

## Site Installation 1.2

|             |              |
|-------------|--------------|
| Project     | SAM CEC      |
| ID          | 540867       |
| Survey Date | 04/28/2025   |
| User        | Dylan Ahearn |

## Site Installation 1

|         |                                           |
|---------|-------------------------------------------|
| Site ID | SEA_IND1                                  |
| Staff   | B. Berkompas<br>E. Thomason<br>K. Shirley |

|                          |      |
|--------------------------|------|
| Autosampler Installation | true |
|--------------------------|------|

## Autosampler Installation

|                                    |            |
|------------------------------------|------------|
| Installation Date                  | 05/16/2025 |
| Installation Time<br>(approximate) | 02:46 PM   |
| Weather Conditions                 | Sunny      |

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Installation Notes | <p>The monitoring location is located within a pipe and flow diversion structure vault. The flow sensor is installed in the 64-inch inlet pipe to the structure. The Isco automated sampler and Campbell datalogger/cellular modem are installed approximately 40 feet to the south of the structure, with equipment wiring and sampler tubing running through buried conduit. The sediment traps are installed inside the diversion structure with the pressure transducer.</p> <p>Site Location: 47.50997, -122.28249</p> |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Flow Sensor Location Photo



Arrow points to location of flow sensor inside the 64" pipe.

|                      |       |
|----------------------|-------|
| Sampler Intake Photo | None  |
| Flow Sensor in Pipe  | false |

General Equipment Photos



Autosampler and datalogger inside enclosure

| Sediment Trap Installation      |                                                                                                                                                                                                     |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Installation Date               | 04/16/2025                                                                                                                                                                                          |
| Installation Time (approximate) | 11:00 AM                                                                                                                                                                                            |
| Weather Conditions              | Sunny                                                                                                                                                                                               |
| Installation Notes              | Sediment traps installed to the right of the pipe. TROLL (pressure transducer) located inside stilling well tubing which is attached to the ladder. TROLL installed at 11:00AM. Pipe diameter = 64" |

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### Sediment Trap Photos



Sediment traps installed to the right of the pipe. TROLL located inside stilling well tubing attached to the ladder.

Pressure Transducer Photos   None

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## Site Installation 1.2

|             |              |
|-------------|--------------|
| Project     | SAM CEC      |
| ID          | 588958       |
| Survey Date | 03/31/2025   |
| User        | Dylan Ahearn |

## Site Installation 1

|         |                               |
|---------|-------------------------------|
| Site ID | SEA_IND2                      |
| Staff   | Nicholas Harris<br>Tim Coffey |

|                          |       |
|--------------------------|-------|
| Autosampler Installation | false |
|--------------------------|-------|

## Sediment Trap Installation

|                                    |                                                                                                                                                   |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Installation Date                  | 03/31/2025                                                                                                                                        |
| Installation Time<br>(approximate) | 12:59 PM                                                                                                                                          |
| Weather Conditions                 | Cloudy                                                                                                                                            |
| Installation Notes                 | 21" pipe diameter. Pipe slope: 3" / 48".<br>Sediment Traps and TROLL are bolted to the inside of the pipe.<br>Site Location: 47.54807, -122.32729 |

## Sediment Trap Photos





Two of three sediment sampler locations



Third sediment sampler location

#### Pressure Transducer Photos



Bird's eye view of all three traps and pressure transducer



Close up of pressure transducer installation in pipe

## Site Installation 1.2

|             |             |
|-------------|-------------|
| Project     | SAM CEC     |
| ID          | 529163      |
| Survey Date | 03/31/2025  |
| User        | Nick Harris |

## Site Installation 1

|         |          |
|---------|----------|
| Site ID | SEA_IND3 |
| Staff   | NH<br>TC |

|                          |       |
|--------------------------|-------|
| Autosampler Installation | false |
|--------------------------|-------|

## Sediment Trap Installation

|                                    |                                                                                                                                                                                                                                                  |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Installation Date                  | 03/31/2025                                                                                                                                                                                                                                       |
| Installation Time<br>(approximate) | 11:02 AM                                                                                                                                                                                                                                         |
| Weather Conditions                 | Light Rain                                                                                                                                                                                                                                       |
| Installation Notes                 | Pipe diameter is 15". Slope: 1.5" / 48". Sediment traps and TROLL are installed inside the stormwater pipe using an 8' flat aluminum bar bolted to the bottom of the pipe. TROLL deployed @ 09:00 PST<br><br>Site location: 47.56581, -122.34092 |

Sediment Trap Photos





Sediment traps prior to installation



Sediment traps inside pipe



close-up of sediment trap inside pipe

Pressure Transducer Photos





Location of Pressure transducer in relation to sediment traps



Bird-eye view of pressure transducer inside pipe

## Site Installation 1.2

|             |             |
|-------------|-------------|
| Project     | SAM CEC     |
| ID          | 536861      |
| Survey Date | 04/18/2025  |
| User        | Sam Nilsson |

### Site Installation 1

|                          |           |
|--------------------------|-----------|
| Site ID                  | CLARK_LDR |
| Staff                    | SN/JGB    |
| Autosampler Installation | false     |

### Sediment Trap Installation

|                                 |            |
|---------------------------------|------------|
| Installation Date               | 04/18/2025 |
| Installation Time (approximate) | 11:00 AM   |
| Weather Conditions              | Sunny      |

**Installation Notes** Small base flow. Looks like flows are generally low at site. Immediate upstream of flume is a steep bank grown over with thicket. Slightly further (20') upstream is a more accessible spot. Some ponding during base flow due to large tree root, sediment traps installed just upstream of this. Top of bottles 0.2 to 0.4' above water

Stream approx 1.5' across, about 0.5' deep at deepest point where sediment traps installed.

Site Location: 45.75432, -122.68301

### Sediment Trap Photos



Width of channel where traps are installed. Shows that stream width is about 1.5ft



close-up view of sediment trap (side view)





Location of sediment traps inside channel



close-up view of sediment trap (bird-eye view)

#### Pressure Transducer Photos



Pressure Transducer set up before installation in stream



Location of pressure transducer inside stream





pointing to rebar that the TROLL logger is mounted to in relation to sediment traps

## Site Installation 1.2

|             |              |
|-------------|--------------|
| Project     | SAM CEC      |
| ID          | 539469       |
| Survey Date | 03/10/2025   |
| User        | Dylan Ahearn |

### Site Installation 1

|         |                              |
|---------|------------------------------|
| Site ID | KING_HDR                     |
| Staff   | Nick Harris<br>Ruth Thirkill |

|                          |      |
|--------------------------|------|
| Autosampler Installation | true |
|--------------------------|------|

### Autosampler Installation

|                                    |            |
|------------------------------------|------------|
| Installation Date                  | 03/05/2025 |
| Installation Time<br>(approximate) | 03:00 PM   |
| Weather Conditions                 | Sunny      |

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Installation Notes | <p>White equipment enclosure installed above ground. It contains the Campbell datalogger, Isco autosampler and a 12V battery which provides power to the system. A solar panel is bolted to the top of the enclosure for additional power supply. Intake tubing and sensor cable come out of the backend of the enclosure and enter the sump through the catch basin grate. Both the intake tubing and flow sensor are installed inside the pipe (diameter = 12") facing east. The sediment traps are installed inside the sump.</p> <p>Site location: 47.565304, -121.894560</p> |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Flow Sensor Location Photo





Close-up photo of flowmeter (facing East)

