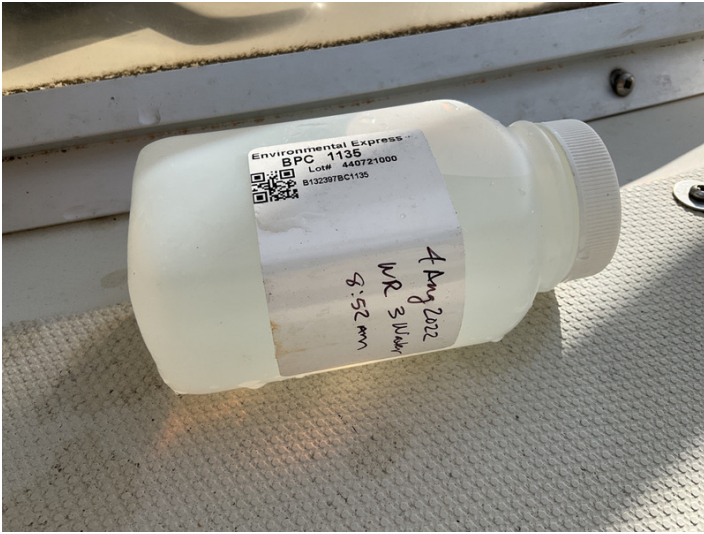
|                                     |       |
|-------------------------------------|-------|
| Time of Collection - Specific Cable | 08:52 |
|-------------------------------------|-------|

|                                |                       |
|--------------------------------|-----------------------|
| Sample Prefix - Specific Cable | Willamette River - WR |
|--------------------------------|-----------------------|

|                                |         |
|--------------------------------|---------|
| Sample ID (#) - Specific Cable | 3 Water |
|--------------------------------|---------|

|                                       |    |
|---------------------------------------|----|
| Duplicate Collected - Specific Cable? | No |
|---------------------------------------|----|

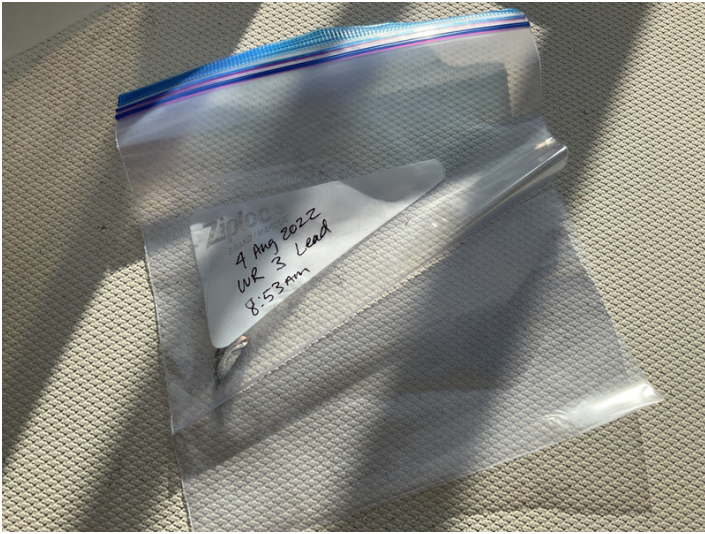
Photo of Specific Cable Sample(s)



### Sample Information - Specific Cable - 2. Lead Scraping, 3 Lead

|  |                       |
|--|-----------------------|
| Type of Sample (Water, Sediment, Cable, Manhole, Splice Box, etc.) | Lead Scraping         |
| If more than one cable, what Cable was Sample collected from?      | 1                     |
| Time of Collection - Specific Cable                                | 08:53                 |
| Sample Prefix - Specific Cable                                     | Willamette River - WR |
| Sample ID (#) - Specific Cable                                     | 3 Lead                |
| Duplicate Collected - Specific Cable?                              | No                    |
| Photo of Specific Cable Sample(s)                                  |                       |





Site Photos





## Site Locations - 4. Willamette River - WR, 4

### Weather

|                     |               |
|---------------------|---------------|
| Air Temperature (c) | 12.8          |
| Weather Condition   | Partly cloudy |
| Wind Speed (mph)    | 2.2           |
| Humidity (%)        | 89            |
| Precipitation (mm)  | 0             |

|  |  |
|--|--|
| Way Point Prefix                                     | Willamette River - WR                          |
| Way Point Number                                     | 4  |
| Time at Way Point                                    | 08:16  |
| Way Point Description                                | Water Intake, Drinking Fountain in public park |
| Are there visible signs indicating a cable crossing? | N/A  |
| Is there buried or visible cable at location?        | N/A  |

