

Appendix C

PFAS analytical suite

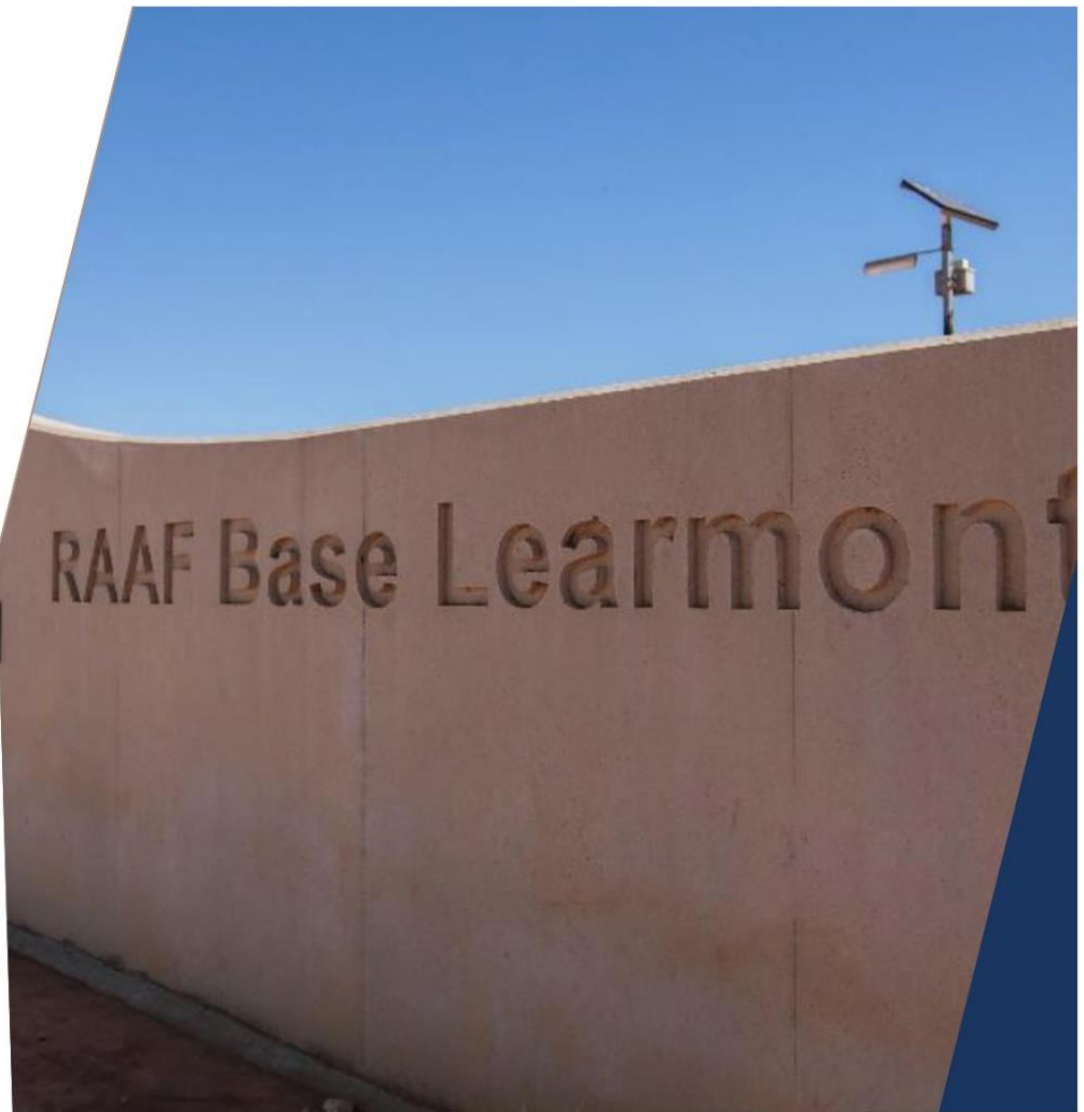
Group/Analytes	Water Std level (µg/L)	Water Std level (µg/L)	Water Low Level (µg/L)	Water Low Level (µg/L)	Super Trace (µg/L)	Super Trace (µg/L)	Super Ultra Trace (µg/L)	Super Ultra Trace (µg/L)
Method Code	EP231	EP231X	EP231-LL	EP231X-LL	EP231-ST	EP231X-ST	EP231-SUT	EP231X-SUT
Sample Volume Requirement	2x 20 mL	2x 20 mL	2x 20 mL	2x 20 mL	2x 120 mL	2x 120 mL	2x 120 mL	2x 120 mL
Perfluoroalkyl Sulfonic Acids								
Perfluoropropane sulfonic acid (PFPrS)		0.02		0.01		0.002		0.002
Perfluorobutane sulfonic acid (PFBS)	0.02	0.02	0.002	0.002	0.0005	0.0005	0.0005	0.0005
Perfluoropentane sulfonic acid (PFPeS)		0.02		0.002		0.0005		0.0005
Perfluorohexane sulfonic acid (PFHxS)	0.01	0.01	0.002	0.002	0.0005	0.0005	0.0005	0.0005
Perfluoroheptane sulfonic acid (PFHpS)		0.02		0.002		0.0005		0.0005
Perfluorooctane sulfonic acid (PFOS)	0.01	0.01	0.002	0.002	0.0003	0.0003	0.0002	0.0002
Perfluorononane sulfonic acid (PFNS)		0.02		0.002		0.0005		0.0005
Perfluorododecane sulfonic acid (PFDoDS)*		0.25		0.25		NA		0.005
Perfluorodecane sulfonic acid (PFDS)		0.02		0.002		0.0005		0.0005
Perfluoroalkyl Carboxylic Acids								
Perfluorobutanoic acid (PFBA)	0.1	0.1	0.01	0.01	0.002	0.002	0.002	0.002
Perfluoropentanoic acid (PFPeA)	0.02	0.02	0.002	0.002	0.0005	0.0005	0.0005	0.0005
Perfluorohexanoic acid (PFHxA)	0.02	0.02	0.002	0.002	0.0005	0.0005	0.0005	0.0005
Perfluoroheptanoic acid (PFHpA)	0.02	0.02	0.002	0.002	0.0005	0.0005	0.0005	0.0005
Perfluorooctanoic acid (PFOA)	0.01	0.01	0.002	0.002	0.0005	0.0005	0.0005	0.0005
Perfluorononanoic acid (PFNA)		0.02		0.002		0.0005		0.0005
Perfluorodecanoic acid (PFDA)		0.02		0.002		0.0005		0.0005
Perfluoroundecanoic acid (PFUnDA)		0.02		0.002		0.0005		0.0005
Perfluorododecanoic acid (PFDoDA)		0.02		0.002		0.0005		0.0005
Perfluorotridecanoic acid (PFTrDA)		0.02		0.002		0.0005		0.0005
Perfluorotetradecanoic acid (PFTeDA)		0.05		0.005		0.0005		0.0005
Perfluorohexadecanoic acid (PFHxDA)		0.05		0.005		NA		NA
Perfluoroalkyl Sulfonamides								
Perfluorooctane sulfonamide (FOSA)		0.02		0.002		0.0005		0.0005
N-Methyl perfluorooctane sulfonamide (MeFOSA)		0.05		0.005		0.001		0.001
N-Ethyl perfluorooctane sulfonamide (EtFOSA)		0.05		0.005		0.001		0.001
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)		0.05		0.005		0.001		0.001
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)		0.05		0.005		0.001		0.001
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)		0.02		0.002		0.0005		0.0005
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)		0.02		0.002		0.0005		0.0005
(n:2) Fluorotelomer Sulfonic Acids								
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	0.05	0.05	0.005	0.005	0.001	0.001	0.001	0.001
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	0.05	0.05	0.005	0.005	0.001	0.001	0.001	0.001
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	0.05	0.05	0.005	0.005	0.001	0.001	0.001	0.001
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	0.05	0.05	0.005	0.005	0.001	0.001	0.001	0.001
PFAS Sums								
Sum of PFAS		0.01		0.002		0.0003		0.0002
Sum of PFHxS and PFOS	0.01	0.01	0.002	0.002	0.0003	0.0003	0.0002	0.0002
Sum of PFAS (WA DER List)	0.01	0.01	0.002	0.002	0.0003	0.0003	0.0002	0.0002

*PFDoDS only available upon request, performed by ALS Sydney



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PFAS Ongoing Monitoring Plan Sampling and Analysis Quality Plan (SAQP)

RAAF Base Learmonth

Prepared for
Department of Defence

May 24



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1 Introduction

Cardno have been engaged by the Australian Department of Defence ('Defence') to prepare a Sampling and Analysis Quality Plan (SAQP) as part of the Ongoing Monitoring Plan (OMP), the purpose of which to monitor trends in the extent and concentrations of per- and poly-fluoroalkyl substances (PFAS) impacts identified on and around RAAF Base Learmonth ("Base"), located approximately 30km south of Exmouth, Western Australia (Figure 1, Appendix A).

The OMP SAQP applies to not only RAAF Base Learmonth, but also the surrounding areas that, together with the Base, make up the "Management Area". For the purposes of this report:

- > "the site" was defined as RAAF Base Learmonth (Figure 1, Appendix A).
- > "the Management Area" was defined as comprising the site, plus the land east of the Base, including the salt pan, drainage channels, WAPET creek and extends to Exmouth Gulf (Figure 2, Appendix A).

The site is located on Commonwealth Land and is regulated under Commonwealth environmental legislation. The OMP outlines the rationale and scope for the monitoring of the concentrations and extent of PFAS in groundwater, surface water and sediment originating from the site. The monitoring regime consists of two main sampling events in June and November, as well a 'first flush' surface water and sediment monitoring event conducted immediately (or as close as possible) following the first heavy rainfall event of the wet season.

1.1 Background

1.2 Purpose & Objectives

The objective of the OMP SAQP is to present the specific monitoring locations, sampling methodologies and quality control / quality assurance measures for the monitoring of the concentrations and extent of PFAS in groundwater, surface water and sediment originating from the site. These findings will inform risk management decisions by Defence and the Western Australian Government to protect human health and the environment.

The specific purposes of the monitoring specified in the OMP is to:

1. Evaluate changes in the nature and extent (spatial and temporal) of PFAS impact in groundwater and surface water pathways associated with site sources of PFAS derived from legacy use of aqueous film-forming foam (AFFF);
2. Monitor the migration of PFAS in groundwater, sediment and surface water from the site;
3. Provide confirmation of the current understanding of risk; and
4. Provide supporting data for assessment of management actions, where relevant.

1.3 Previous Reports

The following key reports prepared in relation to the RAAF Base Learmonth PFAS Investigation have been used as a basis to develop this SAQP:

- > Department of Defence, May 2019, *RAAF Base Learmonth PFAS Management Area Plan*, Revision 4.
- > Department of Defence, May 2019, *RAAF Base Learmonth PFAS Ongoing Monitoring Plan*.
- > GHD, December 2018, *RAAF Base Learmonth – PFAS Investigations – Preliminary and Detailed Site Investigation Report*.
- > GHD, April 2019, *RAAF Base Learmonth – PFAS Investigations – Ecological Risk Assessment (ERA)*.
- > Cardno, April 2020, *PFAS OMP Biannual Monitoring Event Factual Report RAAF Base Learmonth*
- > Cardno, May 2020, *PFAS OMP First Flush Sampling Event Factual Report RAAF Learmonth*
- > Cardno, December 2020, *PFAS OMP 2020 post-summer Biannual Monitoring Event RAAF Base Learmonth*.

- > Cardno, February 2021, *PFAS OMP 2020 post-winter Biannual Monitoring Event RAAF Base Learmonth*
- > Cardno, April 2021, *PFAS OMP First Flush Sampling Event Factual Report RAAF Learmonth*
- > Cardno, June 2021, *PFAS OMP 2020 Annual Interpretive Report – RAAF Base Learmonth*
- > Cardno, August 2021, *PFAS OMP Biannual Monitoring Event Factual Report RAAF Learmonth*
- > Cardno, April 2022, *PFAS OMP Biannual Monitoring Event Factual Report RAAF Learmonth*
- > Cardno, September 2022, *PFAS OMP First Flush Sampling Event Factual Report RAAF Learmonth*
- > Cardno, October 2022, *PFAS OMP Biannual Monitoring Event Factual Report RAAF Learmonth*
- > Cardno, January 2023, *PFAS OMP Biannual Monitoring Event Factual Report RAAF Learmonth*
- > Cardno, April 2023, *PFAS OMP 2021 Annual Interpretive Report – RAAF Base Learmonth*
- > Cardno, September 2023, *PFAS OMP Biannual Monitoring Event Factual Report RAAF Learmonth*

1.4 Relevant Guidelines

This SAQP has been prepared in general accordance with the WA *Contaminated Sites Act 2003* (CS Act), applicable industry standards and guidelines relevant to an assessment of this type, and has been formulated in reference to the following:

- > National Environment Protection Council (NEPC), 1999, *National Environmental Protection (Assessment of Site Contamination) Measure (as amended 2013)* (ASC NEPM).
- > Heads of Environmental Protection Authority's Australia and New Zealand (HEPA), January 2020, *PFAS National Environmental Management Plan (NEMP) 2.0*.
- > Australian Standard AS 4482-2005 *Guide to the investigation and sampling of sites with potentially contaminated soils, Part 1 - Non-volatile and semi-volatile compounds*.
- > Standards Australia 1998. AS/NZ 5667:1998 *Water quality – sampling*.
- > Australian and New Zealand Guidelines, 2018. *Australian and New Zealand Guidelines for Fresh and Marine Water Quality*.
- > Department of Defence, 2021, *Defence Contamination Management Manual (DCMM) Annex L Data Management*.
- > U.S. Environmental Protection Agency (EPA), 2000, *Guidance for the Data Quality Objectives Process (EPA QA/G-4)*.
- > USEPA, 2002, *Guidance on Environmental Data Verification and Data Validation (EPA QA/G-8)*.
- > Department of Water and Environmental and Regulation (DWER), 2021, *Assessment and Management of Contaminated Sites*¹.
- > National Health and Medical Research Council (NHMRC), August 2019, *Guidance on Per and Polyfluoroalkyl Substances (PFAS) in Recreational Water*.

¹ It is noted that Site is located on Commonwealth Land and is regulated under the Commonwealth environmental legislation, the State based DWER guidelines are relevant for the sampling of off-Site waterways.

2 Site Setting

2.1 Site Description

For the purposes of this SAQP report, “the site” was defined as comprising RAAF Base Learmonth. A detailed description of the site is provided in GHD’s DSI Report (GHD, 2018). The site location is presented on Figure 1, Appendix A.

RAAF Base Learmonth is located approximately 30 km South of Exmouth and covers an area of 2,550 hectares (ha).

The buildings and associated infrastructure and support services include:

- > Runway, taxi way and aprons
- > Aircraft hangers
- > Civilian Airport terminal
- > Maintenance and workshop areas
- > General administration
- > Domestic housing
- > Fuel farm (former and current)
- > Sewage treatment ponds
- > Base water bore-field
- > There are also a number of underground storage tanks (USTs) and septic tanks across the site.

Key site identification details are presented in Table 2-1.

Table 2-1 Site Identification Details

Details	Description
Site Address	Minilya-Exmouth Road, Learmonth, WA 6707
Land Description	RAAF Base Learmonth
Owner	Commonwealth of Australia
Planning Zone / Land use	Public Purposes – Commonwealth Government
Local Government Authority (LGA)	Shire of Exmouth

2.2 Surrounding Land Uses and Zoning

The surrounding land uses are outlined in Table 2-2.

Table 2-2 Surrounding Land Uses

Direction	Land Use
North	Kailis Hatchery, Potshot Memorial and pastoral land
West	Cape Range National Park and pastoral land
East	Pastoral land (Exmouth Gulf Station); Exmouth Gulf further east used for commercial prawn fishing, WAPET Creek, Solar Observatory, Bureau of Meteorology.
South	Various landfills, base supply bore-field and pastoral land

2.3 Environmental Setting

Key details defining the site are presented in Table 2-3.

Table 2-3 Key Site Details

Setting	Description
Climate	The region has a hot, semi-arid climate, with a wet and dry season. The maximum temperatures range between 37.9°C (January) and 24.2°C (July) while minimum temperatures range between 11.4°C (July) and 24.7°C (February). Rainfall occurs generally between January and July with monsoonal showers between January and Late April. August to December is generally dry. The highest volume of rainfall typically occurs during the month of June with a mean monthly rainfall amount of 43.5 mm.
Topography	The site is located on a coastal plain and is generally flat. The elevation on site ranges between 0 and 20 metres relative to the Australian Height Datum (m AHD). To the west of site, the elevation at the coastal ranges are 220 m AHD.
Acid Sulfate Soil	A review of the Acid Sulfate Soils (ASS) risk mapping, available on the WA Atlas online database indicates the following: - to the north of the site is classified as having a moderate to low risk of ASS occurring within the top 3m of natural soil but high to moderate risk of ASS beyond 3m of natural soil surface - the salt pan to the east is classified as having a high to moderate risk of ASS occurring in the top 3m of natural soil.
Hydrology	The Exmouth Gulf is located approximately 600 m east of the site at its closest point. The site is also crossed west to east by three ephemeral creeks. RAAF Base Learmonth contains a number of constructed drains that direct surface water towards drainage channels that discharge into WAPET Creek (Central and Southern channels) or Exmouth gulf (northern channel). It was considered likely that the water flow in these drains is limited to high rainfall event. The northern channel was noted by GHD to be inundated with seawater during high tide from the coast to the boundary of Base. WAPET creek is located to the east of the site and is lined with mangroves. Water flows tidally in and out of the creek and low-lying areas around the creek are periodically inundated. - The northern drainage channel discharges directly to the Exmouth Gulf. It is a constructed drain onsite but links to a wide natural channel offsite that cuts through the coastal dunes. - The central drainage channel discharges into the northern reach of WAPET Creek. It is a straight constructed channel for its entire length. - The southern drainage channel discharges into the southern reach of WAPET Creek. It is a constructed drain onsite but links to a natural channel offsite that meanders across low lying salt pan topography.
Geology	Regional Geology The site is underlain by quaternary age alluvial, aeolian and littoral sediments superimposed on the coastal plain (Geological Survey of Western Australia 1980). Further inland are Quaternary alluvium and colluvium deposits that have been derived from erosion of the Cape Ranges. The deposits include clays, silts, sands and gravels. The Cape Range forms the highlands to the west of the site and are composed of Tertiary aged Cape Range limestone units. The coastal areas are fringed by Holocene aged beach and sand dunes consisting of quartz and calcarenite sands. An older Quaternary dune unit is located to the south of RAAF Base Learmonth and dune forms are visible. Intertidal flats and mangrove swamps occur immediately west of the coastal sands and are associated with estuarine creeks. Site Specific Geology The findings of intrusive investigative works at RAAF Base Learmonth, undertaken by GHD between January and June 2018, were broadly consistent with the regional geology described above. - To the west of RAAF Base Learmonth - the geology encountered comprised of colluvium, sands and sandy clay underlain by limestone rock layer - On RAAF Base Learmonth – generally sands and clays were observed at the surface, underlain by colluvium/alluvium, gravels and sands and then weathered limestone rock Salt pan area to the east of the site – generally sands and clays were observed at the surface, underlain by alluvium/colluvium and then shallow limestone rock. Outcrops of limestone displaying fossilised coral were observed along the southern reach of WAPET Creek.

Setting	Description
Hydrogeology	▪ Groundwater Occurrence – The Quaternary and Tertiary geology units are hydraulically connected and form a major, unconfined aquifer. Groundwater in the Quaternary units is considered to be perched and discontinuous. The superficial Quaternary layers (dunes, colluvium, alluvium) are considered to be no more than 20 m in thickness. Coastal dunes may also contain relatively fresh groundwater but of limited extent (lenses). This has not been assessed. The main regional aquifer occurs predominantly within the Tulki Limestone (within permeable beds and the karst system) on the flanks of the range and the Mandu Limestone (within joints and minor permeable beds) on the crest of the range. These units extend to depths of greater than 150 m. ▪ Depth to Groundwater –depth to groundwater has been recorded ranging from approximately 0.8 m below ground level (mbgl) to approximately 8 mbgl during the OMP. The DSI (GHD, 2018) noted that depth to water increased toward the west whereby the deepest groundwater SWLs were encountered at the foothills of the Cape Range in the production bore-field. Groundwater in the low-lying area near WAPET Creek is within 1.5 m of the surface and so is likely to interact with surface salt deposits. ▪ Groundwater Flow Direction – The local groundwater flow pattern at RAAF Base Learmonth was observed to be following the regional flow regime; that is, flowing toward the east. The calculated hydraulic gradient of groundwater across the Base was low and in the order of 0.0003 to 0.0005 m/m (GHD, 2018). The groundwater flow direction and hydraulic gradients greatly restricts the flow of contaminated groundwater from the site to WAPET Creek or Exmouth Gulf. Instead, groundwater from the Base tends to flow towards an area of groundwater depression with elevated salinity that lies between the site and the coast, with there being very little net flow to surface waters further to the east. ▪ Salinity – OMP observations noted groundwater was generally brackish to saline in the western wells, and becoming more saline closer to the coast. The DSI (GHD, 2018) identified the water was fresher in the shallow groundwater aquifer, likely due to rain infiltration. The salinity distribution in the inferred discharge area to the east of the Base is likely to have significant influence on PFAS migration and discharge. Groundwater flow towards the east is restricted by the preferential groundwater recharge zone through the coastal dunes. Groundwater Use – The DWER groundwater database found no registered abstraction bores were identified within a 1.0 km radius of the Base. The Base is downgradient from the nearest potable water supply which is sourced from a series of wells near the base of Cape Range, 3 km to the west of the Base.
	The site is located in close proximity to the Cape Range National Park and Ningaloo Reef to the east. – No Threatened Ecological Communities (TECs) with national environmental significance, were identified in the EPBC Act Protected Matters Report generated on November 2, 2017. – Five priority flora species and 36 threatened or priority fauna species are known or expected to be present within 10 km of RAAF Base Learmonth. – The mangrove wetlands are not listed on the Ramsar Convention on Wetlands of International Importance. It does however constitute a sensitive receptor.
Further information can be found in the Consolidated DSI report (GHD, 2018). Information collected as part of the OMP is consistent with that presented in the DSI.	

2.4 Conceptual Site Model

The site has been subject of previous PFAS investigations, including:

- > A combined Preliminary Site Investigation and Detailed Site Investigation (GHD, 2018)
- > An Ecological Risk Assessment (GHD 2019)

Source Areas

There are DSI monitoring areas where PFAS was detected in soil or groundwater at concentrations exceeding the adopted assessment levels. These are considered to be the most impacted areas and include (refer to Figure 2, Appendix A):

- > 1A – Maintenance Area (Source Area)
- > 2A and 2B– Former and current Fuel Farm (Source Area)
- > 1D – Southern Drainage Channel (Pathway)
- > 1E – Central Drainage Channel (Pathway)
- > 2C – Northern Drainage Channel (Pathway)
- > 1G – WAPET Creek northern reach (Receptor)

The results of the DSI (GHD, 2018) indicate that the two main PFAS source areas were the Fuel Farm and the Maintenance Area. PFAS were found to be present in all environmental media tested (soils, groundwater, sediments, and surface water where present) in these source areas. PFAS were also detected at lower concentrations at a number of other locations across the Base.

The potentially complete Source-Pathway-Receptor (S-P-R) linkages and associated risks for human health and ecological receptors are summarised in Table 2-4.

Table 2-4 Conceptual Site Model S-P-R Linkages

Source	Pathway	Receptor	DSI/ERA (GHD, 2018) Commentary / Risk Assessment
Human Health			
Soil contamination (PFAS) - Fuel Farm - Maintenance Area	Ingestion / dermal contact / inhalation	Site users and site workers	No exceedance of the health investigation levels (HILs) was recorded at the fuel farm. Only limited exceedances of the residential HIL were recorded at the maintenance area and the primary use of the site is industrial. The risk to site workers and users is considered negligible as the opportunity for ingestion, inhalation or dermal contact is manageable. Negligible Risk
Groundwater contamination (PFAS) - Fuel Farm - Maintenance Area	Ingestion / dermal contact with groundwater	Site workers during excavation works	Exceedances of the HILs for both potable and non-potable use were recorded. Groundwater is not abstracted in these areas for any use. Due to groundwater flow direction and low hydraulic gradient it is unlikely groundwater from beneath the source areas is discharging to recreational areas. Negligible Risk
	Bioconcentration and biomagnification in the food chain	Consumers of impacted aquatic organisms / produce	No sampling of edible produce/biota has been completed at the site. However, based on results from HEH-B the risk is considered negligible. Negligible Risk
Sediment contamination (PFAS) - Fuel Farm - Maintenance Area	Ingestion / dermal contact / inhalation	Site users and site workers	No exceedance of the HILs was recorded. The opportunity for ingestion, inhalation or dermal contact is low and manageable as sediments are confined to drains where access is limited. Low Risk.
Surface water contamination (PFAS) - Fuel Farm - Maintenance Area	Ingestion / dermal contact	Site users and site workers	No exceedance of the HILs was recorded. Water is ephemeral and not likely to be sourced for consumption. The opportunity for exposure is low and manageable. Negligible Risk
Ecological			
Soil contamination (PFAS) - Fuel Farm - Maintenance Area	Leaching (from soil to groundwater)	Underlying aquifer	Deeper aquifer (limestone) was not directly assessed but groundwater at 20 m was impacted, so it is likely the deeper limestone will be impacted.
	- Soil ingestion/Dermal contact - Plant uptake	Fauna	Potential for uptake from soils and accumulation in predatory animals consuming soil-dwelling animals or plants. However the area is industrial, fenced off with significant hardstand and no natural, undisturbed ecosystems making exposure limited. Low Risk
	Lateral migration with groundwater flow	Exmouth Gulf	Groundwater may not discharge to sensitive ecosystems due to groundwater flow directions and low hydraulic gradients.

Source	Pathway	Receptor	DSI/ERA (GHD, 2018) Commentary / Risk Assessment
- Fuel Farm - Maintenance Area	Lateral migration followed by bioconcentration and biomagnification in the food chain	Marine ecosystem	Potential PFAS mass in groundwater is low. Low Risk Ongoing monitoring of groundwater, surface water, pore water, and sediment PFAS concentrations is recommended to confirm this level of risk.
Surface water contamination (PFAS) - Fuel Farm - Maintenance Area	- Dermal contact or ingestion/uptake of surface water - bioconcentration and biomagnification in the food chain	- Flora and Fauna - Marine Flora and Fauna	Potential for uptake and accumulation in plants and animals however, water is ephemeral and therefore only periodically available for animal consumption. Surface water from the site can discharge eventually into WAPET Creek via the Central Drainage Channel. However, this is likely to occur in high rain events and result in significant dilution. Sampling results indicated only very low levels of PFAS in WAPET Creek. Low Risk
Sediment contamination (PFAS) - Fuel Farm - Maintenance Area	Dermal contact or ingestion	Fauna	Potential for uptake from soils and accumulation in predatory animals consuming soil-dwelling animals or plants. However the area is industrial, fenced off with significant hardstand and no natural, undisturbed ecosystems making exposure limited. Low Risk

3 Data Quality Objectives

Development of data quality objectives (DQOs) for the OMP SAQP is based on guidance presented in the ASC NEPM (NEPC 2013) and are consistent with *RAAF Base Learmonth PFAS Investigation PFAS Ongoing Monitoring Plan* (Defence, 2019). The DQO process comprises the following seven steps:

- > Step 1: State the problem
- > Step 2: Identify the decision/principal study question(s)
- > Step 3: Identify the Inputs into the Decision
- > Step 4: Study Boundaries
- > Step 5: Decision rules
- > Step 6: Tolerable limits on decision errors
- > Step 7: Optimisation of the data collection process

The DQOs are detailed in Table 3-1.

Table 3-1 Data Quality Objectives

Data Quality Step	Description
State the Problem	The DSI (GHD, 2018) identified PFAS in groundwater, surface water and sediment within the Management Area at concentrations exceeding the relevant assessment levels. The primary mechanisms by which PFAS has migrated off-Site are considered to be via surface drains, notably the Central Drainage Channel which discharges directly into WAPET Creek. The ERA (GHD, 2019) identified one exposure risk associated with foraging seabirds from the consumption of impacted biota in the northern reach of WAPET Creek. Current data for the majority of sampling locations is limited to one or two sampling events. Whilst the findings of the ERA (GHD, 2019) recognised that an adverse ecological impact is unlikely, a robust dataset is required to assess trends in the nature, extent and magnitude of PFAS concentrations within sediment, surface water, seepage water and groundwater. Groundwater ▪ Groundwater was found to be contaminated with PFAS, with the highest concentrations identified in the two main source areas, with relatively low concentrations elsewhere. ▪ PFAS concentrations varied both vertically within the groundwater profile and laterally across the site. Generally, the concentrations reduced with depth and distance from contamination source areas. ▪ Concentrations of PFAS in groundwater on the Base and in the vicinity of the Base exceed the guidelines for drinking water in the fuel farm, the maintenance area, MW117 (Base Landfill), STP, MW124 (Salt pan area), MW138 (Central Drainage Channel), MW172 (Former Aircraft Parking Area South), MW183 (UST at Former Powerhouse) and MW108 (UST/AST at ALER 36). In these areas the groundwater is saline and is not potable, and groundwater is not used for potable purposes. ▪ Traces of PFAS have been identified in potable wells to the west of RAAF Base Learmonth; however, the concentrations do not exceed the drinking water guideline. ▪ The groundwater flow direction and hydraulic gradients greatly restricts the flow of contaminated groundwater from the Base to WAPET Creek or Exmouth Gulf. Traces of PFAS have been detected in shallow seepage water along shorelines; this contamination is most likely to have resulted from localised infiltration of contaminated surface water rather than groundwater migrating from the Base. It was concluded that groundwater contamination present at the Base poses a low risk to the aquatic ecosystems of surface waters (WAPET Creek and the Gulf). Surface Water ▪ Concentrations of PFAS in surface water exceed the recreational water guideline in drains off-site at SW171 and in the Maintenance Area (SW122). ▪ Groundwater may discharge to a surface water body where recreational activities occur such as swimming. However, the groundwater flow direction and hydraulic gradients greatly restrict the rate of flow and the discharge to WAPET Creek or Exmouth Gulf. Measured concentrations in surface water bodies are below relevant guideline.

Data Quality Step	Description
	- Waters of the WAPET Creek southern reach are regularly flushed by the tides and PFAS was not detected in samples of surface water and biota. - Waters of the northern reach are irregularly flushed by the tides, and PFAS was detected in samples of surface water and crabs. The concentrations of PFAS in crabs were low and do not pose a risk to humans consuming crustaceans from the northern reach of WAPET Creek. - Trace concentrations of PFAS were detected in water seeping from the coast line and discharging to Exmouth Gulf. PFAS were not detected in fish and crabs in the Gulf waters. Soil and Sediment - PFAS contamination in the Maintenance Area exceeded the human health screening level protective of residential land-use however, the soil collected in residential backyards were below guidelines. - In several locations (the Maintenance Area, Fuel Farm, BH209 (Grid sample onsite) and BH329 (UST at Former Powerhouse) there were exceedances of the screening criterion for Interim Ecological Indirect Exposure Commercial/Industrial. - Contaminated soil and sediment can be mobilised and flow along surface drains offsite to WAPET Creek and Exmouth Gulf; however, such migration will be generally limited to larger rainfall events and flooding and will be subject to significant dilution A robust dataset is required to assess trends in the nature, extent and magnitude of PFAS concentrations within sediment, surface water and groundwater to validate/improve the understanding of the CSM in relation to spatial and temporal variability of PFAS concentrations within the Management Area and associated receptors.
Identify the decision/principal study question(s)	This OMP is to provide further data to assess the following principal study questions: - What are the changes and trends in the nature, extent and magnitude of PFAS concentrations in the groundwater, surface water and sediment within the Management Area? - Has the nature, extent and magnitude of PFAS concentrations changed significantly to warrant a revision of the ERA? - Has the nature, extent and magnitude of PFAS concentrations changed significantly to warrant refinement of any existing management measures? - Has the nature, extent and magnitude of PFAS concentrations changed significantly or are they likely to change?
Identify the Inputs into the Decision	The following inputs are required to resolve the principal study questions outlined in Step 2: - PFAS concentrations in groundwater, surface water and sediment from previous and future monitoring events. - Field data (i.e. groundwater levels, physico-chemical parameters) on groundwater and surface water from previous and future monitoring events. - An appropriate statistical evaluation of the data (e.g. using Mann-Kendall or similar analysis) including short and long term trends, in particular for surface water and groundwater concentrations. - Comparison of data sets to relevant endorsed assessment levels (refer to Section 4.2.4).
Study Boundaries	Ongoing monitoring will be undertaken within the boundaries of the Management Area (Figure 2, Appendix A) at the groundwater, surface water and sediment monitoring locations outlined in Section 4.1. Monitoring will be undertaken every six months, with one monitoring event in November and June. An additional surface water and sediment monitoring event will take place following the first flush immediately (or as close as possible) following the first heavy rainfall event of the wet season. Section 4.2 provides further detail on the monitoring frequency.
Develop a Decision Rule	- The analytical and field data will be used to assess changes to the nature, extent and magnitude of PFAS in surface water, sediment and groundwater and to provide supporting data for assessment of management actions, where relevant. - Trends in PFAS concentrations, including an assessment of temporal and spatial changes, will be assessed using an appropriate statistical analysis approach (e.g. using Mann- Kendall, GWSdat or similar analysis), with a specified level of confidence based upon the number of monitoring rounds completed.

Data Quality Step	Description
	- The analytical data will be compared to the relevant assessment levels (presented in Section 4.2.4) and/or historic concentrations (i.e. maximum concentration) recorded during prior monitoring rounds [i.e. during the DSI (GHD, 2018)] to evaluate changes in the risk profile and whether revision of the OMP, ERA or implemented management measures is warranted. Where exceedances of adopted assessment criteria levels (presented in Section 4.2.4) or new detections are reported, further interrogation of data will be undertaken to the extent relevant to assess the risk profile and location. A summary of the key decision rules are detailed below: - Have the analytical data collected as part of the monitoring program met the DQI (refer Table 3-2.below)? If yes, then the data can be used to answer the decision rule below and the decision statements developed in Step 2. If no, then an assessment of the need to collect additional data will be required. - Do PFAS concentrations exceed the investigation criteria? If no, then the contamination would be considered not to pose an unacceptable risk. Where results exceed the adopted investigation criteria, this may not necessarily indicate an unacceptable level of risk. Further risk assessment, and potentially additional investigations, will be required to determine the potential for unacceptable impacts. - Has PFAS been detected in any of the off-site bores previously not detected? If yes, do PFAS concentrations reported indicate an increasing trend and/or exceed historic maximum concentrations? Do results indicate a potential risk to associated receptors including associated risks that PFAS may present towards human receptors (i.e. consumers of abstracted water). Further risk assessment, and potentially additional investigations, will be required to determine the potential for unacceptable impacts. - Has PFAS been detected in onsite drainage channels and offsite surface water bodies within the management areas? If yes, do PFAS concentrations reported indicate an increasing trend or exceed historic maximum concentrations? Do results indicate a potential risk to receptors and changes to the risk profile? Further risk assessment, and potentially additional investigations, will be required to determine the potential for unacceptable impacts. The Ongoing Monitoring Interpretive Report will review the results obtained against these triggers/decisions and the management response triggers and contingencies detailed in the OMP (Section 4.3).
Specify Limits on Decision Error	The potential for significant decision errors will be minimised by completing a robust QA/QC program in accordance with DWER and NEPM guideline requirements. Standard operating procedures will be closely followed in the field to ensure accurate and representative data acquisition. DQIs will be applied to assess usability of data prior to making decisions, based on precision, accuracy, representativeness, comparability and completeness. The acceptable limit on decision error is 95% compliance with the applied DQIs (see Table 3-2). If any of the DQIs are not met, further assessment will be necessary to evaluate the significance of the non-conformance and any corrective actions.
Optimise the Design for Obtaining the Data	The design of the OMP has been made in consideration of historical activities at the site, historical investigations (and findings i.e. DSI and ERA), in the context of developing responses to the principal study questions outlined in Step 2 and to meet the DQOs ensuring that a representation of the current site condition can be achieved. The OMP scope is outlined in Section 6, the available data is reviewed annually and evaluated to determine if the frequency of monitoring should increase or decrease to provide better understanding of PFAS concentration fluctuations and potential risks to receptors. As additional information is gathered during the course of this monitoring program, it may be beneficial for the proposed scope of works to be altered from the initial design. Changes to the proposed monitoring, if considered necessary, will be made based on risk profile reviews and updated CSM and in consultation with Defence. Other factors that will optimise the design for obtaining data will include the use of laboratories that are NATA accredited for PFAS analysis and ensure laboratory LORs are suitable to meet the relevant adopted assessment levels (where possible), experienced field scientist(s), robust field and laboratory quality assurance/quality control protocols are adopted and Field and analytical data are collected in accordance with the PFAS NEMP (HEPA 2020), ASC NEPM (NEPC 2013) and the assessment of contaminated sites (DER 2014).

An assessment of the Data Quality Indicators (DQIs) relating to both field and laboratory procedures will be undertaken with appropriate documentation provided for each environmental element or media assessed. The DQIs adopted for the DSI are summarised in Table 3-2.

Table 3-2 Data Quality Indicators

Data Quality Indicator	Detail								
QA Documentation	Provision of appropriate work plans, DQI and DQO defined for the site and all QA/QC aspects documented.								
Bias	A measure of the potential distortion in an analysis which can result in errors in one direction (e.g. one laboratory consistently higher results or consistent poor spiked matrix recovery). Bias will be assessed with reference to the analysis of spiked matrix samples (NEPC 1999b).								
Representativeness	A qualitative measure of the confidence that data is representative of each medium present on the site. Use of appropriate and documented sampling methods, sampling handling, preservation and transport and holding times.								
Precision:	A quantitative measure of data variability or reproducibility, measured by the calculation of %RPD values for duplicate samples (i.e. measure of agreement). Precision in DQI is considered an important assessment in an environmental study (USEPA, 2002, Guidance on Environmental Data Verification and Data Validation). It can be measured as follows: - Percentage of the mean of the measurement such as Relative Percent Difference (i.e. %RPD). The %RPD will be calculated for the field and secondary duplicate (i.e. inter and intra-laboratory analysis); and - Use of similar analytical method and instrument (e.g. for inter-laboratory assessment). The %RPD will be considered as acceptable if the values are: <table border="1"> <thead> <tr> <th>Magnitude of result</th><th>Acceptable RPD range</th></tr> </thead> <tbody> <tr> <td><10 x limit of reporting (LOR)</td><td>No limits</td></tr> <tr> <td>10 – 20 x LOR</td><td>0% - 50%</td></tr> <tr> <td>>20 x LOR</td><td>0% - 20%</td></tr> </tbody> </table> - Should there be a result that is greater than acceptable RPD range, then a “review should be conducted of the cause (e.g. instrument calibration, appropriateness of method used)” (NEPC, 2013). For the purpose of this OMP SAQP, field and secondary duplicates should be collected at a rate of 1 in 10 samples (HEPA 2020 and GHD, 2018).	Magnitude of result	Acceptable RPD range	<10 x limit of reporting (LOR)	No limits	10 – 20 x LOR	0% - 50%	>20 x LOR	0% - 20%
Magnitude of result	Acceptable RPD range								
<10 x limit of reporting (LOR)	No limits								
10 – 20 x LOR	0% - 50%								
>20 x LOR	0% - 20%								
Accuracy	A quantitative measure of the closeness of data to a ‘true value’, measured by the analysis of spike, blank and laboratory control samples (LCS). The LCS consists of a standard reference material or a matrix of known concentration. For the purpose of assessing accuracy, it is required that at least one LCS for each process batch be analysed (NEPC, 2013).								
Comparability	A qualitative measure of the confidence that data may be considered to be equivalent for each sampling and analytical event. By use of standard procedures, comparable methods, qualified personnel and review of sample integrity.								
Completeness	A measure of the amount of usable data (expressed as a percentage - %) from a data collection activity, based on completeness of test program, overall QA/QC completeness and validity of data set.								

4 Sampling Locations, Rationale and Methodology

4.1 Monitoring Locations and Sampling Schedule

4.1.1 Monitoring Frequency

All monitoring locations will be sampled every six months. The main sampling events will be undertaken in November and June to record the concentration and extent of PFAS and determine any seasonal fluctuations or trends. This monitoring frequency aligns with the climate of the Management Area, which features the highest volume of rainfall typically between January and July and lower rainfall between September and December.

An additional monitoring event for surface water and sediment will be conducted immediately (or as close as possible) following the first heavy rainfall event of the wet season. This would serve to assess the potential increase in PFAS surface water concentrations following 'first flush' rainfall and subsequent timeframe for attenuation to 'long-term average' concentrations.

4.1.2 Groundwater and Seepage water Monitoring Locations

The groundwater monitoring locations as part of the OMP monitoring are presented in Table 4-1, along with the rationale for the selection, and are shown on Figure 3, Appendix A. For the multilevel monitoring wells, only the shallowest-non-dry screened intervals will be sampled.

Groundwater sampling, particularly those near WAPET Creek and Exmouth Gulf, must consider tidal periods to ensure spurious elevation data is not used to assess groundwater flow. Given the remoteness of the site, one-off opportunistic sampling is not considered feasible. Seepage water sampling will occur at low, outgoing tides which is considered the optimal condition for groundwater discharge.

Seepage water sample locations were chosen to assess the inferred groundwater discharge zone along the coast and are shown on Figure 3. They include locations near the mouth of WAPET Creek, the Northern Drainage Channel, a low point in the dunes near the southern reach and other locations along the coast.

Table 4-1 Groundwater and Seepage water Monitoring Locations

Area	Monitoring Well / Bore ID	Rationale
Source Areas	Source 1 – Maintenance Area - MW018, MW021, MW112, MW113, MW114, MW115, MW162, MW163, MW164, MW165, MW166, MW167, MW168, MW211, MW233. Source 2 – Fuel Farm – MW105, 0960_MW148D, MW148S, MW151, MW159, MW238.	Confirmation of overall PFAS impact identified in the DSI (GHD, 2018). Assessment of overall changes in PFAS concentration in the source areas to provide temporal data on depletion of the source zone.
Pathway	MW102, MW103, MW104, MW122, MW124, MW126, MW127, MW134, MW135, MW138, MW139, MW140, MW143, MW144, MW145, MW146, MW147, MW170, MW172, MW175, MW180, MW181.	Confirmation of overall PFAS impact identified in the DSI (GHD, 2018). Assessment of changes in PFAS concentration and distribution in the main migration pathways. This will also allow for early detection of significant changes in migration so contingencies can be put in place.
Receptor	MW137, MW141, MW176, MW177, MW178, MW179.	Confirmation of overall PFAS impact identified in the DSI (GHD, 2018). Assessment of changes in PFAS concentration and distribution in the main aquatic receptors.
Seepage	OTH103, OTH106, OTH107, OTH129, OTH132, OTH134.	To assess the inferred groundwater discharge zone along the coast.