Sampler Intake Photo



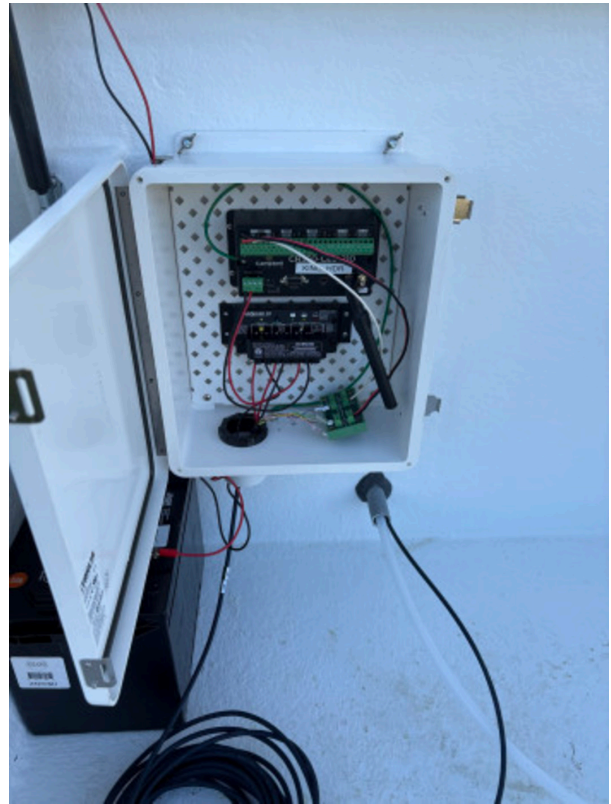
Close-up of sampler intake tubing in relation to flowmeter (facing east)

|                     |      |
|---------------------|------|
| Flow Sensor in Pipe | true |
| Pipe Diameter (in.) | 12   |

## General Equipment Photos



Front view of closed enclosure



Datalogger enclosure



Full view of open enclosure



Cable/tubing from equipment enclosure to CB





Sump photo showing birdeye of flow sensor cable and sample tubing

| Sediment Trap Installation      |                                                                                                                          |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Installation Date               | 03/10/2025                                                                                                               |
| Installation Time (approximate) | 12:07 PM                                                                                                                 |
| Weather Conditions              | Cloudy                                                                                                                   |
| Installation Notes              | Installed sediment traps and TROLL. SS Unistrut is bolted to goldenized superstrut to be able to remove or adjust height |

Sediment Trap Photos



Full view of sediment trap equipment before install



Bird-eye view of sediment traps in the sump of catchbasin (CB)

## Pressure Transducer Photos



Pressure Transducer location on trap mount before installation.



Pressure Transducer location inside CB



## Site Installation 1.2

|             |              |
|-------------|--------------|
| Project     | SAM CEC      |
| ID          | 539490       |
| Survey Date | 03/10/2025   |
| User        | Dylan Ahearn |

## Site Installation 1

|         |                                            |
|---------|--------------------------------------------|
| Site ID | KING_COM                                   |
| Staff   | Nick Harris<br>Ruth Thirkill<br>Tim Coffey |

|                          |      |
|--------------------------|------|
| Autosampler Installation | true |
|--------------------------|------|

## Autosampler Installation

|                                    |            |
|------------------------------------|------------|
| Installation Date                  | 04/10/2025 |
| Installation Time<br>(approximate) | 12:20 PM   |
| Weather Conditions                 | Light Rain |

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Installation Notes | White equipment enclosure installed to the side of the bar. It contains a Campbell datalogger, Isco sampler, and 12V battery. Sample tubing and sensor cable comes out the backend of the enclosure and connects to the catch basin and intake pipe through several feet of conduit. The tubing and flow sensor are installed inside the intake pipe (diameter = 12"). The sediment traps are installed inside the catch basin and the TROLL transducer is hose-clamped to a brick for weight, located underwater at near the bottom of the catch basin. The TROLL is secured to the catch basin ladder with a chain. |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Site location = 47.56737, - 121.88840

Flow Sensor Location Photo



Close-up photo of flowmeter

Sampler Intake Photo



Close-up of Sampler intake tubing in relation to flow sensor.

|                     |      |
|---------------------|------|
| Flow Sensor in Pipe | true |
| Pipe Diameter (in.) | 12   |

General Equipment Photos





Full view of enclosure (from behind)



Full view of open enclosure and equipment inside which includes the ISCO autosampler, battery, and campbell datalogger enclosure



Campbell datalogger inside its enclosure



Intake tubing and flowmeter cable inside CB



Close-up of tubing and cable connection to the intake and flowmeter inside pipe

| Sediment Trap Installation      |                                                                                                                                                                  |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Installation Date               | 04/01/2025                                                                                                                                                       |
| Installation Time (approximate) | 12:01 PM                                                                                                                                                         |
| Weather Conditions              | Heavy Rain                                                                                                                                                       |
| Installation Notes              | Sediment traps installed and TROLL transducer is hose-clamped to a brick for weight, placed in the sump, and secured by chaining it to the ladder for stability. |

Sediment Trap Photos





Bird-eye view of all 3 sediment traps inside the sump



sediment trap position relative to flow meter

#### Pressure Transducer Photos



The pressure transducer is hose-clamped to a brick for weight, placed in the sump, and secured by chaining it to the ladder for stability. This photo shows the chain attachment

## Site Installation 1.2

|             |              |
|-------------|--------------|
| Project     | SAM CEC      |
| ID          | 539790       |
| Survey Date | 04/14/2025   |
| User        | Dylan Ahearn |

## Site Installation 1

|                          |          |
|--------------------------|----------|
| Site ID                  | KING_LDR |
| Staff                    | NH       |
| Autosampler Installation | true     |

## Autosampler Installation

|                                 |            |
|---------------------------------|------------|
| Installation Date               | 03/18/2025 |
| Installation Time (approximate) | 04:12 PM   |
| Weather Conditions              | Sunny      |

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Installation Notes | <p>Sediment traps and flow sensor are bolted to inside of sheet metal, which is expansion clamped to inside of pipe. The flowmeter is installed in downstream portion of pipe, just before outlet, N side of driveway. The sediment traps are installed at the inlet of the pipe. Intake tubing is installed inside the downstream channel at outlet of pipe. Isco autosampler and datalogger are installed within an enclosure just above the channel behind some bushes.</p> <p>Water was flowing through system during install.</p> <p>Site Location: 47.511083, -122.143241</p> |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Flow Sensor Location Photo





Photo of intake tubing going into pipe.

Sampler Intake Photo



Flow sensor in sheet metal, expansion clamp set-up prior to installation in pipe. Flowmeter installed in downstream portion of pipe, just before outlet, N side of driveway

Flow Sensor in Pipe

true



General Equipment Photos



Enclosure showing the ISCO autosampler, Campbell datalogger and power system.

View of tubing going into pipe system

Sediment Trap Installation

|                                 |                                    |
|---------------------------------|------------------------------------|
| Installation Date               | 04/04/2025                         |
| Installation Time (approximate) | 01:14 PM                           |
| Weather Conditions              | Sunny                              |
| Installation Notes              | Bowls installed into shallow traps |

Sediment Trap Photos



View of sediment traps installed within pipe system

Pressure Transducer Photos





TROLL not installed until 4/23/25.  
The pressure transducer was installed inside a stilling which,  
hose clamped to a rebar pole that has been pounded into  
the channel on the downstream side of the pipe.

## Site Installation 1.2

|             |              |
|-------------|--------------|
| Project     | SAM CEC      |
| ID          | 539792       |
| Survey Date | 04/24/2025   |
| User        | Dylan Ahearn |

### Site Installation 1

|                          |          |
|--------------------------|----------|
| Site ID                  | PIER_COM |
| Staff                    | NH       |
| Autosampler Installation | false    |

### Sediment Trap Installation

|                                 |                                                                                                                                                                                                                                                      |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Installation Date               | 04/03/2025                                                                                                                                                                                                                                           |
| Installation Time (approximate) | 09:00 AM                                                                                                                                                                                                                                             |
| Weather Conditions              | Sunny                                                                                                                                                                                                                                                |
| Installation Notes              | <p>Sediment traps installed inside the sump to the right of ladder, downstream of the inlet. Pressure transducer is attached to a brick at the bottom of the sump and chained to ladder for security.</p> <p>Site Location: 47.15460, -122.35388</p> |

### Sediment Trap Photos



Sediment trap locations inside the CB

### Pressure Transducer Photos





Pressure transducer is attached to the ladder by a chain and located below the water's surface



Photo of TROLL prior to installation. The TROLL is hose clamped to brick with a chain attachment.