### Water Intake or Drinking Fountain Information (1 Item)

#### Water Intake or Drinking Fountain Information - 1. 45.58775618925175

|  |                   |
|--|-------------------|
| Is the Water Intake Upstream or Downstream | Drinking fountain |
| Was there a Water Intake sample collected? | Yes               |
| How many Water Intake samples collected?   | 1                 |

### Sample Information - Water Intake (1 Item)

#### Sample Information - Water Intake - 1. Willamette River - WR, 4

|   |                       |
|---|-----------------------|
| Location of Collected Water Intake Sample | Drinking Fountain     |
| Time of Collection - Water Intake         | 08:16                 |
| Sample Prefix - Water Intake              | Willamette River - WR |
| Sample ID (#) - Water Intake              | 4                     |
| Duplicate Collected - Water Intake?       | No                    |
| Photo of Water Intake Sample(s)           |                       |

## Site Photos



## Site Locations - 5. Willamette River - WR, 3.2

## Weather

|  |                              |
|--|------------------------------|
| Air Temperature (c)                                  | 15.6                         |
| Weather Condition                                    | Overcast                     |
| Wind Speed (mph)                                     | 2.2                          |
| Humidity (%)   | 78                           |
| Precipitation (mm)                                   | 0                            |
| Way Point Prefix                                     | Willamette River - WR        |
| Way Point Number                                     | 3.2                          |
| Time at Way Point                                    | 08:59                        |
| Way Point Description                                | Water Intake, Water: Control |
| Are there visible signs indicating a cable crossing? | No                           |
| Is there buried or visible cable at location?        | No                           |

## Water Intake or Drinking Fountain Information (1 Item)

## Water Intake or Drinking Fountain Information - 1. 45.51853681594116

|  |                    |
|--|--------------------|
| Is the Water Intake Upstream or Downstream | Control, mid river |
| Was there a Water Intake sample collected? | Yes                |

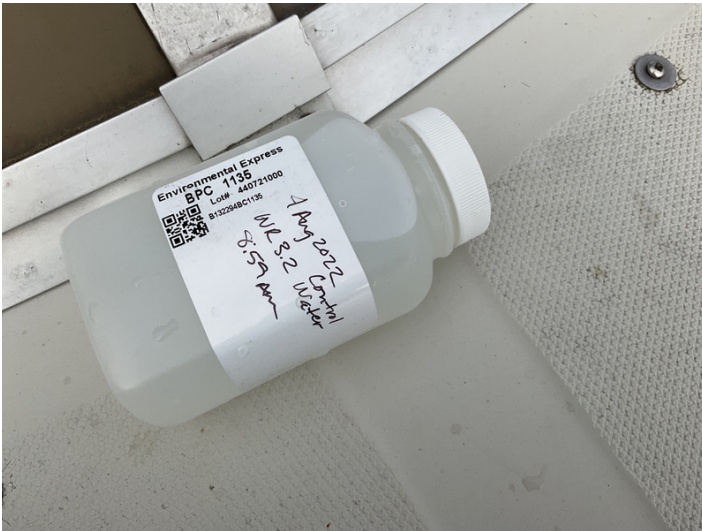
How many Water Intake samples collected? | 1

### Sample Information - Water Intake (1 Item)

### Sample Information - Water Intake - 1. Willamette River - WR, 3.2 Water Control

|   |                       |
|---|-----------------------|
| Location of Collected Water Intake Sample | Surface Sample        |
| Time of Collection - Water Intake         | 08:59                 |
| Sample Prefix - Water Intake              | Willamette River - WR |
| Sample ID (#) - Water Intake              | 3.2 Water Control     |
| Duplicate Collected - Water Intake?       | No                    |

#### Photo of Water Intake Sample(s)



#### Site Photos



## Site Locations - 6. Willamette River - WR, 5

### Weather

Air Temperature (c) | 16.7

Weather Condition | Overcast

Wind Speed (mph) | 3.8

Humidity (%) | 72

Precipitation (mm) | 0

Way Point Prefix | Willamette River - WR

Way Point Number | 5

Time at Way Point | 09:30

Way Point Description | Sign

Are there visible signs indicating a cable crossing? | Yes

Identify what the signs say. | Cable Crossing Pacific Northwest Bell

Is there buried or visible cable at location? | No

### Site Photos



## Site Locations - 7. Willamette River - WR, 5.1

### Weather

Air Temperature (c) | 16.7

Weather Condition | Overcast

Wind Speed (mph) | 3.8

|  |   |
|--|---|
| Humidity (%)   | 72  |
| Precipitation (mm)                                   | 0   |
| Way Point Prefix                                     | Willamette River - WR   |
| Way Point Number                                     | 5.1   |
| Time at Way Point                                    | 09:34   |
| Way Point Description                                | Cable Location  |
| Are there visible signs indicating a cable crossing? | Yes   |
| Identify what the signs say.                         | Cable Crossing. Pacific Northwest Bell. Also an old, Cable Crossing. Western Union. |
| Is there buried or visible cable at location?        | Yes   |
| How many cables are visible?                         | 4   |
| Is lead visible?                                     | Yes   |