Construction details for the groundwater wells monitored as part of the OMP are provided in Table 4-2.

Table 4-2 OMP Groundwater Monitoring Wells Construction Details

Well ID	Date drilled	Easting ¹	Northing ¹	RL TOC (mAHD)	Depth (mbgl)	Screen interval (mbgl)
MW018	2006	199251.86	7537465.65	6.403	8.5	5.5-8.5
MW021	2006	199143.14	7537433.45	6.745	8.6	5.6-8.6
MW102	2018	200487.728	7538870.392	4.6266	8.5	2.5-8.5
MW103	2018	199762.727	7540965.102	2.2785	5.8	1.0-5.8
MW104	2018	199946.08	7540599.855	2.7256	6.5	1.0-6.5
MW105	2018	199491.679	7540303.158	3.7272	8.0	2.0-8.0
MW112	2018	199473.4723	7537651.252	5.1191	8.0	3.0-8.0
MW113	2018	199156.14	7537686.096	7.3165	10.0	4.0-10.0
MW114	2018	199037.9871	7537512.217	7.7467	10.0	4.0-10.0
MW115	2018	199604.327	7537522.607	4.9133	8.0	3.0-8.0
MW122	2018	200580.746	7537635.452	3.9702	7.7	1.7-7.7
MW124	2018	200525.625	7539636.566	2.9183	6.0	1.0-6.0
MW126	2018	200301.728	7536952.205	4.5088	8.0	2.0-8.0
MW127	2018	200158.599	7536314.042	5.6238	8.5	2.5-8.5
MW134	2018	200439.185	7540598.585	2.5155	5.7	1.0-5.7
MW135	2018	200867.402	7540438.161	2.7781	3.0	2.5-3.0
				2.7828	5.0	4.5-5.0
				2.7858	7.0	6.5-7.0
				2.7884	9.5	9.0-9.5
MW137	2018	201611.362	7539047.314	2.1687	1.3	0.8-1.3
				2.1691	3.0	2.5-3.0
				2.2017	5.0	4.5-5.0
				2.2034	7.0	6.5-7.0
MW138	2018	200820.406	7538649.357	3.3074	3.5	3.0-3.5
				3.3166	5.5	5.0-5.5
				3.3205	7.5	7.0-7.5
				3.3224	9.5	9.0-9.5
MW139	2018	201088.954	7536832.655	4.1386	7.0	2.0-7.0
MW140	2018	202004.879	7537028.632	2.4916	2.0	1.5-2.0
				2.5035	4.0	3.5-4.0
				2.5081	6.5	6.0-6.5
				2.5345	9.0	8.5-9.0
MW141	2018	202555.223	7537320.681	2.7999	2.0	1.5-2.0
				2.8073	3.5	3.0-3.5
				2.8141	5.5	5.0-5.5
				2.8224	7.5	7.0-7.5
MW143	2018	200819.408	7539420.558	2.8174	3.5	3.0-3.5
				2.8204	5.5	5.0-5.5
				2.8221	7.5	7.0-7.5

Well ID	Date drilled	Easting ¹	Northing ¹	RL TOC (mAHD)	Depth (mbgl)	Screen interval (mbgl)
MW144	2018	200691.327	7540195.613	2.8273	9.5	9.0-9.5
				3.0481	3.5	3.0-3.5
				3.052	5.5	5.0-5.5
				3.0545	7.5	7.0-7.5
				3.0573	9.5	9.0-9.5
MW145	2018	201084.426	7538337.599	3.1416	3.5	3.0-3.5
				3.1481	5.5	5.0-5.5
				3.1506	7.5	7.0-7.5
				3.1519	9.5	9.0-9.5
MW146	2018	201126.901	7537691.759	2.7937	3.5	3.0-3.5
				2.8009	5.5	5.0-5.5
				2.802	7.5	7.0-7.5
				2.8184	9.5	9.0-9.5
MW147	2018	201259.369	7537322.231	2.9123	3.5	3.0-3.5
				2.9152	5.5	5.0-5.5
				2.9183	7.5	7.0-7.5
				2.9209	9.5	9.0-9.5
MW148D	2018	199536.808	7540521.489	3.5778	20.0	14.0-20.0
MW148S	2018	199537.603	7540521.649	3.6851	8.0	2.0-8.0
MW151	2018	199442.761	7540459.319	4.0631	8.0	2.0-8.0
MW159	2018	199164.27	7540373.912	4.1895	9.0	3.0-9.0
MW162	2018	199230.504	7537650.674	6.856	20.0	17.0-20.0
MW163	2018	199232.4874	7537569.5756	6.7808	20.0	17.0-20.0
MW164	2018	199251.946	7537546.874	6.7893	20.0	17.0-20.0
MW165	2018	199312.5481	7537531.6778	6.1043	9.0	3.0-9.0
MW166	2018	199363.212	7537610.565	5.7441	8.5	2.5-8.5
MW167	2018	199368.445	7537673.832	6.2094	8.5	2.5-8.5
MW168	2018	199390.678	7537754.41	6.1713	8.5	2.5-8.5
MW170	2018	199828.672	7536509.856	5.639	8.5	2.5-8.5
MW172	2018	199755.067	7536989.143	5.6193	8.5	2.5-8.5
MW175	2018	201458.887	7540121.278	4.7916	4.5	4.0-4.5
				4.7982	6.0	5.5-6.0
				4.7995	7.5	7.0-7.5
				4.8316	9.5	9.0-9.5
MW176	2018	201711.745	7539606.488	2.1274	2.0	1.5-2.0
				2.1279	4.0	3.5-4.0
				2.1594	6.5	6.0-6.5
				2.1712	9.0	8.5-9.0
MW177	2018	202130.765	7539004.262	2.2299	2.0	1.5-2.0
				2.2517	4.0	3.5-4.0

Well ID	Date drilled	Easting ¹	Northing ¹	RL TOC (mAHD)	Depth (mbgl)	Screen interval (mbgl)
MW178	2018	201387.629	7539566.48	2.2531	6.5	6.0-6.5
				2.2718	9.0	8.5-9.0
				2.1612	2.5	2.0-2.5
				2.1614	4.5	4.0-4.5
				2.1726	7.5	7.0-7.5
				2.1762	9.5	9.0-9.5
MW179	2018	201939.471	7538448.239	2.222	1.5	1.0-1.5
				2.2371	3.7	3.2-3.7
				2.2653	6.4	5.9-6.4
MW180	2018	201567.932	7537913.284	2.2689	9	8.5-9.0
				1.9179	1.5	1.0-1.5
				1.9226	4	3.5-4.0
				1.9368	6.5	6.0-6.5
MW181	2018	201688.497	7537372.233	1.9458	9	8.5-9.0
				2.2333	2	1.5-2.0
				2.2773	4	3.5-4.0
				2.2789	6	5.5-6.0
MW211*		199199.771	7537549.138	2.3122	7.5	7.0-7.5
MW233	2015	199198.57	7537590.67	6.3409		
MW238	2006	199446.65	7540509.92	6.262	7	4-7
				3.98	6	3.0 – 6.0

Note: * No bore log available

4.1.3 Surface water and Sediment Monitoring Locations

The surface water locations as part of the OMP monitoring are presented in Table 4-3 along with the rationale for the selection, and are highlighted on Figure 4, Appendix A. The location shown on Figure 4 are for guidance and actual locations will depend on conditions at the time of sampling. Priority will be given to areas where surface water has pooled and to low lying areas where sediment can accumulate.

Table 4-3 OMP Surface water and Sediment Monitoring Locations

Area	Surface water Sampling Location ID	Sediment Sampling Location ID	Rationale
Drainage channels (source and pathway)	Bi-annual and first flush events: SW108, SW113, SW114, SW121, SW122, SW123, SW124, SW125, SW157, SW166, SW168, SW170, SW174, SW176, SW189, SW190, SW192, SW193, SW198, SW199, SW200, SW219, SW227, SW231, SW234, SW235, SW243, SW265, SW277, SW278, SW279, SW288, SW291, SW292, SW293, SW298	Bi-annual and first flush events: SD199, SD200, SD219, SS108, SS113, SS114, SS121, SS122, SS123, SS124, SS125, SS157, SS166, SS168, SS170, SS174, SS176, SS189, SS190, SS192, SS193, SS227, SS231, SS234, SS235, SS243, SS265, SS277, SS278, SS279, SS288, SS291, SS292, SS293, SS298	The monitoring will assess the PFAS extent and changes in the Central Drainage Channel leading to WAPET Creek. It will also confirm the low risk posed by sediment and surface water in other drainage channels. Monitoring of these locations will provide an indication of any change in the nature or magnitude of PFAS in surface waters and sediments, and will help in determining changes attributable to seasonal fluctuations. Priority will be given to areas where surface water has pooled and to low lying areas where sediment can accumulate. This includes surface water pooling on Base at the flood gate release point, which if present during wet season monitoring will be sampled.
WAPET CREEK (Receptor)	Bi-annual and first flush events: SW001, SW205, SW207, SW208, SW209, SW210, SW211, SW300, SW301, SW302, SW303, SW304, SW305	Bi-annual and first flush events: SD205, SD207, SD208, SD209, SD210, SD211, SD300, SD301, SD302, SD303, SD304, SD305, SS301	WAPET Creek is the most important receptor with respect to identified risk. Monitoring of these locations will provide an indication of any change in the nature or magnitude of PFAS in surface waters and sediments, and will help in determining changes attributable to seasonal fluctuations

4.2 Sampling Methodology

4.2.1 Groundwater and Seepage water Sampling Methodology

Groundwater monitoring will be undertaken by no purge HydraSleeve® method for the single-level wells, while the multilevel wells will be sampled with a peristaltic pump and seepage water sampling will be conducted using the methodology that is consistent with the 2018 DSI, as detailed in Table 4-4.

Table 4-4 Groundwater and Seepage water Monitoring – Sampling Method

Activity	Details
Well Gauging	Standing Water Level (SWL) will be gauged using an interface probe. All wells will be measured against a specified mark at the top of the well casing.
Groundwater Field Parameters	For the single level wells, the field parameters will be recorded via a water quality meter from HydraSleeves® or hand-bailed water. For the multilevel wells, the field parameters will be recorded with a flow cell during purging. The following field parameters will be recorded: - pH. - electrical conductivity (EC). - oxidation reduction potential (ORP). - Dissolved oxygen (DO). - Temperature. Once field parameters have stabilised (as indicated by at least three consecutive measurements falling within +/- 10% of each other), stabilised parameters' measurement will be recorded on field data records. All field instruments (e.g. water quality meter) will be calibrated by the equipment supplier and daily readings of reference solutions (bump tests) completed to optimise the accuracy of the measurements taken.
Peristaltic pumping (multilevel well sample collection)	The shallowest (non-dry) wells will be sampled at each location using Teflon-free dedicated and disposable high-density polyethylene (HDPE) tubing coupled to a peristaltic pump system. The groundwater will be purged at a low flow rate of 0.2L/min. Near-continuous monitoring of SWL and field parameters will be undertaken during purging and post sample collection to ensure limited drawdown effects. The groundwater will be sampled when the field parameters have stabilised, or before drawdown reaches a maximum of 30 cm.
Deployment and Retrieval of HydraSleeves® (single level well sample collection)	HydraSleeves® will be deployed with top weight sample collection to begin at the lowest point (where practicable). HydraSleeves® should not sit at the base of a monitoring well where sediment may be present. HydraSleeves® sampling devices deployed with bottom weights will be left in wells for a minimum of 4 hours to allow restabilisation of the well following the slight disturbance caused by sampler deployment. HydraSleeves® sampling devices with top and bottom weights will be left in wells for a minimum of 24 hours to allow restabilisation of the well and for the top weight to compress. Samples will be collected via continuous pull method at a rate allowing the water to pass through the check valve into the sample sleeve. Samples will be discharged immediately (minimise changes in chemistry) via discharge tube. Following sampling, new HydraSleeves® will be deployed in preparation for the next OMP monitoring event using the same string for consistency (same depth of sampling i.e. within screen depth).
Alternative sampling methodology (hand bailing)	Disposable HDPE hand bailers, attached to a polypropylene string, will be used in the event that the water column isn't sufficient to fill the HydraSleeve®. Purging of the well (i.e. removal of 3x well volume) will be undertaken prior to sampling to ensure that a sample representative of the aquifer is taken. Field

Activity	Details
	parameters will be regularly recorded during the bailer purge to confirm field parameter stability is achieved.
Seepage Water Sampling	Sampling will be carried out within a two-hour period; one hour each side of the low tide. Sampling protocol will involve a shallow excavation in the beach sand; just above where inundation by wave action is occurring. In-situ water parameters will be measured from water seeping into the excavation using a calibrated water quality meter. Water seeping into the excavation will be purged prior to measuring water quality parameters (using a dedicated syringe or jug). Once more water seeps in to the excavation, sampling containers will be lowered into the exposed seepage water and filled.
Field Records	Field records will include the following information: - Sampling time and date. - Weather conditions. - Sample Collection method. Where a HydraSleeve® is used for sample collection, the target interval depth will be recorded. - Stabilised field parameters (three readings required when a bailer is used). - Sampling equipment decontamination procedures where non-disposable sampling equipment is utilised. - Calibration and daily bump test records. All sample documentation including field notebooks, reporting records, COC and equipment calibration certificates and procedures will be retained within project files.
Decontamination procedure	Dedicated HydraSleeves® and single use nitrile gloves will be used at each groundwater bore thus removing the need for decontamination. All re-usable sampling equipment will be thoroughly washed using PFAS-free detergent then double rinsed with clean water before the sample collection.
Sample identification, preservation transport and holding times	Each sample container will be pre-labelled by the laboratory with a unique barcode for identification. Samples will be collected directly in appropriately preserved laboratory supplied bottles (Teflon-free) and packed in chilled containers for delivery to the laboratory under Chain of Custody (CoC) documentation. Sample containers, preservation procedures, sample storage requirements and holding times will be undertaken in accordance with those recommended by Standards Australia (AS/NZS 5667.1:1998).
Laboratory Testing	- Full PFAS analytical suite (see Appendix B). - Major anions and cations (include calcium, magnesium, sodium, potassium, chloride, sulfate, alkalinity and ionic balance)
Laboratory Testing – Quality Control	- Groundwater QC samples will be collected at the following frequencies as detailed in the OMP (Defence, 2019): - Field duplicate (intra-laboratory) samples at 1 per 10 water samples or 1 per batch if the batch is less than 10 samples. - Field triplicate (inter-laboratory) samples at 1 per 10 water samples should be sent to a secondary laboratory. - Rinsate blank sample at 1 per day [collected off re-used sampling equipment (e.g. interface probe)]. - Field blank samples at 1 per day.
Laboratory Accreditation and Limits of Reporting	All groundwater analysis will be undertaken by laboratories accredited by the NATA. - Primary analysis will be undertaken by ALS Global Laboratories (Perth) - Secondary analysis will be undertaken by Eurofins ARL (Perth). Laboratory LORs will be suitable to meet the relevant adopted assessment levels (0.01 µg/L).

4.2.2 Surface Water Sampling Methodology

The methodology for the surface water monitoring is detailed in Table 4-5.

Table 4-5 Surface Water Monitoring

Item	Details
Field parameters	Surface water physiochemical parameters (i.e. pH, electrical conductivity (EC), oxidation reduction potential (ORP), dissolved oxygen (DO), and temperature) will be recorded at the time of sampling using a pre-calibrated water quality meter. Field observations such as odours or sheen presence must also be recorded on field sampling sheets.
Sampling Method	Surface water samples will be collected directly into sample containers using a 'Grab' (manual) sample method via a long-handled sampling device. Where depth permits, the sample container should be positioned at least 10 cm below the surface water level and above the sediment bed and oriented with the capped opening facing downwards to avoid the collection of surface films. Samples will be decanted into the laboratory supplied sample containers. Samples will be collected in accordance with Australian/New Zealand Standards (AS/NZS 5667.1:1998) '<i>Water quality – Sampling – Guidance on the design of sampling programs, sampling techniques and the preservation and handling of samples</i>'.
Sample Collection	Water samples will be placed directly into appropriately labelled, laboratory supplied sample bottles and packed in chilled containers for delivery to the laboratory under Chain of Custody documentation.
Decontamination	All re-usable sampling equipment will be thoroughly washed using PFAS-free detergent, then double rinsed with clean water before the sample collection. Single-use nitrile gloves will be worn during sampling.
Sample identification, preservation, transport and holding times.	Each sample container will be pre-labelled by the laboratory with a unique barcode for identification. Samples will be contained in appropriately preserved laboratory supplied bottles (Teflon-free) and packed in chilled containers for delivery to the laboratory under Chain of Custody (CoC) documentation. Sample containers, preservation procedures, sample storage requirements and holding times will be undertaken in accordance with those recommended by Standards Australia (AS/NZS 5667.1:1998).
Field Records	Field records will include the following information: - Sampling time and date. - Weather conditions. - Sample Collection method. - Sampling equipment decontamination procedures where non-disposable sampling equipment is utilised. - Calibration and daily bump test records. All sample documentation including field notebooks, reporting records, COC and equipment calibration certificates and procedures will be retained within project files.
Laboratory Testing	Surface water samples will be analysed for the following: - Full PFAS analytical suite (see Appendix B). - Major anions and cations (include calcium, magnesium, sodium, potassium, chloride sulfate, alkalinity and ionic balance).
Laboratory Testing – Quality Control	Surface water QC samples will be collected at the following frequencies as detailed in the SAQP: - Field duplicate (intra-laboratory) samples at 1 per 10 water samples or 1 per batch if the batch is less than 10 samples. - Field triplicate (inter-laboratory) samples at 1 per 10 water samples should be sent to a secondary laboratory. - Rinsate blank sample at 1 per day [collected off re-used sampling equipment (e.g. interface probe)].
Laboratory Accreditation and Limits of Reporting	All surface water analysis will be undertaken by laboratories accredited by the NATA. Primary analysis will be undertaken by ALS Global Laboratories (Perth)

Item	Details
	Secondary analysis will be undertaken by Eurofins ARL (Perth). Laboratory LORs will be suitable to meet the relevant adopted assessment levels (0.01 µg/L).

4.2.3 Sediment Sampling Methodology

The methodology for sediment sampling is detailed in Table 4-6.

Table 4-6 Sediment Investigation Methodology

Item	Details
Sample Collection	Sediment samples will be collected at the sediment/water interface (0-0.1 mbgl) using hand tools (e.g. trowel, hand auger, PVC pipe etc.) with samples placed directly into appropriately labelled, laboratory supplied sample containers and packed in chilled containers for delivery to the laboratory under Chain of Custody documentation. At each sampling location, the sediment sample will be visually assessed and observations (including physical description) recorded on field data sheets.
Field Records	Field records will include the following information: - Sampling time and date. - Sample description and condition. - Weather conditions. - Sample Collection method. - Sampling equipment decontamination procedures where non-disposable sampling equipment is utilised. All sample documentation including field notebooks, reporting records, COC and equipment calibration certificates and procedures will be retained within project files.
Decontamination	All re-usable sampling equipment will be thoroughly washed using PFAS-free detergent, then double rinsed with clean water before the sample collection. Single-use nitrile gloves will be worn during sampling.
Laboratory Testing	Sediment samples will be analysed for the following: Full PFAS analytical suite (see Appendix B).
Laboratory Testing – Quality Control	Sediment QC samples will be collected at the following frequencies as detailed in the SAQP: - Field duplicate (intra-laboratory) samples greater than 1 per 10 sediment samples or 1 per batch if the batch is less than 10 samples. - Field triplicate (inter-laboratory) samples greater than 1 per 10 sediment samples should be sent to a secondary laboratory.
Laboratory Accreditation and Limits of Reporting	All sediment analysis will be undertaken by laboratories accredited by the NATA. - Primary analysis will be undertaken by ALS Global Laboratories (Perth) - Secondary analysis will be undertaken by Eurofins ARL (Perth).

4.2.4 Waste Management

All liquid wastes generated from the OMP activities will be temporarily stored on-site (in an agreed location as approved by Base Support) within either a wastewater drum or wastewater container and disposed off-site to a licensed facility. Disposal of the liquid waste is anticipated to occur once the drum(s) or container(s) are full, or as required and will be organised by Cardno.

Any solid waste generated during the sampling event will be disposed of either off-site or in appropriate bins on-site, as approved by Base Support.

4.2.5 Data Management

All data collected as part of the OMP will be managed in accordance with the DCMM Annex L (Defence, 2021). This includes:

- > The location codes, project ID, and sample naming conventions presented in the DCMM Annex L will be followed.

- > Laboratory and field data will be uploaded onto the Defence Environmental Data Management Software (EDMS (ESdat)).
- > Laboratory data will be reviewed, approved and QA/QC data reconciled in ESdat.

4.2.6 Fieldwork data collection and documentation

The data collection in the field will be completed using the following mobile applications:



ESRI FieldMap will have the OMP monitoring locations' GPS coordinates, location codes, type of media sampled and any access specific information.



ESRI Survey123 will be used for the recording of field data at each sampling location. Data collected in the application will be regularly synchronised and saved to the cloud.



ALS Compass application will be used to scan the sampling containers' barcodes, generate and submit CoCs for ALS (primary laboratory).

5 Assessment Criteria

5.1 Groundwater, seepage water and Surface Water

The assessment levels adopted for groundwater, seepage water and surface water in this OMP SAQP are based upon the Heads of Environmental Protection Authorities (HEPA) Australia and New Zealand (2020) *PFAS National Environmental Management Plan 2.0* (NEMP; HEPA 2020) and finding of previous site assessment i.e. Detailed Site Investigation (DSI) (GHD, 2018). The adopted assessment criteria for groundwater and surface water are detailed in Table 5-1.

Table 5-1 Criteria for Groundwater, Seepage Water and Surface Water

Receptor	Adopted Assessment Criteria
Ecological	99% species protection level for Fresh Water and interim Marine Water: - PFOS – 0.00023* µg/L - PFOA – 19 µg/L
Human Health	Recreational Use: - PFOS + PFHxS – 2.0 µg/L - PFOA – 10 µg/L

*The criterion of 0.00023 µg/L is lower than the laboratory level of reporting (LOR) and is somewhat impractical. However, the PFAS NEMP 2020 allows for the adoption of the laboratory LOR as a screening level rather than a quantified measurement.

5.2 Sediment

It is noted that there are currently no Australian regulatory endorsed assessment levels for risk posed to ecology or human health by PFAS in sediment.

6 Deviations from the OMP

6.1 OMP SAQP History

The changes made to the OMP SAQP since the Rev1 are documented in Table 6-1.

Table 6-1 OMP SAQP History

SAQP Version	Date	Report Section	Changes	Justification
Rev 2	21/11/2019	-	Formatting and figures updates, minor changes.	Defence review
Rev 3	18/06/2020	7	Update of assessment criteria and reference to HEPA (2020).	New guideline (HEPA, 2020)
Rev 4	10/03/2021	6.3	Table 'Wells construction details' added. Well ID update as per DCARM update (MWA0294 renamed MW211). MW063A (lost) replaced by MW233	DCARM update Defence review
		6	Methodology tables updates	
Rev 5	14/06/2021	6	Groundwater Methodology table updates	Defence review
Rev 6	16/06/2022	6	Lost monitoring well MW016 replaced by adjacent suitable monitoring well MW238	MW016 was found filled with soil due to no gatic lid covering the well. MW238 is also positioned down-gradient of the Fuel Farm (source area 2) and historical data is available as this location was sampled as part of the DSI.
Rev 7	02/11/2022	-	Methodologies & guidelines updates	Defence review, revised guideline documents
Rev 8	23/02/2023	-	Minor formatting updates	Defence review
Rev 9	01/06/2023	-	Minor updates	SAQP update
Rev 10	23/10/2023		Formatting updates	Defence review
Rev 11	13/05/2024	2	Typo corrected	SAQP review

6.2 Deviations from the OMP

Since the start of the implementation of the OMP, changes have been made to the monitoring network and sampling methodology. Details, justification and impact are presented in Table 6-2.

Table 6-2 Deviation from the OMP

SAQP Version	Deviation	Justification	Impact
Rev 3	Update of assessment criteria and reference to HEPA (2020).	Guideline update	No impact, criteria values did not change.
Rev 4	Well ID update as per DCARM update (MWA0294 renamed MW211). MW063A (lost) replaced by MW233	Compliance with DCARM OMP location replacement	No impact on OMP
Rev 6	Lost monitoring well MW016 replaced by adjacent suitable monitoring well MW238	OMP location replacement	No impact on OMP

7 References

General References

1. Australian Standard AS 4482-2005 *Guide to the investigation and sampling of sites with potentially contaminated soils, Part 1 – Non-volatile and semi-volatile compounds*.
2. *Contaminated Sites Act 2003*, Western Australia.
3. Department of Defence, 2021, *Defence Contamination Management Manual (DCMM) Annex L Data Management*.
4. Department of Defence, May 2021, *PFAS OMP Factual Report Guidance*, Version 0.2.
5. Department of Defence, October 2022, *PFAS OMP Annual Interpretive Report Guidance*, Version 0.4.
6. Department of the Environment and Energy (2017) in the *National Greenhouse and Energy Reporting Scheme Measurement Technical Guidelines for the Estimation of Emissions by Facilities in Australia*.
7. Department of Water and Environmental Regulation (DWER), 2021, *Assessment and Management of Contaminated Sites*.
8. Environmental Protection Agency (United States EPA), November 2002, Reference: EPA/240/R-02/004, *Guidance on Environmental Data Verification and Data Validation*.
9. The Heads of EPAs Australia and New Zealand (HEPA; 2020) *PFAS National Environmental Management Plan (NEMP) 2.0*, January 2020.
10. National Environment Protection Council (NEPC), 1999, *National Environmental Protection (Assessment of Site Contamination) Measure* (as amended), registered May 2013.
11. National Health and Medical Research Council (NHMRC) (2011 – updated 2022) *National Water Quality Management Strategy Australian Drinking Water Guidelines 6*, September 2022.
12. NHMRC, August 2019, *Guidance on Per and Polyfluoroalkyl Substances (PFAS) in Recreational Water*.
13. Standards Australia/Standards New Zealand (1998) AS5667.1:1998 *Water Quality – Sampling, Part 1: Guidance on the design of sampling programs, sampling techniques and the preservation and handling of samples*.
14. U.S. Environmental Protection Agency (EPA), 2000, *Guidance for the Data Quality Objectives Process* (EPA QA/G-4).
15. USEPA, 2002, *Guidance on Environmental Data Verification and Data Validation* (EPA QA/G-8).

Site Specific References

16. Cardno, April 2020, *PFAS OMP Biannual Monitoring Event Factual Report RAAF Base Learmonth*.
17. Cardno, May 2020, *PFAS OMP First Flush Sampling Event Factual Report RAAF Learmonth*.
18. Cardno, December 2020, *PFAS OMP 2020 post-summer Biannual Monitoring Event RAAF Base Learmonth*.
19. Cardno, February 2021, *PFAS OMP 2020 post-winter Biannual Monitoring Event RAAF Base Learmonth*.
20. Cardno, April 2021, *PFAS OMP First Flush Sampling Event Factual Report RAAF Learmonth*.
21. Cardno, June 2021, *PFAS OMP, 2020 Annual Interpretive Report – RAAF Base Learmonth*.
22. Cardno, August 2021, *PFAS OMP Biannual Monitoring Event Factual Report RAAF Learmonth*.
23. Cardno, April 2022, *PFAS OMP Biannual Monitoring Event Factual Report RAAF Learmonth*.
24. Cardno, September 2022, *PFAS OMP First Flush Sampling Event Factual Report RAAF Learmonth*.
25. Cardno, October 2022, *PFAS OMP Biannual Monitoring Event Factual Report RAAF Learmonth*.
26. Cardno, January 2023, *PFAS OMP Biannual Monitoring Event Factual Report RAAF Learmonth*.
27. Cardno, April 2023, *PFAS OMP 2021 Annual Interpretive Report – RAAF Base Learmonth*.
28. Cardno, September 2023, *PFAS OMP Biannual Monitoring Event Factual Report RAAF Learmonth*.
29. Department of Defence, May 2019, *RAAF Base Learmonth PFAS Management Area Plan*.
30. Department of Defence, May 2019, *RAAF Base Learmonth PFAS Ongoing Monitoring Plan*.
31. GHD, December 2018, *RAAF Base Learmonth – PFAS Investigations – Preliminary and Detailed Site Investigation Report*.
32. GHD, April 2019, *RAAF Base Learmonth – PFAS Investigations – Ecological Risk Assessment (ERA)*.



APPENDIX

A

Figures

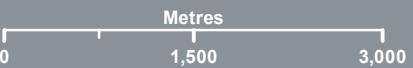


Legend

 Management Area

 RAAF Learmonth

FIGURE 1
1:60,000 Scale at A3

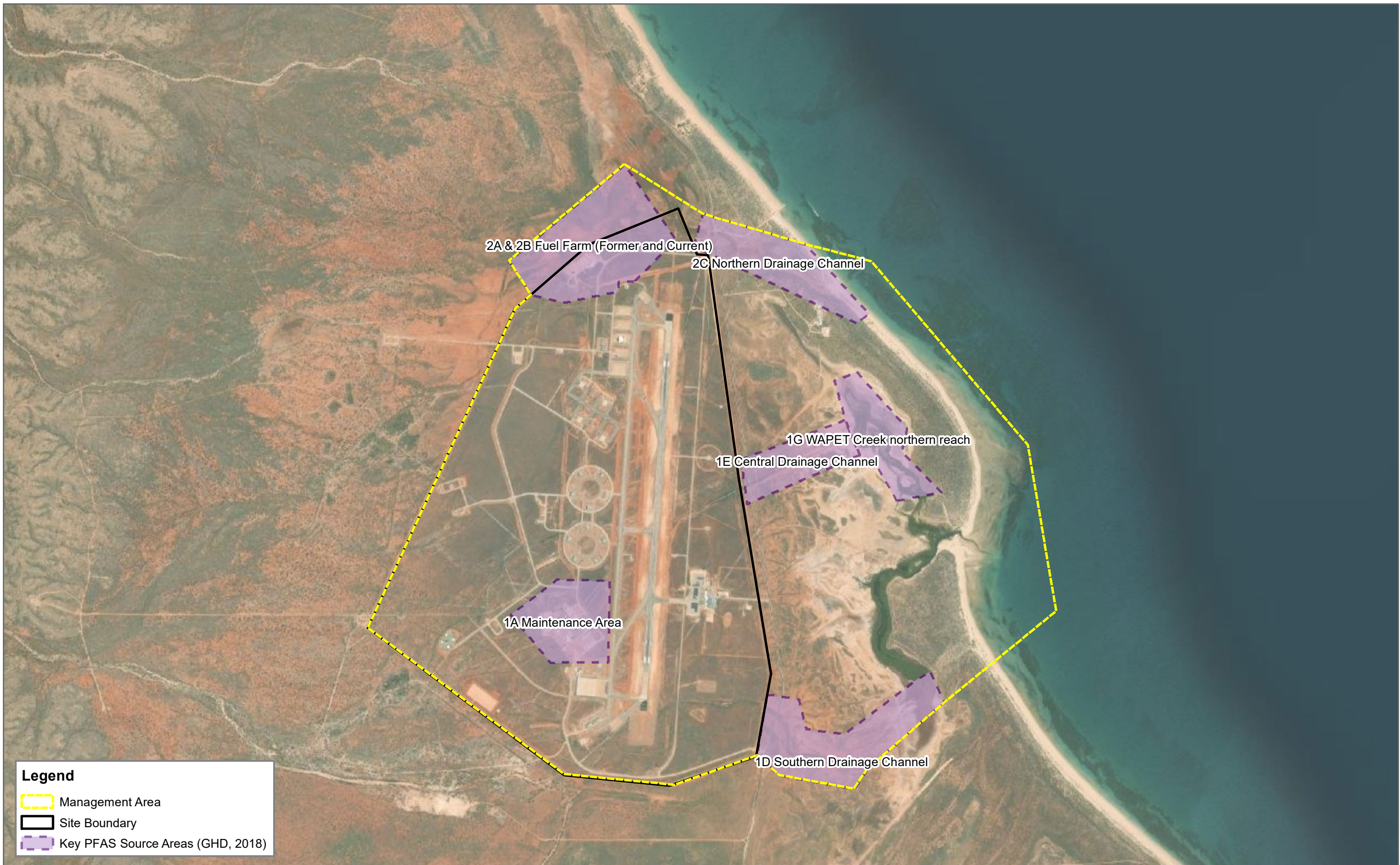


Site Location

SAMPLING AND ANALYSIS QUALITY PLAN
RAAF BASE LEARMONTH
DEPARTMENT OF DEFENCE



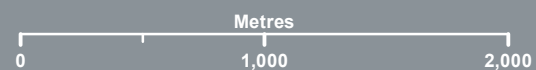
Map Produced by Cardno WA
Date: 2023-02-23 | Project: DEF19009
Coordinate System: WGS 1984 Web Mercator Auxiliary Sphere
Map: DEF19009_WA_0960-GS-001_RegionalLocation 02.mxd
Aerial Imagery Supplied by Google Earth



Legend

- Management Area
- Site Boundary
- Key PFAS Source Areas (GHD, 2018)

FIGURE 2
1:31,000 Scale at A3



Management Areas

SAMPLING AND ANALYSIS QUALITY PLAN
RAAF BASE LEARMONTH
DEPARTMENT OF DEFENCE



Map Produced by Cardno WA
Date: 2023-02-23 | Project: DEF19009
Coordinate System: WGS 1984 Web Mercator Auxiliary Sphere
Map: DEF19009_WA_0960-GS-002_ManagementAreas 02.mxd
Aerial Imagery Supplied by Google Earth

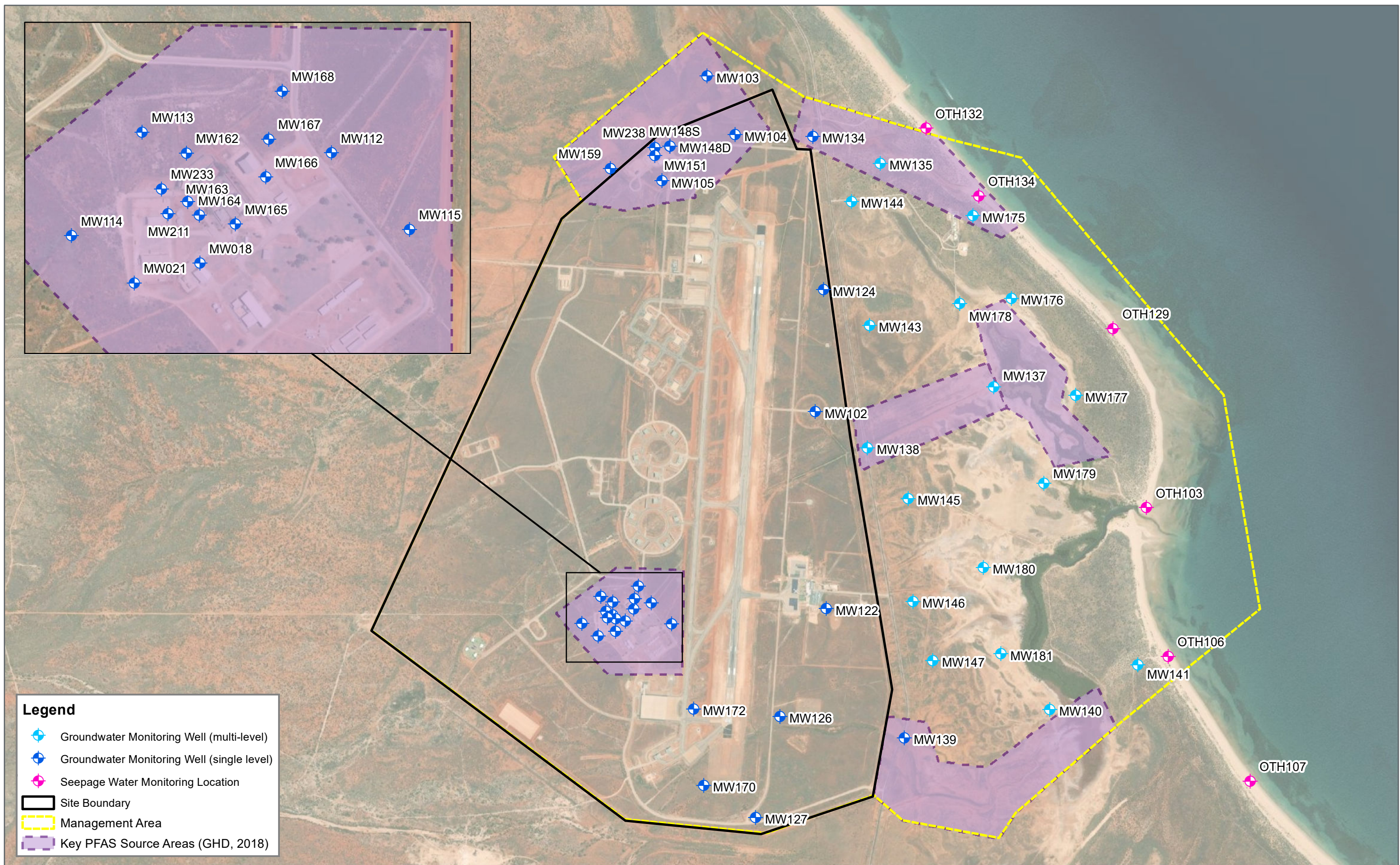


FIGURE 3
1:24,000 Scale at A3

Metres
0 1,000 2,000

Groundwater and Seepage Water Monitoring Locations

SAMPLING AND ANALYSIS QUALITY PLAN
RAAF BASE LEARMONTH
DEPARTMENT OF DEFENCE



Map Produced by Cardno WA
Date: 2023-02-23 | Project: DEF19009
Coordinate System: WGS 1984 Web Mercator Auxiliary Sphere
Map: DEF19009_WA_0960-GS-003_GroundwaterMonitoringLocations 02.mxd
Aerial Imagery Supplied by Google Earth



APPENDIX

B

Full PFAS Analytical Suite

Full PFAS Analytical Suite

Group	Analyte	CAS No.
Perfluoroalkane Sulfonic Acids	Perfluorobutane sulfonic acid (PFBS)	375-73-5
	Perfluoropentane sulfonic acid (PFPeS)	2706-91-4
	Perfluorohexane sulfonic acid (PFHxS)	355-46-4
	Perfluoroheptane sulfonic acid (PFHpS)	375-92-8
	Perfluorooctane sulfonic acid (PFOS)	1763-23-1
	Perfluorodecane sulfonic acid (PFDS)	335-77-3
Perfluoroalkane Carboxylic Acids	Perfluorobutanoic acid (PFBA)	375-22-4
	Perfluoropentanoic acid (PFPeA)	2706-90-3
	Perfluorohexanoic acid (PFHxA)	307-24-4
	Perfluoroheptanoic acid (PFHpA)	375-85-9
	Perfluorooctanoic acid (PFOA)	335-67-1
	Perfluorononanoic acid (PFNA)	375-95-1
	Perfluorodecanoic acid (PFDA)	335-76-2
	Perfluoroundecanoic acid (PFUnDA)	2058-94-8
	Perfluorododecanoic acid (PFDoDA)	307-55-1
	Perfluorotridecanoic acid (PFTrDA)	72629-94-8
	Perfluorotetradecanoic acid (PFTeDA)	376-06-7
Perfluoroalkyl Sulfonamides	Perfluorooctane sulphonamide (FOSA)	754-91-6
	N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8
	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2
	N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	2448-09-7
	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2
	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9
	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6
(n:2) Fluorotelomer Sulfonic Acids	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4
	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2
	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4
	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0