## Site Installation 1.2

|             |              |
|-------------|--------------|
| Project     | SAM CEC      |
| ID          | 539795       |
| Survey Date | 04/24/2025   |
| User        | Dylan Ahearn |

### Site Installation 1

|                          |          |
|--------------------------|----------|
| Site ID                  | PIER_HDR |
| Staff                    | NH       |
| Autosampler Installation | false    |

### Sediment Trap Installation

|                                 |                                                                                                                                                                                                                                                                                                           |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Installation Date               | 04/03/2025                                                                                                                                                                                                                                                                                                |
| Installation Time (approximate) | 11:00 AM                                                                                                                                                                                                                                                                                                  |
| Weather Conditions              | Sunny                                                                                                                                                                                                                                                                                                     |
| Installation Notes              | Three sediment traps installed inside open stream channel along the width of the stream channel. 2 pressure transducers (one water level and one barometer) installed at this site. Water level sensor at trap level and barometer ~2 ft above sediment traps.<br><br>Site Location: 47.13805, -122.31954 |

### Sediment Trap Photos



Side view of entire monitoring location. Stream channel covered in riprap



Sediment traps (red markers) installed just downstream of weir structure along width of the channel





top view of the three sediment traps.



Pressure transducer hose clamped to one of the sediment traps.



Barometric sensor hose clamped to rebar pipe which is pounded into the ground next to the concrete weir wall.

Pressure Transducer Photos   None

## Site Installation 1.2

|             |              |
|-------------|--------------|
| Project     | SAM CEC      |
| ID          | 539799       |
| Survey Date | 04/24/2025   |
| User        | Dylan Ahearn |

## Site Installation 1

|                          |          |
|--------------------------|----------|
| Site ID                  | PIER_LDR |
| Staff                    | NH       |
| Autosampler Installation | false    |

## Sediment Trap Installation

|                                 |                                                                                                                                                                                                                            |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Installation Date               | 04/03/2025                                                                                                                                                                                                                 |
| Installation Time (approximate) | 01:00 PM                                                                                                                                                                                                                   |
| Weather Conditions              | Sunny                                                                                                                                                                                                                      |
| Installation Notes              | <p>Sediment traps are installed downstream of inlet inside the sump. Pressure transducer is resting inside the sump, clamped to a brick and chained to ladder for security.</p> <p>Site Location: 47.32064, -122.64584</p> |

## Sediment Trap Photos





Bird-eye view of sediment trap location within pipe



Close-up view of sediment traps

#### Pressure Transducer Photos



Photo of pressure transducer setup before installation (hose clamped to a brick, which a chain for attachment).

## Site Installation 1.2

|             |              |
|-------------|--------------|
| Project     | SAM CEC      |
| ID          | 539801       |
| Survey Date | 04/24/2025   |
| User        | Dylan Ahearn |

## Site Installation 1

|                          |         |
|--------------------------|---------|
| Site ID                  | TAC_COM |
| Staff                    | NH      |
| Autosampler Installation | true    |

## Autosampler Installation

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Installation Date                  | 04/24/2025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Installation Time<br>(approximate) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Weather Conditions                 | Sunny                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Installation Notes                 | <p>Entry point for sediment traps on curb of Dock St.<br/> Sampler intake further downstream in MH in parking lot. Equipment enclosure on SE corner of parking lot. Park in lot for access for grab samples.</p> <ul style="list-style-type: none"> <li>- Two Norton style sediment traps (1L Nalgene)</li> <li>- ISCO 6712 (12 - 1L Discrete) w/ Telemetry capabilities</li> <li>- ISCO 2150 AV Flow Sensor</li> </ul> <p>Pipe diameter = 42"</p> <p>Site Location: 47.24333, -122.43365</p> |

Flow Sensor Location Photo





Location of flow sensor inside pipe

Sampler Intake Photo



Sampler intake inside pipe relative to flow sensor

|                     |      |
|---------------------|------|
| Flow Sensor in Pipe | true |
| Pipe Diameter (in.) | 42   |

General Equipment Photos



Monitoring equipment enclosure with autosampler

Sediment Trap Installation

|                                 |            |
|---------------------------------|------------|
| Installation Date               | 10/11/2024 |
| Installation Time (approximate) | 12:36 PM   |
| Weather Conditions              | Cloudy     |
| Installation Notes              |            |

Sediment Trap Photos



A view of all three sediment traps and how they're positioned in relation to each other at the site

close-up view of one sediment trap installed within the pipe

Pressure Transducer Photos



position of pressure transducer at the site (underwater).



## Site Installation 1.2

|             |              |
|-------------|--------------|
| Project     | SAM CEC      |
| ID          | 539508       |
| Survey Date | 04/04/2025   |
| User        | Dylan Ahearn |

### Site Installation 1

|         |          |
|---------|----------|
| Site ID | TAC_HDR  |
| Staff   | NH<br>TC |

|                          |      |
|--------------------------|------|
| Autosampler Installation | true |
|--------------------------|------|

### Autosampler Installation

|                   |            |
|-------------------|------------|
| Installation Date | 04/04/2025 |
|-------------------|------------|

|                                    |  |
|------------------------------------|--|
| Installation Time<br>(approximate) |  |
|------------------------------------|--|

|                    |  |
|--------------------|--|
| Weather Conditions |  |
|--------------------|--|

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Installation Notes | <p>**Key access required for site.</p> <p>Entry point for sediment traps and WQ sampling both in MH next to equipment enclosure</p> <ul style="list-style-type: none"> <li>- Two Norton style sediment traps (1L Nalgene)</li> <li>- ISCO 6712 (12 - 1L Discrete) w/ Telemetry capabilities</li> <li>- ISCO 2150 AV Flow Sensor</li> </ul> <p>Pipe diameter = 72"</p> <p>Site Location: 47.2408, -122.4315</p> |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Flow Sensor Location Photo



Flow sensor installed at edge of pipe

Sampler Intake Photo



Intake tube installed on opposite side from the flow sensor

|                          |      |
|--------------------------|------|
| Flow Sensor in Pipe      | true |
| Pipe Diameter (in.)      | 72   |
| General Equipment Photos |      |

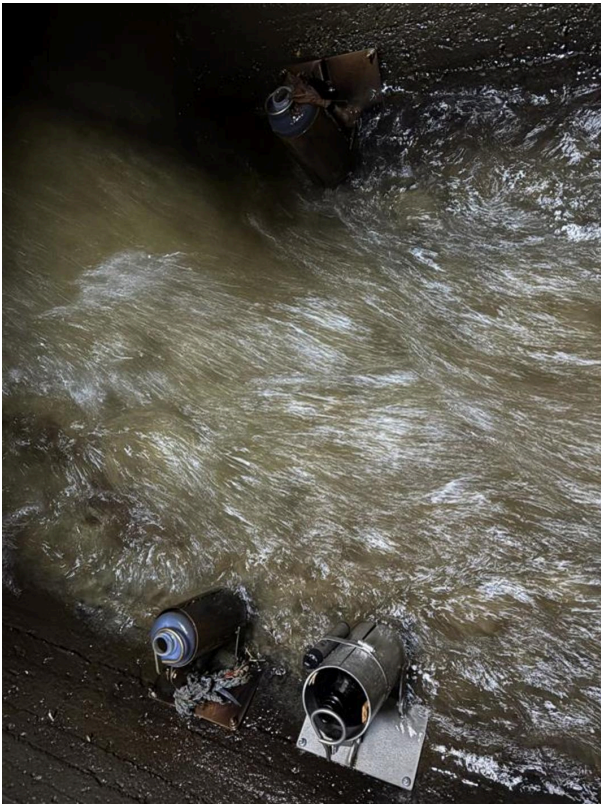




Monitoring equipment enclosure.