### Specific Cable Information (2 Items)

#### Specific Cable Information - 1. 1, 2, 3, 4

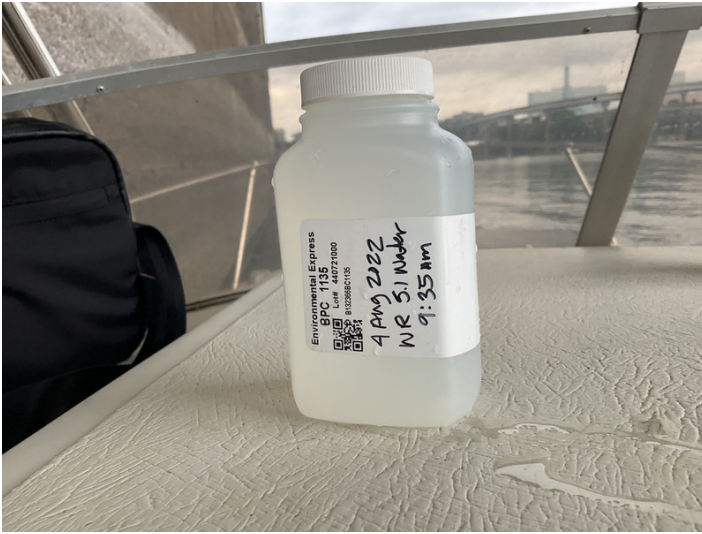
|  |            |
|--|------------|
| Cable #  | 1, 2, 3, 4 |
| Visible Length (ft)                                | 30         |
| Type of Cable (Power, Telecom, Fiber Optic, Other) | Telecom    |
| Is this a leaded cable?                            | Yes        |
| Is the cable(s) Terrestrial, Submarine or Both?    | Submarine  |
| Was there a sample collected?                      | Yes        |
| How many samples collected?                        | 1          |

### Sample Information - Specific Cable (1 Item)

#### Sample Information - Specific Cable - 1. Water: Directly on Cable, 5.1 Water

|  |                          |
|--|--------------------------|
| Type of Sample (Water, Sediment, Cable, Manhole, Splice Box, etc.) | Water: Directly on Cable |
| If more than one cable, what Cable was Sample collected from?      | All                      |
| Time of Collection - Specific Cable                                | 09:35                    |
| Sample Prefix - Specific Cable                                     | Willamette River - WR    |
| Sample ID (#) - Specific Cable                                     | 5.1 Water                |
| Duplicate Collected - Specific Cable?                              | No                       |
| Photo of Specific Cable Sample(s)                                  |                          |





### Specific Cable Information - 2. 4

|  |           |
|--|-----------|
| Cable #  | 4         |
| Visible Length (ft)                                | 30        |
| Type of Cable (Power, Telecom, Fiber Optic, Other) | Power     |
| Is this a leaded cable?                            | Yes       |
| Is the cable(s) Terrestrial, Submarine or Both?    | Submarine |
| Was there a sample collected?                      | No        |

### Sample Information - Specific Cable

#### Site Photos



**Site Locations - 8. Willamette River - WR, 6**

**Weather**

|  |                       |
|--|-----------------------|
| Air Temperature (c)                                  | 17.8                  |
| Weather Condition                                    | Overcast              |
| Wind Speed (mph)                                     | 5.6                   |
| Humidity (%)   | 68                    |
| Precipitation (mm)                                   | 0                     |
| Way Point Prefix                                     | Willamette River - WR |
| Way Point Number                                     | 6                     |
| Time at Way Point                                    | 09:50                 |
| Way Point Description                                | Cable Location        |
| Are there visible signs indicating a cable crossing? | No                    |

|   |     |
|---|-----|
| Is there buried or visible cable at location? | Yes |
| How many cables are visible?                  | 4   |
| Is lead visible?                              | Yes |