Appendix C

Analytical results



Location ID	Sample Date	Well	Well Depth (m bTOC)	Screen Interval	TOC Elevation (mAHD)	Depth to Water (m bTOC)	Groundwater Elevation (mAHD)	Temperature (°C) Field Measurement	EC (µS/cm) Field Measurement	pH Field Measurement	DO (mg/L) Field Measurement	Redox (mV) Field Measurement	TDS (mg/L) Field Measurement	Sample Comments	Sample Method
0960_MW018	43261	-	-	5.5 - 8.5	6.403	5.49	0.913	30.2	6,170	7.15	2.13	129.4	3948.8		
0960_MW018	43383	-	-	5.5 - 8.5	6.403	5.528	0.875	29.9	6,091	7.44	1.42	-	3898.24		
0960_MW018	43691	-	-	5.5 - 8.5	6.403	5.428	0.975	28.9	5,860	7.38	1.37	-	3750.4		
0960_MW018	44006	-	-	5.5 - 8.5	6.403	5.54	0.863	29.5	3,462	7.47	2.7	-52.8	2215.68		
0960_MW018	44006	-	-	5.5 - 8.5	6.403	5.54	0.863	29.5	3,462	7.47	2.7	-52.8	2215.68	Cloudy	HydraSleeve
0960_MW018	44118	-	-	5.5 - 8.5	6.403	5.655	0.748	30.3	4,283	7.25	2.85	114.8	2741.12	Clear, colourless, no odour, no sheen, very low to no sediment load	
0960_MW018	44154	-	-	5.5 - 8.5	6.403	5.7	0.703	30.8	5,026	7.67	2.99	20.8	3216.64	Cloudy,Brown	
0960_MW018	44250	-	-	5.5 - 8.5	6.403	5.675	0.728	32.2	5,921	7.21	0.93	37.5	3789.44	Slightly cloudy, colourless, no odour, no sheen, low sediment load	
0960_MW018	44370	-	-	5.5 - 8.5	6.403	5.2	1.203	26.5	3,065	7.88	3.25	136.5	1961.6	Clear,Brown	HydraSleeve
0960_MW018	44579	-	-	5.5 - 8.5	6.403	5.567	0.836	30	3,195	7.9	2.42	-47.9	2044.8		Hydrasleeve
0960_MW018	44734	-	-	5.5 - 8.5	6.403	4.97	1.433	29.8	2,889	7.93	3.06	28.9	1848.96	Cloudy,Brown	Hydrasleeve
0960_MW018	44865	-	-	5.5 - 8.5	6.403	5.16	1.243	28.3	2,680	7.87	2.33	48.2	1715.2	clear, slightly orange brown, no odour, no sheen, low sediment load	Hydrasleeve
0960_MW018	44887	-	-	5.5 - 8.5	6.403	5.23	1.173	27.6	3,202	7.48	3.42	-9	2049.28	Brown	HydraSleeve
0960_MW018	45009	-	-	5.5 - 8.5	6.403	5.567	0.836	30	3,195	7.9	2.42	-47.9	2044.8		Hydrasleeve
0960_MW018	45105	-	-	5.5 - 8.5	6.403	5.458	0.945	25.8	3,427	7.5	1.66	-6.6	2193.28		HydraSleeve
0960_MW018	45173	-	-	5.5 - 8.5	6.403	5.58	0.823	27.6	3,342	7.51	1.72	27.1	2138.88	Pale brown, turbid, chemical odour, moderate sediment load	hydrasleeve
0960_MW018	45238	-	-	5.5 - 8.5	6.403	5.759	0.644	27.5	2,938	7.74	4.39	-30	1880.32	QC117/217	HydraSleeve
0960_MW018	45434	-	-	5.5 - 8.5	6.403	5.783	0.62	32.1	3,056	7.51	2.01	77.3	1955.84		HydraSleeve
0960_MW018	45601	-	-	5.5 - 8.5	6.403	6.1	0.303	30.3	2,215	7.67	1.92	68.1	1417.6	Light orange, moderate turbidity, nil odour	Grab
0960_MW018	45601	-	-	5.5 - 8.5	6.403	6.1	0.303	30.3	2,215	7.67	1.92	68.1	1417.6	Light orange,no ordour,moderate turbidity	Grab
0960_MW018	45638	-	8.045	5.5 - 8.5	6.403	5.797	0.606	27.7	3,083	7.71	2.67	-78.9	1973.12	Clear, pale orange, no odour, no sheen, orange at bottom	o purge/hydrasleeve
0960_MW018	23/06/2025	-	8.112	5.5 - 8.5	6.403	5.365	1.038	25.2	3,085	7.61	2.94	-118.3	1,974	Orange, moderate turbidity, moderate sediment, no sheen, no odour	o purge/hydrasleeve
0960_MW021	6/03/2018	-	-	5.6 - 8.6	6.745	5.844	0.901	30.6	11,568	6.94	1.75	89.9	7,404		
0960_MW021	10/06/2018	-	-	5.6 - 8.6	6.745	5.82	0.925	30	10,640	6.88	3.12	139.8	6,810		
0960_MW021	12/10/2018	-	-	5.6 - 8.6	6.745	5.838	0.907	29.5	11,410	6.94	2.87	-	7,302		
0960_MW021	14/08/2019	-	-	5.6 - 8.6	6.745	5.769	0.976	28.8	11,099	7.1	1.8	-	7,103		
0960_MW021	26/11/2019	-	-	5.6 - 8.6	6.745	5.9	0.845	30.4	4,210	7.66	-	131	2,694		HydraSleeve
0960_MW021	24/06/2020	-	-	5.6 - 8.6	6.745	5.865	0.88	25.8	5,275	7.19	2.28	-73	3,376	QC106, QC206	
0960_MW021	24/06/2020	-	-	5.6 - 8.6	6.745	5.865	0.88	25.8	5,275	7.19	2.28	-73	3,376	Clear	HydraSleeve
0960_MW021	23/02/2021	-	-	5.6 - 8.6	6.745	6.02	0.725	31.7	7,204	5.79	2.26	119.3	4,611	Slightly cloudy, colourless, no odour, no sheen, low to moderate sediment load	
0960_MW021	23/06/2021	-	-	5.6 - 8.6	6.745	5.521	1.224	23.1	6,746	7.32	2.5	190.1	4,317	Brown	HydraSleeve
0960_MW021	23/11/2021	-	-	5.6 - 8.6	6.745	5.794	0.951	28.8	6,821	7.37	2.18	94.5	4,365	Pale orange, no odour, moderate sediment load, no sheen	HydraSleeve
0960_MW021	18/01/2022	-	-	5.6 - 8.6	6.745	5.767	0.978	31.5	3,887	8.01	3.2	104	2,488		Hydrasleeve
0960_MW021	22/06/2022	-	-	5.6 - 8.6	6.745	5.35	1.395	27.9	4,173	7.92	2.48	25.6	2,671	Clear	Hydrasleeve
0960_MW021	31/10/2022	-	-	5.6 - 8.6	6.745	5.499	1.246	25.3	2,574	7.01	3.59	55.6	1,647	red/brown, no odour, no sheen, high sediment load	Hydrasleeve
0960_MW021	22/11/2022	-	-	5.6 - 8.6	6.745	5.575	1.17	27.9	3,079	7.26	2.92	36.6	1,971		HydraSleeve
0960_MW021	24/03/2023	-	-	5.6 - 8.6	6.745	5.767	0.978	31.5	3,887	8.01	3.2	104	2,488	Brown	Hydrasleeve
0960_MW021	28/06/2023	-	-	5.6 - 8.6	6.745	5.847		27.3	3,259	7.78	2.09	7.1	2,086		HydraSleeve
0960_MW021	5/09/2023	-	-	5.6 - 8.6	6.745	5.421	1.324	29	2,932	7.8	2.57	137.2	1,876	Pale brown, slightly turbid, low sediment, load, no odour or sheen, lab matric spike taken for TRH	hydrasleeve
0960_MW021	8/11/2023	-	-	5.6 - 8.6	6.745	6.01	0.735	30.2	3,399	7.72	3.73	-37.1	2,175	QC116/216	HydraSleeve
0960_MW021	22/05/2024	-	-	5.6 - 8.6	6.745	6.092	0.653	31.1	3,170	7.72	3.59	88.1	2,029		HydraSleeve
0960_MW021	5/11/2024	-	-	5.6 - 8.6	6.745	6.1	0.645	31.3	2,508	7.89	2.57	64.8	1,605	Light orange, moderate turbidity, nil odour	Grab
0960_MW021	5/11/2024	-	-	5.6 - 8.6	6.745	6.1	0.645	31.3	2,508	7.89	2.57	64.8	1,605	Light orange,no ordour,moderate turbidity	Grab
0960_MW021	12/12/2024	-	7.295	5.6 - 8.6	6.745	6.135	0.61	29.5	4,731	7.63	2.09	-75.4	3,028	Colourless, clear, no odour, no sheen	o purge/hydrasleeve
0960_MW021	23/06/2025	-	7.358	5.6 - 8.6	6.745	5.723	1.022	21.6	2,822	7.88	3.2	-76.2	1,806	Pale yellow, moderately turbid, low sediment, no sheen, no odour	o purge/hydrasleeve
0960_MW102	9/06/2018	-	-	2.5 - 8.5	4.6266	4.512	0.115	30.1	100,165	6.75	0.13	97.3	64,106		
0960_MW102	2/12/2019	-	-	2.5 - 8.5	4.6266	4.12	0.507	29.8	95,137	6.82	1.61	8.5	60,888	Cloudy,Brown	HydraSleeve
0960_MW102	24/06/2020	-	-	2.5 - 8.5	4.6266	4.506	0.121	30	88,788	7.02	3.17	49.1	56,824		
0960_MW102	24/06/2020	-	-	2.5 - 8.5	4.6266	4.506	0.121	30	88,788	7.02	3.17	49.1	56,824	Brown	HydraSleeve
0960_MW102	19/11/2020	-	-	2.5 - 8.5	4.6266	4.66	-0.033	28.9	98,424	6.8	0.7	56.4	62,991	Brown,Cloudy	
0960_MW102	23/06/2021	-	-	2.5 - 8.5	4.6266	4.163	0.464	25.4	90,727	6.95	16.2	72.4	58,065	Brown	HydraSleeve
0960_MW102	18/01/2022	-	-	2.5 - 8.5	4.6266	4.49	0.137	28.4	89,930	7.02	0.72	137	57,555		Hydrasleeve
0960_MW102	22/06/2022	-	-	2.5 - 8.5	4.6266	3.795	0.832	27.9	88,214	7.06	0.98	56.2	56,457	Cloudy	Hydrasleeve
0960_MW102	22/11/2022	-	-	2.5 - 8.5	4.6266	4.37	0.257	28.7	88,291	7.03	1.71	-109.4	56,506	Cloudy,Brown	HydraSleeve
0960_MW102	24/03/2023	-	-	2.5 - 8.5	4.6266	4.49	0.137	28.4	89,930	7.02	0.72	137	57,555	Clear	Hydrasleeve
0960_MW102	28/06/2023	-	-	2.5 - 8.5	4.6266	4.19	0.437	26.1	91,090	6.86	2.3	-106	58,298	Brown	HydraSleeve
0960_MW102	8/11/2023	-	-	2.5 - 8.5	4.6266	4.67	-0.043	28.8	90,284	6.87	0.48	-73.6	57,782	Cloudy	HydraSleeve
0960_MW102	23/05/2024	-	-	2.5 - 8.5	4.6266	3.98	0.647	27.6	95,517	6.86	-	127.7	61,131	Brown	HydraSleeve
0960_MW102	12/12/2024	-	8.31	2.5 - 8.5	4.6266	4.684	-0.057	30.7	91,712	6.92	0.77	-81.2	58,696	pale yellow, orange at bottom, low fine sediment, no odour, no sheen, low to	o purge/hydrasleeve
0960_MW102	25/06/2025	-	8.24	2.5 - 8.5	4.6266	4.31	0.317	28.2	90,306	6.84	0.56	-74.2	57,796	Pale orange, moderate turbidity, low sediment load, no odour, no sheen	o purge/hydrasleeve
0960_MW103	15/06/2018	-	-	1 - 5.8	2.2785	2.141	0.138	29.7	75,220	6.82	0.13	-59.9	48,141		
0960_MW103	30/11/2019	-	-	1 - 5.8	2.2785	2.37	-0.091	31.4	80,068	6.82	1	-59.7	51,244	Cloudy,Brown	HydraSleeve
0960_MW103	24/06/2020	-	-	1 - 5.8	2.2785	2.057	0.222	29.2	76,604	6.85	0.56	-142.1	49,027		
0960_MW103	24/06/2020	-	-	1 - 5.8	2.2785	2.057	0.222	29.2	76,604	6.85	0.56	-142.1	49,027	Black	HydraSleeve
0960_MW103	20/11/2020	-	-	1 - 5.8	2.2785	2.328	-0.049	28.9	79,683	6.66	0.53	-93.3	50,997	Cloudy,Brown	
0960_MW103	23/06/2021	-	-	1 - 5.8	2.2785	1.605	0.674	26	77,824	6.87	0.78	-76.6	49,807	Clear	HydraSleeve
0960_MW103	18/01/2022	-	-	1 - 5.8	2.2785	2.335	-0.056	29.4	76,112	7.2	3.42	-21.8	48,712		Hydrasleeve
0960_MW103	23/11/2022	-	-	1 - 5.8	2.2785	2.14	0.139	26.7	78,218	7.15	0.93	-99.5	50,060	Cloudy,Black	HydraSleeve
0960_MW103	24/03/2023	-	-	1 - 5.8	2.2785	2.335	-0.056	29.4	76,112	7.2	3.42	-21.8	48,712		Hydrasleeve
0960_MW103	28/06/2023	-	-	1 - 5.8	2.2785	2.03	0.249	24.7	70,201	6.96	1.3	-112.4	44,929	Brown, hydrocarbon odour	HydraSleeve
0960_MW103	8/11/2023	-	-	1 - 5.8	2.2785	2.385	-0.106	28.6	74,885	6.82	0.7	-11.2	47,926	Cloudy,Brown	HydraSleeve
0960_MW103	23/05/2024	-	-	1 - 5.8	2.2785	2.24	0.038	29	78,162	6.86	-	153	50,024	Brown	HydraSleeve
0960_MW103	13/12/2024	-	6	1 - 5.8	2.2785	2.414	-0.135	31.3	75,508	6.8	0.73	-75.3	48,325	Pale orange, moderate sediment load, orange at bottom, no odour, no sheen,	o purge/hydrasleeve
0960_MW103	24/06/2025	-	6.97	1 - 5.8	2.2785	1.9	0.379	24.7	75,311	6.86	0.82	-165.5	48,199	Pale grey, low turbidity, moderate sediment, slight organic odour, no sheen	o purge/hydrasleeve
0960_MW104	14/06/2018	-	-	1 - 6.5	2.7256	2.56	0.166	29.8	85,415	6.97	0.04	-83.2	54,666		
0960_MW104	29/11/2019	-	-	1 - 6.5	2.7256	2.7	0.02								



Location ID	Sample Date	Well	Well Depth (m bTOC)	Screen Interval	TOC Elevation (mAHD)	Depth to Water (m bTOC)	Groundwater Elevation (mAHD)	Temperature (°C) Field Measurement	EC (µS/cm) Field Measurement	pH Field Measurement	DO (mg/L) Field Measurement	Redox (mV) Field Measurement	TDS (mg/L) Field Measurement	Sample Comments	Sample Method
0960 MW104	24/03/2023	-	-	1 - 6.5	2.7256	2.59	0.136	29.2	82,320	7.19	2.18	37.3	52,685		HydraSleeve
0960 MW104	28/06/2023	-	-	1 - 6.5	2.7256	2.585	0.141	26.4	75,870	7.08	1.07	39.7	48,557	Cloudy	HydraSleeve
0960 MW104	8/11/2023	-	-	1 - 6.5	2.7256	2.745	-0.019	28.2	80,177	7.02	0.69	15.8	51,313	Clear	HydraSleeve
0960 MW104	22/05/2024	-	-	1 - 6.5	2.7256	2.59	0.136	28.7	82,509	7.04	-	-73.2	52,806	Brown	HydraSleeve
0960 MW104	13/12/2024	-	6.107	1 - 6.5	2.7256	2.77	-0.044	29.2	79,841	7.03	1.01	-85.4	51,098	Colourless, no odour, no sheen, pale orange at bottom, low sediment load	o purge/hydrasleeve
0960 MW104	24/06/2025	-	6.084	1 - 6.5	2.7256	2.31	0.416	23.5	79,946	7.04	0.7	-144.6	51,165	Pale yellow-orange, moderate turbidity, moderate sediment, no odour, no sheen	o purge/hydrasleeve
0960 MW105	13/06/2018	-	-	2 - 8	3.7272	3.4	0.327	29.9	48,895	6.69	0.15	108.3	31,293		
0960 MW105	10/10/2018	-	-	2 - 8	3.7272	3.458	0.269	28.9	46,998	7.12	0.52	-	30,079		
0960 MW105	29/11/2019	-	-	2 - 8	3.7272	3.54	0.187	30.5	21,924	6.91	2.38	-80.3	14,031	Sampled twice	HydraSleeve
0960 MW105	2/12/2019	-	-	2 - 8	3.7272	3.5	0.227	32.9	48,900	6.95	2.09	-160.3	31,296	Sampled twice	HydraSleeve
0960 MW105	23/06/2021	-	-	2 - 8	3.7272	3.05	0.677	22.9	44,390	7	2.31	1.5	28,410	Clear	HydraSleeve
0960 MW105	18/01/2022	-	-	2 - 8	3.7272	3.24	0.487	27.8	45,186	6.91	1.11	106.3	28,919	116/216	HydraSleeve
0960 MW105	22/06/2022	-	-	2 - 8	3.7272	2.71	1.017	27.5	46,173	6.85	0.8	33	29,551		HydraSleeve
0960 MW105	22/11/2022	-	-	2 - 8	3.7272	3.18	0.547	28.9	45,273	6.9	1.49	-106.9	28,975	Cloudy,Brown	HydraSleeve
0960 MW105	24/03/2023	-	-	2 - 8	3.7272	3.24	0.487	27.8	45,186	6.91	1.11	106.3	28,919	Cloudy,Brown	HydraSleeve
0960 MW105	28/06/2023	-	-	2 - 8	3.7272	3.31	0.417	27.4	45,540	6.89	1.23	48	29,146	Cloudy	HydraSleeve
0960 MW105	6/09/2023	-	-	2 - 8	3.7272	3.528	0.199	27	44,130	6.82	0.66	-11.3	28,243	Orange, moderately turbid, moderate sediment load, no odour, no sheen	hydrasleeve
0960 MW105	8/11/2023	-	-	2 - 8	3.7272	3.59	0.137	29.7	46,065	6.85	1.06	-141.5	29,482	Cloudy,Brown	HydraSleeve
0960 MW105	22/05/2024	-	-	2 - 8	3.7272	3.45	0.277	27.7	44,308	6.87	-	-208.6	28,357		HydraSleeve
0960 MW105	7/11/2024	-	-	2 - 8	3.7272	3.9	-0.173	30.8	35,603	6.75	1.43	99.3	22,786	Light orange,low turbidity, nil odour	Grab
0960 MW105	7/11/2024	-	-	2 - 8	3.7272	3.9	-0.173	30.8	35,603	6.75	1.43	99.3	22,786	Light orange,no ordour,low turbidity	Grab
0960 MW105	13/12/2024	-	7.744	2 - 8	3.7272	3.635	0.092	30.8	44,934	6.8	0.6	-87.4	28,758	Pale yellow, slight to .oderate turbidity, no odour, no sheen, low to moderate	o purge/hydrasleeve
0960 MW105	24/06/2025	-	6.998	2 - 8	3.7272	3.285	0.442	23.3	45,305	6.86	0.85	-132	28,995	Pale yellow-orange, moderate turbidity, moderate sediment, no odour, no sheen	o purge/hydrasleeve
0960 MW112	8/06/2018	-	-	3 - 8	5.1191	4.382	0.737	30.4	16,229	6.74	1.26	93.5	10,387		
0960 MW112	26/11/2019	-	-	3 - 8	5.1191	4.53	0.589	30.3	15,268	6.98	2.86	142.8	9,772		HydraSleeve
0960 MW112	25/06/2020	-	-	3 - 8	5.1191	4.39	0.729	28.7	15,350	7.07	1.89	61.7	9,824		
0960 MW112	25/06/2020	-	-	3 - 8	5.1191	4.39	0.729	28.7	15,350	7.07	1.89	61.7	9,824	Brown	HydraSleeve
0960 MW112	19/11/2020	-	-	3 - 8	5.1191	4.55	0.569	29.2	15,058	7.32	2.39	46.6	9,637		
0960 MW112	24/06/2021	-	-	3 - 8	5.1191	4.054	1.065	23.6	12,943	7.26	3.36	50.6	8,284	Brown	HydraSleeve
0960 MW112	18/01/2022	-	-	3 - 8	5.1191	4.316	0.803	29.2	12,869	7.2	2.85	125.9	8,236		HydraSleeve
0960 MW112	22/06/2022	-	-	3 - 8	5.1191	3.88	1.239	27.7	12,559	7.17	0.88	-183.2	8,038	Clear	HydraSleeve
0960 MW112	22/11/2022	-	-	3 - 8	5.1191	3.69	1.429	28.7	11,751	6.63	2.09	-20	7,521	Brown	HydraSleeve
0960 MW112	24/03/2023	-	-	3 - 8	5.1191	4.316	0.803	29.2	12,869	7.2	2.85	125.9	8,236	Clear	HydraSleeve
0960 MW112	28/06/2023	-	-	3 - 8	5.1191	4.34	0.779	28.8	11,397	7.15	1.85	24.9	7,294	Clear	HydraSleeve
0960 MW112	8/11/2023	-	-	3 - 8	5.1191	4.52	0.599	29.7	11,448	7.26	3.34	-92.8	7,327	Brown	HydraSleeve
0960 MW112	22/05/2024	-	-	3 - 8	5.1191	5.056	0.063	30.9	10,894	7.02	1.65	114.7	6,972		HydraSleeve
0960 MW112	12/12/2024	-	6.957	3 - 8	5.1191	4.645	0.474	29	11,160	7.24	3.1	-93.3	7,142	Colourless, no odour, no sheen, low to no sediment load, pale orange at bottom	o purge/hydrasleeve
0960 MW112	23/06/2025	-	6.98	3 - 8	5.1191	4.238	0.881	28.6	10,399	7.06	0.72	-205.1	6,655	Very pale yellow, moderate turbidity, low sediment, no odour, no sheen	o purge/hydrasleeve
0960 MW113	14/06/2018	-	-	4 - 10	7.3165	6.39	0.926	29.9	11,226	6.78	1.55	97.1	7,185		
0960 MW113	15/10/2018	-	-	4 - 10	7.3165	6.441	0.876	30.2	11,153	7.38	1.98	-	7,138		
0960 MW113	29/11/2019	-	-	4 - 10	7.3165	6.56	0.756	29.3	12,161	7.26	4.79	-37.3	7,783	Brown	HydraSleeve
0960 MW113	24/06/2020	-	-	4 - 10	7.3165	6.46	0.856	28.9	10,297	6.74	2.5	-51.7	6,590	Clear	HydraSleeve
0960 MW113	25/06/2020	-	-	4 - 10	7.3165	6.46	0.856	28.9	10,297	6.74	2.5	-51.7	6,590		
0960 MW113	15/10/2020	-	-	4 - 10	7.3165	6.585	0.731	30.7	11,285	6.76	3.55	145.8	7,222	Cloudy, orange/brown, no ododur, no sheen, moderate sediment load	
0960 MW113	19/11/2020	-	-	4 - 10	7.3165	6.6	0.716	30.3	12,515	7.33	4.09	84.5	8,010	Cloudy,Brown	
0960 MW113	23/02/2021	-	-	4 - 10	7.3165	6.593	0.723	33.6	11,792	6.85	1.32	89.3	7,547	Orange, no odour, no sheen, moderate to high sediment load	
0960 MW113	23/06/2021	-	-	4 - 10	7.3165	6.1	1.216	26.2	10,527	7.06	2.6	125.1	6,737	Clear,Brown	HydraSleeve
0960 MW113	18/01/2022	-	-	4 - 10	7.3165	6.351	0.965	30.5	10,462	6.99	2.55	123.8	6,696		HydraSleeve
0960 MW113	22/06/2022	-	-	4 - 10	7.3165	5.915	1.401	28.8	10,518	7.12	2.54	42.1	6,732	Cloudy,Brown	HydraSleeve
0960 MW113	1/11/2022	-	-	4 - 10	7.3165	6.097	1.219	27.3	10,817	6.99	2.47	52.4	6,923	clear, orange, no odour, no sheen, low sediment load	HydraSleeve
0960 MW113	22/11/2022	-	-	4 - 10	7.3165	6.097	1.219	31.4	11,223	6.95	3.14	-88.8	7,183	Cloudy,Brown	HydraSleeve
0960 MW113	24/03/2023	-	-	4 - 10	7.3165	6.351	0.965	30.5	10,462	6.99	2.55	123.8	6,696	Clear	HydraSleeve
0960 MW113	28/06/2023	-	-	4 - 10	7.3165	6.264	1.052	27	12,471	6.86	1.95	5.2	7,981		HydraSleeve
0960 MW113	6/09/2023	-	-	4 - 10	7.3165	6.507	0.809	27.9	11,607	5.8	0.69	48.2	7,428	Orange, turbid, no odour, moderate to high sedimetn load	hydrasleeve
0960 MW113	8/11/2023	-	-	4 - 10	7.3165	6.57	0.746	28.5	11,154	6.9	2.42	-112.7	7,139	Brown	HydraSleeve
0960 MW113	22/05/2024	-	-	4 - 10	7.3165	6.629	0.688	30.8	11,798	6.77	2.99	107.9	7,551		HydraSleeve
0960 MW113	7/11/2024	-	-	4 - 10	7.3165	6.7	0.616	34.5	9,040	6.88	2.05	69.7	5,786	Dark orange, moderate turbidity, nil odour	Grab
0960 MW113	7/11/2024	-	-	4 - 10	7.3165	6.7	0.616	34.5	9,040	6.88	2.05	69.7	5,786	Dark orange,no ordour,moderate turbidity	Grab
0960 MW113	12/12/2024	-	10.295	4 - 10	7.3165	6.695	0.621	27.6	10,507	6.87	2.07	-99.5	6,724	Clear, colourless, no odour, no sheen, no turbidity	o purge/hydrasleeve
0960 MW113	23/06/2025	-	9.234	4 - 10	7.3165	6.295	1.021	26.5	12,060	6.8	1.65	-126.4	7,718	Pale orange, moderate turbidity, moderate sediment, no sheen, organic odour, roots present	o purge/hydrasleeve
0960 MW114	10/06/2018	-	-	4 - 10	7.7467	6.791	0.956	26.7	9,566	7.03	0.78	123.4	6,122		
0960 MW114	26/11/2019	-	-	4 - 10	7.7467	6.95	0.797	34.4	4,991	7	5.66	131.3	3,194		HydraSleeve
0960 MW114	24/06/2020	-	-	4 - 10	7.7467	6.835	0.912	26.3	8,455	6.91	1.78	10.7	5,411	Clear	HydraSleeve
0960 MW114	25/06/2020	-	-	4 - 10	7.7467	6.835	0.912	26.3	8,455	6.91	1.78	10.7	5,411		
0960 MW114	19/11/2020	-	-	4 - 10	7.7467	7.04	0.707	27.7	10,704	7.26	2.89	125.3	6,851	Clear	
0960 MW114	23/06/2021	-	-	4 - 10	7.7467	6.53	1.217	24	8,998	7.2	2.61	142.6	5,759	Clear	HydraSleeve
0960 MW114	18/01/2022	-	-	4 - 10	7.7467	6.542	1.205	29.4	8,863	7.19	2.16	114.1	5,672		HydraSleeve
0960 MW114	22/06/2022	-	-	4 - 10	7.7467	6.32	1.427	28.7	8,931	7.14	1.4	34.7	5,716	Cloudy,Brown	HydraSleeve
0960 MW114	1/11/2022	-	-	4 - 10	7.7467	6.485	1.262	23.5	9,030	7.28	2.53	57.7	5,779	clear, slightly orange/brown, no odour, no sheen, low sediment load	HydraSleeve
0960 MW114	22/11/2022	-	-	4 - 10	7.7467	6.485	1.262	28	9,109	6.26	2.56	18.3	5,830	Brown	HydraSleeve
0960 MW114	24/03/2023	-	-	4 - 10	7.7467	6.542	1.205	29.4	8,863	7.19	2.16	114.1	5,672	Clear,Cloudy	HydraSleeve
0960 MW114	28/06/2023	-	-	4 - 10	7.7467	6.81	0.937	27.6	8,765	6.94	2.26	11.9	5,610		HydraSleeve
0960 MW114	6/09/2023	-	-	4 - 10	7.7467	6.895	0.852	30.7	9,365	7.01	1.34	114.4	5,994	Pale orange, slightly turbid, low sediment load, no odour or sheen	hydrasleeve
0960 MW114	8/11/2023	-	-	4 - 10	7.7467	7.168	0.579	29.5	8,899	6.98	1.85	-83.2	5,695	Cloudy	HydraSleeve
0960 MW114	22/05/2024	-	-	4 - 10	7.7467	7.015	0.732	30.4	8,876	6.9	3.84	111.2	5,681		HydraSleeve
0960 MW114	7/11/2024	-	-	4 - 10	7.7467	7.3	0.447	32.6	7,353	7.05	1.6	94.3	4,706	Light orange, low turbidity,nil odour	Grab
0960 MW114	12/12														



Location ID	Sample Date	Well	Well Depth (m bTOC)	Screen Interval	TOC Elevation (mAHD)	Depth to Water (m bTOC)	Groundwater Elevation (mAHD)	Temperature (°C) Field Measurement	EC (µS/cm) Field Measurement	pH Field Measurement	DO (mg/L) Field Measurement	Redox (mV) Field Measurement	TDS (mg/L) Field Measurement	Sample Comments	Sample Method
0960 MW115	24/03/2023	-	-	3 - 8	4.9133	4.227	0.686	30.3	34.870	6.85	1.28	1,114	22,317	Clear	HydraSleeve
0960 MW115	28/06/2023	-	-	3 - 8	4.9133	4.269	0.644	28.4	34.358	6.78	1.5	6.3	21,989		HydraSleeve
0960 MW115	8/11/2023	-	-	3 - 8	4.9133	4.559	0.354	32.1	33.068	6.73	1.27	-40.9	21,164	Cloudy	HydraSleeve
0960 MW115	22/05/2024	-	-	3 - 8	4.9133	4.958	-0.045	30.4	33.542	6.7	2.66	137.8	21,467		HydraSleeve
0960 MW115	12/12/2024	-	7.865	3 - 8	4.9133	4.566	0.357	29	33.683	6.85	2.62	-96	21,557	No odour, no sheen, colourless, slight turbidity, red/orange at bottom, low sediment	o purge/hydrasleeve
0960 MW115	25/06/2025	-	7.824	3 - 8	4.9133	4.165	0.748	24.5	33.502	6.85	1.93	-32.7	21,441	Pale orange, low turbidity, moderate sediment load, no odour, no sheen	o purge/hydrasleeve
0960 MW122	15/06/2018	-	-	1.7 - 7.7	3.9702	3.68	0.29	29.8	50.547	6.97	0.65	112.2	32,350		
0960 MW122	30/11/2019	-	-	1.7 - 7.7	3.9702	3.81	0.16	30.3	34.606	7.28	1.87	-398.7	22,148		HydraSleeve
0960 MW122	25/06/2020	-	-	1.7 - 7.7	3.9702	3.93	0.04	27	33.727	7.37	0.92	40.6	21,585		
0960 MW122	25/06/2020	-	-	1.7 - 7.7	3.9702	3.93	0.04	27	33.727	7.37	0.92	40.6	21,585	Clear	HydraSleeve
0960 MW122	19/11/2020	-	-	1.7 - 7.7	3.9702	3.87	0.1	28	34.302	7.44	0.66	69.9	21,953		
0960 MW122	24/06/2021	-	-	1.7 - 7.7	3.9702	3.35	0.62	25.1	46.016	7.08	0.89	55.6	29,450	Cloudy	HydraSleeve
0960 MW122	18/01/2022	-	-	1.7 - 7.7	3.9702	3.535	0.435	28.6	44.823	7.17	1.25	25	28,687		HydraSleeve
0960 MW122	22/06/2022	-	-	1.7 - 7.7	3.9702	3.05	0.92	28.4	33.250	7.56	1.11	41.3	21,280	Cloudy,Brown	HydraSleeve
0960 MW122	22/11/2022	-	-	1.7 - 7.7	3.9702	3.405	0.565	28.6	30.644	7.45	0.68	-98.4	19,612	Cloudy	HydraSleeve
0960 MW122	24/03/2023	-	-	1.7 - 7.7	3.9702	3.535	0.435	28.6	44.823	7.17	1.25	25	28,687		HydraSleeve
0960 MW122	28/06/2023	-	-	1.7 - 7.7	3.9702	3.85	0.12	28.5	47.405	7	1.34	1	30,339		HydraSleeve
0960 MW122	8/11/2023	-	-	1.7 - 7.7	3.9702	3.8	0.17	31	21.081	7.09	1.09	-94.1	13,492	Brown	HydraSleeve
0960 MW122	22/05/2024	-	-	1.7 - 7.7	3.9702	3.882	0.088	31.1	53.332	6.87	2.94	112.8	34,132		HydraSleeve
0960 MW122	13/12/2024	-	7.365	1.7 - 7.7	3.9702	3.894	0.076	29.6	48.932	7.09	1.71	-77.4	31,316	Colourless, slightly turbid, no odour, no sheen, orange at bottom	o purge/hydrasleeve
0960 MW122	24/06/2025	-	7.34	1.7 - 7.7	3.9702	3.465	0.505	24	21.992	7.37	0.98	-146.4	14,075	Pale yellow-orange, mod turbidity, mod sediment, no odour, no sheen	o purge/hydrasleeve
0960 MW124	9/06/2018	-	-	1 - 6	2.9183	2.795	0.123	29.5	92.877	6.89	0.12	-115.7	59,441		
0960 MW124	2/12/2019	-	-	1 - 6	2.9183	2.99	-0.072	29.8	94.945	6.97	0.84	28.3	60,765	Cloudy,Brown	HydraSleeve
0960 MW124	19/11/2020	-	-	1 - 6	2.9183	2.907	0.011	29.1	93.370	6.79	1.07	75.4	59,757	Cloudy,Brown	
0960 MW124	23/06/2021	-	-	1 - 6	2.9183	2.444	0.474	24.7	52.600	7.45	3.51	13.4	33,664	Clear	HydraSleeve
0960 MW124	18/01/2022	-	-	1 - 6	2.9183	2.831	0.087	30.1	85.714	7.24	1.51	-32.6	54,857		HydraSleeve
0960 MW124	22/06/2022	-	-	1 - 6	2.9183	1.998	0.92	26.6	83.833	7.33	2.47	43.4	53,653	Brown	HydraSleeve
0960 MW124	22/11/2022	-	-	1 - 6	2.9183	2.68	0.238	28	83.726	7.15	2.65	-109.4	53,585	Cloudy,Brown	HydraSleeve
0960 MW124	24/03/2023	-	-	1 - 6	2.9183	2.831	0.087	30.1	85.714	7.24	1.51	-32.6	54,857		HydraSleeve
0960 MW124	28/06/2023	-	-	1 - 6	2.9183	2.825	0.093	26.7	84.211	7.16	1.66	37.7	53,895	Cloudy	HydraSleeve
0960 MW124	8/11/2023	-	-	1 - 6	2.9183	2.96	-0.042	28	85.511	7.04	0.53	-162.9	54,727	Cloudy	HydraSleeve
0960 MW124	23/05/2024	-	-	1 - 6	2.9183	6	-3.082	28.7	89.500	7.01	-	196.4	57,280	Brown	HydraSleeve
0960 MW124	12/12/2024	-	8.31	1 - 6	2.9183	4.684	-1.766	30.7	86.722	7.17	1.91	-77.1	55,502	highly turbid, orange, no odour, no sheen, low to moderate sediment load	o purge/hydrasleeve
0960 MW124	25/06/2025	-	5.44	1 - 6	2.9183	2.585	0.333	27.5	85.099	7.16	2.89	-46	54,463	Pale orange, moderate turbidity, low sediment load, no odour, no sheen	o purge/hydrasleeve
0960 MW126	8/06/2018	-	-	2 - 8	4.5088	4.251	0.258	29.3	80.311	6.61	0.16	96.2	51,399		
0960 MW126	29/11/2019	-	-	2 - 8	4.5088	5.5	-0.991	-	25.135	7	2.18	76.8	16,086	Brown	HydraSleeve
0960 MW126	24/06/2020	-	-	2 - 8	4.5088	4.245	0.264	29	73.576	7.4	1.37	90.2	47,089	Black	HydraSleeve
0960 MW126	25/06/2020	-	-	2 - 8	4.5088	4.245	0.264	29	73.576	7.4	1.37	90.2	47,089		
0960 MW126	23/06/2021	-	-	2 - 8	4.5088	3.95	0.559	25.8	61.001	7.06	2.8	103.4	39,041	Brown	HydraSleeve
0960 MW126	18/01/2022	-	-	2 - 8	4.5088	4.09	0.419	29.8	59.812	7.09	2.04	138.1	38,280		HydraSleeve
0960 MW126	22/06/2022	-	-	2 - 8	4.5088	3.64	0.869	26.4	70.710	6.91	0.46	56.3	45,254	Clear	HydraSleeve
0960 MW126	22/11/2022	-	-	2 - 8	4.5088	3.87	0.639	28.2	63.192	7.1	1.35	-69.3	40,443	Clear	HydraSleeve
0960 MW126	24/03/2023	-	-	2 - 8	4.5088	4.09	0.419	29.8	59.812	7.09	2.04	138.1	38,280	Brown	HydraSleeve
0960 MW126	28/06/2023	-	-	2 - 8	4.5088	4.2	0.309	25.6	63.729	6.83	2.27	-93.4	40,787	Clear	HydraSleeve
0960 MW126	8/11/2023	-	-	2 - 8	4.5088	4.3	0.209	29.1	63.896	6.88	0.82	56.8	40,893	Cloudy	HydraSleeve
0960 MW126	23/05/2024	-	-	2 - 8	4.5088	3.84	0.669	29.2	67.638	6.89	-	196.5	43,288	Brown	HydraSleeve
0960 MW126	12/12/2024	-	7.557	2 - 8	4.5088	4.421	0.088	30	62.029	6.87	2.94	-64.5	39,699	Colourless, no odour, no sheen, orange at bottom, low sediment load	o purge/hydrasleeve
0960 MW126	25/06/2025	-	7.516	2 - 8	4.5088	4.092	0.417	26.9	64.800	6.82	1.84	-86.8	41,472	Orange, high turbidity, moderate sediment load, no odour, no sheen	o purge/hydrasleeve
0960 MW127	8/06/2018	-	-	2.5 - 8.5	5.6238	5.315	0.309	29.9	76.160	6.79	3.41	98.5	48,742		
0960 MW127	29/11/2019	-	-	2.5 - 8.5	5.6238	3.88	1.744	29.1	21.454	7.05	2.74	-71.4	13,731		HydraSleeve
0960 MW127	25/06/2020	-	-	2.5 - 8.5	5.6238	5.32	0.304	29.5	74.776	6.97	2.34	111.8	47,857	Brown	HydraSleeve
0960 MW127	26/06/2020	-	-	2.5 - 8.5	5.6238	5.32	0.304	29.5	74.776	6.97	2.34	111.8	47,857		
0960 MW127	19/11/2020	-	-	2.5 - 8.5	5.6238	5.29	0.334	31.4	66.878	7.22	1.52	106.8	42,802	QC109/209	
0960 MW127	23/06/2021	-	-	2.5 - 8.5	5.6238	4.85	0.774	25.3	37.527	7.2	2.2	122.7	24,017	Cloudy,Clear,Brown	HydraSleeve
0960 MW127	18/01/2022	-	-	2.5 - 8.5	5.6238	4.86	0.764	28.4	71.601	7	1.33	125.4	45,825		HydraSleeve
0960 MW127	22/06/2022	-	-	2.5 - 8.5	5.6238	4.75	0.874	25.5	68.237	6.98	1.42	81.4	43,672	Cloudy,Brown	HydraSleeve
0960 MW127	22/11/2022	-	-	2.5 - 8.5	5.6238	4.57	1.054	28.5	69.407	6.99	1.51	-91.1	44,420	Cloudy	HydraSleeve
0960 MW127	24/03/2023	-	-	2.5 - 8.5	5.6238	4.86	0.764	28.4	71.601	7	1.33	125.4	45,825	Clear	HydraSleeve
0960 MW127	28/06/2023	-	-	2.5 - 8.5	5.6238	5.915	-0.291	27.7	70.097	6.86	1.37	1.7	44,862		HydraSleeve
0960 MW127	8/11/2023	-	-	2.5 - 8.5	5.6238	5.38	0.244	29.6	69.767	6.98	2.11	-72.3	44,651	Clear	HydraSleeve
0960 MW127	23/05/2024	-	-	2.5 - 8.5	5.6238	5.799	-0.175	27.9	67.244	6.71	2.49	169.9	43,036		HydraSleeve
0960 MW127	12/12/2024	-	7.139	2.5 - 8.5	5.6238	5.532	0.092	29.8	69.923	6.99	2.93	-78.3	44,751	Highly turbid, orange, low to moderate sediment load, no odour, no sheen	o purge/hydrasleeve
0960 MW127	25/06/2025	-	7.11	2.5 - 8.5	5.6238	5.235	0.389	25.4	69.411	6.93	2.79	-35.4	44,423	Orange, high turbidity, low sediment load, no odour, no sheen	o purge/hydrasleeve
0960 MW132	15/06/2018	-	-	1.2 - 6.2	3.3918	2.77	0.622	30.5	12.567	6.69	0.34	124.3	8,043		
0960 MW132	26/06/2025	-	2.88	1.2 - 6.2	3.3918	2.802	0.59	30	9.180	6.87	0.1	-295.8	5,875	Clear, colourless, no odour, no sheen	Low flow/peri pump
0960 MW134	10/06/2018	-	-	1 - 5.7	2.5155	2.221	0.294	29.4	64.396	7.14	0.08	-98.6	41,213		
0960 MW134	29/11/2019	-	-	1 - 5.7	2.5155	5.7	-3.185	29.2	64.577	7.02	0.92	-88.3	41,329	Cloudy,Brown	HydraSleeve
0960 MW134	26/06/2020	-	-	1 - 5.7	2.5155	2.164	0.351	26.5	36.075	7.34	1.65	42.5	23,088		
0960 MW134	26/06/2020	-	-	1 - 5.7	2.5155	2.164	0.351	26.5	57.148	7.34	1.65	42.5	36,575	Brown	HydraSleeve
0960 MW134	20/11/2020	-	-	1 - 5.7	2.5155	2.4	0.115	28.7	63.692	6.95	0.92	-81.2	40,763	Cloudy,Brown	
0960 MW134	24/06/2021	-	-	1 - 5.7	2.5155	1.76	0.755	22.8	61.680	5.85	2.97	8.1	39,475	Cloudy,Brown	HydraSleeve
0960 MW134	18/01/2022	-	-	1 - 5.7	2.5155	2.226	0.289	30.3	60.099	7.3	1.28	81.6	38,463		HydraSleeve
0960 MW134	23/06/2022	-	-	1 - 5.7	2.5155	1.33	1.185	24.8	60.852	7.02	1.01	54.5	38,945	Cloudy	HydraSleeve
0960 MW134	22/11/2022	-	-	1 - 5.7	2.5155	2.21	0.305	30.6	60.866	5.97	1.55	66.4	38,954	Brown	HydraSleeve
0960 MW134	24/03/2023	-	-	1 - 5.7	2.5155	2.226	0.289	30.3	60.099	7.3	1.28	81.6	38,463	Brown	HydraSleeve
0960 MW134	28/06/2023	-	-	1 - 5.7	2.5155	2.3	0.216	25.1	61.991	7.24					