| Sediment Trap Installation      |                                                                                                                                                                          |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Installation Date               | 04/04/2025                                                                                                                                                               |
| Installation Time (approximate) | 09:05 AM                                                                                                                                                                 |
| Weather Conditions              | Sunny                                                                                                                                                                    |
| Installation Notes              | Installed Sediment traps and pressure transducers. One of the latching mechanisms is not able to latch to secure bottle. Removed and used SS hose clamp. Need S&S to fix |

Sediment Trap Photos



location of sediment traps inside pipe



Close-up of latch issue



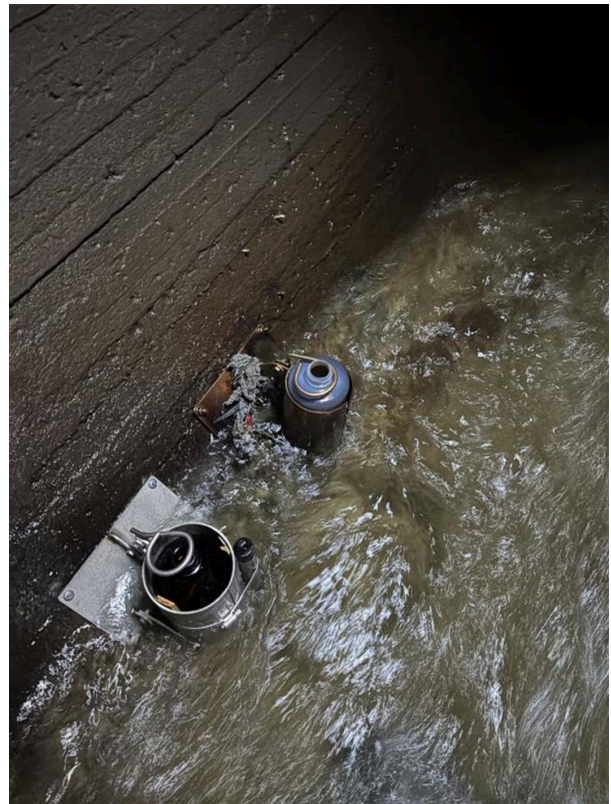


Fix for latch issue

#### Pressure Transducer Photos



Location of pressure transducer on sediment trap before installation



location of transducer inside the system. Hose clamped to the bottom sediment trap.



## Site Installation 1.2

|             |              |
|-------------|--------------|
| Project     | SAM CEC      |
| ID          | 584120       |
| Survey Date | 04/14/2025   |
| User        | Dylan Ahearn |

## Site Installation 1

|                          |         |
|--------------------------|---------|
| Site ID                  | TAC_IND |
| Staff                    | NH      |
| Autosampler Installation | true    |

## Autosampler Installation

|                                    |            |
|------------------------------------|------------|
| Installation Date                  | 06/10/2025 |
| Installation Time<br>(approximate) |            |
| Weather Conditions                 |            |

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Installation Notes | <p>TAC_IND is tidally influenced so sediment traps were not installed. The plan is to do a grab sample annually in lieu of this.</p> <p>TROLL sensor was also not installed in the sump since it fills so much with sediment. There is an AV sensor installed into the pipe that we will use for flow and temperature measurements.</p> <p>6/10/2025 - Installed new ISCO pump head tubing and new sample tubing (from ISCO to in-pipe sample location).</p> |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Flow Sensor Location Photo



AV sensor located in pipe to the left of the sump.

Sampler Intake Photo



Intake tubing for autosampler goes directly into the sump.

|                          |      |
|--------------------------|------|
| Flow Sensor in Pipe      | true |
| Pipe Diameter (in.)      |      |
| General Equipment Photos |      |





Enclosure for autosampler is located right next to the manhole access to AV sensor and intake tubing

| Sediment Trap Installation      |                                                                                                                               |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Installation Date               | 06/10/2025                                                                                                                    |
| Installation Time (approximate) |                                                                                                                               |
| Weather Conditions              |                                                                                                                               |
| Installation Notes              | TAC_IND is tidally influenced so sediment traps were not installed. The plan is to do a grab sample annually in lieu of this. |
| Sediment Trap Photos            | None                                                                                                                          |
| Pressure Transducer Photos      | None                                                                                                                          |

## Site Installation 1.2

|             |              |
|-------------|--------------|
| Project     | SAM CEC      |
| ID          | 540893       |
| Survey Date | 04/28/2025   |
| User        | Dylan Ahearn |

### Site Installation 1

|         |                             |
|---------|-----------------------------|
| Site ID | SNO_HDR                     |
| Staff   | B. Berkompas<br>E. Thomason |

|                          |       |
|--------------------------|-------|
| Autosampler Installation | false |
|--------------------------|-------|

### Sediment Trap Installation

|                                 |            |
|---------------------------------|------------|
| Installation Date               | 04/02/2025 |
| Installation Time (approximate) | 12:00 PM   |
| Weather Conditions              | Sunny      |

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Installation Notes | <p>The monitoring location is an outfall into a stormwater pond that receives flow from surrounding neighborhoods. It is located within the North Creek HUC 12 Watershed. The storm drain enters the pond through a 24-inch diameter corrugated plastic pipe and through a rubber "duckbill" backflow preventer. Sediment traps are installed in the spill zone of the outfall. The level TROLL is installed upstream inside the conduit which is connected to the outfall pipe. Pipe diameter = 24"</p> <p>Site Location: 47.84607, -122.19396</p> <p>Installation Notes: Level TROLL installed at 12:00PM. Tapedown reference for Level TROLL is 3.17 from top of conduit. Depth in pipe (ft)=3.17 – tapedown. Pipe was dry at time of tapedown establishment on 4/18/25. Baro TROLL for SNO sites installed at HDR location.</p> |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Sediment Trap Photos





close-up view of sediment trap installation



Bird-eye view of sediment trap installation

#### Pressure Transducer Photos



Location of barro TROLL and level TROLL inside conduit pipe.

## Site Installation 1.2

|             |              |
|-------------|--------------|
| Project     | SAM CEC      |
| ID          | 540896       |
| Survey Date | 04/28/2025   |
| User        | Dylan Ahearn |

### Site Installation 1

|         |                             |
|---------|-----------------------------|
| Site ID | SNO_LDR                     |
| Staff   | B. Berkompas<br>E. Thomason |

|                          |      |
|--------------------------|------|
| Autosampler Installation | true |
|--------------------------|------|

### Autosampler Installation

|                                    |            |
|------------------------------------|------------|
| Installation Date                  | 06/13/2025 |
| Installation Time<br>(approximate) | 10:00 AM   |
| Weather Conditions                 | Sunny      |

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Installation Notes | <p>The automated Isco sampler and Campbell datalogger are installed approximately 10 feet south of the outfall. The intake tubing and flow sensor are installed inside the outfall pipe (Pipe Diameter = 18"). Sediment traps are installed in the ditch just below the outfall.</p> <p>Barro TROLL is located inside a stilling well which is anchored to the ditch sediment next to the sediment traps.</p> <p>Site Location: 47.86894, -122.09929</p> |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Flow Sensor Location Photo





Intake tubing and flow sensor installed inside pipe

|                      |       |
|----------------------|-------|
| Sampler Intake Photo | None  |
| Flow Sensor in Pipe  | false |

### General Equipment Photos



Top view of autosampler and datalogger inside knaack box structure.

| Sediment Trap Installation      |            |
|---------------------------------|------------|
| Installation Date               | 04/18/2025 |
| Installation Time (approximate) | 10:00 AM   |
| Weather Conditions              | Sunny      |



## Installation Notes

TROLL installed at 10:00AM. Tapedown reference for Level TROLL is 0.54 from top of stilling well. Depth of water=0.54-tapedown. Tapedown measurement at time of install was 0.27 at 4/18/25 10:49 to water depth=0.27.