### Specific Cable Information (1 Item)

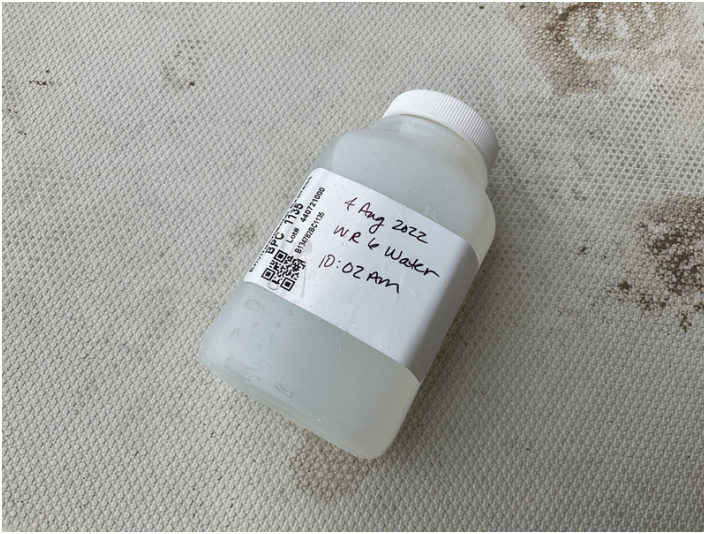
#### Specific Cable Information - 1. 1, 2, 3, 4

|  |            |
|--|------------|
| Cable #  | 1, 2, 3, 4 |
| Visible Length (ft)                                | 60         |
| Type of Cable (Power, Telecom, Fiber Optic, Other) | Telecom    |
| Is this a leaded cable?                            | Yes        |
| Is the cable(s) Terrestrial, Submarine or Both?    | Both       |
| Was there a sample collected?                      | Yes        |
| How many samples collected?                        | 2          |

### Sample Information - Specific Cable (2 Items)

#### Sample Information - Specific Cable - 1. Water: Directly on Cable, 6 Water

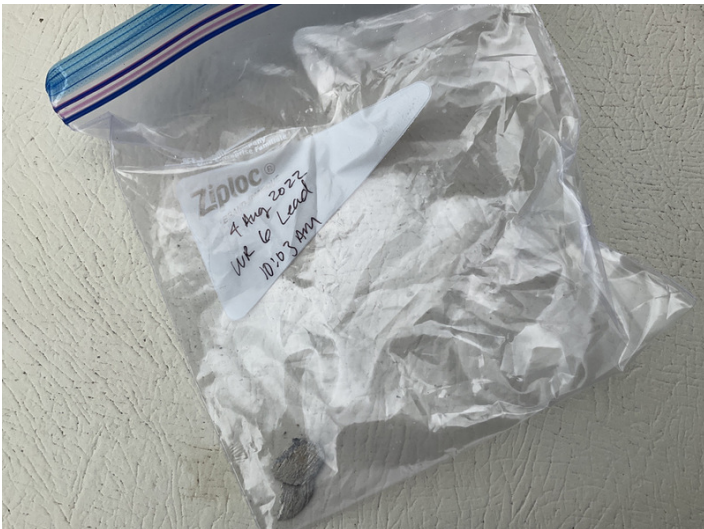
|  |                          |
|--|--------------------------|
| Type of Sample (Water, Sediment, Cable, Manhole, Splice Box, etc.) | Water: Directly on Cable |
| If more than one cable, what Cable was Sample collected from?      | 1,2                      |
| Time of Collection - Specific Cable                                | 10:02                    |
| Sample Prefix - Specific Cable                                     | Willamette River - WR    |
| Sample ID (#) - Specific Cable                                     | 6 Water                  |
| Duplicate Collected - Specific Cable?                              | No                       |
| Photo of Specific Cable Sample(s)                                  |                          |



### Sample Information - Specific Cable - 2. Lead Scraping, 6 Lead

|  |                       |
|--|-----------------------|
| Type of Sample (Water, Sediment, Cable, Manhole, Splice Box, etc.) | Lead Scraping         |
| If more than one cable, what Cable was Sample collected from?      | 2                     |
| Time of Collection - Specific Cable                                | 10:03                 |
| Sample Prefix - Specific Cable                                     | Willamette River - WR |
| Sample ID (#) - Specific Cable                                     | 6 Lead                |
| Duplicate Collected - Specific Cable?                              | No                    |

#### Photo of Specific Cable Sample(s)



#### Site Photos



## Site Locations - 9. Willamette River - WR, 6.1

### Weather

|                     |          |
|---------------------|----------|
| Air Temperature (c) | 16.7     |
| Weather Condition   | Overcast |
| Wind Speed (mph)    | 3.8      |
| Humidity (%)        | 72       |
| Precipitation (mm)  | 0        |

|  |                       |
|--|-----------------------|
| Way Point Prefix                                     | Willamette River - WR |
| Way Point Number                                     | 6.1                   |
| Time at Way Point                                    | 10:05                 |
| Way Point Description                                | Old Telephone Pole    |
| Are there visible signs indicating a cable crossing? | No                    |
| Is there buried or visible cable at location?        | No                    |