Location ID	Sample Date	Well	Well Depth (m bTOC)	Screen Interval	TOC Elevation (mAHD)	Depth to Water (m bTOC)	Groundwater Elevation (mAHD)	Temperature (°C) Field Measurment	EC (µS/cm) Field Measurment	pH Field Measurement	DO (mg/L) Field Measurement	Redox (mV) Field Measurement	TDS (mg/L) Field Measurement	Sample Comments	Sample Method
0960 MW135	16/06/2018	D	-	9 - 9.5	2.7884	2.338	0.44	28.6	51,772	7.26	0.25	-102.8	33,134		
0960 MW135	29/11/2019	A	-	2.5 - 3	2.7781	2.47	0.308	29	31,727	7.19	2.05	-4.8	20,305	Cloudy,Brown	HydraSleeve
0960 MW135	25/06/2020	A	-	2.5 - 3	2.7781	2.25	0.528	25.6	21,359	7.38	1.97	-73.8	13,670		
0960 MW135	25/06/2020	A	-	2.5 - 3	2.7781	2.25	0.528	25.6	33,200	7.38	1.97	-73.8	21,248	Brown,Cloudy	HydraSleeve
0960 MW135	21/11/2020	A	-	2.5 - 3	2.7781	2.535	0.243	28.2	38,656	7.37	1.76	-44.2	24,740	Cloudy,Brown	
0960 MW135	24/06/2021	A	-	2.5 - 3	2.7781	1.945	0.833	25.7	33,920	6.64	2.48	-13.9	21,709	Clear	HydraSleeve
0960 MW135	18/01/2022	B	-	4.5 - 5	2.7828	2.49	0.296	27.4	35,542	7.54	1.79	-19.9	22,747		
0960 MW135	23/06/2022	A	-	2.5 - 3	2.7781	1.61	1.168	26.5	35,374	7.81	3.28	44.2	22,639	Cloudy	Peristaltic Pump
0960 MW135	23/11/2022	A	-	2.5 - 3	2.7781	2.34	0.438	28.4	31,107	6.54	3.35	28.8	19,908	Brown	Peristaltic Pump
0960 MW135	24/03/2023	C	-	6.5 - 7	2.7858	2.49	0.296	27.4	35,542	7.54	1.79	-19.9	22,747	Clear	Peristaltic Pump
0960 MW135	28/06/2023	A	-	2.5 - 3	2.7781	2.42	0.358	27.4	33,238	7.29	1.33	-100.7	21,272	Brown	Peristaltic Pump
0960 MW135	8/11/2023	A	-	2.5 - 3	2.7781	2.55	0.228	33.3	33,785	7.53	2.72	-45.4	21,622	Clear	Peristaltic Pump
0960 MW135	23/05/2024	B	-	4.5 - 5	2.7828	2.79	-0.007	28.8	36,009	7.28	3.95	65.9	23,046		Peristaltic Pump
0960 MW135	17/12/2024	A	3.381	2.5 - 3	2.7781	2.48	0.298	29.3	36,173	6.94	0.09	-77.8	23,151	Clear, colourless, no odour, no sheen, no turbidity	Low flow/peri pump
0960 MW135	26/06/2025	A	3.374	2.5 - 3	2.7781	1.985	0.793	27.9	39,807	7.15	0.13	-172.2	25,476	Colourless, moderately turbid, low sediment load, no odour, no sheen	Low flow/peri pump
0960 MW137	16/06/2018	-	-	-	-	1.338	0.831	28.8	88,093	7.33	0.41	21.1	56,380		
0960 MW137	16/06/2018	A	-	0.8 - 1.3	2.1687	1.338	0.831	25.8	82,500	7.34	2.6	80.3	52,800		
0960 MW137	16/06/2018	B	-	2.5 - 3	2.1691	1.338	0.831	28.6	82,155	7.12	0.39	63.9	52,579		
0960 MW137	16/06/2018	C	-	4.5 - 5	2.2017	1.338	0.831	28.3	87,361	7.33	0.84	70.3	55,911		
0960 MW137	29/11/2019	C	-	4.5 - 5	2.2017	1.91	0.292	28.9	44,424	7.46	2	35.7	28,431		HydraSleeve
0960 MW137	24/06/2020	B	-	2.5 - 3	2.1691	1.52	0.649	24.2	78,192	7.77	1.92	55.2	50,043	Cloudy	HydraSleeve
0960 MW137	25/06/2020	B	-	2.5 - 3	2.1691	1.52	0.649	24.2	51,610	7.77	1.92	55.2	33,030		
0960 MW137	20/11/2020	B	-	2.5 - 3	2.1691	1.74	0.429	30.5	78,837	7.51	0.56	191.3	50,456		
0960 MW137	24/06/2021	B	-	2.5 - 3	2.1691	1.257	0.912	25.6	73,157	7.68	2.77	13.1	46,820	Clear	HydraSleeve
0960 MW137	18/01/2022	B	-	2.5 - 3	2.1691	1.501	0.668	32.7	41,303	7.48	3.99	-30.8	26,434		Hydrasleeve
0960 MW137	22/06/2022	A	-	0.8 - 1.3	2.1687	0.94	1.229	25.9	82,874	7.36	1.21	-186.1	53,039	Brown,Cloudy	Peristaltic Pump
0960 MW137	22/11/2022	B	-	2.5 - 3	2.1691	1.57	0.599	28	79,011	7.94	2.14	-44.6	50,567	Cloudy	Peristaltic Pump
0960 MW137	24/03/2023	B	-	2.5 - 3	2.1691	1.501	0.668	32.7	41,303	7.48	3.99	-30.8	26,434	Clear	Peristaltic Pump
0960 MW137	28/06/2023	B	-	2.5 - 3	2.1691	1.46	0.709	23.3	76,584	7.56	2.3	62.1	49,014	Cloudy	Peristaltic Pump
0960 MW137	8/11/2023	B	-	2.5 - 3	2.1691	1.74	0.429	29.2	76,255	7.13	0.66	-56.8	48,803	Cloudy	Peristaltic Pump
0960 MW137	22/05/2024	A	-	0.8 - 1.3	2.1687	1.35	0.819	27.5	81,509	7.3	3.19	119.9	52,166	Cloudy,Clear	Peristaltic Pump
0960 MW137	16/12/2024	A	1.9	0.8 - 1.3	2.1687	1.369	0.8	32.8	79,523	7.24	2.31	-94.1	50,895	Light yellow, low - moderate turbidity, no odour, no sheen, low sediment load	Low flow/peri pump
0960 MW137	16/12/2024	B	3.313	2.5 - 3	2.1691	1.369	0.8	30.6	78,576	6.94	0.04	-100.9	50,289	Light yellow/brown, moderate turbidity, no odour, no sheen, low sediment load	Low flow/peri pump
0960 MW137	16/12/2024	C	5.359	4.5 - 5	2.2017	1.369	0.8	29.9	75,621	6.91	0.1	-106.8	48,397	Brown/grey, high turbidity, no odour, no sheen, moderate sediment load	Low flow/peri pump
0960 MW137	16/12/2024	D	7.08	6.5 - 7	2.2034	1.369	0.8	29.9	76,553	7.21	0.61	-90.1	48,994	Brown/grey, high turbidity, no odour, no sheen, moderate sediment load	Low flow/peri pump
0960 MW137	24/06/2025	-	7.163	-	-	1.321	0.848	28.8	76,615	6.94	0.07	-224.5	49,034	Colourless, high turbidity, no sediment, no odour, no sheen	Low flow/peri pump
0960 MW137	24/06/2025	A	1.943	0.8 - 1.3	2.1687	1.321	0.848	26	87,081	7.29	1.93	-24.2	55,732	Colourless, no turbidity, no sediment, no odour, no sheen	Low flow/peri pump
0960 MW137	24/06/2025	B	3.37	2.5 - 3	2.1691	1.321	0.848	27.9	78,539	6.99	1.82	-174.6	50,265	Colourless, low turbidity, no sediment, no odour, no sheen	Low flow/peri pump
0960 MW137	24/06/2025	C	5.362	4.5 - 5	2.2017	1.321	0.848	29.1	76,407	6.93	0.04	-213.5	48,900	Colourless, moderate turbidity, no sediment, no odour, no sheen	Low flow/peri pump
0960 MW138	12/03/2018	B	-	5 - 5.5	3.3166	3.16	0.147	30	79,067	7.38	0.75	-190.4	50,603		
0960 MW138	12/03/2018	C	-	7 - 7.5	3.3205	3.16	0.147	30	83,497	7.36	0.55	-103.2	53,438		
0960 MW138	12/03/2018	D	-	9 - 9.5	3.3224	3.16	0.147	30.2	72,441	7.38	0.66	-175.4	46,362		
0960 MW138	16/06/2018	A	-	3 - 3.5	3.3074	3.17	0.137	29.4	40,029	7.57	3.56	-19	25,619		
0960 MW138	16/06/2018	B	-	5 - 5.5	3.3166	3.17	0.137	29.9	95,278	7.07	0.21	-84.2	60,978		
0960 MW138	16/06/2018	C	-	7 - 7.5	3.3205	3.17	0.137	29.6	103,810	6.91	0.07	-119.1	66,438		
0960 MW138	16/06/2018	D	-	9 - 9.5	3.3224	3.17	0.137	29.5	109,663	7.04	0.14	-122.8	70,184		
0960 MW138	29/11/2019	B	-	5 - 5.5	3.3166	3.41	-0.093	29.4	72,287	7.31	1.95	-18.6	46,264		HydraSleeve
0960 MW138	24/06/2020	A	-	3 - 3.5	3.3074	3.3	0.007	29.4	78,021	7.36	0.75	-99.1	49,933	Cloudy,Brown	HydraSleeve
0960 MW138	25/06/2020	A	-	3 - 3.5	3.3074	3.3	0.007	29.4	46,800	7.36	0.75	-99.1	29,952		
0960 MW138	20/11/2020	C	-	7 - 7.5	3.3205	3.38	-0.059	29.6	55,967	7.71	1.12	232.9	35,819		
0960 MW138	24/06/2021	A	-	3 - 3.5	3.3074	2.865	0.442	27.4	41,420	7.31	0.85	-177.2	26,509	Clear	HydraSleeve
0960 MW138	18/01/2022	A	-	3 - 3.5	3.3074	3.269	0.038	30.5	43,189	7.4	2.36	-172.1	27,641		Hydrasleeve
0960 MW138	22/06/2022	A	-	3 - 3.5	3.3074	2.145	1.162	27.9	44,998	7.39	2.77	71	28,799	Cloudy,Brown	Peristaltic Pump
0960 MW138	22/11/2022	A	-	3 - 3.5	3.3074	3.01	0.297	28.2	42,775	7.28	2.01	-52.4	27,376	Brown	Peristaltic Pump
0960 MW138	24/03/2023	A	-	3 - 3.5	3.3074	3.269	0.038	30.5	43,189	7.4	2.36	-172.1	27,641	Clear to brown water	Hydrasleeve
0960 MW138	16/12/2024	B	5.5	5 - 5.5	3.3166	0	0	30.7	78,573	7.03	0.08	-78.7	50,287	pale brown, moderately turbid, no odour, no sheen, low sediment load	Low flow/peri pump
0960 MW139	16/06/2018	-	-	2 - 7	4.1386	3.861	0.278	29.6	83,408	6.89	0.05	80.5	53,381		
0960 MW139	29/11/2019	-	-	2 - 7	4.1386	3.95	0.189	29.4	41,690	7.57	3.99	16.3	26,682		HydraSleeve
0960 MW139	24/06/2020	-	-	2 - 7	4.1386	1.67	2.469	25.7	71,923	7.07	1.24	66	46,031	Clear	HydraSleeve
0960 MW139	25/06/2020	-	-	2 - 7	4.1386	1.67	2.469	25.7	46,215	7.07	1.24	66	29,578		
0960 MW139	21/11/2020	-	-	2 - 7	4.1386	4.03	0.109	28.2	53,232	9.83	0.64	-	34,068		
0960 MW139	24/06/2021	-	-	2 - 7	4.1386	3.46	0.679	25.8	69,914	6.99	0.45	126	44,745	Cloudy	HydraSleeve
0960 MW139	18/01/2022	-	-	2 - 7	4.1386	3.779	0.36	28.4	63,060	7.12	1.11	-67.8	40,358		Hydrasleeve
0960 MW139	22/06/2022	-	-	2 - 7	4.1386	3	1.139	29.9	67,196	6.95	0.4	38.3	43,005	Clear	Hydrasleeve
0960 MW139	22/11/2022	-	-	2 - 7	4.1386	3.595	0.544	28.8	61,883	7.17	0.62	-107	39,605	Cloudy	HydraSleeve
0960 MW139	24/03/2023	-	-	2 - 7	4.1386	3.779	0.36	28.4	63,060	7.12	1.11	-67.8	40,358	Clear	Hydrasleeve
0960 MW139	28/06/2023	-	-	2 - 7	4.1386	3.87	0.269	27	53,210	7.03	2.65	135.5	34,054	Cloudy,Brown	HydraSleeve
0960 MW139	8/11/2023	-	-	2 - 7	4.1386	3.97	0.169	29	63,137	6.07	0.58	74.1	40,408	Clear	HydraSleeve
0960 MW139	23/05/2024	-	-	2 - 7	4.1386	7	-2.861	28.3	67,076	6.89	3.65	129.6	42,929		HydraSleeve
0960 MW139	13/12/2024	-	6.483	2 - 7	4.1386	4.009	0.13	29.4	64,174	7	1.41	-83.9	41,071	Orange, moderately turbid, low sediment load, no odour, no sheen	o purge/hydrasleeve
0960 MW139	24/06/2025	-	6.51	2 - 7	4.1386	3.615	0.524	27.2	49,740	7.22	3.81	86.1	31,834	Orange, moderate turbidity, moderate sediment, no odour, no sheen	o purge/hydrasleeve
0960 MW140	16/06/2018	A	-	1.5 - 2	2.4916	1.946	0.546	27	103,198	7.02	0.22	3.7	66,047		
0960 MW140	16/06/2018	B	-	3.5 - 4	2.5035	1.946	0.546	28.7	105,617	6.94	0.23	7.7	67,595		
0960 MW140	16/06/2018	C	-	6 - 6.5	2.5081	1.946	0.546	28.5	97,766	6.89	0.04	-49.1	62,570		
0960 MW140	16/06/2018	D	-	8.5 - 9	2.5345	1.946	0.546	28.5	87,081	6.96	0.04	-88.6	55,732		
0960 MW140	29/11/2019	B	-	3.5 - 4	2.5035	2	0.503	29	938	6.7	9.5	214	600		HydraSleeve
0960 MW140	24/06/2020	B	-	3.5 - 4	2.503										



Location ID	Sample Date	Well	Well Depth (m bTOC)	Screen Interval	TOC Elevation (mAHD)	Depth to Water (m bTOC)	Groundwater Elevation (mAHD)	Temperature (°C) Field Measurement	EC (µS/cm) Field Measurement	pH Field Measurement	DO (mg/L) Field Measurement	Redox (mV) Field Measurement	TDS (mg/L) Field Measurement	Sample Comments	Sample Method
0960 MW140	16/01/2025	A	2.51	1.5 - 2	2.4916	1.665	0.827	33.2	101,400	7.02	0.37	72.2	64,896	No sample comments due to field error	Low flow/peri pump
0960 MW140	28/06/2025	A	2.53	1.5 - 2	2.4916	1.64	0.852	26.2	108,714	7.22	1.6	31.4	69,577	Colourless, low turbidity, low sediment load, no odour, no sheen	Low flow/peri pump
0960 MW141	8/03/2018	A	-	1.5 - 2	2.7999	2.1	0.7	31.2	38,330	7.32	2.45	-144	24,531		
0960 MW141	8/03/2018	B	-	3 - 3.5	2.8073	2.1	0.7	30.1	39,699	7.07	0.25	-160.9	25,407		
0960 MW141	8/03/2018	C	-	5 - 5.5	2.8141	2.1	0.7	30.2	40,295	7.53	1.1	-212.2	25,789		
0960 MW141	8/03/2018	D	-	7 - 7.5	2.8224	2.1	0.7	29.8	41,836	7.67	0.71	-209.4	26,775		
0960 MW141	16/06/2018	A	-	1.5 - 2	2.7999	2.141	0.659	29.2	35,926	7.42	2.08	39.4	22,993		
0960 MW141	16/06/2018	B	-	3 - 3.5	2.8073	2.141	0.659	28.1	37,426	6.97	0.13	-90.1	23,953		
0960 MW141	16/06/2018	C	-	5 - 5.5	2.8141	2.141	0.659	28.2	41,130	7.14	0.06	-221.9	26,323		
0960 MW141	16/06/2018	D	-	7 - 7.5	2.8224	2.141	0.659	28.1	49,665	7.28	0.23	-129.4	31,786		
0960 MW141	29/11/2019	B	-	3 - 3.5	2.8073	2.3	0.507	30.9	43,833	7.18	1.78	-398.5	28,053		HydraSleeve
0960 MW141	24/06/2020	B	-	3 - 3.5	2.8073	2.25	0.557	24.7	23,094.5	7.38	1.01	-107.4	14,780		
0960 MW141	24/06/2020	B	-	3 - 3.5	2.8073	2.25	0.557	24.7	35,323	7.38	1.01	-107.4	22,607	Cloudy	HydraSleeve
0960 MW141	20/11/2020	B	-	3 - 3.5	2.8073	1.64	1.167	28.3	37,786	6.93	0.65	-134.1	24,183	Cloudy,Brown	
0960 MW141	24/06/2021	D	-	7 - 7.5	2.8224	2.05	0.772	24.8	19,068	7.26	1.51	-80.6	12,204	Cloudy,Brown	HydraSleeve
0960 MW141	18/01/2022	C	-	5 - 5.5	2.8141	2.17	0.644	27.3	47,332	7.75	2.34	124.6	30,292		
0960 MW141	23/06/2022	A	-	1.5 - 2	2.7999	1.745	1.055	24.6	40,799	7.66	2.85	51.4	26,111	Cloudy	Peristaltic Pump
0960 MW141	23/11/2022	B	-	3 - 3.5	2.8073	2.23	0.577	26.7	36,399	7.23	0.81	-98.8	23,295	Cloudy,Brown	Peristaltic Pump
0960 MW141	24/03/2023	C	-	5 - 5.5	2.8141	2.17	0.644	27.3	47,332	7.75	2.34	124.6	30,292	Clear	Peristaltic Pump
0960 MW141	28/06/2023	B	-	3 - 3.5	2.8073	2.24	0.574	23.8	31,191	7.15	1.07	-25.9	19,962	Cloudy,Brown	Peristaltic Pump
0960 MW141	8/11/2023	B	-	3 - 3.5	2.8073	2.34	0.474	30.1	38,569	7.33	3.5	-85.5	24,684	Brown	Peristaltic Pump
0960 MW141	22/05/2024	A	-	1.5 - 2	2.7999	2.03	0.77	26.8	3,045	7.37	2.61	117.7	1,949	Cloudy,Clear	Peristaltic Pump
0960 MW141	17/12/2024	B	3.36	3 - 3.5	2.8073	2	0.8	29.5	37,543	6.99	0.1	-62.7	24,028	Light brown, highly turbid, no odour, no sheen	Low flow/peri pump
0960 MW141	17/12/2024	C	5.483	5 - 5.5	2.8141	2	0.8	29.4	41,040	6.93	0.61	-65.4	26,266	Grey, highly turbid, no odour, no sheen, moderate sediment load	Low flow/peri pump
0960 MW141	17/12/2024	D	2.861	7 - 7.5	2.8224	2	0.8	30	50,422	6.88	1.7	-34.5	32,270	Brown / grey, highly turbid, high sediment load, no odour, no sheen	Low flow/peri pump
0960 MW141	29/06/2025	A	2.274	1.5 - 2	2.7999	2	0.8	27.1	38,323	7.34	2.85	19.5	24,527	Colourless, low turbidity, no sediment, no odour, no sheen	Low flow/peri pump
0960 MW141	29/06/2025	B	3.46	3 - 3.5	2.8073	2	0.8	27.4	34,525	7	0.14	-91.4	22,096	Colourless, low turbidity, no sediment, no odour, no sheen	Low flow/peri pump
0960 MW141	29/06/2025	C	5.465	5 - 5.5	2.8141	2	0.8	27.4	37,855	6.94	0.22	-187.1	24,227	Very pale brown, low turbidity, no sediment, no odour, no sheen	Low flow/peri pump
0960 MW141	29/06/2025	D	7.282	7 - 7.5	2.8224	2	0.8	26.8	54,428	6.78	0.78	-157.8	34,834	Pale brown, high turbidity, low sediment load, no odour, no sheen	Low flow/peri pump
0960 MW143	10/03/2018	A	-	3 - 3.5	2.8174	2.715	0.102	32.7	98,591	7.37	1.06	48.5	63,098		
0960 MW143	10/03/2018	B	-	5 - 5.5	2.8204	2.715	0.102	31.9	98,077	7.34	0.49	13	62,769		
0960 MW143	10/03/2018	C	-	7 - 7.5	2.8221	2.715	0.102	31.4	98,362	7.37	0.57	-27.9	62,952		
0960 MW143	10/03/2018	D	-	9 - 9.5	2.8273	2.715	0.102	31.7	91,130	7.41	0.73	50.4	58,323		
0960 MW143	16/06/2018	A	-	3 - 3.5	2.8174	2.691	0.126	29.3	107,233	7.03	0.7	17.6	68,629		
0960 MW143	16/06/2018	B	-	5 - 5.5	2.8204	2.691	0.126	30.4	111,083	6.85	0.28	3.8	71,093		
0960 MW143	16/06/2018	C	-	7 - 7.5	2.8221	2.691	0.126	30.1	111,884	6.8	0.14	-145.7	71,606		
0960 MW143	16/06/2018	D	-	9 - 9.5	2.8273	2.691	0.126	29.9	112,784	7	0.4	-65.9	72,182		
0960 MW143	29/11/2019	A	-	3 - 3.5	2.8174	2.93	-0.113	31.2	96,237	6.92	1.69	-12.4	61,592	Cloudy,Brown	HydraSleeve
0960 MW143	24/06/2020	A	-	3 - 3.5	2.8174	2.82	-0.003	26.3	55,705	7.67	1.81	52.4	35,651		
0960 MW143	25/06/2020	A	-	3 - 3.5	2.8174	2.82	-0.003	26.3	87,884	7.67	1.81	52.4	56,246	Cloudy,Brown	HydraSleeve
0960 MW143	20/11/2020	A	-	3 - 3.5	2.8174	2.86	-0.043	31.4	86,887	7.51	1.69	128.7	55,608		
0960 MW143	24/06/2021	A	-	3 - 3.5	2.8174	1.11	1.707	28.1	49,386	6.76	4.19	132.4	31,607	Cloudy,Brown	HydraSleeve
0960 MW143	18/01/2022	A	-	3 - 3.5	2.8174	2.69	0.127	28.9	45,293	7.34	38.4	114.9	28,988		
0960 MW143	22/06/2022	A	-	3 - 3.5	2.8174	1.975	0.842	27.7	87,832	7.56	3.77	38.2	56,212	Cloudy,Brown	Peristaltic Pump
0960 MW143	23/11/2022	A	-	3 - 3.5	2.8174	2.58	0.237	27	86,170	7.13	2.16	13.7	55,149	Brown	Peristaltic Pump
0960 MW143	24/03/2023	A	-	3 - 3.5	2.8174	2.69	0.127	28.9	45,293	7.34	38.4	114.9	28,988	Brown	Peristaltic Pump
0960 MW143	28/06/2023	A	-	3 - 3.5	2.8174	2.739	0.078	27.6	87,795	7.38	2.69	7.7	56,189		
0960 MW143	8/11/2023	A	-	3 - 3.5	2.8174	2.73	0.087	31.7	4,099	7.21	4.4	-102.2	2,623	Brown	Peristaltic Pump
0960 MW143	23/05/2024	A	-	3 - 3.5	2.8174	2.859	-0.042	30.2	85,777	7.04	2.67	152.9	54,897		
0960 MW143	17/12/2024	A	3.801	3 - 3.5	2.8174	2.837	-0.02	31.6	85,788	6.29	1.02	-28	54,904	Clear, colourless, no odour, no sheen, low turbidity	Low flow/peri pump
0960 MW143	27/06/2025	A	3.825	3 - 3.5	2.8174	2.482	0.335	30.1	87,061	6.95	1.13	0.3	55,719	Colourless, low turbidity, low sediment load, no odour, no sheen	Low flow/peri pump
0960 MW144	8/03/2018	A	-	3 - 3.5	3.0481	2.778	0.27	30.3	44,616	7.37	0.52	-96.1	28,554		
0960 MW144	8/03/2018	B	-	5 - 5.5	3.052	2.778	0.27	29.6	47,463	7.2	1.27	-185.9	30,376		
0960 MW144	8/03/2018	C	-	7 - 7.5	3.0545	2.778	0.27	29.5	58,350	7.25	0.2	-133.1	37,344		
0960 MW144	8/03/2018	D	-	9 - 9.5	3.0573	2.778	0.27	29.6	62,608	7.33	0.36	-131.6	40,069		
0960 MW144	16/06/2018	A	-	3 - 3.5	3.0481	2.79	0.258	28.3	45,637	7.26	0.39	-35.4	29,208		
0960 MW144	16/06/2018	B	-	5 - 5.5	3.052	2.79	0.258	29	52,917	6.95	0.11	-116.3	33,867		
0960 MW144	16/06/2018	C	-	7 - 7.5	3.0545	2.79	0.258	28.6	69,979	6.93	0.1	-119.9	44,787		
0960 MW144	16/06/2018	D	-	9 - 9.5	3.0573	2.79	0.258	28.7	82,470	7.02	0.16	-148.3	52,781		
0960 MW144	29/11/2019	A	-	3 - 3.5	3.0481	2.5	0.548	29.2	38,912	7.02	1.16	-39.5	24,904	Cloudy,Brown	HydraSleeve
0960 MW144	24/06/2020	A	-	3 - 3.5	3.0481	2.83	0.218	25.8	23,432	7.41	2.07	8.5	14,996		
0960 MW144	25/06/2020	A	-	3 - 3.5	3.0481	2.83	0.218	25.8	36,675	7.41	2.07	8.5	23,472	Cloudy,Brown	HydraSleeve
0960 MW144	20/11/2020	A	-	3 - 3.5	3.0481	3.01	0.038	31.2	40,485	7.52	1.65	76.8	25,910		
0960 MW144	24/06/2021	A	-	3 - 3.5	3.0481	2.44	0.608	25.3	18,402	6.4	3.78	-87.7	11,777	Cloudy,Brown	HydraSleeve
0960 MW144	18/01/2022	A	-	3 - 3.5	3.0481	2.8	0.248	28.4	36,853	7.41	2.75	27.3	23,586	Hydrasleeve	
0960 MW144	22/06/2022	A	-	3 - 3.5	3.0481	1.97	1.078	27.2	37,044	7.8	3.77	30.8	23,708	Cloudy,Brown	Peristaltic Pump
0960 MW144	22/11/2022	A	-	3 - 3.5	3.0481	2.7	0.348	27.3	36,842	6.58	2.07	24	23,579	Brown	Peristaltic Pump
0960 MW144	24/03/2023	A	-	3 - 3.5	3.0481	2.8	0.248	28.4	36,853	7.41	2.75	27.3	23,586	Brown	Peristaltic Pump
0960 MW144	28/06/2023	A	-	3 - 3.5	3.0481	2.845	0.203	26.7	44,641	7.44	3.44	1.5	28,570		
0960 MW144	8/11/2023	A	-	3 - 3.5	3.0481	2.95	0.098	32.7	39,937	7.13	1.94	-97.4	25,560	Brown	Peristaltic Pump
0960 MW144	22/05/2024	A	-	3 - 3.5	3.0481	2.72	0.328	29.5	42,347	7.09	-	-16.4	27,102	Brown	Peristaltic Pump
0960 MW144	17/12/2024	A	3.846	3 - 3.5	3.0481	2.915	0.133	30	40,243	6.92	0.25	-43.1	25,756	Clear, colourless, no odour, no sheen, no turbidity	Low flow/peri pump
0960 MW144	26/06/2025	A	3.878	3 - 3.5	3.0481	2.497	0.551	29	41,147	6.89	0.16	-167	26,334	Colourless, no turbidity no sediment load, no odour, no sheen	Low flow/peri pump
0960 MW145	12/03/2018	A	-	3 - 3.5	3.1416	3.015	0.127	30.8	102,556	7.3	0.89	34.6	65,636		
0960 MW145	12/03/2018	B	-	5 - 5.5	3.1481	3.015	0.127	30	108,700	7.33	0.76	-101.6	69,568		
0960 MW145	12/03/2018	C	-	7 - 7.5	3.1506	3.015	0.127	29.7	109,440	7.29	0.52	-72.5	70,042		
0960 MW145	12/03/2018	D	-	9 - 9.5	3.1519	3.015	0.127	29.7	110,602	7.34	0.88	12.8	70,785		



Location ID	Sample Date	Well	Well Depth (m bTOC)	Screen Interval	TOC Elevation (mAHD)	Depth to Water (m bTOC)	Groundwater Elevation (mAHD)	Temperature (°C) Field Measurement	EC (µS/cm) Field Measurement	pH Field Measurement	DO (mg/L) Field Measurement	Redox (mV) Field Measurement	TDS (mg/L) Field Measurement	Sample Comments	Sample Method
0960 MW145	22/06/2022	A	-	3 - 3.5	3.1416	2.045	1.097	28.3	94.315	7.18	3.16	75.8	60,362	Cloudy,Brown	Peristaltic Pump
0960 MW145	23/11/2022	A	-	3 - 3.5	3.1416	2.88	0.262	27.2	92,839	7.27	3.01	-6.4	59,417	Brown	Peristaltic Pump
0960 MW145	24/03/2023	B	-	5 - 5.5	3.1481	3.001	0.147	29.9	57,770	7.36	2.49	5.5	36,973	Clear slightly brown	Peristaltic Pump
0960 MW145	28/06/2023	A	-	3 - 3.5	3.1416	2.94	0.202	27	86,790	7.1	2.85	153.7	55,546	Cloudy,Brown	Peristaltic Pump
0960 MW145	8/11/2023	B	-	5 - 5.5	3.1481	3.319	-0.171	30.2	33,051	7.06	2.05	-30.5	21,153	Cloudy	Peristaltic Pump
0960 MW145	22/05/2024	A	-	3 - 3.5	3.1416	2.935	0.207	30.5	96,770	6.95	2.11	104.1	61,933	Cloudy,Brown	Peristaltic Pump
0960 MW145	14/12/2024	A	3.79	3 - 3.5	3.1416	3.145	-0.003	31.1	100,699	7	1.8	-108.9	64,447	Clear, colourless, no odour, no sheen, no turbidity	Low flow/peri pump
0960 MW145	28/06/2025	A	3.82	3 - 3.5	3.1416	2.66	0.482	28.2	100,266	6.96	1.65	34.7	64,170	Pale yellow, low turbidity, low sediment load, no odour, no sheen	Low flow/peri pump
0960 MW146	8/03/2018	A	-	2.794 - 3	2.7937	2.615	0.179	32.7	103,882	7.48	1.95	23.3	66,484		
0960 MW146	8/03/2018	B	-	2.801 - 2.801	2.8009	2.615	0.179	31.9	108,809	7.38	0.96	-30.5	69,638		
0960 MW146	8/03/2018	C	-	2.802 - 7	2.802	2.615	0.179	30.7	113,553	7.32	0.55	-97.8	72,674		
0960 MW146	8/03/2018	D	-	2.818 - 9	2.8184	2.615	0.179	30.8	116,664	7.35	0.88	-76	74,665		
0960 MW146	16/06/2018	A	-	2.794 - 3	2.7937	2.535	0.259	29	113,137	6.91	0.3	-13.5	72,408		
0960 MW146	16/06/2018	B	-	2.801 - 2.801	2.8009	2.535	0.259	28.9	113,502	6.83	0.53	-82.3	72,641		
0960 MW146	16/06/2018	C	-	2.802 - 7	2.802	2.535	0.259	29.7	130,377	6.77	0.17	-173.9	83,441		
0960 MW146	16/06/2018	D	-	2.818 - 9	2.8184	2.535	0.259	28.5	130,943	6.96	0.23	-131.5	83,804		
0960 MW146	29/11/2019	B	-	2.801 - 2.801	2.8009	2.76	0.041	29.7	48,507	7.33	2.32	7	31,044		HydraSleeve
0960 MW146	24/06/2020	B	-	2.801 - 2.801	2.8009	2.57	0.231	27.8	62,205	7.33	1.77	3.5	39,811		
0960 MW146	24/06/2020	B	-	2.801 - 2.801	2.8009	2.57	0.231	27.8	100,780	7.33	1.77	3.5	64,499	Cloudy,Brown	HydraSleeve
0960 MW146	21/11/2020	B	-	2.801 - 2.801	2.8009	2.84	-0.039	27.4	102,759	6.94	4.75	73	65,766	Clear	
0960 MW146	24/06/2021	B	-	2.801 - 2.801	2.8009	2.2	0.601	25.8	50,435	7.58	2.5	28	32,278	Cloudy	HydraSleeve
0960 MW146	18/01/2022	A	-	2.794 - 3	2.7937	2.561	0.233	29.4	98,004	7.39	3	-15.7	62,723		Hydrasleeve
0960 MW146	22/06/2022	A	-	2.794 - 3	2.7937	1.77	1.024	27.5	47,830	7.57	2.53	29.5	30,611	Cloudy,Brown	Peristaltic Pump
0960 MW146	23/11/2022	A	-	2.794 - 3	2.7937	2.43	0.364	29.1	91,675	7.32	3.36	-89.6	58,672	Cloudy,Brown	Peristaltic Pump
0960 MW146	24/03/2023	A	-	2.794 - 3	2.7937	2.561	0.233	29.4	98,004	7.39	3	-15.7	62,723	Clear	Peristaltic Pump
0960 MW146	28/06/2023	A	-	2.794 - 3	2.7937	2.478	0.316	26.4	85,890	7.24	2.93	2.5	54,970		Peristaltic Pump
0960 MW146	8/11/2023	C	-	2.802 - 7	2.802	2.914	-0.112	29.3	88,437	7.12	3.05	-86.7	56,600	Cloudy	Peristaltic Pump
0960 MW146	23/05/2024	A	-	2.794 - 3	2.7937	3.5	-0.706	26.5	89,119	7.17	3.7	150.8	57,036		Peristaltic Pump
0960 MW146	11/12/2024	A	3.345	2.794 - 3	2.7937	2.683	0.111	30.7	95,690	7.11	2.77	-70.8	61,242	Clear, colourless, no odour, no sheen, low to no turbidity	Low flow/peri pump
0960 MW146	27/06/2025	A	2.82	2.794 - 3	2.7937	2.27	0.524	28.4	97,860	7.1	2.47	38	62,630	Colourless, low turbidity, no sediment load, no odour, no sheen	Low flow/peri pump
0960 MW147	8/03/2018	A	-	3 - 3.5	2.9123	2.685	0.227	32.1	112,080	7.23	0.59	-81.6	71,731		
0960 MW147	8/03/2018	B	-	5 - 5.5	2.9152	2.685	0.227	31.1	110,606	7.27	0.41	-133.4	70,788		
0960 MW147	8/03/2018	C	-	7 - 7.5	2.9183	2.685	0.227	31	111,222	7.33	0.95	-113.6	71,182		
0960 MW147	8/03/2018	D	-	9 - 9.5	2.9209	2.685	0.227	31.8	111,599	7.4	0.64	-151.4	71,423		
0960 MW147	16/06/2018	A	-	3 - 3.5	2.9123	2.622	0.29	28.4	104,900	7.04	0.22	-10.5	67,136		
0960 MW147	16/06/2018	B	-	5 - 5.5	2.9152	2.622	0.29	29	106,650	6.97	0.11	-79.6	68,256		
0960 MW147	16/06/2018	C	-	7 - 7.5	2.9183	2.622	0.29	29.3	108,700	6.97	0.07	-109.3	69,568		
0960 MW147	16/06/2018	D	-	9 - 9.5	2.9209	2.622	0.29	28.9	104,776	7.01	0	-120.9	67,057		
0960 MW147	29/11/2019	A	-	3 - 3.5	2.9123	2.8	0.112	28.1	583	7.29	2.22	429	373		HydraSleeve
0960 MW147	24/06/2020	A	-	3 - 3.5	2.9123	2.6	0.312	25.7	62,400	7.15	1.55	-10.6	39,936		
0960 MW147	24/06/2020	A	-	3 - 3.5	2.9123	2.6	0.312	25.7	97,183	7.15	1.55	-10.6	62,197	Cloudy,Brown	HydraSleeve
0960 MW147	20/11/2020	B	-	5 - 5.5	2.9152	2.87	0.045	29	109,345	7.13	1.06	30.7	69,981	Cloudy,Brown	
0960 MW147	24/06/2021	B	-	5 - 5.5	2.9152	2.33	0.585	25.4	102,851	7.25	1.8	156.8	65,825	Clear	HydraSleeve
0960 MW147	18/01/2022	A	-	3 - 3.5	2.9123	2.817	0.095	28.9	101,218	7.36	3.46	4.7	64,780		Hydrasleeve
0960 MW147	23/06/2022	A	-	3 - 3.5	2.9123	1.89	1.022	26.4	101,321	7.45	1.98	40.5	64,845	Clear	Peristaltic Pump
0960 MW147	23/11/2022	A	-	3 - 3.5	2.9123	2.48	0.432	29.4	96,268	7.04	0.93	-103.8	61,612	Cloudy,Brown	Peristaltic Pump
0960 MW147	24/03/2023	A	-	3 - 3.5	2.9123	2.817	0.095	28.9	101,218	7.36	3.46	4.7	64,780		Peristaltic Pump
0960 MW147	28/06/2023	A	-	3 - 3.5	2.9123	2.6	0.312	26.6	87,132	7.05	1.69	31.7	55,764	Cloudy,Brown	Peristaltic Pump
0960 MW147	8/11/2023	B	-	5 - 5.5	2.9152	2.915	0	30.1	34,436	7.14	2.25	-56.6	22,039	Cloudy	Peristaltic Pump
0960 MW147	23/05/2024	A	-	3 - 3.5	2.9123	2.58	0.332	29.4	98,617	6.86	0.43	-58.7	63,115	Cloudy,Brown	Peristaltic Pump
0960 MW147	17/12/2024	A	3.765	3 - 3.5	2.9123	2.754	0.158	31.7	98,052	6.95	0.14	-76	62,753	Pale orange, slightly turbid, no odour, no sheen	Low flow/peri pump
0960 MW147	27/06/2025	A	3.756	3 - 3.5	2.9123	2.315	0.597	30.1	99,368	6.99	0.1	-151	63,596	Clear, colourless, no odour, no sheen, no sediment load	Low flow/peri pump
0960 MW148D	15/06/2018	-	-	14 - 20	3.5778	3.382	0.196	29.3	46,767	6.82	0.09	87.3	29,931		
0960 MW148D	15/06/2018	-	-	14 - 20	3.5778	3.382	0.196	28.9	93,615	6.87	0.04	86.2	59,914		
0960 MW148D	2/12/2019	-	-	14 - 20	3.5778	3.57	0.008	29.6	80,452	7.42	3.18	-225.8	51,489		HydraSleeve
0960 MW148D	24/06/2020	-	-	14 - 20	3.5778	3.361	0.217	28.7	52,065	7.14	0.44	-241.6	33,322		
0960 MW148D	24/06/2020	-	-	14 - 20	3.5778	3.361	0.217	28.7	85,665	7.14	0.44	-241.6	54,826	Black	HydraSleeve
0960 MW148D	19/11/2020	-	-	14 - 20	3.5778	3.59	-0.012	30.7	94,652	7.27	0.97	-129.7	60,577	Clear	
0960 MW148D	23/06/2021	-	-	14 - 20	3.5778	2.899	0.679	26.1	77,031	7.6	2.21	-4.3	49,300	Brown	HydraSleeve
0960 MW148D	18/01/2022	-	-	14 - 20	3.5778	3.41	0.168	28.3	80,379	7.26	0.67	76.3	51,443		Hydrasleeve
0960 MW148D	22/06/2022	-	-	14 - 20	3.5778	2.695	0.883	27.3	79,860	7.05	1.17	24	51,110	Clear	Hydrasleeve
0960 MW148D	22/11/2022	-	-	14 - 20	3.5778	3.27	0.308	27.6	77,180	7.76	3.31	-26	49,395	Clear	HydraSleeve
0960 MW148D	24/03/2023	-	-	14 - 20	3.5778	3.41	0.168	28.3	80,379	7.26	0.67	76.3	51,443	Clear	Hydrasleeve
0960 MW148D	28/06/2023	-	-	14 - 20	3.5778	3.46	0.118	25	77,097	7.5	1.87	47.8	49,342	Clear	HydraSleeve
0960 MW148D	8/11/2023	-	-	14 - 20	3.5778	3.59	-0.012	27.5	78,944	7.58	2.06	63.4	50,524	Clear	HydraSleeve
0960 MW148D	22/05/2024	-	-	14 - 20	3.5778	2.98	0.598	29.5	82,347	7.49	-	22.1	52,702	Clear	HydraSleeve
0960 MW148D	12/12/2024	-	18.41	14 - 20	3.5778	3.64	-0.062	29.7	80,995	7.13	2.42	-66	51,837	Clear, colourless, no odour, no sheen, no turbidity	o purge/hydrasleeve
0960 MW148D	23/06/2025	-	19.072	14 - 20	3.5778	3.234	0.344	25.3	79,056	7.25	0.85	-233.6	50,596	Colourless, low turbidity, low sediment, no odour, no sheen	o purge/hydrasleeve
0960 MW148S	2/12/2019	-	-	2 - 8	3.6851	3.57	0.115	29.6	24,240	6.85	3.01	-14.9	15,514		HydraSleeve
0960 MW148S	24/06/2020	-	-	2 - 8	3.6851	3.345	0.34	28.9	30,485	6.79	0.55	6.79	19,510	QC110/210	
0960 MW148S	24/06/2020	-	-	2 - 8	3.6851	3.345	0.34	28.9	50,307	6.79	0.55	6.79	32,196	Brown	HydraSleeve
0960 MW148S	19/11/2020	-	-	2 - 8	3.6851	3.504	0.181	29.3	53,311	6.63	0.62	67.2	34,119	Brown,Cloudy	
0960 MW148S	23/06/2021	-	-	2 - 8	3.6851	2.899	0.786	27.8	43,357	6.91	1.04	36.8	27,748	Brown	HydraSleeve
0960 MW148S	18/01/2022	-	-	2 - 8	3.6851	3.36	0.325	27.1	38,882	6.94	0.7	113.5	24,884		Hydrasleeve
0960 MW148S	22/06/2022	-	-	2 - 8	3.6851	2.595	1.09	26.2	34,512	7.29	3.35	22.2	22,088	Cloudy,Brown	Hydrasleeve
0960 MW148S	22/11/2022	-	-	2 - 8	3.6851	3.24	0.445	27.8	33,410	7.04	0.88	-35	21,382	Cloudy	HydraSleeve
0960 MW148S	24/03														