## Sediment Trap Photos

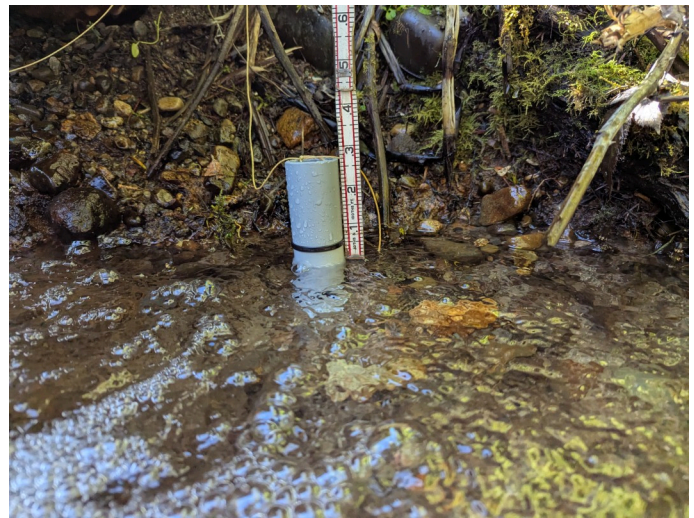


Sediment traps located at outflow

## Pressure Transducer Photos



TROLL location in relation to sediment traps



Close-up view of TROLL.



## Site Installation 1.2

|             |              |
|-------------|--------------|
| Project     | SAM CEC      |
| ID          | 540899       |
| Survey Date | 04/28/2025   |
| User        | Dylan Ahearn |

## Site Installation 1

|         |                             |
|---------|-----------------------------|
| Site ID | SNO_COM                     |
| Staff   | B. Berkompas<br>E. Thomason |

|                          |       |
|--------------------------|-------|
| Autosampler Installation | false |
|--------------------------|-------|

## Sediment Trap Installation

|                                    |                                                                                                                                                                                                |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Installation Date                  | 04/10/2025                                                                                                                                                                                     |
| Installation Time<br>(approximate) | 11:00 AM                                                                                                                                                                                       |
| Weather Conditions                 | Sunny                                                                                                                                                                                          |
| Installation Notes                 | Sediment traps installed at the bottom of the catch basin. Level TROLL is located inside a stilling well which is also deployed inside the catch basin.<br>Site Location: 47.88110, -122.23902 |

## Sediment Trap Photos



Bird-eye view of sediment traps in CB. TROLL is located inside the small conduit connected to trap installation.