### Site Photos





## Site Locations - 10. Willamette River - WR, 7

### Weather

|                     |          |
|---------------------|----------|
| Air Temperature (c) | 17.8     |
| Weather Condition   | Overcast |
| Wind Speed (mph)    | 2.2      |
| Humidity (%)        | 68       |
| Precipitation (mm)  | 0        |

|  |                       |
|--|-----------------------|
| Way Point Prefix                                     | Willamette River - WR |
| Way Point Number                                     | 7                     |
| Time at Way Point                                    | 10:20                 |
| Way Point Description                                | Cable Location        |
| Are there visible signs indicating a cable crossing? | No                    |
| Is there buried or visible cable at location?        | Yes                   |
| How many cables are visible?                         | 6                     |
| Is lead visible?                                     | Yes                   |

### Specific Cable Information (1 Item)

#### Specific Cable Information - 1. 3, 2, 1

|                     |         |
|---------------------|---------|
| Cable #             | 3, 2, 1 |
| Visible Length (ft) | 100-125 |

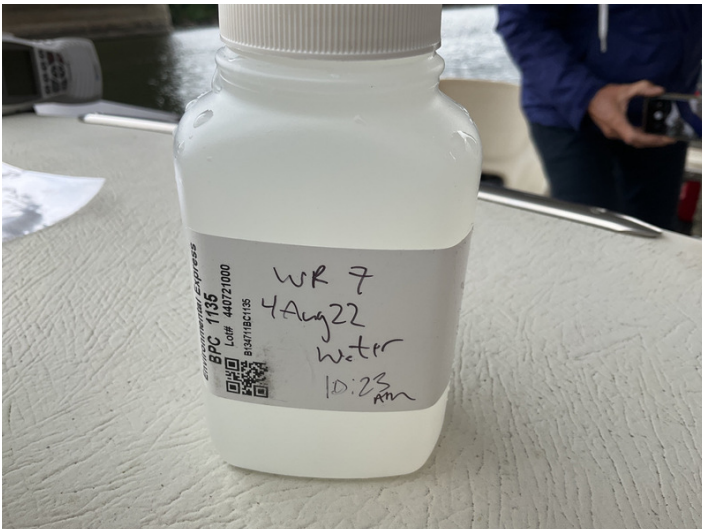
|  |           |
|--|-----------|
| Type of Cable (Power, Telecom, Fiber Optic, Other) | Telecom   |
| Is this a leaded cable?                            | Yes       |
| Is the cable(s) Terrestrial, Submarine or Both?    | Submarine |
| Was there a sample collected?                      | Yes       |
| How many samples collected?                        | 2         |

### Sample Information - Specific Cable (2 Items)

#### Sample Information - Specific Cable - 1. Water: Directly on Cable, 7 Water

|  |                          |
|--|--------------------------|
| Type of Sample (Water, Sediment, Cable, Manhole, Splice Box, etc.) | Water: Directly on Cable |
| If more than one cable, what Cable was Sample collected from?      | All                      |
| Time of Collection - Specific Cable                                | 10:23                    |
| Sample Prefix - Specific Cable                                     | Willamette River - WR    |
| Sample ID (#) - Specific Cable                                     | 7 Water                  |
| Duplicate Collected - Specific Cable?                              | No                       |

#### Photo of Specific Cable Sample(s)



#### Sample Information - Specific Cable - 2. Lead Scraping, 7 Lead

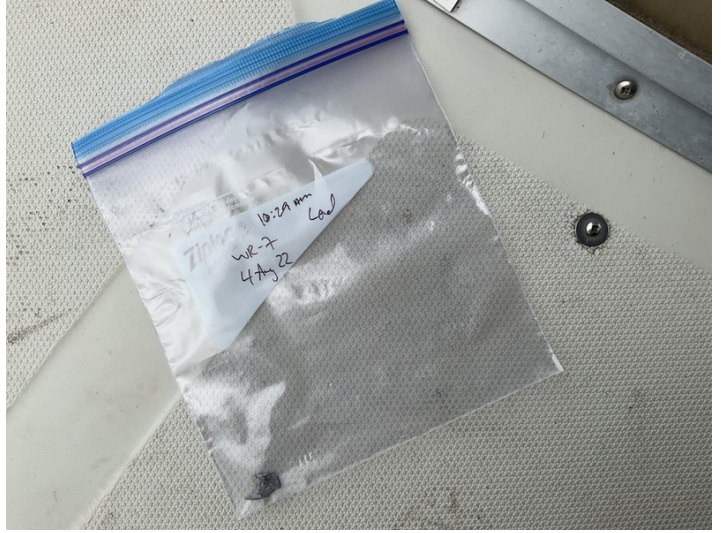
|  |                       |
|--|-----------------------|
| Type of Sample (Water, Sediment, Cable, Manhole, Splice Box, etc.) | Lead Scraping         |
| If more than one cable, what Cable was Sample collected from?      | All                   |
| Time of Collection - Specific Cable                                | 10:29                 |
| Sample Prefix - Specific Cable                                     | Willamette River - WR |