Location ID	Sample Date	Well	Well Depth (m bTOC)	Screen Interval	TOC Elevation (mAHD)	Depth to Water (m bTOC)	Groundwater Elevation (mAHD)	Temperature (°C) Field Measurement	EC (µS/cm) Field Measurement	pH Field Measurement	DO (mg/L) Field Measurement	Redox (mV) Field Measurement	TDS (mg/L) Field Measurement	Sample Comments	Sample Method
0960 MW151	19/11/2020	-	-	2 - 8	4.0631	3.849	0.214	30.1	16,411	6.84	2.93	31.4	10,503	Cloudy,Brown	
0960 MW151	23/06/2021	-	-	2 - 8	4.0631	3.307	0.756	25.1	12,800	7.17	1.78	105	8,192	Clear,Brown	HydraSleeve
0960 MW151	18/01/2022	-	-	2 - 8	4.0631	3.68	0.383	29.7	16,319	7.14	1.96	85.6	10,444		Hydrasleeve
0960 MW151	22/06/2022	-	-	2 - 8	4.0631	3.02	1.043	26.1	14,797	6.97	1.69	51.3	9,470	Cloudy,Brown	Hydrasleeve
0960 MW151	22/11/2022	-	-	2 - 8	4.0631	3.54	0.523	28.9	12,032	7.22	1.13	-92	7,700	Brown,Cloudy	HydraSleeve
0960 MW151	24/03/2023	-	-	2 - 8	4.0631	3.68	0.383	29.7	16,319	7.14	1.96	85.6	10,444	Cloudy,Brown	Hydrasleeve
0960 MW151	28/06/2023	-	-	2 - 8	4.0631	3.725	0.338	24.7	11,239	7.09	1.18	18.8	7,193	Cloudy,Brown	HydraSleeve
0960 MW151	8/11/2023	-	-	2 - 8	4.0631	3.88	0.183	27.2	11,380	7.15	1.93	30.8	7,283	Cloudy	HydraSleeve
0960 MW151	22/05/2024	-	-	2 - 8	4.0631	3.74	0.323	28.9	10,191	7.27	-	-97.3	6,522	Brown	HydraSleeve
0960 MW151	13/12/2024	-	7.531	2 - 8	4.0631	3.87	0.193	30.4	3,266	7.01	0.84	-61.2	2,090	Colouress, slightly turbid, no odour, no sheen, pale orange at bottom HS	o purge/hydrasleeve
0960 MW151	30/06/2025	-	7.509	2 - 8	4.0631	3.435	0.628	25.8	3,710	8	3.76	-0.2	2,374	Orange, moderate turbidity, moderate sediment, no odour, no sheen	o purge/hydrasleeve
0960 MW159	15/06/2018	-	-	3 - 9	4.1895	3.707	0.482	29.6	27,809	7	0.26	118.6	17,798		
0960 MW159	12/10/2018	-	-	3 - 9	4.1895	3.767	0.423	28.8	25,755	6.94	0.4	-	16,483		
0960 MW159	20/08/2019	-	-	3 - 9	4.1895	3.723	0.467	28.6	28,606	6.89	1.32	-	18,308		
0960 MW159	29/11/2019	-	-	3 - 9	4.1895	4.1	0.09	30.1	27,610	6.98	1.24	3.7	17,670	Clear	HydraSleeve
0960 MW159	16/03/2020	-	-	3 - 9	4.1895	3.98	0.21	33.3	25,820	6.66	0.64	-	16,525		
0960 MW159	24/06/2020	-	-	3 - 9	4.1895	3.706	0.483	29.8	25,707	7.07	3.22	50.2	16,452		
0960 MW159	24/06/2020	-	-	3 - 9	4.1895	3.706	0.483	29.8	25,707	7.07	3.22	150.7	16,452	Clear	HydraSleeve
0960 MW159	20/11/2020	-	-	3 - 9	4.1895	3.92	0.269	29.1	31,172	6.79	1.8	21.1	19,950	Cloudy,Brown	
0960 MW159	23/06/2021	-	-	3 - 9	4.1895	3.365	0.824	27	29,611	7.16	2.35	77.5	18,951	Clear	HydraSleeve
0960 MW159	23/11/2021	-	-	3 - 9	4.1895	3.765	0.424	30	81,407	6.82	1.03	-23.3	52,100	Slightly orange, clear, odourless, low sediment load, no sheen, located in grass upgradient of fuel farm	HydraSleeve
0960 MW159	18/01/2022	-	-	3 - 9	4.1895	3.744	0.445	29.9	28,563	6.84	0.98	-24	18,280		Hydrasleeve
0960 MW159	24/06/2022	-	-	3 - 9	4.1895	3.1	1.089	28	21,763	6.79	0.87	35.6	13,928		Hydrasleeve
0960 MW159	1/11/2022	-	-	3 - 9	4.1895	3.576	0.613	23.7	27,286	6.87	1.14	77	17,463	clear, slightly orange/brown, no odour, no sheen, low sediment load	Hydrasleeve
0960 MW159	23/11/2022	-	-	3 - 9	4.1895	3.576	0.613	27.3	28,272	7.01	0.95	-100	18,094	Clear	HydraSleeve
0960 MW159	24/03/2023	-	-	3 - 9	4.1895	3.744	0.445	29.9	28,563	6.84	0.98	-24	18,280	Clear	Hydrasleeve
0960 MW159	28/06/2023	-	-	3 - 9	4.1895	3.33	0.859	26.3	34,645	6.79	1.34	-113	22,173	Brown, hydrocarbon odour	HydraSleeve
0960 MW159	5/09/2023	-	-	3 - 9	4.1895	3.887	0.302	26.5	30,663	6.73	1.38	37.9	19,624	Brown, moderate turbidity, low sedimeth load, no odour or sheen	hydrasleeve
0960 MW159	8/11/2023	-	-	3 - 9	4.1895	3.96	0.229	30	31,536	6.78	1.8	14.6	20,183	Cloudy,Brown	HydraSleeve
0960 MW159	23/05/2024	-	-	3 - 9	4.1895	3.93	0.259	29.9	17,797	6.81	-	-113.7	11,390	Brown	HydraSleeve
0960 MW159	30/06/2025	-	4.26	3 - 9	4.1895	3.641	0.548	28.6	28,949	6.64	0.2	-105.6	18,527	Very pale brown, no odour, low turbidity, lowsed load, no sheen	Low flow/peri pump
0960 MW162	15/06/2018	-	-	17 - 20	6.856	5.652	1.204	29.3	14,595	6.84	0.21	-85.4	9,341		
0960 MW162	14/10/2018	-	-	17 - 20	6.856	5.998	0.858	29.8	14,345	7.23	0.41	-	9,181		
0960 MW162	26/11/2019	-	-	17 - 20	6.856	6.1	0.756	30	12,600	6.96	4.71	20.9	8,064	Cloudy	HydraSleeve
0960 MW162	24/06/2020	-	-	17 - 20	6.856	6.01	0.846	27.8	13,050	6.91	1.67	150.7	8,352		
0960 MW162	24/06/2020	-	-	17 - 20	6.856	6.01	0.846	27.8	13,050	6.91	1.67	-65.5	8,352	Clear	HydraSleeve
0960 MW162	15/10/2020	-	-	17 - 20	6.856	6.129	0.727	30.1	13,867	7.07	0.35	-205.7	8,875	Clear, slightly red/brown, slight sulfidic odour, no sheen, slight sediment load	
0960 MW162	19/11/2020	-	-	17 - 20	6.856	6.16	0.696	29	13,989	7.52	2.84	64.5	8,953	Clear,Cloudy,Brown	
0960 MW162	23/02/2021	-	-	17 - 20	6.856	6.167	0.689	31.8	14,621	7.06	0.2	-119	9,357	Slightly cloudy, very pale yellow, mild sulfidic odour, no sheen, low to moderate sediment load	
0960 MW162	23/06/2021	-	-	17 - 20	6.856	5.64	1.216	25.3	13,319	6.96	0.84	165.1	8,524	Clear,Brown	HydraSleeve
0960 MW162	18/01/2022	-	-	17 - 20	6.856	5.876	0.98	32	1,801	8.25	2.89	77.1	1,153		Hydrasleeve
0960 MW162	22/06/2022	-	-	17 - 20	6.856	5.45	1.406	28.9	12,776	7.18	0.75	20.7	8,177	Clear	Hydrasleeve
0960 MW162	1/11/2022	-	-	17 - 20	6.856	5.062	1.794	27.3	13,346	6.96	1.56	20.7	8,541	clear, slightly orange, no odour, no sheen, low sediment load	Hydrasleeve
0960 MW162	22/11/2022	-	-	17 - 20	6.856	5.062	1.794	28.8	12,721	6.77	1.58	39	8,141	Cloudy	HydraSleeve
0960 MW162	24/03/2023	-	-	17 - 20	6.856	5.876	0.98	32	1,801	8.25	2.89	77.1	1,153	Brown	Hydrasleeve
0960 MW162	28/06/2023	-	-	17 - 20	6.856	5.91	0.946	26.2	13,088	6.86	3.38	1.1	8,376		HydraSleeve
0960 MW162	6/09/2023	-	-	17 - 20	6.856	6.068	0.788	30.7	13,458	6.84	0.77	112.8	8,613	Pale orange, slightly turbid, low sediment load, no odour, or sheen lab qaqc taken	hydrasleeve
0960 MW162	8/11/2023	-	-	17 - 20	6.856	6.36	0.496	30	12,735	6.8	0.51	-54.7	8,150	Cloudy	HydraSleeve
0960 MW162	22/05/2024	-	-	17 - 20	6.856	6.482	0.374	29.6	12,829	6.31	4.37	113.4	8,211		HydraSleeve
0960 MW162	7/11/2024	-	-	17 - 20	6.856	6.3	0.556	33.2	9,939	7.15	2.3	101.2	6,361	Light orange, low turbidity, nil odour	Grab
0960 MW162	7/11/2024	-	-	17 - 20	6.856	6.3	0.556	33.2	9,939	7.15	2.3	101.2	6,361	Light orange,no orduor,low turbidity	Grab
0960 MW162	11/12/2024	-	19.461	17 - 20	6.856	6.282	0.574	31.2	12,815	7.29	2.08	-68.4	8,202	Clear, colourless, no odour, no sheen, low sediment, low to no turbidity	o purge/hydrasleeve
0960 MW162	23/06/2025	-	8.754	17 - 20	6.856	5.857	0.999	26.2	1,994	8.01	1.85	-145.2	1,276	Pale orange, moderately turbid, moderate sediment, no sheen, no odour	o purge/hydrasleeve
0960 MW163	15/06/2018	-	-	17 - 20	6.7808	5.874	0.907	29.2	13,947	7	0.14	-85	8,926		
0960 MW163	14/10/2018	-	-	17 - 20	6.7808	5.92	0.861	29.5	13,500	7.25	1.79	-	8,640		
0960 MW163	26/11/2019	-	-	17 - 20	6.7808	6.05	0.731	29.2	7,935	6.6	10.7	15.3	5,078	Cloudy	HydraSleeve
0960 MW163	24/06/2020	-	-	17 - 20	6.7808	5.955	0.826	26.6	13,809	6.8	1.46	-65.5	8,838		
0960 MW163	24/06/2020	-	-	17 - 20	6.7808	5.955	0.826	26.6	13,809	6.8	1.46	-135.8	8,838	Clear	HydraSleeve
0960 MW163	19/11/2020	-	-	17 - 20	6.7808	6.09	0.691	32.1	17,922	7.13	2.69	26.6	11,470	Clear	
0960 MW163	23/06/2021	-	-	17 - 20	6.7808	5.55	1.231	23.7	12,160	7.4	2.43	91.6	7,782	Clear	HydraSleeve
0960 MW163	18/01/2022	-	-	17 - 20	6.7808	6.403	0.378	28.8	12,802	7.21	1.92	101.8	8,193		Hydrasleeve
0960 MW163	22/06/2022	-	-	17 - 20	6.7808	5.36	1.421	28.8	14,218	7.36	2.06	-57.2	9,100	Clear	Hydrasleeve
0960 MW163	22/11/2022	-	-	17 - 20	6.7808	5.8	0.981	26.3	14,146	6.37	4.08	55.5	9,053	Brown	HydraSleeve
0960 MW163	24/03/2023	-	-	17 - 20	6.7808	6.403	0.378	28.8	12,802	7.21	1.92	101.8	8,193	Clear	Hydrasleeve
0960 MW163	28/06/2023	-	-	17 - 20	6.7808	5.797	0.984	26.8	11,440	7.17	4.65	-2.1	7,322		HydraSleeve
0960 MW163	8/11/2023	-	-	17 - 20	6.7808	6.175	0.606	31.7	10,912	7.06	-0.7	-33.5	6,984	Cloudy	HydraSleeve
0960 MW164	15/06/2018	-	-	17 - 20	6.7893	5.91	0.879	29.2	17,210	6.68	0.46	84.9	11,014		
0960 MW164	26/11/2019	-	-	17 - 20	6.7893	6.07	0.719	29.6	13,636	6.77	1.83	15.7	8,727	Brown	HydraSleeve
0960 MW164	24/06/2020	-	-	17 - 20	6.7893	5.95	0.839	27.5	13,985	6.71	1.27	-135.8	8,950		
0960 MW164	24/06/2020	-	-	17 - 20	6.7893	5.95	0.839	27.5	13,985	6.71	1.27	-70.3	8,950	Clear	HydraSleeve
0960 MW164	19/11/2020	-	-	17 - 20	6.7893	6.11	0.679	31.6	9,727	7.91	1.88	-33.1	6,225	Clear	
0960 MW164	23/06/2021	-	-	17 - 20	6.7893	5.55	1.239	25.2	7,078	7.8	1.81	108	4,530	Clear	HydraSleeve
0960 MW164	18/01/2022	-	-	17 - 20	6.7893	5.868	0.921	29.5	14,464	7.15	1.71	-55.5	9,257		Hydrasleeve
0960 MW164	22/06/2022	-	-	17 - 20	6.7893	5.35	1.439	29.7	7,102	7.69	2.5	-103.4	4,545	Clear	Hydrasleeve
0960 MW164	22/11/2022	-	-	17 - 20	6.7893	5.6	1.189	27.5	6,105	7.78	4.27	10.5	3,907	Clear	HydraSleeve
0960 MW164	24/03/2023	-	-	17 - 20	6.7893	5.868	0.921	29.5	14,464	7.15	1.71	-55.5	9,257	Clear	Hydrasleeve
0960 MW164	28/06/2023	-	-	17 - 20	6.7893	5.806	0.983	21.8	6,127	8.11	4.06	11.4	3,921		



Location ID	Sample Date	Well	Well Depth (m bTOC)	Screen Interval	TOC Elevation (mAHD)	Depth to Water (m bTOC)	Groundwater Elevation (mAHD)	Temperature (°C) Field Measurement	EC (µS/cm) Field Measurement	pH Field Measurement	DO (mg/L) Field Measurement	Redox (mV) Field Measurement	TDS (mg/L) Field Measurement	Sample Comments	Sample Method
0960 MW165	18/01/2022	-	-	3 - 9	6.1043	5.148	0.956	26.6	2,727	7.93	3.12	117.9	1,745		Hydrasleeve
0960 MW165	22/06/2022	-	-	3 - 9	6.1043	4.63	1.474	26.8	3,665	8.06	1.99	-162.2	2,346	Clear	Hydrasleeve
0960 MW165	22/11/2022	-	-	3 - 9	6.1043	5.23	0.874	26.8	3,025	7.52	2.83	1.6	1,936	Brown	HydraSleeve
0960 MW165	24/03/2023	-	-	3 - 9	6.1043	5.148	0.956	26.6	2,727	7.93	3.12	117.9	1,745	Clear	Hydrasleeve
0960 MW165	28/06/2023	-	-	3 - 9	6.1043	5.14	0.964	24.5	2,614	7.83	2.59	-48.9	1,673	Clear	HydraSleeve
0960 MW165	8/11/2023	-	-	3 - 9	6.1043	5.542	0.562	30	2,273	7.98	1.92	-49.9	1,455	Cloudy	HydraSleeve
0960 MW165	22/05/2024	-	-	3 - 9	6.1043	5.519	0.585	28	2,094	7.9	4.21	80.3	1,340		HydraSleeve
0960 MW165	11/12/2024	-	8.848	3 - 9	6.1043	5.505	0.599	30.4	1,958	8.18	1.46	-64	1,253	Clear, colourless, no odour, no sheen, some red colour at bottom of hs,	o purge/hydrasleeve
0960 MW165	23/06/2025	-	8.953	3 - 9	6.1043	5.077	1.027	26.2	1,937	8.13	1.17	-145.6	1,240	Pale yellow/orange, moderate turbidity, moderate sediment, no sheen, no odour	o purge/hydrasleeve
0960 MW166	10/06/2018	-	-	2.5 - 8.5	5.7441	4.875	0.869	29.1	3,451	7.61	0.42	84.3	2,209		
0960 MW166	26/11/2019	-	-	2.5 - 8.5	5.7441	5.015	0.729	31.1	3,509	7.63	5.57	85.5	2,246	Cloudy,Brown	HydraSleeve
0960 MW166	24/06/2020	-	-	2.5 - 8.5	5.7441	4.92	0.824	28.6	2,953	7.63	3.18	-127	1,890	QC108, QC208	
0960 MW166	24/06/2020	-	-	2.5 - 8.5	5.7441	4.92	0.824	28.6	2,953	7.63	3.18	-106.7	1,890	Cloudy,Brown	HydraSleeve
0960 MW166	19/11/2020	-	-	2.5 - 8.5	5.7441	5.05	0.694	30.7	3,227	7.91	2.22	93.3	2,065		
0960 MW166	23/06/2021	-	-	2.5 - 8.5	5.7441	4.55	1.194	28.6	3,332	7.77	1.83	117.4	2,132	Clear,Brown	HydraSleeve
0960 MW166	18/01/2022	-	-	2.5 - 8.5	5.7441	4.812	0.932	29.6	2,611	7.91	3.27	104.4	1,671		Hydrasleeve
0960 MW166	22/06/2022	-	-	2.5 - 8.5	5.7441	4.3	1.444	26.5	2,883	7.86	2.29	-144.8	1,845	Clear	Hydrasleeve
0960 MW166	22/11/2022	-	-	2.5 - 8.5	5.7441	4.56	1.184	28.7	2,837	6.82	2.58	41.3	1,816	Clear	HydraSleeve
0960 MW166	24/03/2023	-	-	2.5 - 8.5	5.7441	4.812	0.932	29.6	2,611	7.91	3.27	104.4	1,671	Brown	Hydrasleeve
0960 MW166	28/06/2023	-	-	2.5 - 8.5	5.7441	4.818	0.926	26.4	2,959	7.76	1.74	3.6	1,894		HydraSleeve
0960 MW166	8/11/2023	-	-	2.5 - 8.5	5.7441	5.279	0.465	29.9	2,724	7.79	2.77	-36.9	1,743	Cloudy	HydraSleeve
0960 MW166	22/05/2024	-	-	2.5 - 8.5	5.7441	5.152	0.592	30.5	2,756	7.64	2.33	89.8	1,764		HydraSleeve
0960 MW166	12/12/2024	-	7.51	2.5 - 8.5	5.7441	5.16	0.584	29.5	2,902	7.39	2.14	-51.4	1,857	Clear, colourless, no odour, no sheen, low sediment load, dead ants within HS	o purge/hydrasleeve
0960 MW166	23/06/2025	-	7.581	2.5 - 8.5	5.7441	4.739	1.005	26.4	2,775	7.71	1.68	-176	1,776	Pale yellow-orange, low turbidity, low sediment, no odour, no sheen	o purge/hydrasleeve
0960 MW167	10/06/2018	-	-	2.5 - 8.5	6.2094	5.379	0.83	28.8	6,829	7.17	1.06	104.3	4,371		
0960 MW167	26/11/2019	-	-	2.5 - 8.5	6.2094	5.525	0.684	30.7	6,734	7.26	6.69	88.1	4,310	Cloudy,Brown	HydraSleeve
0960 MW167	25/06/2020	-	-	2.5 - 8.5	6.2094	5.39	0.819	29.7	5,909	7.36	1.6	-106.7	3,782		
0960 MW167	25/06/2020	-	-	2.5 - 8.5	6.2094	5.39	0.819	29.7	5,909	7.36	1.6	44.4	3,782	Brown	HydraSleeve
0960 MW167	19/11/2020	-	-	2.5 - 8.5	6.2094	5.56	0.649	32.7	6,335	7.57	1.98	59.3	4,054	105 / 205	
0960 MW167	23/06/2021	-	-	2.5 - 8.5	6.2094	5.06	1.149	25	7,066	7.37	2.16	151.6	4,522	Cloudy,Brown	HydraSleeve
0960 MW167	18/01/2022	-	-	2.5 - 8.5	6.2094	5.304	0.905	30	5,437	7.42	2.51	110.6	3,480		Hydrasleeve
0960 MW167	22/06/2022	-	-	2.5 - 8.5	6.2094	4.86	1.349	27.8	5,297	7.54	2.52	-161.1	3,390	Clear	Hydrasleeve
0960 MW167	22/11/2022	-	-	2.5 - 8.5	6.2094	5.075	1.134	28.2	5,222	5.89	2.75	68.6	3,342	Brown	HydraSleeve
0960 MW167	24/03/2023	-	-	2.5 - 8.5	6.2094	5.304	0.905	30	5,437	7.42	2.51	110.6	3,480	Clear	Hydrasleeve
0960 MW167	28/06/2023	-	-	2.5 - 8.5	6.2094	5.329	0.88	28.1	5,759	7.25	2.21	6	3,686		HydraSleeve
0960 MW167	8/11/2023	-	-	2.5 - 8.5	6.2094	5.523	0.686	29.9	5,165	7.31	1.82	-34.2	3,306	Cloudy	HydraSleeve
0960 MW167	22/05/2024	-	-	2.5 - 8.5	6.2094	5.619	0.59	29.8	4,774	7.23	4.55	106.1	3,055		HydraSleeve
0960 MW167	12/12/2024	-	8.872	2.5 - 8.5	6.2094	5.664	0.545	29.1	4,503	7.48	2.05	-80.6	2,882	Colourless, no odour, no sheen, orange at bottom, low sediment load	o purge/hydrasleeve
0960 MW167	23/06/2025	-	8.854	2.5 - 8.5	6.2094	5.237	0.972	26.4	4,198	7.57	1.68	-150	2,687	Pale yellow-orange, low turbidity, low sediment, no odour, no sheen	o purge/hydrasleeve
0960 MW168	10/06/2018	-	-	2.5 - 8.5	6.1713	5.4	0.771	28.9	14,149	6.78	0.43	105.6	9,055		
0960 MW168	26/11/2019	-	-	2.5 - 8.5	6.1713	5.55	0.621	30.9	14,772	6.72	3.98	95.5	9,454	Brown,Cloudy	HydraSleeve
0960 MW168	25/06/2020	-	-	2.5 - 8.5	6.1713	5.408	0.763	30.2	14,593	6.88	1	44.4	9,340		
0960 MW168	25/06/2020	-	-	2.5 - 8.5	6.1713	5.408	0.763	30.2	14,593	6.88	1	43.6	9,340	Brown	HydraSleeve
0960 MW168	19/11/2020	-	-	2.5 - 8.5	6.1713	5.57	0.601	29.6	13,910	7.14	1.86	69.7	8,902	Qc104 204	
0960 MW168	23/06/2021	-	-	2.5 - 8.5	6.1713	5.08	1.091	26.1	13,890	6.99	1.18	73.1	8,890	Brown	HydraSleeve
0960 MW168	18/01/2022	-	-	2.5 - 8.5	6.1713	5.335	0.836	30.2	12,849	6.94	1.31	150.2	8,223	127/227	Hydrasleeve
0960 MW168	22/06/2022	-	-	2.5 - 8.5	6.1713	4.89	1.281	26.6	12,256	7	1.26	-165.5	7,844	Brown,Cloudy	Hydrasleeve
0960 MW168	22/11/2022	-	-	2.5 - 8.5	6.1713	4.985	1.186	27.9	12,035	5.6	0.99	71.8	7,702	Clear	HydraSleeve
0960 MW168	24/03/2023	-	-	2.5 - 8.5	6.1713	5.335	0.836	30.2	12,849	6.94	1.31	150.2	8,223	Brown	Hydrasleeve
0960 MW168	28/06/2023	-	-	2.5 - 8.5	6.1713	5.21	0.961	27.7	12,712	6.95	0.78	19.5	8,136	Cloudy	HydraSleeve
0960 MW168	8/11/2023	-	-	2.5 - 8.5	6.1713	5.64	0.531	26.7	11,789	6.93	1.51	-113.6	7,545	Brown	HydraSleeve
0960 MW168	22/05/2024	-	-	2.5 - 8.5	6.1713	5.48	0.691	24.1	12,192	6.93	-	-99.3	7,803	Brown	HydraSleeve
0960 MW168	12/12/2024	-	8.77	2.5 - 8.5	6.1713	5.673	0.498	27.9	11,315	6.94	1.61	-94.9	7,242	Clear, colourless, no odour, no sheen, orange at the bottom, low sed load	o purge/hydrasleeve
0960 MW168	23/06/2025	-	8.754	2.5 - 8.5	6.1713	5.26	0.911	27.2	11,453	6.85	1.18	-149.5	7,330	Orange, high turbidity, high sediment, no sheen, no odour	o purge/hydrasleeve
0960 MW170	18/06/2018	-	-	2.5 - 8.5	5.639	5.161	0.478	28.6	62,293	6.71	0.09	70.4	39,868		
0960 MW170	20/08/2019	-	-	2.5 - 8.5	5.639	5.083	0.556	26.9	53,409	6.71	0.3	-	34,182		
0960 MW170	29/11/2019	-	-	2.5 - 8.5	5.639	5.27	0.369	29.1	22,523	7.02	2.5	-70.2	14,415		HydraSleeve
0960 MW170	24/06/2020	-	-	2.5 - 8.5	5.639	4.398	1.241	28.5	51,001	6.98	0.92	43.6	32,641		
0960 MW170	24/06/2020	-	-	2.5 - 8.5	5.639	4.398	1.241	28.5	51,001	6.98	0.92	117.2	32,641	Brown	HydraSleeve
0960 MW170	16/10/2020	-	-	2.5 - 8.5	5.639	5.298	0.341	29.1	48,196	6.7	2.5	158.8	30,845	Cloudy, red/orange/brown, no odour, no sheen, moderate sediment load	
0960 MW170	19/11/2020	-	-	2.5 - 8.5	5.639	5.299	0.34	27.7	48,116	6.7	5.28	1.6	30,794	Brown,Cloudy	
0960 MW170	24/02/2021	-	-	2.5 - 8.5	5.639	5.376	0.263	32	51,157	7.07	1.41	48	32,740	Cloudy, dark orange, no odour, no sheen, high sediment load	
0960 MW170	23/06/2021	-	-	2.5 - 8.5	5.639	4.764	0.875	23.2	48,493	6.95	2.39	81.8	31,036		HydraSleeve
0960 MW170	23/11/2021	-	-	2.5 - 8.5	5.639	5.023	0.616	29.9	43,860	7.07	2.55	-29.3	28,070	Orange/brown, odourless, high turbidity, no sheen, located in grass near runway	HydraSleeve
0960 MW170	18/01/2022	-	-	2.5 - 8.5	5.639	4.994	0.645	29	40,988	7	3.21	116.6	26,232		Hydrasleeve
0960 MW170	22/06/2022	-	-	2.5 - 8.5	5.639	4.56	1.079	28.1	41,372	7.14	2.8	38	26,478	Clear	Hydrasleeve
0960 MW170	22/11/2022	-	-	2.5 - 8.5	5.639	4.785	0.854	28.7	23,355	7.11	2.01	-68.1	14,947	Cloudy	HydraSleeve
0960 MW170	24/03/2023	-	-	2.5 - 8.5	5.639	4.994	0.645	29	40,988	7	3.21	116.6	26,232	Clear	Hydrasleeve
0960 MW170	28/06/2023	-	-	2.5 - 8.5	5.639	5.15	0.489	26	43,298	6.82	3.97	-97.1	27,711	Brown	HydraSleeve
0960 MW170	7/09/2023	-	-	2.5 - 8.5	5.639	5.207	0.432	25.7	43,330	6.78	1.67	-43.5	27,731	Orange, turbid, moderate sediemnt load, no odour, no sheen	hydrasleeve
0960 MW170	8/11/2023	-	-	2.5 - 8.5	5.639	5.3	0.339	30.8	39,007	7.15	2.8	82.2	24,964	Cloudy	HydraSleeve
0960 MW170	23/05/2024	-	-	2.5 - 8.5	5.639	5.34	0.299	30.9	35,479	7	-	143.5	22,707	Brown	HydraSleeve
0960 MW170	12/12/2024	-	8.907	2.5 - 8.5	5.639	5.405	0.234	29.3	39,505	6.99	2.23	-84.6	25,283	Very pale yellow, low to moderate turbidity, no odur, no sheen, low sediment load	o purge/hydrasleeve
0960 MW170	25/06/2025	-	8.911	2.5 - 8.5	5.639	5.057	0.582	27	39,741	8.67	1.21	-77.3	25,434	Pale orange, low turbidity, low sediment load, no odour, no sheen	o purge/hydrasleeve
0960 MW172	18/06/2018	-	-	2.5 - 8.5	5.6193	5.061	0.558	30.7	54,405	6.84	2.59	82.8	34,819		



Location ID	Sample Date	Well	Well Depth (m bTOC)	Screen Interval	TOC Elevation (mAHD)	Depth to Water (m bTOC)	Groundwater Elevation (mAHD)	Temperature (°C) Field Measurement	EC (µS/cm) Field Measurement	pH Field Measurement	DO (mg/L) Field Measurement	Redox (mV) Field Measurement	TDS (mg/L) Field Measurement	Sample Comments	Sample Method
0960 MW172	25/06/2025	-	8.355	2.5 - 8.5	5.6193	4.905	0.714	22.2	29,421	7.07	2.18	37.9	18,829	Pale orange, low turbidity, low sediment load, no odour, no sheen	o purge/hydrasleeve
0960 MW174	15/06/2018	-	-	1 - 7	7.484	6.53	0.954	30.3	6,194	6.61	0.42	129.6	3,964		
0960 MW174	16/12/2024	-	7.564	1 - 7	7.484	6.913	0.571	30.4	5,587	6.9	3.98	-95.2	3,576	orange/brown, highly turbid, no odur, no sheen, purged 4 L with bailer as HS	No purge/bailer
0960 MW174	26/06/2025	-	7.535	1 - 7	7.484	6.601	0.883	28.8	5,366	6.8	2.59	-104.9	3,434	Orange, highly turbid, high sediment load, no odour, no sheen	o purge/hydrasleeve
0960 MW175	17/06/2018	A	-	4 - 4.5	4.7916	4.391	0.401	28.6	11,216	7.3	0.57	-32.9	7,178		
0960 MW175	17/06/2018	B	-	5.5 - 6	4.7982	4.391	0.401	28.8	14,908	7.41	0.36	47.2	9,541		
0960 MW175	17/06/2018	C	-	7 - 7.5	4.7995	4.391	0.401	28.6	8,520	7.61	0.3	-58.5	5,453		
0960 MW175	17/06/2018	D	-	9 - 9.5	4.8316	4.391	0.401	28.4	31,725	7.25	0.14	20.3	20,304		
0960 MW175	29/11/2019	B	-	5.5 - 6	4.7982	4.52	0.278	29.3	6,926	7.57	1.76	-19.7	4,433	Cloudy,Brown	HydraSleeve
0960 MW175	25/06/2020	B	-	5.5 - 6	4.7982	4.82	-0.022	25	3,133	7.75	0.59	126.4	2,005	cloudy	
0960 MW175	25/06/2020	B	-	5.5 - 6	4.7982	4.82	-0.022	25	3,133	7.75	0.59	-78.9	2,005		HydraSleeve
0960 MW175	20/11/2020	B	-	5.5 - 6	4.7982	5	-0.202	30	3,878	7.55	2.05	-107.5	2,482	Cloudy,Brown	
0960 MW175	23/06/2021	C	-	7 - 7.5	4.7995	4.13	0.67	25.6	2,580	7.77	1.57	-254.9	1,651	Brown	HydraSleeve
0960 MW175	18/01/2022	B	-	5.5 - 6	4.7982	4.3	0.498	28.6	4,932	7.52	0.76	-122.7	3,156		
0960 MW175	23/06/2022	A	-	4 - 4.5	4.7916	3.84	0.952	27.6	3,485	7.82	1.35	-108.5	2,230	Cloudy,Brown,Black	Peristaltic Pump
0960 MW175	23/11/2022	A	-	4 - 4.5	4.7916	4.21	0.582	32.3	5,058	6.99	1.59	-9.1	3,237		Peristaltic Pump
0960 MW175	24/03/2023	B	-	5.5 - 6	4.7982	4.3	0.498	28.6	4,932	7.52	0.76	-122.7	3,156	Clear	Peristaltic Pump
0960 MW175	28/06/2023	B	-	5.5 - 6	4.7982	4.75	0.048	27.1	5,739	7.77	2.67	-172.8	3,673	Black, fuel odour	Peristaltic Pump
0960 MW175	8/11/2023	A	-	4 - 4.5	4.7916	4.43	0.362	27.4	5,994	7.6	0.39	-30.4	3,836	Cloudy,Brown	Peristaltic Pump
0960 MW175	22/05/2024	A	-	4 - 4.5	4.7916	4.05	0.742	27.7	2,625	7.16	-	183.5	1,680	Brown	Peristaltic Pump
0960 MW175	14/12/2024	A	4.821	4 - 4.5	4.7916	4.22	0.572	28.9	9,390	7.24	0.11	-114	6,010	Clear, colourless, no odour, no sheen, no turbidity	Low flow/peri pump
0960 MW175	30/06/2025	A	4.867	4 - 4.5	4.7916	4.066	0.726	29.2	3,587	7.42	0.17	-189.2	2,296	Very pale brown, moderate turbidity, low sediment, slight organic odour, no sheen	Low flow/peri pump
0960 MW176	17/06/2018	A	-	1.5 - 2	2.1274	1.835	0.292	27.3	56,663	7.1	0.25	-30.1	36,264		
0960 MW176	17/06/2018	B	-	3.5 - 4	2.1279	1.835	0.292	28.9	63,977	7.13	0.16	-108.9	40,945		
0960 MW176	17/06/2018	C	-	6 - 6.5	2.1594	1.835	0.292	28.5	69,540	7.06	0.13	-97.4	44,506		
0960 MW176	17/06/2018	D	-	8.5 - 9	2.1712	1.835	0.292	28.6	104,479	6.99	0.01	-113.3	66,867		
0960 MW176	29/11/2019	B	-	3.5 - 4	2.1279	1.97	0.158	33.1	50,091	7.15	0.88	-71	32,058	Clear,Cloudy,Brown	HydraSleeve
0960 MW176	24/06/2020	A	-	1.5 - 2	2.1274	1.88	0.247	24.7	41,708	8.01	3.47	-78.9	26,693	cloudy	
0960 MW176	24/06/2020	A	-	1.5 - 2	2.1274	1.88	0.247	24.7	41,708	8.01	3.47	64	26,693	Cloudy,Brown,Yellow	HydraSleeve
0960 MW176	20/11/2020	A	-	1.5 - 2	2.1274	1.835	0.292	30.8	54,030	7.39	3.13	15.5	34,579	Cloudy,Brown	
0960 MW176	23/06/2021	B	-	3.5 - 4	2.1279	1.24	0.888	24.6	31,808	8	4.09	71.3	20	Brown	HydraSleeve
0960 MW176	18/01/2022	C	-	6 - 6.5	2.1594	1.78	0.379	28	68,441	7.91	2.61	99.9	43,802		
0960 MW176	23/06/2022	A	-	1.5 - 2	2.1274	1.315	0.812	24	53,753	7.47	2.55	89.7	34,402	Cloudy,Brown	Peristaltic Pump
0960 MW176	22/11/2022	A	-	1.5 - 2	2.1274	1.85	0.277	28.1	54,365	7.09	0.27	-136.7	34,794	Cloudy,Brown	Peristaltic Pump
0960 MW176	24/03/2023	C	-	6 - 6.5	2.1594	1.78	0.379	28	68,441	7.91	2.61	99.9	43,802	Clear	Peristaltic Pump
0960 MW176	28/06/2023	A	-	1.5 - 2	2.1274	1.882	0.245	25.7	30,783	7.17	3.81	-0.7	19,701		Peristaltic Pump
0960 MW176	8/11/2023	A	-	1.5 - 2	2.1274	2.01	0.117	29.9	56,254	7.18	2.13	81.2	36,003	Cloudy,Brown	Peristaltic Pump
0960 MW176	23/05/2024	A	-	1.5 - 2	2.1274	1.976	0.151	31.2	58,149	6.98	3.13	-39.8	37,215		Peristaltic Pump
0960 MW176	15/12/2024	A	2.489	1.5 - 2	2.1274	1.729	0.398	30.4	55,608	6.94	0.04	-101.7	35,589	Colourless, slightly turbid, no sheen, no odour,	Low flow/peri pump
0960 MW176	15/12/2024	B	4.5	3.5 - 4	2.1279	1.729	0.398	29.4	54,976	7.02	0.05	-103.2	35,185	Clear, colourless, no odour, no sheen	Low flow/peri pump
0960 MW176	15/12/2024	C	6.54	6 - 6.5	2.1594	1.729	0.398	29.5	87,698	6.92	0.1	-103.7	56,127	Pale brown, moderately turbid, no sheen, no odour,	Low flow/peri pump
0960 MW176	15/12/2024	D	8.99	8.5 - 9	2.1712	1.729	0.398	30.5	97,732	6.98	0.01	-112.2	62,548	Pale brown, highly turbid, no sheen, no odour,	Low flow/peri pump
0960 MW176	29/06/2025	A	2.509	1.5 - 2	2.1274	1.595	0.532	27	53,851	6.97	0.22	-124.5	34,465	Colourless, low turbidity, no sediment, no odour, no sheen	Low flow/peri pump
0960 MW176	29/06/2025	B	4.035	3.5 - 4	2.1279	1.595	0.532	27.6	56,996	6.97	0.28	-134.9	36,477	Colourless, low turbidity, no sediment, no odour, no sheen	Low flow/peri pump
0960 MW176	29/06/2025	C	6.543	6 - 6.5	2.1594	1.595	0.532	28.1	84,999	6.89	0.25	-138.9	54,399	Pale brown, moderate turbidity, low sediment load, no odour, no sheen	Low flow/peri pump
0960 MW176	29/06/2025	D	9	8.5 - 9	2.1712	1.595	0.532	27.9	91,690	6.9	0.17	-146.9	58,682	Pale brown, moderate turbidity, low sediment load, no odour, no sheen	Low flow/peri pump
0960 MW177	17/06/2018	A	-	1.5 - 2	2.2299	1.739	0.491	26.6	83,509	7.16	0.2	2.3	53,446		
0960 MW177	17/06/2018	B	-	3.5 - 4	2.2517	1.739	0.491	28.5	113,763	7.06	0.08	-50.6	72,808		
0960 MW177	17/06/2018	C	-	6 - 6.5	2.2531	1.739	0.491	28.3	110,799	7.06	0.07	-90.8	70,911		
0960 MW177	17/06/2018	D	-	8.5 - 9	2.2718	1.739	0.491	28	100,576	7.09	0.01	-111.3	64,369		
0960 MW177	29/11/2019	A	-	1.5 - 2	2.2299	2.01	0.22	29.4	73,791	7.01	1.73	-24.1	47,226	Cloudy,Brown	HydraSleeve
0960 MW177	24/06/2020	A	-	1.5 - 2	2.2299	1.7	0.53	27	77,445	7.52	2.58	64	49,565	cloudy, brown	
0960 MW177	24/06/2020	A	-	1.5 - 2	2.2299	1.7	0.53	27	77,445	7.52	2.58	18.7	49,565		HydraSleeve
0960 MW177	20/11/2020	A	-	1.5 - 2	2.2299	1.535	0.695	29.7	84,902	7.49	2.24	-5.7	54,337	Clear,Cloudy,Brown	
0960 MW177	23/06/2021	B	-	3.5 - 4	2.2517	0.9	1.352	24.2	71,736	7.42	2.97	51.5	45,911	Clear	HydraSleeve
0960 MW177	18/01/2022	B	-	3.5 - 4	2.2517	1.63	0.622	28.6	94,268	7.86	2.62	87.9	60,332		
0960 MW177	23/06/2022	A	-	1.5 - 2	2.2299	1.205	1.025	24.6	91,072	7.2	1.49	69	58,286	Cloudy,Brown	Peristaltic Pump
0960 MW177	22/11/2022	A	-	1.5 - 2	2.2299	1.77	0.46	27.2	91,058	7	1.09	-101.3	58,277	Cloudy	Peristaltic Pump
0960 MW177	24/03/2023	B	-	3.5 - 4	2.2517	1.63	0.622	28.6	94,268	7.86	2.62	87.9	60,332		Peristaltic Pump
0960 MW177	28/06/2023	A	-	1.5 - 2	2.2299	1.662	0.568	25.5	92,355	7.03	2.94	-2.2	59,107		Peristaltic Pump
0960 MW177	8/11/2023	A	-	1.5 - 2	2.2299	1.87	0.36	28.7	94,669	7.03	1.03	-29.7	60,588	Cloudy,Brown	Peristaltic Pump
0960 MW177	23/05/2024	A	-	1.5 - 2	2.2299	1.739	0.491	30.6	92,289	6.93	3.24	-61.3	59,065		Peristaltic Pump
0960 MW177	15/12/2024	A	2.538	1.5 - 2	2.2299	1.466	0.764	30.5	95,267	6.87	0.09	-137.1	60,971	Clear, colourless, no turbidity, no sediment load, no odour, no sheen	Low flow/peri pump
0960 MW177	15/12/2024	B	4.565	3.5 - 4	2.2517	1.466	0.764	29.7	95,168	6.97	0.15	-122.9	60,908	Pale yellow, moderate turbidity, moderate sediment load, no odour, no sheen	Low flow/peri pump
0960 MW177	15/12/2024	C	6.655	6 - 6.5	2.2531	1.466	0.764	29.3	95,980	6.99	0.12	-130.4	61,427	Pale yellow, moderate turbidity, moderate sediment load, no odour, no sheen	Low flow/peri pump
0960 MW177	15/12/2024	D	8.884	8.5 - 9	2.2718	1.466	0.764	28.9	95,900	6.74	0.15	-96.2	61,376	Pale yellow, moderately turbidity, low sediment load, no odour, no sheen	Low flow/peri pump
0960 MW177	29/06/2025	A	2.547	1.5 - 2	2.2299	1.373	0.857	26.7	89,945	6.93	0.12	-26.2	57,565	Colourless, low turbidity, no sediment, no odour, no sheen	Low flow/peri pump
0960 MW177	29/06/2025	B	4.585	3.5 - 4	2.2517	1.373	0.857	27.7	88,329	6.96	0.07	-119	56,531	Very pale brown, low turbidity, no sediment, no odour, no sheen	Low flow/peri pump
0960 MW177	29/06/2025	C	6.812	6 - 6.5	2.2531	1.373	0.857	28.1	88,622	6.97	0.04	-141	56,718	Very pale brown, low turbidity, no sediment, no odour, no sheen	Low flow/peri pump
0960 MW177	29/06/2025	D	8.846	8.5 - 9	2.2718	1.373	0.857	27.1	89,790	7	0.05	-132.6	57,466	Pale brown, moderate turbidity, low sediment load, no odour, no sheen	Low flow/peri pump
0960 MW178	17/06/2018	A	-	2 - 2.5	2.1612	2.068	0.093	27.9	94,559	7.05	0.12	-84.5	60,518		
0960 MW178	17/06/2018	B	-	4 - 4.5	2.1614	2.068	0.093	28.9	94,355	7.08	0.11	-93.9	60,387		
0960 MW178	17/06/2018	C	-	7 - 7.5	2.1726	2.068	0.093	28.7	89,268	7.17	0.09	-95.5	57,132		
0960 MW178	17/06/2018	D	-	9 - 9.5	2.1762	2.068	0.093	28.5	80,461	7.13	0.07	-68.9	51,495		
0960 MW178	29/11/2019	B	-	4 - 4.5	2.1614	2.3	-0.139	31.7	98,968	7.18	0.43	-23.7	63,340	Cloudy,Brown	Hydra