Pressure Transducer Photos   None

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| Category      | Site       | Equipment Type                                                                                       | Manufacturer        | Cost - no tax or shipping | Need to Order? | Donated? | Date Ordered | Date Received | Date Given to Aspect |
|---------------|------------|------------------------------------------------------------------------------------------------------|---------------------|---------------------------|----------------|----------|--------------|---------------|----------------------|
| Autosampling  | KC.COM     | Jumbo Base for 6712                                                                                  | Teledyne/Isco       | \$ 1,197.00               | No             |          | 1/7/2025     | 1/15/2025     |                      |
|               | KC.COM     | Isco 6712 sampler                                                                                    | Teledyne/Isco       | \$ 5,000.00               | No             | Yes, CoT | N/A          | 1/2/2025      |                      |
|               | KC.COM     | 12 VDC power cable                                                                                   | Teledyne/Isco       | \$ 163.00                 | No             |          | 1/7/2025     | 1/15/2025     |                      |
|               | KC.COM     | 20 liter bottle Glass                                                                                | Northern Brewer     | \$ 85.00                  | No             |          | 12/26/2025   | 1/8/2025      |                      |
|               | KC.COM     | 20 liter bottle Glass                                                                                | Northern Brewer     | \$ 85.00                  | No             |          | 1/8/2025     | 1/17/2025     |                      |
|               | KC.COM     | 5 piece silicon pump tubing                                                                          | Teledyne/Isco       | \$ 200.00                 | No             |          | 1/7/2025     | 1/15/2025     |                      |
|               | KC.HDR     | Jumbo Base for 6712                                                                                  | Teledyne/Isco       | \$ 1,197.00               | No             |          | 1/7/2025     | 1/15/2025     |                      |
|               | KC.HDR     | Isco 6712 sampler                                                                                    | Teledyne/Isco       | \$ 5,000.00               | No             | Yes, CoT | N/A          | 1/2/2025      |                      |
|               | KC.HDR     | 12 VDC power cable                                                                                   | Teledyne/Isco       | \$ 163.00                 | No             |          | 1/7/2025     | 1/15/2025     |                      |
|               | KC.HDR     | 20 liter bottle Glass                                                                                | Northern Brewer     | \$ 85.00                  | No             |          | 1/8/2025     | 1/17/2025     |                      |
|               | KC.HDR     | 20 liter bottle Glass                                                                                | Northern Brewer     | \$ 85.00                  | No             |          | 1/8/2025     | 1/17/2025     |                      |
|               | KC.HDR     | 5 piece silicon pump tubing                                                                          | Teledyne/Isco       | \$ 200.00                 | No             |          | 1/7/2025     | 1/15/2025     |                      |
|               | KC.LDR     | Jumbo Base for 6712                                                                                  | Teledyne/Isco       | \$ 1,197.00               | No             |          | 1/7/2025     | 1/15/2025     |                      |
|               | KC.LDR     | Isco 6712 sampler                                                                                    | Teledyne/Isco       | \$ 5,000.00               | No             | Yes, CoT | N/A          | 1/2/2025      |                      |
|               | KC.LDR     | 12 VDC power cable                                                                                   | Teledyne/Isco       | \$ 163.00                 | No             |          | 1/7/2025     | 1/15/2025     |                      |
|               | KC.LDR     | 20 liter bottle Glass                                                                                | Northern Brewer     | \$ 85.00                  | No             |          | 1/8/2025     | 1/17/2025     |                      |
|               | KC.LDR     | 20 liter bottle Glass                                                                                | Northern Brewer     | \$ 85.00                  | No             |          | 1/8/2025     | 1/17/2025     |                      |
|               | KC.LDR     | 5 piece silicon pump tubing                                                                          | Teledyne/Isco       | \$ 200.00                 | No             |          | 1/7/2025     | 1/15/2025     |                      |
|               | SEA_IND1   | Jumbo Base for 6712                                                                                  | Teledyne/Isco       | \$ 1,197.00               | No             |          | 1/7/2025     | 1/15/2025     | 2/12/2025            |
|               | SEA_IND1   | Isco 6712 sampler                                                                                    | Teledyne/Isco       | \$ 5,000.00               | No             | Yes, CoT | N/A          | 1/2/2025      |                      |
|               | SEA_IND1   | 12 VDC power cable                                                                                   | Teledyne/Isco       | \$ 163.00                 | No             |          | 1/7/2025     | 1/15/2025     | 2/12/2025            |
|               | SEA_IND1   | 20 liter bottle Glass                                                                                | Northern Brewer     | \$ 85.00                  | No             |          | 1/8/2025     | 1/17/2025     |                      |
|               | SEA_IND1   | 20 liter bottle Glass                                                                                | Northern Brewer     | \$ 85.00                  | No             |          | 1/8/2025     | 1/17/2025     |                      |
|               | SEA_IND1   | 5 piece silicon pump tubing                                                                          | Teledyne/Isco       | \$ 200.00                 | No             |          | 1/7/2025     | 1/15/2025     | 2/12/2025            |
|               | SEA_IND1   | Sampler to Flow Meter Cable (only need 10 feet but 50 is default)                                    | Teledyne/Isco       | \$ 299.00                 | No             |          | 1/7/2025     | 1/15/2025     | 2/12/2025            |
|               | SNO_LDR    | Jumbo Base for 6712                                                                                  | Teledyne/Isco       | \$ 1,197.00               | No             |          | 1/7/2025     | 1/15/2025     | 2/12/2025            |
|               | SNO_LDR    | Isco 6712 sampler                                                                                    | Teledyne/Isco       | \$ 5,000.00               | No             | Yes, CoT | N/A          | 1/2/2025      |                      |
|               | SNO_LDR    | 12 VDC power cable                                                                                   | Teledyne/Isco       | \$ 163.00                 | No             |          | 1/7/2025     | 1/15/2025     | 2/12/2025            |
|               | SNO_LDR    | 20 liter bottle Glass                                                                                | Northern Brewer     | \$ 85.00                  | No             |          | 1/8/2025     | 1/17/2025     |                      |
|               | SNO_LDR    | 20 liter bottle Glass                                                                                | Northern Brewer     | \$ 85.00                  | No             |          | 1/8/2025     | 1/17/2025     |                      |
|               | SNO_LDR    | 5 piece silicon pump tubing                                                                          | Teledyne/Isco       | \$ 200.00                 | No             |          | 1/7/2025     | 1/15/2025     | 2/12/2025            |
|               | SNO_LDR    | Sampler to Flow Meter Cable (only need 10 feet but 50 is default)                                    | Teledyne/Isco       | \$ 299.00                 | No             |          | 1/7/2025     | 1/15/2025     | 2/12/2025            |
|               | ALL        | Isco 6712 sampler                                                                                    | Teledyne/Isco       | \$ 5,000.00               | No             | Yes, CoT | N/A          | 1/2/2025      |                      |
| Dataloggers   | KC.COM     | Cellular 4G dipole whip antenna                                                                      | Campbell Scientific | \$ 26.00                  | No             |          | 12/27/2024   | 1/16/2025     |                      |
|               | KC.COM     | CR350 Datalogger with 3-year 250MB Verizon Plan                                                      | Campbell Scientific | \$ 2,351.00               | No             |          | 12/27/2024   | 1/16/2025     |                      |
|               | KC.COM     | Datalogger Enclosure 10" x 12"                                                                       | Campbell Scientific | \$ 349.00                 | No             |          | 12/27/2024   | 1/16/2025     |                      |
|               | KC.HDR     | Cellular 4G dipole whip antenna                                                                      | Campbell Scientific | \$ 26.00                  | No             |          | 12/27/2024   | 1/16/2025     |                      |
|               | KC.HDR     | CR350 Datalogger with 3-year 250MB Verizon Plan                                                      | Campbell Scientific | \$ 2,351.00               | No             |          | 12/27/2024   | 1/16/2025     |                      |
|               | KC.HDR     | Datalogger Enclosure 10" x 12"                                                                       | Campbell Scientific | \$ 349.00                 | No             |          | 12/27/2024   | 1/16/2025     |                      |
|               | KC.LDR     | Cellular 4G dipole whip antenna                                                                      | Campbell Scientific | \$ 26.00                  | No             |          | 12/27/2024   | 1/16/2025     |                      |
|               | KC.LDR     | CR350 Datalogger with 3-year 250MB Verizon Plan                                                      | Campbell Scientific | \$ 2,351.00               | No             |          | 12/27/2024   | 1/16/2025     |                      |
|               | KC.LDR     | Datalogger Enclosure 10" x 12"                                                                       | Campbell Scientific | \$ 349.00                 | No             |          | 12/27/2024   | 1/16/2025     |                      |
|               | SNO_LDR    | Cellular 4G Omin                                                                                     | Campbell Scientific | \$ 102.00                 | No             |          | 12/27/2024   | 1/16/2025     | 2/12/2025            |
|               | SNO_LDR    | CR350 Datalogger with 3-year 250MB Verizon Plan                                                      | Campbell Scientific | \$ 2,351.00               | No             |          | 12/27/2024   | 1/16/2025     | 2/12/2025            |
|               | SNO_LDR    | Datalogger Enclosure 10" x 12"                                                                       | Campbell Scientific | \$ 349.00                 | No             |          | 12/27/2024   | 1/16/2025     | 2/12/2025            |
|               | SNO_LDR    | Antenna Cable                                                                                        | Campbell Scientific | \$ 87.16                  | No             |          | 12/27/2024   | 1/16/2025     | 2/12/2025            |
|               | SEA_IND1   | Cellular 4G Omin                                                                                     | Campbell Scientific | \$ 102.00                 | No             |          | 12/27/2024   | 1/16/2025     | 2/12/2025            |
|               | SEA_IND1   | CR350 Datalogger with 3-year 250MB Verizon Plan                                                      | Campbell Scientific | \$ 2,351.00               | No             |          | 12/27/2024   | 1/16/2025     | 2/12/2025            |
|               | SEA_IND1   | Datalogger Enclosure 10" x 12"                                                                       | Campbell Scientific | \$ 349.00                 | No             |          | 12/27/2024   | 1/16/2025     | 2/12/2025            |
|               | SEA_IND1   | Antenna Cable                                                                                        | Campbell Scientific | \$ 87.16                  | No             |          | 12/27/2024   | 1/16/2025     | 2/12/2025            |
| Hydrologic    | KC.LDR     | Pressure Transducer CS451 (50") (Flume Stilling Well)                                                | Campbell Scientific | \$ 966.00                 | No             |          | 12/27/2024   | 1/16/2025     |                      |
|               | KC.HDR     | Starflow QSD Open Channel Flow Sensor (15-meter cable)                                               | Unidata             | \$ 2,485.00               | No             |          | 1/1/2024     | 2/1/2024      |                      |
|               | KC.HDR     | Starflow QSD Barometric Dongle                                                                       | Unidata             | \$ 195.00                 | No             |          | 1/10/2025    | 1/20/2025     |                      |
|               | KC.HDR     | Stainless Steel 4" to 6" Expanding Clamp                                                             | Unidata             | \$ 140.00                 | No             |          | 1/10/2025    | 1/20/2025     |                      |