Sample ID (#) - Specific Cable | 7 Lead

Duplicate Collected - Specific Cable? | No

Photo of Specific Cable Sample(s)



Site Photos



## Site Locations - 11. Willamette River - WR, 8

### Weather

|  |   |
|--|---|
| Air Temperature (c)                                  | 18.3  |
| Weather Condition                                    | Overcast  |
| Wind Speed (mph)                                     | 2.2   |
| Humidity (%)   | 63  |
| Precipitation (mm)                                   | 0   |
| Way Point Prefix                                     | Willamette River - WR   |
| Way Point Number                                     | 8   |
| Time at Way Point                                    | 10:43   |
| Way Point Description                                | Cable Location, Active Construction Site. Kiewit 204 Barge with pieces of cable removed. From Abernathy Bridge. After discussion with construction workers. |
| Are there visible signs indicating a cable crossing? | No  |
| Is there buried or visible cable at location?        | Yes   |
| How many cables are visible?                         | 1   |
| Is lead visible?                                     | Yes   |

### Specific Cable Information (1 Item)

#### Specific Cable Information - 1. 1

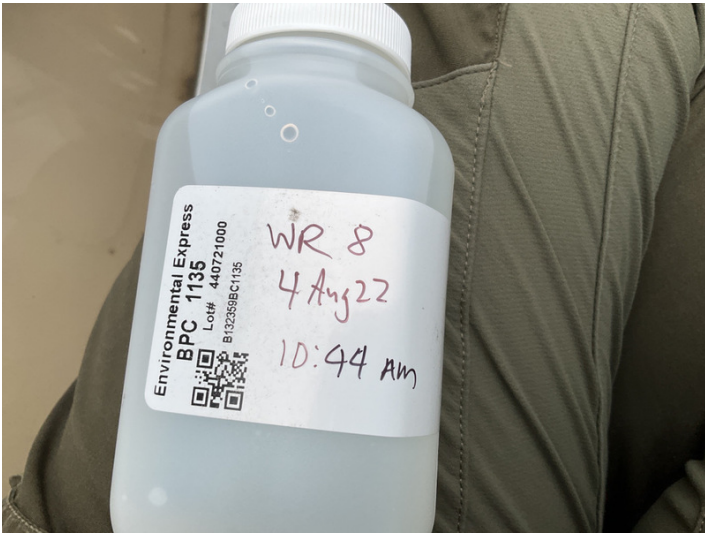
|  |           |
|--|-----------|
| Cable #  | 1         |
| Visible Length (ft)                                | 75        |
| Type of Cable (Power, Telecom, Fiber Optic, Other) | Telecom   |
| Is this a leaded cable?                            | Yes       |
| Is the cable(s) Terrestrial, Submarine or Both?    | Submarine |
| Was there a sample collected?                      | Yes       |
| How many samples collected?                        | 1         |

### Sample Information - Specific Cable (1 Item)

#### Sample Information - Specific Cable - 1. Water: surface 75ft away from barge with cable., 8 Water

|  |   |
|--|---|
| Type of Sample (Water, Sediment, Cable, Manhole, Splice Box, etc.) | Water: surface 75ft away from barge with cable. |
| If more than one cable, what Cable was Sample collected from?      | 1   |
| Time of Collection - Specific Cable                                | 10:44   |
| Sample Prefix - Specific Cable                                     | Willamette River - WR                           |
| Sample ID (#) - Specific Cable                                     | 8 Water   |
| Duplicate Collected - Specific Cable?                              | No  |

Photo of Specific Cable Sample(s)