Location ID	Sample Date	Well	Well Depth (m bTOC)	Screen Interval	TOC Elevation (mAHD)	Depth to Water (m bTOC)	Groundwater Elevation (mAHD)	Temperature (°C) Field Measurement	EC (µS/cm) Field Measurement	pH Field Measurement	DO (mg/L) Field Measurement	Redox (mV) Field Measurement	TDS (mg/L) Field Measurement	Sample Comments	Sample Method
0960 MW178	16/12/2024	B	4.752	4 - 4.5	2.1614	1.934	0.227	30	88,185	6.95	0.12	-44.8	56,438	Colourless, low turbid, no odour, no sheen, low sediment load	Low flow/peri pump
0960 MW178	16/12/2024	C	7.571	7 - 7.5	2.1726	1.934	0.227	29.6	91,184	6.34	0.03	-17.8	58,358	Light brown, moderately turbid, no odour, no sheen, low sediment load	Low flow/peri pump
0960 MW178	16/12/2024	D	8.876	9 - 9.5	2.1762	1.934	0.227	30.4	89,263	6.97	0.01	-35.6	57,128	Brown, moderately turbid, no odour, no sheen, low sediment load	Low flow/peri pump
0960 MW178	27/06/2025	A	3.015	2 - 2.5	2.1612	1.765	0.396	28.6	100,238	7.01	1.11	-133.2	64,152	Colourless, low turbidity, low sediment load, no odour, no sheen	Low flow/peri pump
0960 MW178	27/06/2025	B	4.52	4 - 4.5	2.1614	1.765	0.396	30.7	667	7.11	6.1	-16	427	Pale white, moderate turbidity, low sediment load, no odour, no sheen	Low flow/peri pump
0960 MW178	27/06/2025	C	7.605	7 - 7.5	2.1726	1.765	0.396	29	95,134	6.98	0.75	-189.1	60,886	Pale white, low turbidity, low sediment load, no odour, no sheen	Low flow/peri pump
0960 MW178	27/06/2025	D	9.5	9 - 9.5	2.1762	1.765	0.396	28.8	96,781	6.98	0.19	-208.4	61,940	Pale white-grey, moderate turbidity, low sediment load, no odour, no sheen	Low flow/peri pump
0960 MW179	16/06/2018	B	-	3.2 - 3.7	2.2371	1.392	0.83	28.7	59,663	7.21	0.1	-76.5	38,184		
0960 MW179	16/06/2018	C	-	5.9 - 6.4	2.2653	1.392	0.83	28.7	50,874	7.15	0.06	-78	32,559		
0960 MW179	16/06/2018	D	-	8.5 - 9	2.2689	1.392	0.83	28.3	74,416	7	0.04	-74.5	47,626		
0960 MW179	29/11/2019	B	-	3.2 - 3.7	2.2371	1.71	0.527	32.6	90,064	7.63	1.79	-191.5	57,641		HydraSleeve
0960 MW179	24/06/2020	A	-	1 - 1.5	2.222	1.43	0.792	24.1	75,422	7.76	3.09	73.6	48,270	cloudy	
0960 MW179	24/06/2020	A	-	1 - 1.5	2.222	1.43	0.792	24.1	75,422	7.76	3.09	58	48,270	Cloudy, Yellow	HydraSleeve
0960 MW179	20/11/2020	B	-	3.2 - 3.7	2.2371	2.1	0.137	30	46,304	7.82	1.64	178.3	29,635		
0960 MW179	24/06/2021	B	-	3.2 - 3.7	2.2371	2.46	-0.223	18.2	1,260	6.28	10.85	34.5	806	Brown, Cloudy	HydraSleeve
0960 MW179	18/01/2022	B	-	3.2 - 3.7	2.2371	1.535	0.702	27.5	79,070	7.45	1.56	-8.17	50,605		Hydrasleeve
0960 MW179	22/06/2022	A	-	1 - 1.5	2.222	0.9	1.322	26.1	81,954	7.48	2.46	-107.9	52,451	Brown, Cloudy	Peristaltic Pump
0960 MW179	23/11/2022	A	-	1 - 1.5	2.222	1.37	0.852	26.9	40,430	7.65	2.48	-57	25,875	Cloudy	Peristaltic Pump
0960 MW179	24/03/2023	B	-	3.2 - 3.7	2.2371	1.535	0.702	27.5	79,070	7.45	1.56	-8.17	50,605	Slightly turbid	Peristaltic Pump
0960 MW179	28/06/2023	A	-	1 - 1.5	2.222	1.44	0.782	24.4	73,344	7.17	1.89	84.3	46,940	Cloudy, Brown	Peristaltic Pump
0960 MW179	8/11/2023	B	-	3.2 - 3.7	2.2371	2.14	0.097	33.5	80,827	7.73	1.18	95.9	51,729	Cloudy, Brown	Peristaltic Pump
0960 MW179	22/05/2024	A	-	1 - 1.5	2.222	1.255	0.967	27.3	85,906	7.09	1.51	43.3	54,980	Clear, Cloudy	Peristaltic Pump
0960 MW179	16/12/2024	A	2.003	1 - 1.5	2.222	1.397	0.825	32.4	78,755	6.79	0.64	-79.3	50,403	Colourless, no odour, no sheen, low to moderate sediment load, low turbidity	Low flow/peri pump
0960 MW179	16/12/2024	B	2.961	3.2 - 3.7	2.2371	1.397	0.825	29.7	76,331	6.89	0	-107.7	48,852	Pale brown, no odour, no sheen, low to moderate sediment load, high turbidity	Low flow/peri pump
0960 MW179	16/12/2024	C	3.774	5.9 - 6.4	2.2653	1.397	0.825	31.2	78,475	6.64	1.25	-63.6	50,224	Pale brown, no odour, no sheen, low to moderate sediment load, high turbidity	Low flow/peri pump
0960 MW179	16/12/2024	D	6.06	8.5 - 9	2.2689	1.397	0.825	31.1	52,099	7.12	0.04	-109.1	33,343	Pale brown/orange, no odour, no sheen, moderate sediment load, moderate turbidity	Low flow/peri pump
0960 MW179	28/06/2025	A	2.06	1 - 1.5	2.222	1.228	0.994	25.2	95,508	7.16	1.11	-98.7	61,125	Pale brown, moderate turbidity, moderate sediment load, no odour, no sheen	Low flow/peri pump
0960 MW179	28/06/2025	B	3.805	3.2 - 3.7	2.2371	1.228	0.994	27.3	81,489	7.16	1.08	-97.6	52,153	Pale brown, low turbidity, no sediment, no odour, no sheen	Low flow/peri pump
0960 MW179	28/06/2025	C	6.46	5.9 - 6.4	2.2653	1.228	0.994	28	79,453	7.13	0.08	-152.2	50,850	Colourless, low turbidity, no sediment, no odour, no sheen	Low flow/peri pump
0960 MW179	28/06/2025	D	9	8.5 - 9	2.2689	1.228	0.994	27.4	78,260	6.96	0.13	-129.4	50,086	Colourless, moderate turbidity, low sediment load, no odour, no sheen	Low flow/peri pump
0960 MW180	17/06/2018	A	-	1 - 1.5	1.9179	1.48	0.438	25.1	83,777	7.13	0.13	75.7	53,617		
0960 MW180	17/06/2018	B	-	3.5 - 4	1.9226	1.48	0.438	27.1	89,229	7.09	0.23	-39.5	57,107		
0960 MW180	17/06/2018	C	-	6 - 6.5	1.9368	1.48	0.438	28	91,447	7.21	0.25	-74.6	58,526		
0960 MW180	17/06/2018	D	-	8.5 - 9	1.9458	1.48	0.438	27.8	90,374	7.04	0.13	-65.8	57,839		
0960 MW180	29/11/2019	C	-	6 - 6.5	1.9368	1.75	0.187	31	89,128	7.38	0.98	-231.2	57,042		HydraSleeve
0960 MW180	24/06/2020	B	-	3.5 - 4	1.9226	1.47	0.453	24	89,811	7.32	0.55	-56.4	57,479		
0960 MW180	24/06/2020	B	-	3.5 - 4	1.9226	1.47	0.453	24	89,811	7.32	0.55	-56.4	57,479		HydraSleeve
0960 MW180	21/11/2020	B	-	3.5 - 4	1.9226	1.521	0.402	27.7	96,847	6.79	1.09	78.3	61,982	Clear	
0960 MW180	24/06/2021	A	-	1 - 1.5	1.9179	1.16	0.758	22.5	62,058	7.59	3.54	103.4	39,717	Cloudy, Brown	HydraSleeve
0960 MW180	18/01/2022	B	-	3.5 - 4	1.9226	1.64	0.283	28.3	91,645	7.49	2.2	-61.7	58,653		Hydrasleeve
0960 MW180	23/06/2022	A	-	1 - 1.5	1.9179	0.85	1.068	25.1	91,570	7.47	2.56	36.4	58,605	Clear	Peristaltic Pump
0960 MW180	23/11/2022	B	-	3.5 - 4	1.9226	1.52	0.403	29	90,725	7.47	2.23	-104.7	58,064	Cloudy, Brown	Peristaltic Pump
0960 MW180	24/03/2023	B	-	3.5 - 4	1.9226	1.64	0.283	28.3	91,645	7.49	2.2	-61.7	58,653		Peristaltic Pump
0960 MW180	28/06/2023	B	-	3.5 - 4	1.9226	1.51	0.413	24	76,301	7.06	2.18	39.6	48,833	Cloudy, Brown	Peristaltic Pump
0960 MW180	8/11/2023	B	-	3.5 - 4	1.9226	1.836	0.087	28.8	86,402	7.46	2.43	-64.3	55,297	Cloudy	Peristaltic Pump
0960 MW180	16/01/2024	-	1.87	-	-	-	-	33.7	88,685	7.13	0.62	107.7	56,758	Low sediment load. cloudy orange. no odour.	Low flow/peri pump
0960 MW180	23/05/2024	A	-	1 - 1.5	1.9179	1.27	0.648	25.7	87,477	7.15	2.72	102.7	55,985	Cloudy, Brown	Peristaltic Pump
0960 MW180	28/06/2025	A	1.898	1 - 1.5	1.9179	1.09	0.828	24.6	90,445	7.22	1.18	16.4	57,885	Pale brown, moderate turbidity, low sediment load, no odour, no sheen	Low flow/peri pump
0960 MW181	16/06/2018	A	-	1.5 - 2	2.2333	1.855	0.378	27.6	103,968	7.02	1.24	47.4	66,540		
0960 MW181	16/06/2018	B	-	3.5 - 4	2.2773	1.855	0.378	28.3	106,635	7.18	1.65	32.7	68,246		
0960 MW181	16/06/2018	C	-	5.5 - 6	2.2789	1.855	0.378	29	107,962	6.74	0.16	-12	69,096		
0960 MW181	16/06/2018	D	-	7 - 7.5	2.3122	1.855	0.378	29.1	96,186	6.7	0.07	-60	61,559		
0960 MW181	29/11/2019	B	-	3.5 - 4	2.2773	2.05	0.227	28.8	1,255	7.15	8.55	58.8	803		HydraSleeve
0960 MW181	24/06/2020	B	-	3.5 - 4	2.2773	2.05	0.227	23.8	96,553	7.54	1.91	50.6	61,794	cloudy, brown	
0960 MW181	24/06/2020	B	-	3.5 - 4	2.2773	2.05	0.227	23.8	96,553	7.54	1.91	50.6	61,794		HydraSleeve
0960 MW181	20/11/2020	A	-	1.5 - 2	2.2333	1.904	0.329	28.6	108,667	6.76	1.21	3.9	69,547	Cloudy, Brown	
0960 MW181	24/06/2021	C	-	5.5 - 6	2.2789	1.52	0.759	23.7	101,852	6.81	1.35	-3	65,185	Clear	HydraSleeve
0960 MW181	18/01/2022	B	-	3.5 - 4	2.2773	1.81	0.467	28.3	103,120	7.21	1.52	77.7	65,997		
0960 MW181	23/06/2022	B	-	3.5 - 4	2.2773	1.3	0.977	25.9	101,760	7.42	1.78	38	65,126	Clear	Peristaltic Pump
0960 MW181	23/11/2022	A	-	1.5 - 2	2.2333	2.14	0.093	28.6	97,674	7.08	2.04	-87.7	62,511	Cloudy, Brown	Peristaltic Pump
0960 MW181	24/03/2023	B	-	3.5 - 4	2.2773	1.81	0.467	28.3	103,120	7.21	1.52	77.7	65,997	Brown	Peristaltic Pump
0960 MW181	28/06/2023	A	-	1.5 - 2	2.2333	1.85	0.383	23.4	88,842	7.03	1.99	96.6	56,859	Cloudy, Brown	Peristaltic Pump
0960 MW181	8/11/2023	A	-	1.5 - 2	2.2333	2.06	0.173	30	100,365	7.11	0.53	45.4	64,234	Cloudy, Brown	Peristaltic Pump
0960 MW181	23/05/2024	A	-	1.5 - 2	2.2333	1.88	0.353	24.7	107,037	6.99	2.68	91.2	68,504	Cloudy, Brown	Peristaltic Pump
0960 MW181	16/01/2025	A	2.46	1.5 - 2	2.2333	1.761	0.472	34.2	105,311	6.85	1.08	5.5	67,399	Slightly cloudy orange, light sediment load, no odour	Low flow/peri pump
0960 MW181	28/06/2025	A	2.502	1.5 - 2	2.2333	1.583	0.65	26.6	110,877	6.95	0.25	-41.6	70,961	Colourless, clear, low sediment load, no odour, no sheen	Low flow/peri pump
0960 MW211	9/06/2018	-	-	-	6.3409	5.39	0.951	29.6	2,260	8.15	3.98	64.5	1,446		
0960 MW211	15/10/2018	-	-	-	6.3409	5.432	0.909	28.5	2,508	8	3.71	-	1,605		
0960 MW211	14/08/2019	-	-	-	6.3409	5.437	0.904	27.9	2,512	8.17	3.78	-	1,608		
0960 MW211	26/11/2019	-	-	-	6.3409	5.57	0.771	30.5	856	8.1	9.28	13.5	548	Brown, could not filter, only half filled sleeve	HydraSleeve
0960 MW211	24/06/2020	-	-	-	6.3409	5.455	0.886	27.5	2,329	7.96	3.79	-76.4	1,491		
0960 MW211	24/06/2020	-	-	-	6.3409	5.455	0.886	27.5	2,329	7.96	3.79	-76.4	1,491	Cloudy, Brown	HydraSleeve
0960 MW211	14/10/2020	-	-	-	6.3409	5.591	0.75	29.3	2,487	7.9	4.73	104.4	1,592	Cloudy, very pale orange/brown, no odour, no sheen, moderate sediment load	
0960 MW211	19/11/2020	-	-	-	6.3409	5.64	0.701	30.6	2,698	8.23	4.47	27.9	1,727	Clear, Brown	
0960 MW211	23/02/2021	-	-	-	6.3409	5.595	0.746	31.5	2,566	8.21	3.33	33.8	1,642	Cloudy, deep orange-red, no odour, no sheen, high sediment load	
0960 MW211	23/06/2021	-	-	-	6.3										



Location ID	Sample Date	Well	Well Depth (m bTOC)	Screen Interval	TOC Elevation (mAHD)	Depth to Water (m bTOC)	Groundwater Elevation (mAHD)	Temperature (°C) Field Measurment	EC (µS/cm) Field Measurment	pH Field Measurement	DO (mg/L) Field Measurement	Redox (mV) Field Measurement	TDS (mg/L) Field Measurement	Sample Comments	Sample Method
0960 MW211	5/11/2024	-	-	-	6.3409	5.7	0.641	31.3	1,258	8.19	3.25	53.7	805	Light orange,no ordour,moderate turbidity	Grab
0960 MW211	12/12/2024	-	6.89	-	6.3409	5.71	0.631	29.9	1,714	8.23	4.08	-79.1	1,097	Highly turbid, orange, no odour, no sheen, moderate sediment load	o purge/hydrasleeve
0960 MW211	23/06/2025	-	6.95	-	6.3409	5.295	1.046	23.2	1,728	8.14	4.12	-79.7	1,106	Pale yellow, moderate turbidity, low sediment, no sheen, no odour	o purge/hydrasleeve
0960 MW222	22/02/2018	-	-	0.2 - 3.2	2.383	1.999	0.384	28.6	38,032	6.99	0.56	-46.3	24,340		
0960 MW222	17/06/2018	-	-	0.2 - 3.2	2.383	1.955	0.428	27.7	42,982	6.88	0.34	38.2	27,508		
0960 MW222	15/12/2024	-	3.789	0.2 - 3.2	2.383	2.184	0.199	29.4	52,315	6.86	0.65	-37.7	33,482	Pale orange, moderate turbidity, organic matter (roots), low sediment load,	o purge/hydrasleeve
0960 MW222	30/06/2025	-	3.8	0.2 - 3.2	2.383	1.998	0.385	18.4	48,317	7.06	1.05	-7.9	30,923	Pale yellow/brown, moderate turbidity, moderate sediment, no odour, no sheen	o purge/hydrasleeve
0960 MW227	22/06/2018	-	-	-	31.536	29.87	1.666	27.5	2,228	6.95	2.8	91.4	1,426		
0960 MW227	13/12/2024	0	-	-	-	-	-	30.6	1,097	6.87	2.94	-53	702	Clear, colourless, no odour, no sheen, no turbidity	abstraction bore
0960 MW230	22/06/2018	-	-	-	38.444	36.67	1.774	25.7	1,060	6.88	2.13	95.6	678		
0960 MW230	13/12/2024	0	-	-	-	-	-	35.9	3,130	7.04	0.98	-80.6	2,003	Clear, colourless, no odour, no sheen, no turbidity	abstraction bore
0960 MW233	10/06/2018	-	-	4 - 7	6.262	5.32	0.942	30.1	2,260	7.93	4.05	84.9	1,446		
0960 MW233	15/10/2018	-	-	4 - 7	6.262	5.369	0.893	29.1	2,000	8.17	3.07	-	1,280		
0960 MW233	15/08/2019	-	-	4 - 7	6.262	5.265	0.997	28.9	2,282	8	2.89	-	1,460		
0960 MW233	15/10/2020	-	-	4 - 7	6.262	5.502	0.76	30.5	2,062	8.18	4.2	8.6	1,320	Highly turbid, red/brown, no odour, no sheen, high sediment load	
0960 MW233	23/02/2021	-	-	4 - 7	6.262	5.538	0.724	32.8	2,231	7.99	2.2	39.1	1,428	Cloudy, dark orange, no odour, no sheen, high sediment load	
0960 MW233	23/06/2021	-	-	4 - 7	6.262	5	1.262	25.2	1,973	8.27	2.59	129.6	1,263		HydraSleeve
0960 MW233	23/11/2021	-	-	4 - 7	6.262	5.286	0.976	28.8	1,861	8.22	2.43	82.1	1,191	Orange, no odour, high sediment load, no sheen	HydraSleeve
0960 MW233	18/01/2022	-	-	4 - 7	6.262	5.247	1.015	33.1	1,707	8.24	2.93	76.1	1,092	124/224	Hydrasleeve
0960 MW233	22/06/2022	-	-	4 - 7	6.262	4.8	1.462	27.4	1,983	8.3	2.71	5.7	1,269	Cloudy,Brown	Hydrasleeve
0960 MW233	1/11/2022	-	-	4 - 7	6.262	5.067	1.195	28.6	12,837	7.14	1.62	49.9	8,216	clear, orange/brown, no odour, no sheen, moderate sediment load	Hydrasleeve
0960 MW233	22/11/2022	-	-	4 - 7	6.262	5.067	1.195	28.8	2,026	7.66	2.89	-6.3	1,297		HydraSleeve
0960 MW233	24/03/2023	-	-	4 - 7	6.262	5.247	1.015	33.1	1,707	8.24	2.93	76.1	1,092	Brown	Hydrasleeve
0960 MW233	28/06/2023	-	-	4 - 7	6.262	5.346	0.916	28.8	12,459	7.44	3.06	0.1	7,974		HydraSleeve
0960 MW233	6/09/2023	-	-	4 - 7	6.262	5.423	0.839	30	2,024	8.05	2.94	69.2	1,295	Pale orange, slightly turbid, moderate sedimetn load, no odour or sheen	hydrasleeve
0960 MW233	8/11/2023	-	-	4 - 7	6.262	5.649	0.613	30.9	12,095	7.39	2.61	-91.2	7,741	Cloudy	HydraSleeve
0960 MW233	22/05/2024	-	-	4 - 7	6.262	5.756	0.506	31	12,212	7.3	2.09	89	7,816		HydraSleeve
0960 MW233	5/11/2024	-	-	4 - 7	6.262	5.94	0.322	32.1	1,464	8.14	4.22	55.3	937	Light orange, moderate turbidity, nil oodour	Grab
0960 MW233	5/11/2024	-	-	4 - 7	6.262	5.94	0.322	32.1	1,464	8.14	4.22	55.3	937	Light orange,no ordour,moderate turbidity	Grab
0960 MW233	12/12/2024	-	6.956	4 - 7	6.262	5.625	0.637	31.5	1,952	8.07	2.34	-68.2	1,249	Orange/brown. highly turbid, moderate fine sediment load, no sheen	o purge/hydrasleeve
0960 MW233	23/06/2025	-	6.99	4 - 7	6.262	5.213	1.049	26.6	1,870	8.09	2.2	-90.9	1,197	Pale orange, moderately turbid, moderate sediment, no sheen, no odour	o purge/hydrasleeve
0960 MW238	16/03/2020	-	-	3 - 6	3.98	3.83	0.147	32.4	1,092	7.35	1.72	-	699		
0960 MW238	18/01/2022	-	-	3 - 6	3.98	3.16	0.82	26.4	9,177	7.74	3.57	5,967	5,873	QC115/215	Hydrasleeve
0960 MW238	22/06/2022	-	-	3 - 6	3.98	2.92	1.06	27.1	5,913	7.8	4.14	50.1	3,784	Sampled instead of MW016	Hydrasleeve
0960 MW238	22/11/2022	-	-	3 - 6	3.98	3.48	0.5	27.9	17.5	8.18	7.24	-17.2	11	Cloudy	HydraSleeve
0960 MW238	24/03/2023	-	-	3 - 6	3.98	3.16	0.82	26.4	9,177	7.74	3.57	5,967	5,873	Cloudy,Brown	Hydrasleeve
0960 MW238	28/06/2023	-	-	3 - 6	3.98	3.65	0.33	26.6	6,070	7.9	3.87	22.8	3,885	Cloudy	HydraSleeve
0960 MW238	8/11/2023	-	-	3 - 6	3.98	3.79	0.19	27.7	6,089	7.78	3.59	37.3	3,897	Cloudy	HydraSleeve
0960 MW238	22/05/2024	-	-	3 - 6	3.98	3.68	0.3	28.6	6,217	7.73	-	-61.6	3,979	Brown	HydraSleeve
0960 MW238	12/12/2024	-	6.04	3 - 6	3.98	3.804	0.176	29.7	5,133	7.92	5.12	-85.5	3,285	Highly turbid, brown, high sediment load, no odour, no sheen	o purge/hydrasleeve
0960 MW239	25/06/2025	0	3.73	-	-	2.34	0.151	30.7	52,323	6.92	0.23	-211.9	33,487	Clear, colourless, no sheen, no odour, low sediment load	Low flow/peri pump



Location ID	Sample Date	Temperature (°C) Field Measurement	EC (µS/cm) Field Measurement	pH Field Measurement	DO (mg/L) Field Measurement	Redox (mV) Field Measurement	TDS (mg/L) Field Measurement	Sample Comments
0960_SW001	01 Dec 2019	26	63,312	7.98	4.24	-345.3	40520	Cloudy
0960_SW001	20 Nov 2020	35.5	89,662	8.06	4.2	-	57384	
0960_SW001	04 Mar 2021	33.6	37,379	8.26	4.4	84.3	23923	Colourless
0960_SW001	23 Jun 2021	20.3	27,761	8.05	6.03	66.9	17767	Clear
0960_SW001	24 Nov 2021	33.8	77,382	8.15	3.09	88.4	49524	
0960_SW001	18 May 2022	21.2	59,727	8.07	4.27	90	38225	
0960_SW001	23 Jun 2022	20	56,519	8.56	7.03	65.8	36172	Clear
0960_SW001	23 Nov 2022	35.9	94,197	7.76	3.36	-23.1	60286	Clear
0960_SW001	28 Jun 2023	22.7	72,706	8.07	3.36	38.1	46532	
0960_SW001	08 Nov 2023	36.2	100,054	7.94	3.07	101.2	64035	Sampled from shallow puddle
0960_SW001	15 Dec 2024	38.7	65,635	8.14	5.76	-44.4	42,676	Colourless, low turbidity, no sheen, no odour, low sediment load, shells, crabs
0960_SW001	29 Jun 2025	22.9	58,688	8.17	7.13	9	37560	Pale yellow, low turbidity, low sediment load, no odour, no sheen
0960_SW108	22 Jun 2022	24.5	2,377	8.37	5.19	38.9	1521	Brown
0960_SW125	08 Nov 2023	27.3	1,394	7.74	1.87	-96.9	892	Suspected pooling from rainfall overnight.
0960_SW157	17 May 2022	23.9	8,317	-	6.31	148.9	5323	Clear
0960_SW157	22 Jun 2022	26.5	1,872	9.15	7.89	28.3	1198	Cloudy
0960_SW170	17 May 2022	21	593	5.95	4.65	195	380	PH probe faulty
0960_SW170	22 Jun 2022	20.6	324	8.61	3.63	36.6	207	Clear
0960_SW189	28 May 2020	17.8	3,534	8.43	6.63	98	2262	Medium
0960_SW189	04 Mar 2021	268	1,216	843	203	922	778	Brown
0960_SW189	24 Jun 2021	15.3	1,451	7.25	7.4	154.6	929	brown
0960_SW189	17 May 2022	21.8	4,307	-	4.98	199.2	2756	Wrong pH
0960_SW189	23 Jun 2022	16.8	1,260	7.49	6.35	48.7	806	Cloudy
0960_SW190	04 Mar 2021	320	758	829	126	654	485	Clear/brown
0960_SW190	23 Jun 2021	15.8	5,535	8.83	9.86	25.6	3542	Clear
0960_SW190	17 May 2022	22	5,554	-	5.51	207.7	3555	PH probe faulty
0960_SW190	23 Jun 2022	25.8	2,607	8.79	6.16	18.3	1668	Clear
0960_SW192	18 May 2022	17.3	40,893	8.14	5.49	101.9	26172	Clear
0960_SW192	23 Jun 2022	22.9	9,358	8.13	4.15	26.9	5989	Clear
0960_SW192	26 Jun 2025	26.5	75,195	7.59	3.54	-57.1	48125	Pale yellow, moderate turbidity, no odour, no sheen, low sediment load, water running through sediment
0960_SW193	28 May 2020	19.3	33,839	7.85	3.03	135.3	21657	Low
0960_SW193	04 Mar 2021	340	2,587	816	188	8,966	1656	
0960_SW193	23 Jun 2021	19.9	50,328	8.27	4.93	65.4	32210	Clear
0960_SW193	18 May 2022	17.3	41,281	8.09	5.26	98.5	26420	Clear
0960_SW193	23 Jun 2022	22.9	2,425	8.43	6.99	19.8	1552	Clear
0960_SW193	26 Jun 2025	19.8	64,713	7.81	0.72	-81.3	41416	Yellow/brown, moderate turbidity, no odour, no sheen, taken from crab hole, water running through sediment
0960_SW199	26 May 2020	22	526	8.05	1.16	113.7	337	Low
0960_SW199	04 Mar 2021	30.3	727	8.01	1.82	90	465	Brown
0960_SW199	22 Jun 2022	26.8	2,144	7.68	1.99	12.3	1372	Recent rain
0960_SW200	26 May 2020	17.8	1,900	8.62	11.83	114	1216	Medium
0960_SW200	04 Mar 2021	30	138.2	8.15	3.26	115.6	88	Brown
0960_SW200	24 Jun 2021	17.1	1,357	8.64	7.47	58.2	868	Clear/cloudy
0960_SW200	22 Jun 2022	25.8	253.4	8.16	5.76	30.2	162	Recent rain, creek bed full
0960_SW205	14 Jun 2018	14.6	65,126	7.74	4.95	115.2	41681	
0960_SW205	27 May 2020	27.6	60,782	8.37	4.38	140.3	38900	Low,Medium
0960_SW205	20 Nov 2020	33.7	94,981	8.01	3.41	61.2	60788	
0960_SW205	04 Mar 2021	31.2	54,728	8	3.56	86.5	35026	
0960_SW205	24 Jun 2021	16.1	34,521	7.6	6.06	99.1	22093	Clear
0960_SW205	17 May 2022	24.1	57,152	-	4.85	131	36577	Clear
0960_SW205	23 Jun 2022	20.4	69,153	7.76	4.21	50.9	44258	Pooling water puddle
0960_SW205	23 Nov 2022	27.9	94,406	8.16	4.6	-82.1	60420	Cloudy brown
0960_SW205	16 Jan 2025	26.8	70,902	7.65	1.76	76.3	46,094	Clear, faint/pale grey brown, organic sour smell
0960_SW205	29 Jun 2025	21.7	63,353	8.13	5.42	36.4	40546	Pale yellow, low turbidity, low sediment load, no odour, no sheen
0960_SW207	13 Jun 2018	23.8	68,223	8.09	4.6	88.7	43663	
0960_SW207	02 Dec 2019	34.3	76,950	7.52	2.69	-364	49248	Clear
0960_SW207	27 May 2020	26.1	67,366	8.21	7.74	138.2	43114	Medium
0960_SW207	20 Nov 2020	32.3	58,687	8.2	3.42	155.2	37560	QC111
0960_SW207	04 Mar 2021	320	54,484	7.99	3.75	84.1	34870	Clear
0960_SW207	24 Jun 2021	22.2	62,965	7.97	5.27	111.5	40298	Clear
0960_SW207	24 Nov 2021	28.8	62,828	7.79	3.96	15.4	40210	
0960_SW207	18 May 2022	22.8	55,291	8.12	4.42	115.6	35386	clear
0960_SW207	23 Jun 2022	22.5	54,623	7.64	3.05	43	34959	Clear



Location ID	Sample Date	Temperature (°C) <i>Field Measurement</i>	EC (µS/cm) <i>Field Measurement</i>	pH <i>Field Measurement</i>	DO (mg/L) <i>Field Measurement</i>	Redox (mV) <i>Field Measurement</i>	TDS (mg/L) <i>Field Measurement</i>	Sample Comments
0960_SW207	23 Nov 2022	30	69,745	7.94	4.16	104.2	44637	Clear
0960_SW207	28 Jun 2023	17.7	47,946	7.91	4.84	123.2	30685	
0960_SW207	08 Nov 2023	29.5	61,714	7.72	3.58	-69.7	39497	
0960_SW207	16 Jan 2025	27.2	59,618	7.87	2	91.2	38,755	Grey-brown, medium to low sediment load, highly organic and sour/"yeasty" smell.
0960_SW207	28 Jun 2025	22.2	68,339	7.77	6.32	36.4	43737	Pale yellow, moderate turbidity, mod sediment load, no odour, no sheen
0960_SW208	14 Jun 2018	17.9	55,681	8.04	5.98	115.8	35636	
0960_SW208	01 Dec 2019	26.8	58,856	7.9	4.54	-421.1	37668	Clear
0960_SW208	26 May 2020	19.5	50,541	8.36	5.27	101.5	32346	Medium,High
0960_SW208	19 Nov 2020	29.4	65,205	8.21	3.92	-25.8	41731	QC110
0960_SW208	04 Mar 2021	29.7	54,507	80	3.07	833	34884	Clear
0960_SW208	24 Jun 2021	15.1	57,188	7.86	5.32	131.9	36600	Clear
0960_SW208	25 Nov 2021	25.1	57,644	7.91	3.15	126.9	36892	
0960_SW208	17 May 2022	21.8	55,049	-	4.08	146.9	35231	PH reading looks wrong
0960_SW208	23 Jun 2022	19.9	54,508	8	4.27	52.5	34885	Clear
0960_SW208	23 Nov 2022	24.1	57,843	8.02	3.22	-87.1	37020	Clear
0960_SW208	28 Jun 2023	15.7	43,088	8.04	6.11	155.2	27576	
0960_SW208	08 Nov 2023	24.4	57,019	8.17	3.59	124.1	36492	Creek mouth connected to ocean (tidal). QC124, QC224
0960_SW208	15 Dec 2024	28.4	56,900	7.82	4.52	-47	39,150	Low to moderate turbidity, pale green, no sheen, no odour, low sediment load
0960_SW208	30 Jun 2025	19.4	49,231	8.19	6.93	19.7	31508	Pale green, low turbidity, no sediment, no odour, no sheen
0960_SW209	13 Jun 2018	21	64,473	7.79	5.8	82.7	41263	
0960_SW209	26 May 2020	21.4	45,233	8.24	4.23	135.5	28949	Low
0960_SW209	20 Nov 2020	31.7	63,862	8.24	3.26	156	40872	
0960_SW209	04 Mar 2021	34.7	25,507	8.08	4.1	75.9	16324	Brown
0960_SW209	24 Jun 2021	21.1	29,416	7.89	5.53	34.7	18826	Clear
0960_SW209	24 Nov 2021	31.2	65,972	7.68	4.55	37.2	42222	
0960_SW209	18 May 2022	22	55,102	7.81	2.51	121.1	35265	clear
0960_SW209	22 Jun 2022	21.4	36,493	7.79	3.48	-144.9	23356	Clear
0960_SW209	23 Nov 2022	28.1	63,970	7.91	2.47	-58.8	40941	Clear
0960_SW209	28 Jun 2023	22.6	62,938	7.89	5.47	46.6	40280	
0960_SW209	08 Nov 2023	32.4	73,906	7.81	2.73	125.5	47300	
0960_SW209	16 Dec 2024	31.8	60,278	7.87	5.56	-47	39,150	Very pale yellow/green, no odour, no sheen, low turbidity, low sediment load
0960_SW209	27 Jun 2025	23.3	71,260	7.91	5.14	4.3	45606	Pale yellow, low turbidity, low sediment load, no odour, no sheen
0960_SW210	13 Jun 2018	27.5	79,486	8.04	4.21	85.8	50871	
0960_SW210	26 May 2020	20.3	25,493	8.44	6.03	124.7	16316	Medium
0960_SW210	20 Nov 2020	29.1	69,889	7.99	3.37	180.1	44729	
0960_SW210	04 Mar 2021	31.9	32,976	7.71	3.17	111.5	21105	Brown
0960_SW210	24 Jun 2021	21.2	62,295	8.1	6.5	32.5	39869	
0960_SW210	18 May 2022	22.3	54,509	7.88	3.83	117.8	34886	clear
0960_SW210	22 Jun 2022	24.8	46,457	7.65	4.17	-124.5	29732	Clear
0960_SW210	23 Nov 2022	30.7	68,444	7.99	3.21	7.99	43804	Clear
0960_SW210	28 Jun 2023	15.9	68,949	7.96	3.87	42.3	44127	
0960_SW211	13 Jun 2018	23.8	83,288	7.95	6.18	89.7	53304	
0960_SW211	02 Dec 2019	35.3	108,763	8.2	4.64	48.7	69608	Brown
0960_SW211	26 May 2020	22.8	27,388	8.74	6.43	113.9	17528	High
0960_SW211	20 Nov 2020	31.4	91,215	8.39	4.08	156.6	58378	
0960_SW211	04 Mar 2021	350	32,426	807	264	1,064	20753	Clear
0960_SW211	23 Jun 2021	22	27,328	8.29	6.81	76	17490	Clear
0960_SW211	24 Nov 2021	32	94,791	7.88	4.13	3.1	60666	
0960_SW211	18 May 2022	21.1	53,854	8.02	4.73	108.7	34467	clear
0960_SW211	23 Jun 2022	16.4	35,813	7.97	4.99	83.6	22920	Clear
0960_SW211	23 Nov 2022	31.5	49,375	7.7	1.96	-47	31600	Cloudy
0960_SW211	28 Jun 2023	22.7	84,363	8.03	4.93	48.1	53992	
0960_SW211	08 Nov 2023	33.4	113,360	8.62	5.05	100.7	72550	
0960_SW211	16 Dec 2024	35.5	87,350	7.85	5.48	-55.5	56,777	Light brown, moderately turbid, no odour, slight bacterial sheen, organic matter (rooted plants), low sediment load
0960_SW211	27 Jun 2025	26	72,228	8	3.7	5.9	46226	Very pale yellow-brown, low turbidity, low sediment load, no odour, no sheen, sediment/silt on top
0960_SW219	27 May 2020	21.6	3,505	8.87	10.56	100	2243	High
0960_SW219	04 Mar 2021	305	4,214	867	384	808	2697	Brown
0960_SW219	17 May 2022	25.3	367.5	-	4.7	157.6	235	PH reading looks wrong
0960_SW227	22 Jun 2022	22.9	1,362	8	1.28	10	872	Clear
0960_SW265	19 Jun 2018	23.4	133.6	8.38	7.45	81.8	86	
0960_SW265	23 Jun 2021	17.3	4,580	8.35	7.35	87.8	2931	Orange
0960_SW265	17 May 2022	21.2	6,188	-	5.14	155	3960	PH reading looks wrong



Location ID	Sample Date	Temperature (°C) Field Measurement	EC (µS/cm) Field Measurement	pH Field Measurement	DO (mg/L) Field Measurement	Redox (mV) Field Measurement	TDS (mg/L) Field Measurement	Sample Comments
0960_SW265	22 Jun 2022	25.1	3,528	9.08	7.44	34.1	2258	Clear
0960_SW288	20 Jun 2018	27.2	288.1	8.2	4.29	53.9	184	
0960_SW288	04 Mar 2021	329	2,708	825	137	797	1733	
0960_SW288	18 May 2022	20.2	52,884	8.11	4.04	97.8	33846	clear
0960_SW288	23 Jun 2022	25.4	1,753	8.82	6.18	41	1122	Clear
0960_SW291	20 Jun 2018	22.6	174.6	8.18	4.83	67.7	112	
0960_SW293	20 Jun 2018	19.2	168.8	8.05	6.7	74.6	108	
0960_SW298	14 Jun 2018	16.2	108,650	8.15	4.6	120.9	69536	
0960_SW298	24 Jun 2021	20.3	5,372	8.47	7.9	89.2	3438	Orange
0960_SW298	17 May 2022	25.4	60,054	-	4.1	180.6	38435	clear
0960_SW298	23 Jun 2022	19.2	1,147	8.49	4.65	44	734	Clear
0960_SW300	13 Jun 2018	23.2	82,946	7.96	3.79	91.2	53085	
0960_SW300	02 Dec 2019	35.8	118,794	8.3	4.61	-423.7	76028	
0960_SW300	26 May 2020	18.5	20,975	8.7	8.55	109.9	13424	High
0960_SW300	20 Nov 2020	37.4	124,945	8.67	4.74	35.1	79965	
0960_SW300	04 Mar 2021	32.3	30,632	8.48	4.21	87	19604	Colourless
0960_SW300	23 Jun 2021	19	27,647	8.26	7.19	80.5	17694	Clear
0960_SW300	24 Nov 2021	30.8	95,529	7.86	3.97	101.1	61139	
0960_SW300	18 May 2022	22	56,593	8.2	8.81	99.3	36220	clear
0960_SW300	23 Jun 2022	16.1	35,690	8.13	5.93	82	22842	Clear
0960_SW300	23 Nov 2022	32.2	55,265	7.64	2.22	-28.2	35370	Cloudy
0960_SW300	28 Jun 2023	21	85,075	7.86	3.13	40.5	54448	
0960_SW300	08 Nov 2023	35.1	113,756	8.97	0	103.5	72804	Puddle in 4WD tracks
0960_SW300	15 Dec 2024	37.4	78,800	6.9	3.92	-24.1	51,308	Colourless, low turbidity, no odour, no sheen, organic matter (leaves, insects, fish)
0960_SW300	29 Jun 2025	21.5	61,160	8.06	5.5	22.5	39142	Pale yellow, low turbidity, low sediment load, no odour, no sheen
0960_SW301	20 Jun 2018	18.7	52,283	7.97	6.11	121.4	33461	
0960_SW301	25 May 2020	19.1	18,507	8.39	11.69	101.6	11844	Medium,High
0960_SW301	20 Nov 2020	35.5	89,662	8.06	4.2	12.3	57384	
0960_SW301	24 Jun 2021	18.6	67,552	7.78	4.92	115.3	43233	Clear
0960_SW301	25 Nov 2021	30	89,283	8.12	3.61	139	57141	
0960_SW301	17 May 2022	24.5	59,151	7.78	4.48	60.3	37857	Clear
0960_SW301	23 Jun 2022	22.1	90,882	8	4.21	51.1	58164	Pooling water
0960_SW301	23 Nov 2022	30.9	82,627	8.31	4.41	-92.2	52881	Clear
0960_SW301	16 Jan 2025	29.6	73,107	8.08	0.78	86.5	47,530	Pale yellow/brown, medium sediment load, organic sour odour
0960_SW301	28 Jun 2025	24.2	65,259	7.85	5.46	54	41766	Pale yellow, low turbidity, low sediment load, no odour, no sheen
0960_SW302	20 Jun 2018	18.8	65,430	7.67	3.8	102.1	41875	
0960_SW302	02 Dec 2019	34.6	83,226	7.77	3.19	48.8	53265	Brown
0960_SW302	26 May 2020	19.9	42,402	8.1	3.81	127.3	27137	Low
0960_SW302	20 Nov 2020	32.2	65,707	8.16	3.31	172.9	42052	
0960_SW302	04 Mar 2021	35.2	38,984	8.12	3.42	71.9	24950	
0960_SW302	24 Jun 2021	20.4	52,230	7.92	4.85	47.8	33427	Clear
0960_SW302	24 Nov 2021	34.1	72,640	8.02	5.56	-18.3	46490	
0960_SW302	18 May 2022	21.1	55,446	7.83	3.02	117.9	35485	clear
0960_SW302	22 Jun 2022	23.7	31,687	7.92	4.96	-115.5	20280	Clear
0960_SW302	23 Nov 2022	27	77,626	7.8	1.27	-68.2	49681	Clear
0960_SW302	28 Jun 2023	18.2	64,491	7.87	4.38	44.4	41274	
0960_SW302	08 Nov 2023	32.4	93,370	7.97	3.4	96.3	59757	
0960_SW302	16 Dec 2024	34.9	63,153	7.83	5.11	-42.9	41,049	Colourless, no odour, no sheen, low turbidity, low sediment load
0960_SW302	25 Jun 2025	23.5	71,289	7.95	5.33	4.6	45625	Creek, pale yellow/green, no odour, no sheen
0960_SW303	20 Jun 2018	23.1	734	8.19	4.89	69.9	470	
0960_SW303	02 Dec 2019	30.8	74,509	7.6	3.55	37.6	47686	Clear
0960_SW303	26 May 2020	17.9	36,922	8.15	5.2	104.3	23630	Medium
0960_SW303	20 Nov 2020	28.8	68,473	7.97	3.9	-5.7	43823	
0960_SW303	04 Mar 2021	29.2	54,377	8.02	3.54	85.7	34801	Clear
0960_SW303	23 Jun 2021	17.1	53,079	7.8	5.46	25.1	33971	Clear
0960_SW303	24 Nov 2021	29.8	68,662	7.74	3.18	36.1	43944	
0960_SW303	18 May 2022	21.4	55,447	7.78	2.14	66	35486	clear
0960_SW303	23 Jun 2022	19	33,928	7.85	3.2	37.3	21714	Clear
0960_SW303	23 Nov 2022	29.4	59,682	8.61	1.93	113.5	38196	Brown
0960_SW303	28 Jun 2023	16.7	64,147	7.9	4.63	33.1	41054	
0960_SW303	08 Nov 2023	29	73,772	7.27	1.48	-33.2	47214	
0960_SW303	15 Dec 2024	28.2	53,915	7.62	1.63	-87.1	35,034	Pale yellow/green, slight bacterial sheen, no odour, slightly-moderately turbid