|               | KC.COM     | Starflow QSD Open Channel Flow Sensor (30-meter cable)                                               | Unidata             | \$ 2,485.00               | No             |          | 1/10/2025    | 1/20/2025     |                      |
|               | KC.COM     | Starflow QSD Barometric Dongle                                                                       | Unidata             | \$ 195.00                 | No             |          | 1/10/2025    | 1/20/2025     |                      |
|               | KC.COM     | Stainless Steel 4" to 6" Expanding Clamp                                                             | Unidata             | \$ 140.00                 | No             |          | 1/10/2025    | 1/20/2025     |                      |
|               | KC.LDR     | Starflow QSD Open Channel Flow Sensor (15-meter cable)                                               | Unidata             | \$ 2,485.00               | No             |          | 1/10/2025    | 1/20/2025     |                      |
|               | KC.LDR     | Starflow QSD Barometric Dongle                                                                       | Unidata             | \$ 195.00                 | No             |          | 1/10/2025    | 1/20/2025     |                      |
|               | KC.LDR     | Stainless Steel 4" to 6" Expanding Clamp                                                             | Unidata             | \$ 140.00                 | No             |          | 1/10/2025    | 1/20/2025     |                      |
|               | SNO_LDR    | Isco 2150 module with AV sensor (default is 10m cable)                                               | Teledyne/Isco       | \$ 6,533.00               | No             |          | 1/7/2025     | 1/15/2025     | 2/12/2025            |
|               | SNO_LDR    | Isco 2150 MODBUS download cable with pigtail                                                         | Teledyne/Isco       | \$ 390.00                 | No             |          | 1/7/2025     | 1/15/2025     | 2/12/2025            |
|               | SNO_LDR    | Isco 2150 sensor                                                                                     | Teledyne/Isco       | \$ 2,200.00               | No             |          | 1/7/2025     | 1/15/2025     | 2/12/2025            |
|               | SNO_LDR    | Isco 18 in scissor band                                                                              | Teledyne/Isco       | \$ 1,001.00               | No             |          | 1/7/2025     | 1/15/2025     | 2/12/2025            |
|               | SNO_LDR    | Isco 2100 series external power cable                                                                | Teledyne/Isco       | \$ 497.00                 | No             |          | 1/7/2025     | 1/15/2025     | 2/12/2025            |
|               | SEA_IND1   | Isco 2150 module with AV sensor (default is 10m cable)                                               | Teledyne/Isco       | \$ 6,533.00               | No             |          | 1/7/2025     | 1/15/2025     | 2/12/2025            |
|               | SEA_IND1   | Isco 2150 MODBUS download cable with pigtail                                                         | Teledyne/Isco       | \$ 390.00                 | No             |          | 1/7/2025     | 1/15/2025     | 2/12/2025            |
|               | SEA_IND1   | Isco 2150 sensor carrier                                                                             | Teledyne/Isco       | \$ 2,200.00               | No             |          | 1/7/2025     | 1/15/2025     | 2/12/2025            |
|               | SEA_IND1   | Isco 18-80 in scissor band                                                                           | Teledyne/Isco       | \$ 2,332.00               | No             |          | 4/16/2025    |               |                      |
|               | SEA_IND1   | Isco 2100 series external power cable                                                                | Teledyne/Isco       | \$ 497.00                 | No             |          | 1/7/2025     | 1/15/2025     | 2/12/2025            |
| Miscellaneous | KC.HDR     | Sunsaver Charge Controller                                                                           | SunSaver            | \$ 132.00                 | No             |          | 2/13/2025    | 2/18/2025     |                      |
|               | KC.HDR     | Deep Cycle Marine Battery                                                                            | Duralast            | \$ 200.00                 | No             |          | 3/5/2025     | 3/5/2025      |                      |
|               | KC.HDR     | Solar Panel                                                                                          | Renogy              | \$ 150.00                 | No             |          | 2/13/2025    | 2/18/2025     |                      |
|               | KC.LDR     | Sunsaver Charge Controller                                                                           | SunSaver            | \$ 132.00                 | No             |          | 2/13/2025    | 2/18/2025     |                      |
|               | KC.LDR     | Deep Cycle Marine Battery                                                                            | Duralast            | \$ 200.00                 | No             |          | 3/12/2025    | 3/12/2025     |                      |
|               | KC.LDR     | Solar Panel                                                                                          | Renogy              | \$ 150.00                 | No             |          | 2/13/2025    | 2/18/2025     |                      |
|               | KC.HDR     | Fiberglass Enclosure                                                                                 | Southland Water     | \$ 3,170.00               | No             |          | 1/2/2024     | 2/17/2025     |                      |
|               | KC.COM     | Fiberglass Enclosure                                                                                 | Southland Water     | \$ 3,170.00               | No             |          | 1/2/2024     | 2/17/2025     |                      |
|               | SNO_LDR    | Deep Cycle Marine Battery (would want 4 so that we can rotate a pair in at a time, solar would be 4) | Duralast            | \$ 480.00                 | No             |          | 3/12/2025    | 3/12/2025     |                      |
|               | SNO_LDR    | Knaack Box                                                                                           | Knaack              | \$ 1,093.55               | No             |          | 3/10/2025    | 3/12/2025     | 3/12/2025            |
|               | SNO_LDR    | Master Lock No5                                                                                      | Master Lock         | \$ 12.00                  | No             |          | 3/12/2025    | 3/12/2025     |                      |
|               | SEA_IND1   | Sunsaver Charge Controller                                                                           | SunSaver            | \$ 145.00                 | No             |          | 2/13/2025    | 2/18/2025     |                      |
|               | SEA_IND1   | Deep Cycle Marine Battery                                                                            | Duralast            | \$ 120.00                 | No             |          | 3/12/2025    | 3/12/2025     |                      |
|               | SEA_IND1   | Solar Panel                                                                                          | Renogy              | \$ 100.00                 | No             |          | 2/13/2025    | 2/18/2025     |                      |
|               | SEA_IND1   | Enclosure is already on site                                                                         | N/A                 | \$ -                      | No             |          | N/A          | N/A           |                      |
| Sed. Traps    | KC.COM     | 3 Traps mounted to wall with SS U bracket (sump as backup) - KC did sump grab                        | Fmhotu              | \$ 10.00                  | No             |          | 1/6/2025     | 1/10/2025     |                      |
|               | KC.COM     | 3x Boston Round                                                                                      | Qorpak              | \$ 56.50                  | No             |          | 3/17/2025    | 3/22/2025     |                      |
|               | KC.HDR     | Unistrut bolted to top, 3 SS U bracket, sump grab as backup - KC did sump grab                       | Fmhotu              | \$ 10.00                  | No             |          | 1/6/2025     | 1/10/2025     |                      |
|               | KC.HDR     | 3x Boston Round                                                                                      | Qorpak              | \$ 56.50                  | No             |          | 3/17/2025    | 3/22/2025     |                      |
|               | KC.LDR     | 3 modified shallow Norton Traps mounted inside 12" pipe                                              | S&S Metal Fab       | \$ 1,146.00               | No             |          | 1/15/2025    | 3/7/2025      |                      |
|               | KC.LDR     | Anyday Bowl 3x                                                                                       | Anyday              | \$ 120.00                 | No             |          | 1/15/2025    | 1/17/2025     |                      |
|               | KC.LDR     | Stainless Steel 4" to 6" Expanding Clamp                                                             | Unidata             | \$ 140.00                 | No             |          | 1/15/2025    | 1/17/2025     |                      |
|               | KC.LDR     | Stainless Steel 4" to 6" Expanding Clamp                                                             | Unidata             | \$ 140.00                 | No             |          | 1/15/2025    | 1/17/2025     |                      |
|               | KC.LDR     | Stainless Steel 4" to 6" Expanding Clamp                                                             | Unidata             | \$ 140.00                 | No             |          | 1/15/2025    | 1/17/2025     |                      |
|               | PIERCE.COM | 3 Traps mounted to wall with SS U bracket (sump as backup)                                           | Fmhotu              | \$ 10.00                  | No             |          | 3/9/2025     | 3/10/2025     |                      |
|               | PIERCE.COM | 3x Boston Round                                                                                      | Qorpak              | \$ 56.50                  | No             |          | 3/17/2025    | 3/22/2025     |                      |
|               | PIERCE.HDR | 3 bottles in the channel (rebar hoseclamp) - Simplified Nortons                                      | S&S Metal Fab       | \$ 1,146.00               | No             |          | 1/15/2025    | 3/7/2025      |                      |
|               | PIERCE.HDR | 3 8.5" tall 1-L amber glass bottles - coated                                                         | Qorpak              | \$ 76.50                  | No             |          | 12/22/2024   | 1/3/2025      |                      |
|               | PIERCE.LDR | 3 Traps mounted to wall with SS U bracket (sump as backup)                                           | Fmhotu              | \$ 10.00                  | No             |          | 3/9/2025     | 3/10/2025     |                      |
|               | PIERCE.LDR | 3x Boston Round                                                                                      | Amazon              | \$ 56.50                  | No             |          | 3/17/2025    | 3/22/2025     |                      |
|               | SNO.COM    | 3 Traps mounted to wall with SS U bracket (sump as backup)                                           | Fmhotu              | \$ 10.00                  | No             |          | 3/9/2025     | 3/10/2025     |                      |
|               | SNO.COM    | 3x Boston Round                                                                                      | Qorpak              | \$ 56.50                  | No             |          | 3/17/2025    | 3/22/2025     |                      |
|               | SNO.HDR    | 3 bottles to rebar in channel - Simplified Nortons                                                   | S&S Metal Fab       | \$ 1,146.00               | No             |          | 1/15/2025    | 3/7/2025      |                      |
|               | SNO.HDR    | 3 8.5" tall 1-L amber glass bottles - coated                                                         | Qorpak              | \$ 76.50                  | No             |          | 12/22/2024   | 1/3/2025      |                      |
|               | SNO.LDR    | 3 bottles to rebar in channel - Simplified Nortons                                                   | S&S Metal Fab       | \$ 1,146.00               | No             |          | 1/15/2025    | 3/7/2025      |                      |
|               | SNO.LDR    | 3 8.5" tall 1-L amber glass bottles - coated                                                         | Qorpak              | \$ 76.50                  | No             |          | 12/22/2024   | 1/3/2025      |                      |
|               | TAC.COM    | 1 Norton Traps mount to pipe (check with steve on if they can install one more on their own)         | S&S Metal Fab       | \$ 382.00                 | No             |          | 1/15/2025    | 3/7/2025      |                      |
|               | TAC.COM    | 1x Boston Round                                                                                      | TESL                | \$ -                      | No             |          | 1/17/2025    | 1/17/2025     |                      |
|               | TAC.HDR    | 1 Norton Traps mount to pipe (check with steve on if they can install one more on their own)         | S&S Metal Fab       | \$ 382.00                 | No             |          | 1/15/2025    | 3/7/2025      |                      |
|               | TAC.HDR    | 1x Boston Round                                                                                      | TESL                | \$ -                      | No             |          | 1/17/2025    | 1/17/2025     |                      |
|               | TAC_IND    | no need - ponar grab                                                                                 | N/A                 | \$ -                      | No             |          | N/A          | N/A           |                      |