Site Photos



**Site Locations - 12. Willamette River - WR, 9**

**Weather**

|   |  |
|---|--|
| <b>Air Temperature (c)</b>                                  | 20   |
| <b>Weather Condition</b>                                    | Overcast   |
| <b>Wind Speed (mph)</b>                                     | 2.2  |
| <b>Humidity (%)</b>   | 59   |
| <b>Precipitation (mm)</b>                                   | 0  |
| <b>Way Point Prefix</b>                                     | Willamette River - WR  |
| <b>Way Point Number</b>                                     | 9  |
| <b>Time at Way Point</b>                                    | 11:28  |
| <b>Way Point Description</b>                                | Cable Location, Water Intake, No cable visible. Could not get cable sample to load from the tablet. Not a water intake location. This is a cable location with no visible cable. |
| <b>Are there visible signs indicating a cable crossing?</b> | No   |

|   |    |
|---|----|
| Is there buried or visible cable at location? | No |
|---|----|

### Water Intake or Drinking Fountain Information (1 Item)

#### Water Intake or Drinking Fountain Information - 1. 45.55095696104997

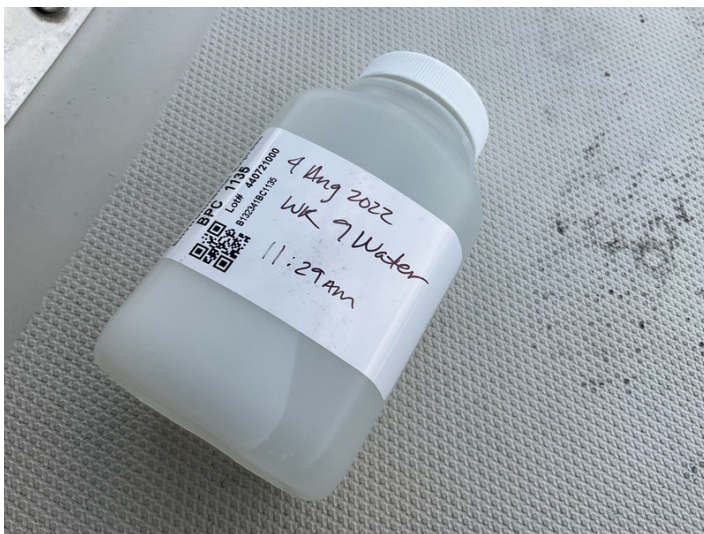
|  |   |
|--|---|
| Is the Water Intake Upstream or Downstream | Not a Water Intake. This is a cable location with no visible cable. Tablet would not load cable sample. |
| Was there a Water Intake sample collected? | Yes   |
| How many Water Intake samples collected?   | 1   |

### Sample Information - Water Intake (1 Item)

#### Sample Information - Water Intake - 1. Willamette River - WR, 9 Water

|   |                       |
|---|-----------------------|
| Location of Collected Water Intake Sample | Surface Sample        |
| Time of Collection - Water Intake         | 11:29                 |
| Sample Prefix - Water Intake              | Willamette River - WR |
| Sample ID (#) - Water Intake              | 9 Water               |
| Duplicate Collected - Water Intake?       | No                    |

#### Photo of Water Intake Sample(s)



#### Site Photos



### Site Locations - 13. Willamette River - WR, 10

#### Weather

|                     |               |
|---------------------|---------------|
| Air Temperature (c) | 20            |
| Weather Condition   | Partly cloudy |
| Wind Speed (mph)    | 2.2           |
| Humidity (%)        | 61            |
| Precipitation (mm)  | 0             |

|  |                              |
|--|------------------------------|
| Way Point Prefix                                     | Willamette River - WR        |
| Way Point Number                                     | 10                           |
| Time at Way Point                                    | 12:02                        |
| Way Point Description                                | Water Intake, Cable Location |
| Are there visible signs indicating a cable crossing? | Yes                          |
| Identify what the signs say.                         | Pipeline Crossing            |
| Is there buried or visible cable at location?        | No                           |

### Water Intake or Drinking Fountain Information (1 Item)

#### Water Intake or Drinking Fountain Information - 1. 45.5857013347585

|  |       |
|--|-------|
| Is the Water Intake Upstream or Downstream | Other |
| Was there a Water Intake sample collected? | Yes   |