Location ID	Sample Date	Temperature (°C) <i>Field Measurement</i>	EC (µS/cm) <i>Field Measurement</i>	pH <i>Field Measurement</i>	DO (mg/L) <i>Field Measurement</i>	Redox (mV) <i>Field Measurement</i>	TDS (mg/L) <i>Field Measurement</i>	Sample Comments
0960_SW303	29 Jun 2025	19.5	51,643	8.07	5.64	30.2	33052	Pale yellow, low turbidity, low sediment load, no odour, no sheen
0960_SW304	20 Jun 2018	24.7	875	8.3	5.64	64.5	560	
0960_SW304	26 May 2020	17.7	47,922	8.14	4.42	106.6	30670	Medium
0960_SW304	20 Nov 2020	32.6	78,579	8.09	4.25	10.8	50291	
0960_SW304	04 Mar 2021	29.3	54,547	7.99	3.08	94.3	34910	
0960_SW304	23 Jun 2021	16.7	28,204	7.84	5.34	15.9	18051	Clear
0960_SW304	24 Nov 2021	28.7	67,438	7.39	3.17	78.6	43160	
0960_SW304	18 May 2022	22.2	55,303	7.83	3.4	60.9	35394	clear
0960_SW304	23 Jun 2022	18.8	36,381	7.66	3.56	71.6	23284	Clear
0960_SW304	23 Nov 2022	29.4	69,632	8.12	1.6	105.9	44564	Brown
0960_SW304	28 Jun 2023	19.5	58,217	7.9	6.29	106.2	37259	
0960_SW304	08 Nov 2023	32.4	84,167	8.11	4.19	136.8	53867	Stagnant water in puddle. QC127/QC227
0960_SW304	15 Dec 2024	28.8	60,518	7.79	2.24	-142.3	39,347	Moderately turbid, pale yellow, stagnant, some organic matter, bacterial sheen, no odour
0960_SW304	29 Jun 2025	20.6	53,022	8.12	6.59	33.4	33934	Pale yellow, low turbidity, low sediment load, no odour, no sheen
0960_SW305	14 Jun 2018	17.7	56,109	8.01	6.03	115.9	35910	
0960_SW305	26 May 2020	19.1	45,017	8.04	3.98	103.9	28811	Medium
0960_SW305	20 Nov 2020	33.6	84,087	8.27	3.46	6.1	53816	
0960_SW305	23 Jun 2021	19	58,390	7.93	5.25	24.4	37370	Clear
0960_SW305	24 Nov 2021	28.8	64,886	7.6	3.51	67.4	41527	
0960_SW305	18 May 2022	20.6	54,529	7.83	3.16	113.6	34899	clear
0960_SW305	23 Jun 2022	22.9	37,163	8.07	7	67.5	23784	Clear
0960_SW305	23 Nov 2022	28.5	59,045	7.98	3.81	-54.7	37789	Clear
0960_SW305	28 Jun 2023	18.5	58,046	7.79	3.57	103.6	37149	
0960_SW305	08 Nov 2023	26.7	70,704	7.67	1.92	134.2	45251	
0960_SW305	16 Jan 2025	29.5	59,787	7.85	0.56	101.1	38,866	Clear, colourless, low sediment load, slightly organic smell
0960_SW305	27 Jun 2025	21.2	57,597	8.05	6.16	-2.8	36862	Pale yellow, low turbidity, low sediment load, no odour, no sheen



Location ID	Sample Date	Temperature (°C) <i>Field Measurement</i>	EC (µS/cm) <i>Field Measurement</i>	pH <i>Field Measurement</i>	DO (mg/L) <i>Field Measurement</i>	Redox (mV) <i>Field Measurement</i>	TDS (mg/L) <i>Field Measurement</i>	Sample Comments
0960_OTH103	10 Jun 2018	18.8	47,249	7.84	4.72	-	30239	
0960_OTH103	01 Dec 2019	28.8	27,929	8.14	5.47	-315.6	17875	Seepage water
0960_OTH103	20 Nov 2020	27.6	63,985	7.83	1.95	-	40950	Seepage water, Clear,Cloudy
0960_OTH103	23 Jun 2021	17.2	36,172	7.92	6.06	-35.9	23150	Seepage water
0960_OTH103	23 Jun 2022	25.2	53,158	7.85	0.85	-77.7	34021	Seepage water, Cloudy,Black
0960_OTH103	23 Nov 2022	27.9	54,575	7.89	3.24	98.6	34928	Seepage water
0960_OTH103	28 Jun 2023	21	51,978	7.86	3.05	-134.9	33266	Cloudy,Black
0960_OTH103	08 Nov 2023	26.1	63,528	7.69	2.25	-52.4	40658	Cloudy
0960_OTH103	23 May 2024	24	56,550	7.96	4.18	108.4	36192	Cloudy,Clear
0960_OTH103	15 Dec 2024	29.9	54,425	7.82	4.08	-100.5	34832	Clear, colourless, odourless, no sheen
0960_OTH103	30 Jun 2025	20.5	51,883	7.91	4.65	32.5	33723	Pale brown, moderate turbidity, low sediment load, no odour, no sheen
0960_OTH106	09 Jun 2018	23.5	53,489	7.75	4.98	-	34233	
0960_OTH106	29 Nov 2019	29	63,803	7.7	5.26	-17.3	40834	Seepage water
0960_OTH106	26 Jun 2020	20.3	50,871	7.98	5.42	39.3	32557	Seepage water
0960_OTH106	20 Nov 2020	31.2	66,414	8.12	3.59	-	42505	Seepage water, Clear
0960_OTH106	24 Jun 2021	15.1	57,455	7.66	6.29	131.7	36771	Seepage water
0960_OTH106	23 Jun 2022	20.3	54,602	8.06	5.18	52.1	34945	Seepage water, Clear
0960_OTH106	23 Nov 2022	24.8	57,508	7.98	4.66	-95	36805	Seepage water
0960_OTH106	28 Jun 2023	15	40,997	7.94	6.58	148.2	26238	Cloudy
0960_OTH106	08 Nov 2023	28.8	57,468	7.79	2.71	-89.5	36780	Clear
0960_OTH106	22 May 2024	21.5	57,215	7.85	4.24	102.2	36618	Clear
0960_OTH106	16 Jan 2025	26.9	57,749	7.88	4.21	119	36959	high sediment load (med sand), brown grey, odourless
0960_OTH106	29 Jun 2025	20.9	51,806	8.01	6.06	37	33667	Colourless, low turbidity, no sediment, no odour, no sheen, subterranean fauna
0960_OTH107	09 Jun 2018	24.6	53,986	7.58	2.82	-	34551	
0960_OTH107	29 Nov 2019	30.9	63,173	7.79	71.5	-426.8	40431	Seepage water
0960_OTH107	26 Jun 2020	20.7	51,084	7.96	5.41	35.5	32694	Seepage water
0960_OTH107	20 Nov 2020	26.8	58,999	7.59	4.42	-	37759	Seepage water, Clear
0960_OTH107	24 Jun 2021	16	57,722	6.77	6.21	144.1	36942	Seepage water
0960_OTH107	23 Jun 2022	20.3	53,775	7.79	5.16	58.8	34416	Seepage water, Clear
0960_OTH107	23 Nov 2022	23.7	56,989	8.17	5.86	-93.7	36473	Seepage water
0960_OTH107	28 Jun 2023	14.2	37,323	7.92	7.56	136.2	23887	Cloudy
0960_OTH107	08 Nov 2023	32.6	57,068	3.06	4.02	-53.2	36524	Clear
0960_OTH107	22 May 2024	21.4	57,699	7.87	4.67	144	36927	Clear
0960_OTH107	16 Jan 2025	28	56,991	7.75	0.76	125.9	36474	high sediment load (med sand), brown grey, odourless
0960_OTH107	29 Jun 2025	21	51,033	8.1	4.3	50.2	33181	Colourless, low turbidity, no sediment, no odour, no sheen, meiofauna present
0960_OTH129	10 Jun 2018	19.5	47,485	7.67	3.65	-	30390	
0960_OTH129	01 Dec 2019	27.7	58,597	8.09	5.11	-168.6	37502	Seepage water, Clear
0960_OTH129	20 Nov 2020	28.5	68,418	7.76	1.27	-	43788	Seepage water, Clear,Cloudy
0960_OTH129	23 Jun 2021	21.3	58,193	8.19	5.89	79.4	37244	Seepage water
0960_OTH129	23 Jun 2022	26.8	32,596	7.96	4.2	23.2	20861	Seepage water, Clear
0960_OTH129	23 Nov 2022	29.5	53,742	7.74	3.05	22	34395	Seepage water
0960_OTH129	28 Jun 2023	23.8	62,086	8.36	5.42	-75.9	39735	Clear
0960_OTH129	08 Nov 2023	25.5	59,423	7.75	2.53	120.9	38031	Clear
0960_OTH129	23 May 2024	22.7	56,385	7.97	4.18	168.5	36086	Clear
0960_OTH129	14 Dec 2024	32.7	56,289	8.11	3.68	-65.2	36025	Clear, colourless, odourless, no sheen, low sediment load
0960_OTH129	30 Jun 2025	19.6	50,745	8.13	4.75	34.4	32,990	Pale green, moderate turbidity, high sediment load, no odour, no sheen
0960_OTH132	10 Jun 2018	20.5	49,903	7.79	1.95	-	36055	
0960_OTH132	01 Dec 2019	27.4	56,336	8.13	4.42	-331.5	40760	Seepage water, Clear
0960_OTH132	20 Nov 2020	25.9	63,688	7.87	1.39	-	36233	Seepage water, Clear
0960_OTH132	23 Jun 2021	16.9	56,614	8.06	5.34	68.4	35123	Seepage water
0960_OTH132	23 Jun 2022	24.6	54,880	7.68	2.28	63.6	34383	Seepage water, Clear
0960_OTH132	23 Nov 2022	26.9	53,723	6.95	2.88	74.4	37389	Seepage water
0960_OTH132	28 Jun 2023	19.3	58,420	7.83	2.81	-109.1	38979	Clear



Location ID	Sample Date	Temperature (°C) <i>Field Measurment</i>	EC (µS/cm) <i>Field Measurment</i>	pH <i>Field Measurement</i>	DO (mg/L) <i>Field Measurment</i>	Redox (mV) <i>Field Measurement</i>	TDS (mg/L) <i>Field Measurement</i>	Sample Comments
0960_OTH132	08 Nov 2023	23.7	60,905	7.67	2.58	149.6	38471	Clear
0960_OTH132	22 May 2024	24.9	60,111	7.84	-	-57.9	36955	Clear
0960_OTH132	14 Dec 2024	29.2	57,742	7.74	5.64	-91.8	32417	Clear, colourless, odourless, no sheen
0960_OTH132	30 Jun 2025	20.9	50,651	8.14	5.64	28.2	32,977	Pale yellow-brown, moderate turbidity, moderate sediment load, no odour, no sheen
0960_OTH134	01 Dec 2019	27.7	44,981	8.09	5.71	-208.7	28788	Seepage water, Clear
0960_OTH134	20 Nov 2020	29.1	69,054	7.86	3.41	-	44195	Seepage water, Cloudy,Brown
0960_OTH134	23 Jun 2021	17.8	30,756	8.06	7.14	57.4	19684	Seepage water
0960_OTH134	23 Jun 2022	22.2	2,625	8.45	5.56	12.3	1680	Seepage water, Clear
0960_OTH134	23 Nov 2022	29.4	53,233	7.63	8.2	42	34069	Seepage water
0960_OTH134	28 Jun 2023	18.6	58,963	7.8	3.25	-86.1	37736	Clear
0960_OTH134	08 Nov 2023	24.3	57,710	7.82	2.84	124.9	36934	Cloudy
0960_OTH134	22 May 2024	24.7	59,667	7.76	-	92.5	38187	Clear
0960_OTH134	14 Dec 2024	29.5	58,125	7.66	5.83	-108.7	37200	Clear, colourless, odourless, no sheen
0960_OTH134	30 Jun 2025	21.8	50,734	8.11	5.47	22.2	32,990	Pale yellow-brown, moderate turbidity, moderate sediment load, no odour, no sheen



					PFAS - Perfluoroalkyl Sulfonic Acids								PFAS - Perfluoroalkyl Carboxylic Acids												
					Perfluorobutane sulfonic acid (PFBS)	Perfluorodecanesulfonic acid (PFDS)	Perfluorononane sulfonate (PFNS)	Perfluorooctane sulfonic acid (PFHpS)	Perfluorooctane sulfonic acid (PFOS)	Perfluoropropanesulfonic acid (PFPrS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluorononanesulfonic acid (PFNS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluorobutanoic acid (PFBA)	Perfluorodecanoic acid (PFDA)	Perfluorododecanoic acid (PFDDoDA)	Perfluoroheptanoic acid (PFHpA)	Perfluorohexanoic acid (PFHxA)	Perfluorononanoic acid (PFNA)	Perfluorooctanoic acid (PFPA)	Perfluoropentanoic acid (PFPeA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorotridecanoic acid (PFTriDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluoro-n-hexadecanoic acid (PFHxDA)
LOR					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
ADWG 2011 Health (v4.0 updated June 2025)					1	0.001	0.001	0.001	0.0001	0.001	0.001	0.001	0.001	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.0005 - 0.05
					1	0.001	0.001	0.001	0.008	0.001	0.001	0.001	0.03							0.2					
Area	Location Code	Date	Field ID	Sample Type																					
Learmonth RAAF Base	0960_MW018	18 Sep 2010	MW18	Normal	-	-	-	-	1.17	-	-	-	-	-	-	-	-	-	-	0.08	-	-	-	-	-
	0960_MW018	11 Mar 2011	MW018	Normal	-	-	-	-	0.22	-	-	-	-	-	-	-	-	-	-	<0.02	-	-	-	-	-
	0960_MW018	11 Mar 2011	QC1	Field D	-	-	-	-	0.17	-	-	-	-	-	-	-	-	-	-	<0.02	-	-	-	-	-
	0960_MW018	06 Nov 2013	WA0043_MW018	Normal	-	-	-	-	0.07	-	-	-	-	-	-	-	-	-	-	<0.02	-	-	-	-	-
	0960_MW018	23 Mar 2014	WA0043-MW018-230314	Normal	-	-	-	-	0.05	-	-	-	-	-	-	-	-	-	-	<0.02	-	-	-	-	-
	0960_MW018	09 Jun 2015	WA0043-MW18	Normal	-	-	-	-	0.18	-	-	-	-	-	-	-	-	-	-	0.03	-	-	-	-	-
	0960_MW018	06 Oct 2015	WA0043-MW018	Normal	-	-	-	-	0.29	-	-	-	-	-	-	-	-	-	-	<0.02	-	-	-	-	-
	0960_MW018	15 Mar 2016	WA0043_MW18_150316	Normal	-	-	-	-	1.16	-	-	-	-	-	-	-	-	-	-	0.04	-	-	-	-	-
	0960_MW018	03 Dec 2016	MW018	Normal	-	-	-	-	2.5 ^{#3}	-	-	-	-	-	-	-	-	-	-	0.07 ^{#3}	-	-	-	-	-
	0960_MW018	06 Mar 2018	0960_MW018_180306	Normal	0.46	<0.002	-	0.10	0.84	-	0.40	-	1.6	0.19	<0.002	<0.005	0.079	0.83	0.001	0.068	0.21	<0.05	<0.01	<0.002	-
	0960_MW018	10 Jun 2018	0960_MW018_180610	Normal	0.57	<0.002	-	0.08	0.83	-	0.4	-	2.1	0.19	<0.002	<0.005	0.1	1.3	0.003	0.08	0.32	<0.05	<0.01	<0.002	-
	0960_MW018	10 Jun 2018	0960_QC644_180610	Field D	0.6	<0.002	-	0.11	1.3	-	0.53	-	2	0.21	<0.002	<0.005	0.1	1	0.002	0.079	0.26	<0.05	<0.01	<0.002	-
	0960_MW018	10 Jun 2018	0960_QC744_180610	Interlab D	0.84	<0.01	-	0.06 ^{#1}	2.4 ^{#1}	-	0.48 ^{#1}	-	3.0 ^{#1}	0.18	<0.01	<0.01	0.09 ^{#1}	1.4 ^{#1}	<0.01	0.09 ^{#1}	0.46 ^{#1}	<0.01	<0.01	<0.01	-
	0960_MW018	26 Nov 2019	0960_MW018_191126	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-
	0960_MW018	24 Jun 2020	0960_MW018_200624	Normal	0.14	<0.02	-	0.04	0.66	-	0.19	-	1.24	<0.1	<0.02	<0.02	0.04	0.39	<0.02	0.05	0.12	<0.05	<0.02	<0.02	-
	0960_MW018	19 Nov 2020	0960_MW018_201119	Normal	0.15	<0.02	-	0.05	0.78	-	0.17	-	1.32	<0.1	<0.02	<0.02	0.06	0.42	<0.02	0.07	0.10	<0.05	<0.02	<0.02	-
	0960_MW018	19 Nov 2020	0960_QC106_201119	Field D	0.08	<0.02	-	0.03	0.46	-	0.10	-	1.02	<0.1	<0.02	<0.02	0.04	0.28	<0.02	0.05	0.07	<0.05	<0.02	<0.02	-
	0960_MW018	19 Nov 2020	0960_QC206_201119	Interlab D	0.16	<0.01	-	0.045 ^{#1}	0.87 ^{#1}	0.043	0.19 ^{#1}	<0.01	1.5 ^{#1}	0.15	<0.01	<0.01	0.054 ^{#1}	0.45 ^{#1}	0.017	0.07 ^{#1}	0.11	<0.01	<0.01	<0.01	-
	0960_MW018	23 Jun 2021	0960_MW018_210623	Normal	0.06	<0.02	-	0.03	0.33	-	0.10	-	1.02	<0.1	<0.02	<0.02	0.06	0.29	<0.02	0.06	0.12	<0.05	<0.02	<0.02	-
	0960_MW018	25 Nov 2021	0960_MW018_211125	Normal	0.20	<0.02	-	0.05	0.88	-	0.20	-	1.58	0.1	<0.02	<0.02	0.04	0.54	<0.02	0.07	0.15	<0.05	<0.02	<0.02	-
	0960_MW018	22 Jun 2022	0960_MW018_220622	Normal	0.06	<0.02	-	0.05	0.55	-	0.08	-	1.14	0.8	<0.02	<0.02	0.79	1.89	<0.02	0.09	1.92	<0.05	<0.02	<0.02	-
	0960_MW018	22 Jun 2022	0960_QC117_220622	Field D	0.05	<0.02	-	0.04	0.52	-	0.07	-	1.03	0.7	<0.02	<0.02	0.68	1.70	<0.02	0.08	1.72	<0.05	<0.02	<0.02	-
	0960_MW018	22 Jun 2022	0960_QC217_220622	Interlab D	0.056	<0.004	-	0.030	0.16	-	0.077	-	0.46	0.64	<0.001	<0.001	0.29	0.82	<0.002	0.072	1.0	<0.001	<0.001	<0.001	-
	0960_MW018	22 Nov 2022	0960_MW018_221122	Normal	0.03	<0.02	-	0.06	0.40	-	0.05	-	0.77	2.9	<0.02	<0.02	6.17	6.80	<0.02	0.54	7.07	<0.05	<0.02	<0.02	-
	0960_MW018	28 Jun 2023	0960_MW018_230628	Normal	0.08	<0.02	-	0.05	0.82	-	0.10	-	1.07	0.4	<0.02	<0.02	0.44	0.79	<0.02	0.06	0.63	<0.05	<0.02	<0.02	-
	0960_MW018	08 Nov 2023	0960_MW018_231108	Normal	0.07	<0.02	-	0.04	0.51	-	0.08	-	0.93	1.3	<0.02	<0.02	1.50	2.55	<0.02	0.16	2.36	<0.05	<0.02	<0.02	-
	0960_MW018	08 Nov 2023	0960_QC117_231108	Field D	0.08	<0.02	-	0.04	0.56	-	0.10	-	0.97	1.2	<0.02	<0.02	1.24	2.07	<0.02	0.13	1.88	<0.05	<0.02	<0.02	-
	0960_MW018	22 May 2024	0960_MW018_240522	Normal	0.06	<0.02	-	0.03	0.56	-	0.08	-	0.82	1.0	<0.02	<0.02	1.44	2.14	<0.02	0.16	2.19	<0.05	<0.02	<0.02	-
	0960_MW018	12 Dec 2024	0960_MW018_241212	Normal	0.10	<0.02	-	0.04	0.83	0.03	0.12	<0.02	1.18	0.8	<0.02	<0.02	1.66	1.96	<0.02	0.20	1.70	<0.05	<0.02	<0.02	-
	0960_MW018	23 Jun 2025	0960_MW018_250623	Normal	0.08	<0.02	<0.02	0.05	0.52	0.02	0.08	-	0.85	1.2	<0.02	<0.02	4.11	2.66	0.02	0.65	2.34	<0.05	<0.02	<0.02	<0.05
	0960_MW018	23 Jun 2025	0960_QC101_250623	Field D	0.07	<0.02	<0.02	0.06	0.54	<0.02	0.10	-	1.00	1.2	<0.02	<0.02	4.56	2.87	0.03	0.64	2.56	<0.05	<0.02	<0.02	<0.05
	0960_MW018	23 Jun 2025	0960_QC201_250623	Interlab D	0.15	<0.01	<0.01	0.08 ^{#1}	1.3 ^{#1}	0.05	0.16 ^{#1}	-	1.8 ^{#1}	2.0	<0.01	<0.01	5.6 ^{#1}	3.7	0.05	0.92 ^{#1}	2.9	<0.01	<0.01	<0.01	-
	0960_MW021	18 Sep 2010	MW21	Normal	-	-	-	-	<0.02	-	-	-	-	-	-	-	-	-	-	<0.02	-	-	-	-	-
	0960_MW021	11 Mar 2011	MW021	Normal	-	-	-	-	<0.02	-	-	-	-	-	-	-	-	-	-	<0.02	-	-	-	-	-
	0960_MW021	08 Nov 2013	WA0043_MW021	Normal	-	-	-	-	0.08	-	-	-	-	-	-	-	-	-	-	<0.02	-	-	-	-	-
	0960_MW021	23 Mar 2014	WA0043_MW021_230314	Normal	-	-	-	-	0.19	-	-	-	-	-	-	-	-	-	-	0.02	-	-	-	-	



Appendix C
Table C4
Groundwater Analytical Results

					PFAS - Perfluoroalkyl Sulfonamide								PFAS - Fluorotelomer Sulfonic Acids				PFAS - Sums						
					N-Ethyl perfluorooctane sulfonamide (EiFOSA) µg/L	N-Ethyl perfluorooctane sulfonamidoacetic acid (EiFOSAA) µg/L	N-Ethyl perfluorooctane sulfonamidoethanol (EiFOSE) µg/L	N-Methyl perfluorooctane sulfonamide (MeFOSA) µg/L	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA) µg/L	N-Methyl perfluorooctane sulfonamidoethanol (MEFOSE) µg/L	Perfluorooctane sulfonamide (FOSA) µg/L	Perfluorooctane sulfonamidoacetic acid (FOSAA) µg/L	4:2 Fluorotelomer sulfonic acid (4:2 FTS) µg/L	6:2 Fluorotelomer Sulfonate (6:2 FTS) µg/L	8:2 Fluorotelomer sulfonic acid (8:2 FTS) µg/L	10:2 Fluorotelomer sulfonic acid (10:2 FTS) µg/L	PFAS (Sum of Total) µg/L	Sum of WA DWER PFAS (n=10)* µg/L	PFAS (Sum of Total)(WA DER List) µg/L	Sum of US EPA PFAS (PFOS + PFOA)* µg/L	Sum of PFHxS and PFOS µg/L	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)* µg/L	
					0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.002	0.001 - 0.01	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.001	0.001	0.002	0.001	0.001	0.001	
LOR					0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.002	0.001 - 0.01	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.001	0.001	0.002	0.001	0.001	0.001	
ADWG 2011 Health (v4.0 updated June 2025)					0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.002	0.001 - 0.01	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.001	0.001	0.002	0.001	0.001	0.001	
Area	Location Code	Date	Field ID	Sample Type																			
	0960 MW018	18 Sep 2010	MW18	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	0960 MW018	11 Mar 2011	MW018	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	0960 MW018	11 Mar 2011	QC1	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	0960 MW018	06 Nov 2013	WA0043_MW018	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	0960 MW018	23 Mar 2014	WA0043-MW018-230314	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	0960 MW018	09 Jun 2015	WA0043-MW18	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	0960 MW018	06 Oct 2015	WA0043-MW018	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	0960 MW018	15 Mar 2016	WA0043_MW18_150316	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	0960 MW018	03 Dec 2016	MW018	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	0960 MW018	06 Mar 2018	0960_MW018_180306	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	<0.001	<0.001	<0.001	-	-	-	-	-	-	
	0960 MW018	10 Jun 2018	0960_MW018_180610	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	0.001	<0.001	<0.001	-	-	-	-	-	-	
	0960 MW018	10 Jun 2018	0960_QC644_180610	Field_D	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	<0.001	<0.001	<0.001	-	-	-	-	-	-	
	0960 MW018	10 Jun 2018	0960_QC744_180610	Interlab_D	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.01	<0.05	<0.01	<0.01	9	8.46	-	2.49	5.4	5.49	
	0960 MW018	26 Nov 2019	0960_MW018_191126	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW018	24 Jun 2020	0960_MW018_200624	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	2.87	2.64	-	-	1.90	-	
	0960 MW018	19 Nov 2020	0960_MW018_201119	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	3.12	2.90	-	-	2.10	-	
	0960 MW018	19 Nov 2020	0960_QC106_201119	Field_D	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	2.13	2.00	-	-	1.48	-	
	0960 MW018	19 Nov 2020	0960_QC206_201119	Interlab_D	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.01	<0.05	<0.01	<0.01	3.66	3.36	-	0.94	2.37	2.44	
	0960 MW018	23 Jun 2021	0960_MW018_210623	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	2.07	1.94	-	-	1.35	-	
	0960 MW018	25 Nov 2021	0960_MW018_211125	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	3.81	3.56	-	-	2.46	-	
	0960 MW018	22 Jun 2022	0960_MW018_220622	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	7.37	7.24	-	-	1.69	-	
	0960 MW018	22 Jun 2022	0960_QC117_220622	Field_D	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	6.59	6.48	-	-	1.55	-	
	0960 MW018	22 Jun 2022	0960_QC217_220622	Interlab_D	<0.004	<0.004	<0.008	<0.004	<0.004	<0.008	<0.004	<0.002	<0.008	<0.008	<0.002	<0.004	3.7	3.6	-	-	0.62	-	
	0960 MW018	22 Nov 2022	0960_MW018_221122	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	24.8	24.7	-	-	1.17	-	
	0960 MW018	28 Jun 2023	0960_MW018_230628	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	4.44	4.29	-	-	1.89	-	
	0960 MW018	08 Nov 2023	0960_MW018_231108	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	9.50	9.38	-	-	1.44	-	
	0960 MW018	08 Nov 2023	0960_QC117_231108	Field_D	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	8.27	8.13	-	-	1.53	-	
	0960 MW018	22 May 2024	0960_MW018_240522	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	8.48	8.37	-	-	1.38	-	
	0960 MW018	12 Dec 2024	0960_MW018_241212	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	8.62	8.43	-	-	2.01	-	
	0960 MW018	23 Jun 2025	0960_MW018_250623	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	12.6	-	12.4	-	1.37	-	
	0960 MW018	23 Jun 2025	0960_QC101_250623	Field_D	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	13.6	-	13.4	-	1.54	-	
	0960 MW018	23 Jun 2025	0960_QC201_250623	Interlab_D	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.01	<0.05	<0.01	<0.01	18.71	-	18.37	2.22	3.1	4.02	
	0960 MW021	18 Sep 2010	MW21	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0960 MW021	11 Mar 2011	MW021	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0960 MW021	08 Nov 2013	WA0043_MW021	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0960 MW021	23 Mar 2014	WA0043_MW021_230314	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0960 MW021	09 Jun 2015	WA0043-MW021	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0960 MW021	06 Oct 2015	WA043-MW021	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0960 MW021	15 Mar 2016	WA0043_MW021_150316	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	0960 MW021	03 Dec 2016	MW021	Normal	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-
	0960 MW021	06 Mar 2018	0960_MW021_180306	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	<0.001	<0.001	<0.001	-	-	-	-	-	-	-
	0960 MW021	10 Jun 2018	0960_MW021_180610	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-											



				PFAS - Perfluoroalkyl Sulfonic Acids										PFAS - Perfluoroalkyl Carboxylic Acids													
				Perfluorobutane sulfonic acid (PFBS)	Perfluorodecanesulfonic acid (PFDS)	Perfluorononane sulfonate (PFNS)	Perfluorooctane sulfonic acid (PFHpS)	Perfluorooctane sulfonic acid (PFOS)	Perfluoropropanesulfonic acid (PFPPS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluorononanesulfonic acid (PFNS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluorobutanoic acid (PFBA)	Perfluorodecanoic acid (PFDA)	Perfluorododecanoic acid (PFDDa)	Perfluoroheptanoic acid (PFHpA)	Perfluorohexanoic acid (PFHxA)	Perfluorononanoic acid (PFNA)	Perfluorooctanoic acid (PFOA)	Perfluoropentanoic acid (PFPeA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorotridecanoic acid (PFTiDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluoro-n-hexadecanoic acid (PFHxDA)			
LOR				µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L		
ADWG 2011 Health (v4.0 updated June 2025)				1	0.001	0.001	0.001	0.0001	0.001	0.001	0.001	0.001	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.0005 - 0.05		
				1	0.001	0.001	0.001	0.008	0.001	0.001	0.001	0.03	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.0005 - 0.05		
Area	Location Code	Date	Field ID	Sample Type	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-			
	0960_MW114	26 Nov 2019	0960_MW114_191126	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-			
	0960_MW114	24 Jun 2020	0960_MW114_200624	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-			
	0960_MW114	19 Nov 2020	0960_MW114_201119	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-			
	0960_MW114	23 Jun 2021	0960_MW114_210623	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-			
	0960_MW114	24 Nov 2021	0960_MW114_211124	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-			
	0960_MW114	22 Jun 2022	0960_MW114_220622	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-			
	0960_MW114	22 Nov 2022	0960_MW114_221122	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-			
	0960_MW114	28 Jun 2023	0960_MW114_230628	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-			
	0960_MW114	08 Nov 2023	0960_MW114_231108	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-			
	0960_MW114	22 May 2024	0960_MW114_240522	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-			
	0960_MW114	12 Dec 2024	0960_MW114_241212	Normal	<0.02	<0.02	-	<0.02	<0.01	<0.02	<0.02	<0.02	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-			
	0960_MW114	23 Jun 2025	0960_MW114_250623	Normal	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.02	<0.02	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	<0.05			
	0960_MW162	15 Jun 2018	0960_MW162_180615	Normal	0.42	<0.002	-	0.051	0.13	-	0.48	-	2.7	0.18	<0.002	<0.005	0.071	1.0	<0.001	0.060	0.20	<0.05	<0.01	<0.002	-		
	0960_MW162	26 Nov 2019	0960_MW162_191126	Normal	0.84	<0.02	-	0.07	0.29	-	0.98	-	6.68	0.2	<0.02	<0.02	0.14	2.31	<0.02	0.11	0.42	<0.05	<0.02	<0.02	-		
	0960_MW162	24 Jun 2020	0960_MW162_200624	Normal	0.72	<0.02	-	0.06	0.31	-	0.88	-	5.04	0.2	<0.02	<0.02	0.14	1.70	<0.02	0.12	0.42	<0.05	<0.02	<0.02	-		
	0960_MW162	19 Nov 2020	0960_MW162_201119	Normal	0.44	<0.02	-	0.05	0.37	-	0.52	-	3.48	0.1	<0.02	<0.02	0.09	1.07	<0.02	0.08	0.19	<0.05	<0.02	<0.02	-		
	0960_MW162	23 Jun 2021	0960_MW162_210623	Normal	0.32	<0.02	-	0.02	0.15	-	0.34	-	2.02	0.1	<0.02	<0.02	0.05	0.68	<0.02	0.05	0.17	<0.05	<0.02	<0.02	-		
	0960_MW162	24 Nov 2021	0960_MW162_211124	Normal	0.66	<0.02	-	0.04	0.29	-	0.55	-	3.79	0.1	<0.02	<0.02	0.10	1.46	<0.02	0.09	0.28	<0.05	<0.02	<0.02	-		
	0960_MW162	22 Jun 2022	0960_MW162_220622	Normal	0.52	<0.02	-	0.05	0.30	-	0.50	-	3.01	0.2	<0.02	<0.02	0.11	1.18	<0.02	0.09	0.30	<0.05	<0.02	<0.02	-		
	0960_MW162	22 Nov 2022	0960_MW162_221122	Normal	0.51	<0.02	-	0.06	0.39	-	0.66	-	4.14	0.2	<0.02	<0.02	0.11	1.20	<0.02	0.11	0.31	<0.05	<0.02	<0.02	-		
	0960_MW162	28 Jun 2023	0960_MW162_230628	Normal	0.51	<0.02	-	0.08	0.44	-	0.56	-	3.91	0.2	<0.02	<0.02	0.10	1.04	<0.02	0.12	0.27	<0.05	<0.02	<0.02	-		
	0960_MW162	08 Nov 2023	0960_MW162_231108	Normal	0.42	<0.02	-	0.05	0.32	-	0.51	-	3.36	0.2	<0.02	<0.02	0.10	1.01	<0.02	0.10	0.26	<0.05	<0.02	<0.02	-		
	0960_MW162	22 May 2024	0960_MW162_240522	Normal	0.34	<0.02	-	0.06	0.30	-	0.38	-	2.77	0.1	<0.02	<0.02	0.07	0.79	<0.02	0.09	0.20	<0.05	<0.02	<0.02	-		
	0960_MW162	11 Dec 2024	0960_MW162_241211	Normal	0.51	<0.02	-	0.04	0.34	0.15	0.42	<0.02	3.33	0.2	<0.02	<0.02	0.08	0.86	<0.02	0.07	0.26	<0.05	<0.02	<0.02	-		
	0960_MW162	23 Jun 2025	0960_MW162_250623	Normal	0.27	<0.02	<0.02	0.06	0.32	0.09	0.27	-	2.24	0.1	<0.02	<0.02	0.04	0.50	<0.02	0.09	0.13	<0.05	<0.02	<0.02	<0.05		
	0960_MW163	15 Jun 2018	0960_MW163_180615	Normal	0.65	<0.002	-	0.64	5.0	-	0.84	-	6.9	0.19	<0.002	<0.005	0.25	2.0	0.010	0.30	0.43	<0.05	<0.01	<0.002	-		
	0960_MW163	15 Jun 2018	0960_QC802_180615	Field D	0.64	<0.002	-	0.62	4.7	-	0.49	-	7.2	0.19	<0.002	<0.005	0.26	1.9	0.009	0.30	0.42	<0.05	<0.01	<0.002	-		
	0960_MW163	15 Jun 2018	0960_QC702_180615	Interlab D	0.68	<0.01	-	0.29	5.8 ^{#1}	-	0.57 ^{#1}	-	7.4 ^{#1}	0.20	<0.01	<0.01	0.21 ^{#1}	1.8 ^{#1}	<0.01	0.33 ^{#1}	0.46	<0.01	<0.01	<0.01	-		
	0960_MW163	26 Nov 2019	0960_MW163_191126	Normal	<0.05 ^{#2}	<0.05 ^{#2}	-	<0.05 ^{#2}	0.10	-	<0.05 ^{#2}	-	0.26	<0.2 ^{#2}	<0.05 ^{#2}	<0.05 ^{#2}	<0.05 ^{#2}	0.08	<0.05 ^{#2}	<0.05 ^{#2}	<0.05 ^{#2}	<0.12 ^{#2}	<0.05 ^{#2}	<0.05 ^{#2}	-		
	0960_MW163	26 Nov 2019	0960_QC102_191126	Field D	<0.05 ^{#2}	<0.05 ^{#2}	-	<0.05 ^{#2}	0.13	-	<0.05 ^{#2}	-	0.30	<0.2 ^{#2}	<0.05 ^{#2}	<0.05 ^{#2}	<0.05 ^{#2}	0.09	<0.05 ^{#2}	</							



Appendix C
Table C4
Groundwater Analytical Results

				PFAS - Perfluoroalkyl Sulfonamide								PFAS - Fluorotelomer Sulfonic Acids					PFAS - Sums					
				N-Ethyl perfluorooctane sulfonamide (EFOSA) µg/L	N-Ethyl perfluorooctane sulfonamidoacetic acid (EIFOSAA) µg/L	N-Ethyl perfluorooctane sulfonamidoethanol (EIFOSE) µg/L	N-Methyl perfluorooctane sulfonamide (MeFOSA) µg/L	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOCAA) µg/L	N-Methyl perfluorooctane sulfonamidoethanol (MEFOSE) µg/L	Perfluorooctane sulfonamide (FOSA) µg/L	Perfluorooctane sulfonamidoacetic acid (FOCAA) µg/L	4:2 Fluorotelomer sulfonic acid (4:2 FTS) µg/L	6:2 Fluorotelomer Sulfonate (6:2 FTS) µg/L	8:2 Fluorotelomer sulfonic acid (8:2 FTS) µg/L	10:2 Fluorotelomer sulfonic acid (10:2 FTS) µg/L	PFAS (Sum of Total) µg/L	Sum of WA DWER PFAS (n=10)* µg/L	PFAS (Sum of Total)(WA DER List) µg/L	Sum of US EPA PFAS (PFOS + PFOA)* µg/L	Sum of PFHxS and PFOS µg/L	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)* µg/L	
				0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.002	0.001 - 0.01	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.001	0.001	0.002	0.001	0.001	0.001	
ADWG 2011 Health (v4.0 updated June 2025)																						
Area	Location Code	Date	Field ID	Sample Type																		
Maintenance Area	0960 MW114	26 Nov 2019	0960 MW114 191126	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	
	0960 MW114	24 Jun 2020	0960 MW114 200624	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	
	0960 MW114	19 Nov 2020	0960 MW114 201119	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	
	0960 MW114	23 Jun 2021	0960 MW114 210623	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	
	0960 MW114	24 Nov 2021	0960 MW114 211124	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	
	0960 MW114	22 Jun 2022	0960 MW114 220622	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	
	0960 MW114	22 Nov 2022	0960 MW114 221122	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	
	0960 MW114	28 Jun 2023	0960 MW114 230628	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	
	0960 MW114	08 Nov 2023	0960 MW114 231108	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	
	0960 MW114	22 May 2024	0960 MW114 241212	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	
	0960 MW114	12 Dec 2024	0960 MW114 241212	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	
	0960 MW114	23 Jun 2025	0960 MW114 250623	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	-	<0.01	-	<0.01	
	0960 MW162	15 Jun 2018	0960 MW162 180615	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	<0.001	<0.001	<0.001	-	-	<0.01	-	2.8	
	0960 MW162	26 Nov 2019	0960 MW162 191126	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	12.0	11.0	-	-	6.97	
	0960 MW162	24 Jun 2020	0960 MW162 200624	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	9.59	8.65	-	-	5.35	
	0960 MW162	19 Nov 2020	0960 MW162 201119	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	6.39	5.82	-	-	3.85	
	0960 MW162	23 Jun 2021	0960 MW162 210623	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	3.90	3.54	-	-	2.17	
	0960 MW162	24 Nov 2021	0960 MW162 211124	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	7.36	6.77	-	-	4.08	
	0960 MW162	22 Jun 2022	0960 MW162 220622	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	6.26	5.71	-	-	3.31	
	0960 MW162	22 Nov 2022	0960 MW162 221122	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	7.69	6.97	-	-	4.53	
	0960 MW162	28 Jun 2023	0960 MW162 230628	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	7.23	6.59	-	-	4.35	
	0960 MW162	08 Nov 2023	0960 MW162 231108	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	6.33	5.77	-	-	3.68	
	0960 MW162	22 May 2024	0960 MW162 240522	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	5.10	4.66	-	-	3.07	
	0960 MW162	11 Dec 2024	0960 MW162 241211	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	6.26	5.65	-	-	3.67	
	0960 MW162	23 Jun 2025	0960 MW162 250623	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	4.11	-	3.69	-	2.56	
	0960 MW163	15 Jun 2018	0960 MW163 180615	Field D	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	0.001	0.090	0.003	<0.001	-	-	-	-	12	
	0960 MW163	15 Jun 2018	0960 QC602 180615	Field D	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	0.001	0.10	0.003	<0.001	-	-	-	-	12	
	0960 MW163	15 Jun 2018	0960 QC702 180615	Interlab D	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.01	0.13	<0.01	<0.01	17.87	17.01	-	6.13	13.2	
	0960 MW163	26 Nov 2019	0960 MW163 191126	Normal	<0.12 ⁹²	<0.05 ⁹²	<0.12 ⁹²	<0.12 ⁹²	<0.05 ⁹²	<0.12 ⁹²	<0.05 ⁹²	-	<0.05	<0.05	<0.05	<0.05	0.44	0.44	-	-	0.36	
	0960 MW163	26 Nov 2019	0960 QC102 191126	Field D	<0.12 ⁹²	<0.05 ⁹²	<0.12 ⁹²	<0.12 ⁹²	<0.05 ⁹²	<0.12 ⁹²	<0.05 ⁹²	-	<0.05	<0.05	<0.05	<0.05	0.52	0.52	-	-	0.43	
	0960 MW163	26 Nov 2019	0960 QC202 191126	Interlab D	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.01	<0.05	<0.01	<0.01	0.72	0.66	-	0.2	0.48	
	0960 MW163	24 Jun 2020	0960 MW163 200624	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	0.09	<0.05	<0.05	13.0	11.9	-	-	8.77	
	0960 MW163	19 Nov 2020	0960 MW163 201119	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	0.08	<0.05	<0.05	9.83	9.01	-	-	6.64	
	0960 MW163	23 Jun 2021	0960 MW163 210623	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	0.11	<0.05	<0.05	14.7	13.5	-	-	9.90	
	0960 MW163	23 Jun 2021	0960 QC101 210623	Field D	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	0.10	<0.05	<0.05	13.1	12.0	-	-	8.65	
	0960 MW163	23 Jun 2021	0960 QC201 210623	Interlab D	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.01	0.11	<0.01	<0.01	14.3	13.33	-	3.12	10.5	
	0960 MW163	24 Nov 2021	0960 MW163 211124	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	0.14	<0.05	<0.05	15.7	14.5	-	-	10.3	
	0960 MW163	22 Jun 2022	0960 MW163 220622	Normal	<0.05	<0.02	<0.05	<0.05	<0.02													