|                                     |            |                                                                 |               |    |          |    |           |            |           |
|-------------------------------------|------------|-----------------------------------------------------------------|---------------|----|----------|----|-----------|------------|-----------|
|                                     | CLK_LDR    | 3 bottles in the channel (rebar hoseclamp) - Simplified Nortons | S&S Metal Fab | \$ | 1,146.00 | No | 1/15/2025 | 3/7/2025   |           |
|                                     | CLK_LDR    | 3x Boston Round                                                 | TESL          | \$ | -        | No | 1/17/2025 | 1/17/2025  |           |
|                                     | SEA_IND1   | 3 Traps mounted to wall with SS U bracket (sump as backup)      | Fmhotu        | \$ | 10.00    | No | 3/9/2025  | 3/10/2025  |           |
|                                     | SEA_IND1   | 3x Boston Round                                                 | Qorpak        | \$ | 56.50    | No | 3/17/2025 | 3/22/2025  |           |
|                                     | SEA_IND2   | 3 standard Norton Traps mounted inside 21" pipe                 | S&S Metal Fab | \$ | 1,146.00 | No | 1/15/2025 | 3/7/2025   |           |
|                                     | SEA_IND2   | 3x Boston Round                                                 | TESL          | \$ | -        | No | 1/17/2025 | 1/17/2025  |           |
|                                     | SEA_IND3   | 3 modified shallow Norton Traps mounted inside 15" pipe         | S&S Metal Fab | \$ | 1,146.00 | No | 1/15/2025 | 3/7/2025   |           |
|                                     | SEA_IND3   | Stainless Steel 4" to 6" Expanding Clamp                        | Unidata       | \$ | 140.00   | No | 2/21/2025 | 2/25/2025  |           |
|                                     | SEA_IND3   | Stainless Steel 4" to 6" Expanding Clamp                        | Unidata       | \$ | 140.00   | No | 2/21/2025 | 2/25/2025  |           |
|                                     | SEA_IND3   | Stainless Steel 4" to 6" Expanding Clamp                        | Unidata       | \$ | 140.00   | No | 2/21/2025 | 2/25/2025  |           |
|                                     | SEA_IND3   | Anyday Bowl 3x                                                  | Anyday        | \$ | 120.00   | No | 1/17/2025 | 2/1/2025   |           |
| HP Grab Equipment                   | SNO+IND1   | PM6000RB Peristaltic Pump                                       | Simply Pumps  | \$ | 1,299.00 | No | 12/6/2024 | 12/24/2024 | 2/12/2025 |
|                                     | KC+IND2/3  | PM6000RB Peristaltic Pump                                       | Simply Pumps  | \$ | 1,299.00 | No | 12/6/2024 | 12/24/2024 |           |
|                                     | PIE        | PM6000RB Peristaltic Pump                                       | Simply Pumps  | \$ | 1,299.00 | No | 12/6/2024 | 12/24/2024 |           |
|                                     | ALL        | 18 stainless steel jugs                                         | Kalibrite     | \$ | 2,178.00 | No | 12/6/2024 | 12/18/2024 |           |
|                                     | ALL        | 160 feet of silicone tubing                                     | EES           | \$ | 640.00   | No | 1/17/2025 | 2/1/2025   |           |
| Miscellaneous Hydrologic Monitoring | KC_COM     | Rugged BaroTROLL                                                | In-Situ       | \$ | 445.00   | No | 2/19/2025 | 3/10/2025  |           |
|                                     | KC_COM     | Rugged TROLL 100                                                | In-Situ       | \$ | 445.00   | No | 2/19/2025 | 3/10/2025  |           |
|                                     | KC_HDR     | Rugged TROLL 100                                                | In-Situ       | \$ | 445.00   | No | 2/19/2025 | 3/10/2025  |           |
|                                     | KC_LDR     | Rugged TROLL 100                                                | In-Situ       | \$ | 445.00   | No | 2/19/2025 | 3/10/2025  |           |
|                                     | PIERCE_COM | Rugged TROLL 100                                                | In-Situ       | \$ | 445.00   | No | 2/19/2025 | 3/10/2025  |           |
|                                     | PIERCE_HDR | Rugged TROLL 100                                                | In-Situ       | \$ | 445.00   | No | 2/19/2025 | 3/10/2025  |           |
|                                     | PIERCE_LDR | Rugged TROLL 100                                                | In-Situ       | \$ | 445.00   | No | 2/19/2025 | 3/10/2025  |           |
|                                     | SNO_COM    | Rugged TROLL 100                                                | In-Situ       | \$ | 445.00   | No | 2/19/2025 | 3/10/2025  | 3/28/2025 |
|                                     | SNO_HDR    | Rugged BaroTROLL                                                | In-Situ       | \$ | 445.00   | No | 2/19/2025 | 3/10/2025  | 3/28/2025 |
|                                     | SNO_HDR    | Rugged TROLL 100                                                | In-Situ       | \$ | 445.00   | No | 2/19/2025 | 3/10/2025  | 3/28/2025 |
|                                     | SNO_LDR    | Rugged TROLL 100                                                | In-Situ       | \$ | 445.00   | No | 2/19/2025 | 3/10/2025  | 3/28/2025 |
|                                     | TAC_COM    | Rugged TROLL 100                                                | In-Situ       | \$ | 445.00   | No | 2/19/2025 | 3/10/2025  |           |
|                                     | TAC_HDR    | Rugged TROLL 100                                                | In-Situ       | \$ | 445.00   | No | 2/19/2025 | 3/10/2025  |           |
|                                     | TAC_IND    | Rugged TROLL 100                                                | In-Situ       | \$ | 445.00   | No | 2/19/2025 | 3/10/2025  |           |
|                                     | TAC_IND    | Rugged BaroTROLL                                                | In-Situ       | \$ | 445.00   | No | 2/19/2025 | 3/10/2025  |           |
|                                     | SEA_IND1   | Rugged TROLL 100                                                | In-Situ       | \$ | 445.00   | No | 2/19/2025 | 3/10/2025  | 3/28/2025 |
|                                     | SEA_IND1   | Rugged BaroTROLL                                                | In-Situ       | \$ | 445.00   | No | 2/19/2025 | 3/10/2025  | 3/28/2025 |
|                                     | SEA_IND2   | Rugged TROLL 100                                                | In-Situ       | \$ | 445.00   | No | 2/19/2025 | 3/10/2025  |           |
|                                     | SEA_IND3   | Rugged TROLL 100                                                | In-Situ       | \$ | 445.00   | No | 2/19/2025 | 3/10/2025  |           |
|                                     | CLK_LDR    | Rugged BaroTROLL                                                | In-Situ       | \$ | 445.00   | No | 2/19/2025 | 3/10/2025  |           |
|                                     | CLK_LDR    | Rugged TROLL 100                                                | In-Situ       | \$ | 445.00   | No | 2/19/2025 | 3/10/2025  |           |