How many Water Intake samples collected? | 1

### Sample Information - Water Intake (1 Item)

### Sample Information - Water Intake - 1. Willamette River - WR, 10 Water

Location of Collected Water Intake Sample | Surface Sample

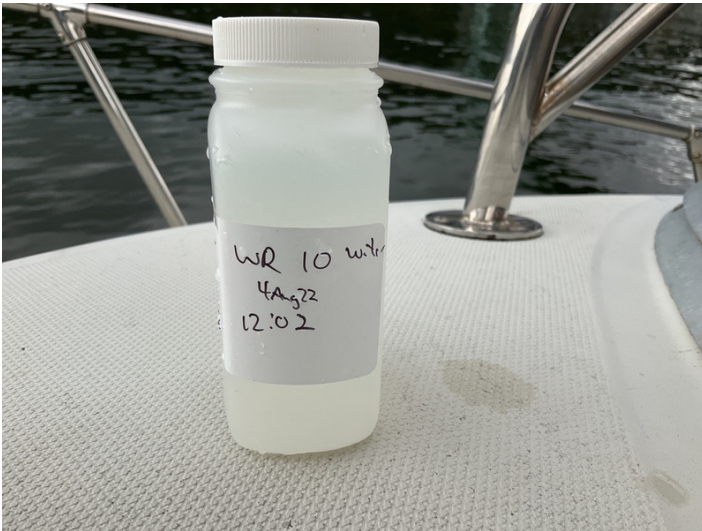
Time of Collection - Water Intake | 12:02

Sample Prefix - Water Intake | Willamette River - WR

Sample ID (#) - Water Intake | 10 Water

Duplicate Collected - Water Intake? | No

#### Photo of Water Intake Sample(s)



#### Site Photos





## Site Locations - 14. Columbia River -CR, 1

### Weather

|  |  |
|--|--|
| Air Temperature (c)                                  | 26.7   |
| Weather Condition                                    | Sunny  |
| Wind Speed (mph)                                     | 20.6   |
| Humidity (%)   | 35   |
| Precipitation (mm)                                   | 0  |
| Way Point Prefix                                     | Columbia River -CR                                   |
| Way Point Number                                     | 1  |
| Time at Way Point                                    | 15:06  |
| Way Point Description                                | Sign   |
| Are there visible signs indicating a cable crossing? | Yes  |
| Identify what the signs say.                         | Cable Crossing. Oregon Washington Telephone Compnay. |
| Is there buried or visible cable at location?        | Yes  |
| How many cables are visible?                         | 0  |
| Is lead visible?                                     | No   |

### Specific Cable Information (1 Item)

#### Specific Cable Information - 1. 0

|  |            |
|--|------------|
| Cable #  | 0          |
| Visible Length (ft)                                | 0          |
| Type of Cable (Power, Telecom, Fiber Optic, Other) | Other      |
| Is this a leaded cable?                            | Unknown    |
| Is the cable(s) Terrestrial, Submarine or Both?    | N/A, Other |
| Was there a sample collected?                      | Yes        |
| How many samples collected?                        | 1          |

### Sample Information - Specific Cable (1 Item)

#### Sample Information - Specific Cable - 1. Water: Surface, 1 Water

|  |                    |
|--|--------------------|
| Type of Sample (Water, Sediment, Cable, Manhole, Splice Box, etc.) | Water: Surface     |
| If more than one cable, what Cable was Sample collected from?      | N/A                |
| Time of Collection - Specific Cable                                | 15:31              |
| Sample Prefix - Specific Cable                                     | Columbia River -CR |
| Sample ID (#) - Specific Cable                                     | 1 Water            |
| Duplicate Collected - Specific Cable?                              | No                 |
| Photo of Specific Cable Sample(s)                                  |                    |

### Site Photos



## Site Locations - 15. Columbia River -CR, 2

### Weather

|  |                                  |
|--|----------------------------------|
| Air Temperature (c)                                  | 27.8                             |
| Weather Condition                                    | Sunny                            |
| Wind Speed (mph)                                     | 21.7                             |
| Humidity (%)   | 33                               |
| Precipitation (mm)                                   | 0                                |
| Way Point Prefix                                     | Columbia River -CR               |
| Way Point Number                                     | 2                                |
| Time at Way Point                                    | 17:47                            |
| Way Point Description                                | Cable Location, Sign, CR 2 Water |
| Are there visible signs indicating a cable crossing? | N/A                              |

|   |  |
|---|--|
| Is there buried or visible cable at location? | Yes  |
| How many cables are visible?                  | Other, remnants of steel layers. Water sample collected at 5:56pm. |
| Is lead visible?                              | No   |

## Specific Cable Information

### Site Photos



## Site Locations - 16. Columbia River -CR, 2.2

### Weather

|  |                            |
|--|----------------------------|
| Air Temperature (c)                                  | 27.8                       |
| Weather Condition                                    | Sunny                      |
| Wind Speed (mph)                                     | 21.7                       |
| Humidity (%)   | 33                         |
| Precipitation (mm)                                   | 0                          |
| Way Point Prefix                                     | Columbia River -CR         |
| Way Point Number                                     | 2.2                        |
| Time at Way Point                                    | 18:13                      |
| Way Point Description                                | Cable Location, Splice Box |
| Are there visible signs indicating a cable crossing? | No                         |
| Is there buried or visible cable at location?        | No                         |

### Site Photos