				PFAS - Perfluoroalkyl Sulfonic Acids									PFAS - Perfluoroalkyl Carboxylic Acids													
				Perfluorobutane sulfonic acid (PFBS)	Perfluorodecanesulfonic acid (PFDS)	Perfluorononane sulfonate (PFNS)	Perfluorooctane sulfonic acid (PFHpS)	Perfluorooctane sulfonic acid (PFOS)	Perfluoropropanesulfonic acid (PFPrS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluorononanesulfonic acid (PFNS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluorobutanoic acid (PFBA)	Perfluorodecanoic acid (PFDA)	Perfluorodecanoic acid (PFDDaDA)	Perfluoroheptanoic acid (PFHpA)	Perfluorohexanoic acid (PFHxA)	Perfluorononanoic acid (PFNA)	Perfluorooctanoic acid (PFOA)	Perfluoropentanoic acid (PFPeA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorotridecanoic acid (PFTiDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluoro-n-hexadecanoic acid (PFHxDA)		
				µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L		
LOR				0.001	0.001	0.001	0.001	0.0001	0.001	0.001	0.001	0.001	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.0005 - 0.05		
ADWG 2011 Health (v4.0 updated June 2025)				1				0.008				0.03							0.2							
Area	Location Code	Date	Field ID	Sample Type																						
	0960_MW166	26 Nov 2019	0960_QC103_191126	Field_D	0.05	<0.02	-	<0.02	0.28	-	0.05	-	0.40 ^{#1}	<0.1	<0.02	<0.02	0.23	0.30	<0.02	0.16	0.25	<0.05	<0.02	<0.02	-	
	0960_MW166	26 Nov 2019	0960_QC203_191126	Interlab_D	0.05	<0.01	-	<0.01 ^{#1}	0.32 ^{#1}	0.02	0.04	<0.01	0.43 ^{#1}	0.15	<0.01	<0.01	0.21	0.37	<0.01	0.18	0.27	<0.01	<0.01	<0.01	-	
	0960_MW166	24 Jun 2020	0960_MW166_200624	Normal	0.05	<0.02	-	<0.02	0.34	-	0.06	-	0.45	<0.2 ^{#2}	<0.02	<0.02	0.23	0.29	<0.02	0.14	0.30	<0.05	<0.02	<0.02	-	
	0960_MW166	24 Jun 2020	0960_QC108_200624	Field_D	0.06	<0.02	-	<0.02	0.36	-	0.06	-	0.48	<0.2 ^{#2}	<0.02	<0.02	0.25	0.30	<0.02	0.16	0.31	<0.05	<0.02	<0.02	-	
	0960_MW166	19 Nov 2020	0960_MW166_201119	Normal	<0.02	<0.02	-	<0.02	0.18	-	<0.02	-	0.11	<0.1	<0.02	<0.02	0.04	0.07	<0.02	0.03	0.06	<0.05	<0.02	<0.02	-	
	0960_MW166	23 Jun 2021	0960_MW166_210623	Normal	0.05	<0.02	-	<0.02	0.35	-	0.05	-	0.34	<0.1	<0.02	<0.02	0.09	0.16	<0.02	0.06	0.13	<0.05	<0.02	<0.02	-	
	0960_MW166	24 Nov 2021	0960_MW166_211124	Normal	0.10	<0.02	-	<0.02	0.47	-	0.06	-	0.48	<0.1	<0.02	<0.02	0.17	0.33	<0.02	0.14	0.20	<0.05	<0.02	<0.02	-	
	0960_MW166	22 Jun 2022	0960_MW166_220622	Normal	<0.02	<0.02	-	<0.02	0.07	-	<0.02	-	0.07	<0.1	<0.02	<0.02	<0.02	0.03	<0.02	0.01	<0.02	<0.05	<0.02	<0.02	-	
	0960_MW166	22 Jun 2022	0960_QC115_220622	Field_D	0.03	<0.02	-	<0.02	0.22	-	0.02	-	0.21	<0.1	<0.02	<0.02	0.05	0.09	<0.02	0.05	0.06	<0.05	<0.02	<0.02	-	
	0960_MW166	22 Jun 2022	0960_QC215_220622	Interlab_D	0.048	<0.004	-	0.010	0.082	-	0.045	-	0.071	0.089	0.004	<0.001	0.10	0.037	0.014	0.085	0.042	<0.001	<0.001	<0.001	-	
	0960_MW166	22 Nov 2022	0960_MW166_221122	Normal	0.04	<0.02	-	<0.02	0.27	-	0.03	-	0.24	<0.1	0.06	0.04	0.20	0.22	0.06	0.18	0.22	<0.05	<0.02	0.04	-	
	0960_MW166	22 Nov 2022	0960_QC117_221122	Field_D	0.04	<0.02	-	<0.02	0.32	-	0.03	-	0.27	<0.1	0.04	<0.02	0.20	0.21	0.03	0.16	0.23	<0.05	<0.02	<0.02	-	
	0960_MW166	22 Nov 2022	0960_QC217_221122	Interlab_D	0.03	<0.01	-	<0.01	0.12 ^{#1}	0.01	0.03 ^{#1}	<0.01	0.21 ^{#1}	0.10	<0.01	<0.01	0.14 ^{#1}	0.18 ^{#1}	<0.01	0.09 ^{#1}	0.18 ^{#1}	<0.01	<0.01	<0.01	-	
	0960_MW166	28 Jun 2023	0960_MW166_230628	Normal	0.04	<0.02	-	<0.02	0.26	-	0.03	-	0.28	0.1	<0.02	<0.02	0.24	0.23	<0.02	0.14	0.24	<0.05	<0.02	<0.02	-	
	0960_MW166	08 Nov 2023	0960_MW166_231108	Normal	0.04	<0.02	-	<0.02	0.29	-	0.04	-	0.26	0.2	<0.02	<0.02	0.23	0.25	0.02	0.17	0.28	<0.05	<0.02	<0.02	-	
	0960_MW166	22 May 2024	0960_MW166_240522	Normal	0.03	<0.02	-	<0.02	0.21	-	0.03	-	0.20	0.1	<0.02	<0.02	0.17	0.19	<0.02	0.11	0.17	<0.05	<0.02	<0.02	-	
	0960_MW166	12 Dec 2024	0960_MW166_241212	Normal	0.06	<0.02	-	<0.02	0.21	<0.02	0.04	<0.02	0.28	0.2	<0.02	<0.02	0.30	0.28	<0.02	0.22	0.37	<0.05	<0.02	<0.02	-	
	0960_MW166	12 Dec 2024	0960_QC105_241212	Field_D	0.07	<0.02	-	<0.02	0.23	<0.02	0.04	<0.02	0.28	0.2	<0.02	<0.02	0.32	0.33	<0.02	0.21	0.37	<0.05	<0.02	<0.02	-	
	0960_MW166	12 Dec 2024	0960_QC205_241212	Interlab_D	0.05	<0.01	-	<0.01	0.23 ^{#1}	0.02	0.03 ^{#1}	<0.01	0.26 ^{#1}	0.16	<0.01	<0.01	0.30 ^{#1}	0.29	0.01	0.21 ^{#1}	0.32	<0.01	<0.01	<0.01	-	
	0960_MW166	23 Jun 2025	0960_MW166_250623	Normal	0.04	<0.02	<0.02	<0.02	0.16	<0.02	0.03	-	0.21	0.2	<0.02	<0.02	0.48	0.36	0.04	0.40	0.47	<0.05	<0.02	<0.02	<0.05	
	0960_MW167	10 Jun 2018	0960_MW167_180610	Normal	0.028	<0.002	-	0.047	0.49	-	0.042	-	0.69	0.079	<0.002	<0.005	0.1	0.18	0.02	0.12	0.11	<0.05	<0.01	<0.002	-	
	0960_MW167	26 Nov 2019	0960_MW167_191126	Normal	0.03	<0.02	-	0.05	0.81	-	0.05	-	0.96	<0.1	<0.02	<0.02	0.10	0.28	0.02	0.17	0.12	<0.05	<0.02	<0.02	-	
	0960_MW167	25 Jun 2020	0960_MW167_200625	Normal	0.04	<0.02	-	0.06	0.94	-	0.06	-	1.08	<0.1	<0.02	<0.02	0.12	0.28	0.02	0.18	0.15	<0.05	<0.02	<0.02	-	
	0960_MW167	19 Nov 2020	0960_MW167_201119	Normal	0.04	<0.02	-	0.08	1.22	-	0.06	-	1.31	<0.1	<0.02	<0.02	0.12	0.31	0.02	0.18	0.16	<0.05	<0.02	<0.02	-	
	0960_MW167	19 Nov 2020	0960_QC105_201119	Field_D	0.03	<0.02	-	0.06	0.97	-	0.06	-	1.16	<0.1	<0.02	<0.02	0.11	0.29	<0.02	0.17	0.15	<0.05	<0.02	<0.02	-	
	0960_MW167	19 Nov 2020	0960_QC205_201119	Interlab_D	0.043	<0.01	-	0.067 ^{#1}	1.2 ^{#1}	0.011	0.062 ^{#1}	<0.01	1.3 ^{#1}	0.16	<0.01	<0.01	0.1 ^{#1}	0.29 ^{#1}	0.016	0.16 ^{#1}	0.12	<0.01	<0.01	<0.01	-	
	0960_MW167	23 Jun 2021	0960_MW167_210623	Normal	0.04	<0.02	-	0.05	0.81	-	0.06	-	0.97	<0.1	<0.02	<0.02	0.07	0.21	<0.02	0.12	0.10	<0.05	<0.02	<0.02	-	
	0960_MW167	23 Jun 2021	0960_QC108_210623	Field_D	0.04	<0.02	-	0.05	0.74	-	0.06	-	1.04	<0.1	<0.02	<0.02	0.07	0.21	<0.02	0.12	0.09	<0.05	<0.02	<0.02	-	
	0960_MW167	23 Jun 2021	0960_QC208_210623	Interlab_D	0.03	<0.01	-	0.06 ^{#1}	0.92 ^{#1}	0.01	0.05 ^{#1}	<0.01	1.0 ^{#1}	0.18	<0.01	<0.01	0.07 ^{#1}	0.20 ^{#1}	<0.01	0.11 ^{#1}	0.08	<0.01	<0.01	<0.01	-	
	0960_MW167	24 Nov 2021	0960_MW167_211124	Normal	0.07	<0.02	-	0.06	1.08	-	0.08	-	1.50	<0.1	<0.02	<0.02	0.11	0.40	<0.02	0.17	0.12	<0.05	<0.02	<0.02	-	
	0960_MW167	22 Jun 2022	0960_MW167_220622	Normal	0.04	<0.02	-	0.05	1.04	-	0.06	-	1.03	<0.1	<0.02	<0.02	0.10	0.24	<0.02	0.14	0.10	<0.05	<0.02	<0.02	-	
	0960_MW167	22 Nov 2022	0960_MW167_221122	Normal	0.03	<0.02	-	0.04	0.86	-	0.06	-	0.93	<0.1	<0.02	<0.02	0.09	0.20	0.02	0.14	0.10	<0.05	<0.02	<0.02	-	
	0960_MW167	28 Jun 2023	0969_MW167_230628	Normal	0.03	<0.02	-	0.04	0.88	-	0.05	-	0.72	<0.1	<0.02	<0.02	0.11	0.17	0.02	0.17	0.09	<0.05	<0.02	<0.02	-	
	0960_MW167	08 Nov 2023	0960_MW167_231108	Normal	0.03	<0.02	-	0.02	0.67	-	0.05	-	0.57	<0.1	<0.02	<0.02	0.12	0.20	0.02	0.19	0.10	<0.05	<0.02	<0.02	-	
	0960_MW167	22 May 2024	0960_MW167_240522	Normal	0.02	<0.02	-	0.02	0.66	-	0.04	-	0.53	<0.1	<0.02	<0.02	0.11	0.17	0.02	0.16	0.07	<0.05	<0.02	<0.02	-	
	0960_MW167	12 Dec 2024	0960_MW167_241212	Normal	0.05	<0.02	-	<0.02	0.63	<0.02	0.04	<0.02	0.52	<0.1	<0.02	<0.02	0.15	0.17	0.03	0.21	0.12	<0.05	<			



Appendix C
Table C4
Groundwater Analytical Results

				PFAS - Perfluoroalkyl Sulfonamide								PFAS - Fluorotelomer Sulfonic Acids					PFAS - Sums					
				N-Ethyl perfluorooctane sulfonamide (EtFOSA) µg/L	N-Ethyl perfluorooctane sulfonamidacetic acid (EtFOSAA) µg/L	N-Ethyl perfluorooctane sulfonamidethanol (EtFOSE) µg/L	N-Methyl perfluorooctane sulfonamide (MeFOSA) µg/L	N-Methyl perfluorooctane sulfonamidacetic acid (MeFOSAA) µg/L	N-Methyl perfluorooctane sulfonamidethanol (MEFOSE) µg/L	Perfluorooctane sulfonamide (FOSA) µg/L	Perfluorooctane sulfonamidacetic acid (FOSAA) µg/L	4:2 Fluorotelomer sulfonic acid (4:2 FTS) µg/L	6:2 Fluorotelomer Sulfonate (6:2 FTS) µg/L	8:2 Fluorotelomer sulfonic acid (8:2 FTS) µg/L	10:2 Fluorotelomer sulfonic acid (10:2 FTS) µg/L	PFAS (Sum of Total) µg/L	Sum of WA DWER PFAS (n=10)* ug/L	PFAS (Sum of Total)(WA DER List) µg/L	Sum of US EPA PFAS (PFOS + PFOA)* µg/L	Sum of PFHxS and PFOS µg/L	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)* µg/L	
LOR				0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.002	0.001 - 0.01	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.001	0.001	0.002	0.001	0.001	0.001	
ADWG 2011 Health (v4.0 updated June 2025)																						
Area	Location Code	Date	Field ID	Sample Type																		
	0960_MW166	26 Nov 2019	0960_QC103_191126	Field_D	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	1.72	1.67	-	-	0.68	-
	0960_MW166	26 Nov 2019	0960_QC203_191126	Interlab_D	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.01	<0.05	0.02	<0.01	2.06	2	-	0.5	0.75	0.93
	0960_MW166	24 Jun 2020	0960_MW166_200624	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	1.86	1.80	-	-	0.79	-
	0960_MW166	24 Jun 2020	0960_QC108_200624	Field_D	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	1.98	1.92	-	-	0.84	-
	0960_MW166	19 Nov 2020	0960_MW166_201119	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	0.49	0.49	-	-	0.29	-
	0960_MW166	23 Jun 2021	0960_MW166_210623	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	1.23	1.18	-	-	0.69	-
	0960_MW166	24 Nov 2021	0960_MW166_211124	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	1.95	1.89	-	-	0.95	-
	0960_MW166	22 Jun 2022	0960_MW166_220622	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	0.18	0.18	-	-	0.14	-
	0960_MW166	22 Jun 2022	0960_QC115_220622	Field_D	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	0.73	0.71	-	-	0.43	-
	0960_MW166	22 Jun 2022	0960_QC215_220622	Interlab_D	<0.004	<0.004	<0.008	<0.004	<0.004	<0.008	<0.004	<0.002	<0.008	<0.008	<0.002	<0.004	0.63	0.56	-	-	0.15	-
	0960_MW166	22 Nov 2022	0960_MW166_221122	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	0.13	<0.05	1.73	1.50	-	-	0.51	-
	0960_MW166	22 Nov 2022	0960_QC117_221122	Field_D	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	0.07	<0.05	1.60	1.50	-	-	0.59	-
	0960_MW166	22 Nov 2022	0960_QC217_221122	Interlab_D	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.01	<0.05	<0.01	<0.01	1.09	1.05	-	0.21	0.33	0.42
	0960_MW166	28 Jun 2023	0960_MW166_230628	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	1.56	1.53	-	-	0.54	-
	0960_MW166	08 Nov 2023	0960_MW166_231108	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	1.78	1.72	-	-	0.55	-
	0960_MW166	22 May 2024	0960_MW166_240522	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	1.21	1.18	-	-	0.41	-
	0960_MW166	12 Dec 2024	0960_MW166_241212	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	1.96	1.92	-	-	0.49	-
	0960_MW166	12 Dec 2024	0960_QC105_241212	Field_D	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	2.05	2.01	-	-	0.51	-
	0960_MW166	12 Dec 2024	0960_QC205_241212	Interlab_D	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.01	<0.05	<0.01	<0.01	1.88	1.82	-	0.44	0.49	0.7
	0960_MW166	23 Jun 2025	0960_MW166_250623	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	2.39	-	2.32	-	0.37	-
	0960_MW167	10 Jun 2018	0960_MW167_180610	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	<0.001	<0.001	<0.001	-	-	-	-	-	-
	0960_MW167	26 Nov 2019	0960_MW167_191126	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	2.59	2.47	-	-	1.77	-
	0960_MW167	25 Jun 2020	0960_MW167_200625	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	2.93	2.79	-	-	2.02	-
	0960_MW167	19 Nov 2020	0960_MW167_201119	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	3.50	3.34	-	-	2.53	-
	0960_MW167	19 Nov 2020	0960_QC105_201119	Field_D	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	3.00	2.88	-	-	2.13	-
	0960_MW167	19 Nov 2020	0960_QC205_201119	Interlab_D	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.01	<0.05	<0.01	<0.01	3.53	3.37	-	1.36	2.5	2.66
	0960_MW167	23 Jun 2021	0960_MW167_210623	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	2.43	2.32	-	-	1.78	-
	0960_MW167	23 Jun 2021	0960_QC108_210623	Field_D	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	2.42	2.31	-	-	1.78	-
	0960_MW167	23 Jun 2021	0960_QC208_210623	Interlab_D	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.01	<0.05	<0.01	<0.01	2.71	2.59	-	1.03	1.92	2.03
	0960_MW167	24 Nov 2021	0960_MW167_211124	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	3.59	3.45	-	-	2.58	-
	0960_MW167	22 Jun 2022	0960_MW167_220622	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	2.80	2.69	-	-	2.07	-
	0960_MW167	22 Nov 2022	0960_MW167_221122	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	2.47	2.35	-	-	1.79	-
	0960_MW167	28 Jun 2023	0969_MW167_230628	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	2.28	2.17	-	-	1.60	-
	0960_MW167	08 Nov 2023	0960_MW167_231108	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	1.97	1.88	-	-	1.24	-
	0960_MW167	22 May 2024	0960_MW167_240522	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	1.80	1.72	-	-	1.19	-
	0960_MW167	12 Dec 2024	0960_MW167_241212	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	1.92	1.85	-	-	1.15	-
	0960_MW167	23 Jun 2025	0960_MW167_250623	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	1.62	-	1.56	-	0.87	-
	0960_MW168	10 Jun 2018	0960_MW168_180610	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	<0.001	<0.001	<0.001	-	-	-	-	-	-
	0960_MW168	26 Nov 2019	0960_MW168_191126	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	0.98	0.90	-	-	0.55	-
	0960_MW168	25 Jun 2020	0960_MW168_200625	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	1.07	0.99	-	-	0.59	-
	0960_MW168	19 Nov 2020	0960_MW168_201119	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	1.04	0.98	-	-	0.62	-
	0960_MW168	19 Nov 2020	0960_QC104_201119	Field_D	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	1.16	1.08	-	-	0.69	-



				PFAS - Perfluoroalkyl Sulfonic Acids										PFAS - Perfluoroalkyl Carboxylic Acids													
				Perfluorobutane sulfonic acid (PFBS)	Perfluorodecanesulfonic acid (PFDS)	Perfluorononane sulfonate (PFNS)	Perfluorohexane sulfonic acid (PFHpS)	Perfluorooctane sulfonic acid (PFOS)	Perfluoropropanesulfonic acid (PFPrS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluorononanesulfonic acid (PFNS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluorobutanoic acid (PFBA)	Perfluorodecanoic acid (PFDA)	Perfluorododecanoic acid (PFDDoA)	Perfluorooheptanoic acid (PFHpA)	Perfluorohexanoic acid (PFHxA)	Perfluorononanoic acid (PFNA)	Perfluorooctanoic acid (PFOA)	Perfluoropentanoic acid (PFPeA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorotridecanoic acid (PFTTDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluoro-n-hexadecanoic acid (PFHxDA)			
				µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L		
LOR				0.001	0.001	0.001	0.001	0.0001	0.001	0.001	0.001	0.001	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.0005 - 0.05			
ADWG 2011 Health (v4.0 updated June 2025)				1	0.001	0.001	0.001	0.008	0.001	0.001	0.001	0.03	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.0005 - 0.05			
Area	Location Code	Date	Field ID	Sample Type																							
	0960_MW168	19 Nov 2020	0960_QC204_201119	Interlab_D	0.072	<0.01	-	<0.01	0.065 ^{#1}	0.021	0.078 ^{#1}	<0.01	0.61 ^{#1}	<0.07	<0.01	<0.01	0.02 ^{#1}	0.23 ^{#1}	<0.01	0.016 ^{#1}	0.047	<0.01	<0.01	<0.01	-		
	0960_MW168	23 Jun 2021	0960_MW168_210623	Normal	0.08	<0.02	-	<0.02	0.10	-	0.09	-	0.76	<0.1	<0.02	<0.02	0.02	0.22	<0.02	0.02	0.06	<0.05	<0.02	<0.02	-		
	0960_MW168	24 Nov 2021	0960_MW168_211124	Normal	0.13	<0.02	-	<0.02	0.12	-	0.13	-	1.22	<0.1	<0.02	<0.02	0.04	0.45	<0.02	0.04	0.09	<0.05	<0.02	<0.02	-		
	0960_MW168	24 Nov 2021	0960_QC127_211124	Field_D	0.13	<0.02	-	<0.02	0.13	-	0.12	-	1.18	<0.1	<0.02	<0.02	0.04	0.42	<0.02	0.03	0.08	<0.05	<0.02	<0.02	-		
	0960_MW168	24 Nov 2021	0960_QC227_211124	Interlab_D	0.11	<0.01	-	0.01 ^{#1}	0.05 ^{#1}	0.04	0.09 ^{#1}	<0.01	0.89 ^{#1}	<0.05	<0.01	<0.01	0.03 ^{#1}	0.43	<0.01	0.02 ^{#1}	0.06	<0.01	<0.01	<0.01	-		
	0960_MW168	22 Jun 2022	0960_MW168_220622	Normal	0.04	<0.02	-	<0.02	0.12	-	0.05	-	0.42	<0.1	<0.02	<0.02	0.02	0.12	<0.02	0.02	0.04	<0.05	<0.02	<0.02	-		
	0960_MW168	22 Nov 2022	0960_MW168_221122	Normal	0.10	<0.02	-	0.02	0.15	-	0.13	-	1.09	<0.1	<0.02	<0.02	0.03	0.30	<0.02	0.03	0.08	<0.05	<0.02	<0.02	-		
	0960_MW168	28 Jun 2023	0960_MW168_230628	Normal	0.09	<0.02	-	0.02	0.15	-	0.11	-	0.97	<0.1	<0.02	<0.02	0.03	0.24	<0.02	0.03	0.06	<0.05	<0.02	<0.02	-		
	0960_MW168	08 Nov 2023	0960_MW168_231108	Normal	0.10	<0.02	-	<0.02	0.13	-	0.12	-	0.92	<0.1	<0.02	<0.02	0.03	0.27	<0.02	0.03	0.06	<0.05	<0.02	<0.02	-		
	0960_MW168	22 May 2024	0960_MW168_240522	Normal	0.08	<0.02	-	<0.02	0.15	-	0.09	-	0.77	<0.1	<0.02	<0.02	0.02	0.21	<0.02	0.03	0.05	<0.05	<0.02	<0.02	-		
	0960_MW168	22 May 2024	0960_QC119_240522	Field_D	0.08	<0.02	-	<0.02	0.16	-	0.09	-	0.81	<0.1	<0.02	<0.02	0.02	0.21	<0.02	0.03	0.06	<0.05	<0.02	<0.02	-		
	0960_MW168	22 May 2024	0960_QC219_240522	Interlab_D	0.11	<0.01	-	0.03 ^{#1}	0.26 ^{#1}	0.05	0.19 ^{#1}	<0.01	1.6 ^{#1}	<0.05	<0.01	<0.01	<0.05	0.37	<0.01	0.04 ^{#1}	0.06	<0.01	<0.01	<0.01	-		
	0960_MW168	12 Dec 2024	0960_MW168_241212	Normal	0.09	<0.02	-	<0.02	0.13	0.02	0.09	<0.02	0.86	<0.1	<0.02	<0.02	0.02	0.20	<0.02	0.03	0.05	<0.05	<0.02	<0.02	-		
	0960_MW168	25 Jun 2025	0960_MW168_250623	Normal	0.06	<0.02	<0.02	<0.02	0.14	<0.02	0.06	-	0.54	<0.1	<0.02	<0.02	<0.02	0.15	<0.02	0.02	0.04	<0.05	<0.02	<0.02	<0.05		
	0960_MW211	09 Mar 2018	0960_MWA0294_180309	Normal	0.12	<0.002	-	0.12	6.2	-	0.17	-	1.8	0.096	<0.002	<0.005	0.074	0.44	0.014	0.15	0.12	<0.05	<0.01	<0.002	-		
	0960_MW211	09 Jun 2018	0960_MWA0294_180609	Normal	0.2	<0.002	-	0.21	3.8	-	0.23	-	2.5	0.11	<0.002	<0.005	0.091	0.44	0.008	0.17	0.16	<0.05	<0.01	<0.002	-		
	0960_MW211	26 Nov 2019	0960_MWA0294_191126	Normal	0.17	<0.02	-	0.10	3.42	-	0.24	-	2.23	<0.1	<0.02	<0.02	0.06	0.52	<0.02	0.12	0.12	<0.05	<0.02	<0.02	-		
	0960_MW211	24 Jun 2020	0960_MW211_200624	Normal	0.23	<0.02	-	0.11	3.09	-	0.26	-	2.31	<0.1	<0.02	<0.02	0.06	0.47	<0.02	0.11	0.14	<0.05	<0.02	<0.02	-		
	0960_MW211	19 Nov 2020	0960_MW211_201119	Normal	0.18	<0.02	-	0.09	3.27	-	0.28	-	2.65	<0.1	<0.02	<0.02	0.06	0.62	<0.02	0.10	0.14	<0.05	<0.02	<0.02	-		
	0960_MW211	23 Jun 2021	0960_MW211_210623	Normal	0.09	<0.02	-	0.05	2.92	-	0.11	-	1.23	<0.1	<0.02	<0.02	0.04	0.24	<0.02	0.06	0.08	<0.05	<0.02	<0.02	-		
	0960_MW211	25 Nov 2021	0960_MW211_211125	Normal	0.19	<0.02	-	0.05	2.81	-	0.13	-	1.32	<0.1	<0.02	<0.02	0.05	0.39	<0.02	0.08	0.12	<0.05	<0.02	<0.02	-		
	0960_MW211	22 Jun 2022	0960_MW211_220622	Normal	0.08	<0.02	-	0.03	4.24	-	0.09	-	0.77	<0.1	<0.02	<0.02	0.05	0.24	<0.02	0.05	0.10	<0.05	<0.02	<0.02	-		
	0960_MW211	22 Nov 2022	0960_MW211_221122	Normal	0.11	<0.02	-	0.04	4.63	-	0.12	-	0.96	0.1	<0.02	<0.02	0.06	0.31	<0.02	0.06	0.13	<0.05	<0.02	<0.02	-		
	0960_MW211	22 Nov 2022	0960_QC114_221122	Field_D	0.11	<0.02	-	0.04	4.49	-	0.12	-	0.93	0.1	<0.02	<0.02	0.06	0.31	<0.02	0.06	0.14	<0.05	<0.02	<0.02	-		
	0960_MW211	22 Nov 2022	0960_QC214_221122	Interlab_D	0.09	<0.01	-	0.03 ^{#1}	4.4 ^{#1}	0.04	0.09 ^{#1}	<0.01	0.71 ^{#1}	0.10	<0.01	<0.01	0.05 ^{#1}	0.25 ^{#1}	<0.01	0.05 ^{#1}	0.11 ^{#1}	<0.01	<0.01	<0.01	-		
	0960_MW211	28 Jun 2023	0960_MW211_230628	Normal	0.09	<0.02	-	0.04	5.84	-	0.08	-	0.64	0.1	<0.02	<0.02	0.05	0.20	<0.02	0.06	0.10	<0.05	<0.02	<0.02	-		
	0960_MW211	28 Jun 2023	0960_QC115_230628	Field_D	0.09	<0.02	-	0.04	5.11	-	0.08	-	0.70	0.1	<0.02	<0.02	0.05	0.21	<0.02	0.06	0.10	<0.05	<0.02	<0.02	-		
	0960_MW211	28 Jun 2023	0960_QC215_230628	Interlab_D	0.06 ^{#1}	<0.01	-	0.07 ^{#1}	5.0 ^{#1}	0.03	0.07 ^{#1}	<0.01	0.55 ^{#1}	0.09	<0.01	<0.01	0.04 ^{#1}	0.17	<0.01	0.05 ^{#1}	0.08	<0.01	<0.01	<0.01	-		
	0960_MW211	08 Nov 2023	0960_MW211_231108	Normal	0.10	<0.02	-	0.03	6.71	-	0.08	-	0.66	0.1	<0.02	<0.02	0.06	0.26	<0.02	0.07	0.12	<0.05	<0.02	<0.02	-		
	0960_MW211	08 Nov 2023	0960_QC121_231108	Field_D	0.10	<0.02	-	0.03	6.96	-	0.08	-	0.65	0.1	<0.02	<0.02	0.06	0.25	<0.02	0.08	0.12	<0.05	<0.02	<0.02	-		
	0960_MW211	08 Nov 2023	0960_QC221_231108	Interlab_D	0.08 ^{#1}	<0.01	-	0.04 ^{#1}	6.9<																		



Appendix C
Table C4
Groundwater Analytical Results

					PFAS - Perfluoroalkyl Sulfonamide							PFAS - Fluorotelomer Sulfonic Acids					PFAS - Sums					
					N-Ethyl perfluorooctane sulfonamide (EFOSA) µg/L	N-Ethyl perfluorooctane sulfonamidoacetic acid (EIFOSAA) µg/L	N-Ethyl perfluorooctane sulfonamidoethanol (EIFOSE) µg/L	N-Methyl perfluorooctane sulfonamide (MeFOSA) µg/L	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA) µg/L	N-Methyl perfluorooctane sulfonamidoethanol (MEFOSE) µg/L	Perfluorooctane sulfonamide (FOSA) µg/L	Perfluorooctane sulfonamidoacetic acid (FOSAA) µg/L	4:2 Fluorotelomer sulfonic acid (4:2 FTS) µg/L	6:2 Fluorotelomer Sulfonate (6:2 FTS) µg/L	8:2 Fluorotelomer sulfonic acid (8:2 FTS) µg/L	10:2 Fluorotelomer sulfonic acid (10:2 FTS) µg/L	PFAS (Sum of Total) µg/L	Sum of WA DWER PFAS (n=10)* µg/L	PFAS (Sum of Total)(WA DER List) µg/L	Sum of US EPA PFAS (PFOS + PFOA)* µg/L	Sum of PFHxS and PFOS µg/L	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)* µg/L
LOR					0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.002	0.001 - 0.01	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.001	0.001	0.002	0.001	0.001	0.001
ADWG 2011 Health (v4.0 updated June 2025)					0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.002	0.001 - 0.01	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.001	0.001	0.002	0.001	0.001	0.001
Area	Location Code	Date	Field ID	Sample Type																		
	0960 MW168	19 Nov 2020	0960_QC204_201119	Interlab_D	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.01	<0.05	<0.01	<0.01	1.17	1.07	-	0.09	0.68	0.7
	0960 MW168	23 Jun 2021	0960_MW168_210623	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	1.35	1.26	-	-	0.86	-
	0960 MW168	24 Nov 2021	0960_MW168_211124	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	2.22	2.09	-	-	1.34	-
	0960 MW168	24 Nov 2021	0960_QC127_211124	Field_D	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	2.13	2.01	-	-	1.31	-
	0960 MW168	24 Nov 2021	0960_QC227_211124	Interlab_D	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.01	<0.05	<0.01	<0.01	1.73	1.59	-	0.07	0.94	0.96
	0960 MW168	22 Jun 2022	0960_MW168_220622	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	0.83	0.78	-	-	0.54	-
	0960 MW168	22 Nov 2022	0960_MW168_221122	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	1.93	1.78	-	-	1.24	-
	0960 MW168	28 Jun 2023	0960_MW168_230628	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	1.70	1.57	-	-	1.12	-
	0960 MW168	08 Nov 2023	0960_MW168_231108	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	1.66	1.54	-	-	1.05	-
	0960 MW168	22 May 2024	0960_MW168_240522	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	1.40	1.31	-	-	0.92	-
	0960 MW168	22 May 2024	0960_QC119_240522	Field_D	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	1.46	1.37	-	-	0.97	-
	0960 MW168	22 May 2024	0960_QC219_240522	Interlab_D	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.01	<0.05	<0.01	<0.01	2.71	2.44	-	0.3	1.86	1.9
	0960 MW168	12 Dec 2024	0960_MW168_241212	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	1.49	1.38	-	-	0.99	-
	0960 MW168	25 Jun 2025	0960_MW168_250623	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	1.01	-	0.95	-	0.68	-
	0960 MW211	09 Mar 2018	0960_MWA0294_180309	Normal	<0.05	<0.002	<0.05	<0.002	<0.002	<0.005	<0.01	-	<0.001	<0.001	<0.001	<0.001	-	-	-	-	8	-
	0960 MW211	09 Jun 2018	0960_MWA0294_180609	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	<0.001	<0.001	<0.001	-	-	-	-	-	-
	0960 MW211	26 Nov 2019	0960_MWA0294_191126	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	0.06	<0.05	<0.05	7.04	6.70	-	-	5.65	-
	0960 MW211	24 Jun 2020	0960_MW211_200624	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	6.78	6.41	-	-	5.40	-
	0960 MW211	19 Nov 2020	0960_MW211_201119	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	7.39	7.02	-	-	5.92	-
	0960 MW211	23 Jun 2021	0960_MW211_210623	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	4.82	4.66	-	-	4.15	-
	0960 MW211	25 Nov 2021	0960_MW211_211125	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	5.14	4.96	-	-	4.13	-
	0960 MW211	22 Jun 2022	0960_MW211_220622	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	5.65	5.53	-	-	5.01	-
	0960 MW211	22 Nov 2022	0960_MW211_221122	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	6.52	6.36	-	-	5.59	-
	0960 MW211	22 Nov 2022	0960_QC114_221122	Field_D	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	6.36	6.20	-	-	5.42	-
	0960 MW211	22 Nov 2022	0960_QC214_221122	Interlab_D	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.01	<0.05	<0.01	<0.01	5.92	5.76	-	4.45	5.11	5.16
	0960 MW211	28 Jun 2023	0960_MW211_230628	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	7.20	7.08	-	-	6.48	-
	0960 MW211	28 Jun 2023	0960_QC115_230628	Field_D	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	6.54	6.42	-	-	5.81	-
	0960 MW211	28 Jun 2023	0960_QC215_230628	Interlab_D	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.01	<0.05	<0.01	<0.01	6.21	6.04	-	5.05	5.55	5.6
	0960 MW211	08 Nov 2023	0960_MW211_231108	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	8.19	8.08	-	-	7.37	-
	0960 MW211	08 Nov 2023	0960_QC121_231108	Field_D	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	8.43	8.32	-	-	7.61	-
	0960 MW211	08 Nov 2023	0960_QC221_231108	Interlab_D	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.01	<0.05	<0.01	<0.01	8.15	8	-	6.95	7.47	7.52
	0960 MW211	22 May 2024	0960_MW211_240522	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	7.24	7.10	-	-	6.51	-
	0960 MW211	13 Dec 2024	0960_MW211_241212	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	8.07	7.91	-	-	7.24	-
	0960 MW211	23 Jun 2025	0960_MW211_250623	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	14.3	-	13.9	-	12.4	-
	0960 MW233	06 Oct 2015	WA0043-MW63A	Normal	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-
	0960 MW233	14 Mar 2016	MW63_140316	Normal	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-
	0960 MW233	02 Dec 2016	MW063A	Normal	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-
	0960 MW233	06 Mar 2018	0960_MW063A_180306	Normal																		



				PFAS - Perfluoroalkyl Sulfonic Acids										PFAS - Perfluoroalkyl Carboxylic Acids													
				Perfluorobutane sulfonic acid (PFBS)	Perfluorodecanesulfonic acid (PFDS)	Perfluorononane sulfonate (PFNS)	Perfluorooctane sulfonic acid (PFHpS)	Perfluorooctane sulfonic acid (PFOS)	Perfluoropropanesulfonic acid (PFPrS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluorononanesulfonic acid (PFNS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluorobutanoic acid (PFBA)	Perfluorodecanoic acid (PFDA)	Perfluorododecanoic acid (PFDDoA)	Perfluoroheptanoic acid (PFHpA)	Perfluorohexanoic acid (PFHxA)	Perfluorononanoic acid (PFNA)	Perfluorooctanoic acid (PFoA)	Perfluoropentanoic acid (PFPeA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorotridecanoic acid (PFTriDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluoro-n-hexadecanoic acid (PFHxDA)			
LOR				µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L		
ADWG 2011 Health (v4.0 updated June 2025)				1	0.001	0.001	0.001	0.0001	0.001	0.001	0.001	0.001	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.0005 - 0.05			
				1	0.001	0.001	0.001	0.008	0.001	0.001	0.001	0.03							0.2								
Area	Location Code	Date	Field ID	Sample Type	0.13	<0.02	-	<0.02	0.05	-	0.18	-	0.82	<0.1	<0.02	<0.02	<0.02	0.15	<0.02	0.01	0.03	<0.05	<0.02	<0.02	-		
Fuel Farm (Former and Current)	0960_MW105	25 Jun 2020	0960_MW105_200625	Normal	0.12	<0.02	-	<0.02	0.03	-	0.16	-	0.73	<0.1	<0.02	<0.02	<0.02	0.13	<0.02	<0.01	0.02	<0.05	<0.02	<0.02	-		
	0960_MW105	23 Jun 2021	0960_QC112_210623	Field_D	0.13	<0.02	-	<0.02	0.04	-	0.16	-	0.76	<0.1	<0.02	<0.02	<0.02	0.13	<0.02	<0.01	0.03	<0.05	<0.02	<0.02	-		
	0960_MW105	23 Jun 2021	0960_QC212_210623	Interlab_D	0.11	<0.01	-	<0.01	0.03 ^{#1}	0.04	0.14 ^{#1}	<0.01	0.72 ^{#1}	<0.05	<0.01	<0.01	<0.01	0.12 ^{#1}	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	-		
	0960_MW105	24 Nov 2021	0960_MW105_211124	Normal	0.18	<0.02	-	<0.02	0.04	-	0.18	-	0.95	<0.1	<0.02	<0.02	<0.02	0.20	<0.02	0.01	0.03	<0.05	<0.02	<0.02	-		
	0960_MW105	24 Nov 2021	0960_QC116_211124	Field_D	0.29	<0.02	-	<0.02	0.06	-	0.31	-	1.70	<0.1	<0.02	<0.02	<0.02	0.33	<0.02	0.02	0.05	<0.05	<0.02	<0.02	-		
	0960_MW105	24 Nov 2021	0960_QC216_211124	Interlab_D	0.12	<0.01	-	0.01 ^{#1}	0.03 ^{#1}	0.05	0.19 ^{#1}	<0.01	0.79 ^{#1}	<0.05	<0.01	<0.01	<0.01	0.14	<0.01	0.01 ^{#1}	0.03	<0.01	<0.01	<0.01	-		
	0960_MW105	22 Jun 2022	0960_MW105_220622	Normal	0.18	<0.02	-	<0.02	0.04	-	0.20	-	0.92	<0.1	<0.02	<0.02	<0.02	0.19	<0.02	0.01	0.04	<0.05	<0.02	<0.02	-		
	0960_MW105	22 Jun 2022	0960_QC119_220622	Field_D	0.15	<0.02	-	<0.02	0.05	-	0.20	-	0.86	<0.1	<0.02	<0.02	<0.02	0.17	<0.02	0.01	0.04	<0.05	<0.02	<0.02	-		
	0960_MW105	22 Jun 2022	0960_QC219_220622	Interlab_D	0.15	<0.004	-	0.006	0.034	-	0.20	-	0.11	0.044	<0.001	<0.001	<0.004	0.017	<0.002	0.014	0.025	<0.001	<0.001	<0.001	-		
	0960_MW105	22 Nov 2022	0960_MW105_221122	Normal	0.13	<0.02	-	<0.02	0.03	-	0.17	-	0.89	<0.1	<0.02	<0.02	<0.02	0.14	<0.02	0.01	0.03	<0.05	<0.02	<0.02	-		
	0960_MW105	28 Jun 2023	0960_MW105_230628	Normal	0.15	<0.02	-	<0.02	0.03	-	0.20	-	0.78	<0.1	<0.02	<0.02	<0.02	0.14	<0.02	0.01	0.03	<0.05	<0.02	<0.02	-		
	0960_MW105	28 Jun 2023	0960_QC125_230628	Field_D	0.14	<0.02	-	<0.02	0.03	-	0.19	-	0.88	<0.1	<0.02	<0.02	<0.02	0.13	<0.02	0.01	0.03	<0.05	<0.02	<0.02	-		
	0960_MW105	28 Jun 2023	0960_QC225_230628	Interlab_D	0.10 ^{#1}	<0.01	-	<0.01	<0.04 ^{#4}	0.03	0.16 ^{#1}	<0.01	0.68 ^{#1}	<0.05	<0.01	<0.01	<0.01	0.11	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	-		
	0960_MW105	08 Nov 2023	0960_MW105_231108	Normal	0.17	<0.02	-	<0.02	0.05	-	0.22	-	1.00	<0.1	<0.02	<0.02	<0.02	0.21	<0.02	0.01	0.04	<0.05	<0.02	<0.02	-		
	0960_MW105	22 May 2024	0960_MW105_240522	Normal	0.20	<0.02	-	<0.02	0.06	-	0.24	-	1.12	<0.1	<0.02	<0.02	<0.02	0.26	<0.02	0.02	0.06	<0.05	<0.02	<0.02	-		
	0960_MW105	13 Dec 2024	0960_MW105_241213	Normal	0.25	<0.02	-	0.02	0.08	0.07	0.29	<0.02	1.44	<0.1	<0.02	<0.02	0.02	0.35	<0.02	0.02	0.07	<0.05	<0.02	<0.02	-		
	0960_MW105	24 Jun 2025	0960_MW105_250624	Normal	0.26	<0.02	<0.02	0.02	0.07	0.06	0.27	-	1.28	<0.1	<0.02	<0.02	0.02	0.31	<0.02	0.02	0.06	<0.05	<0.02	<0.02	<0.05		
	0960_MW148D	15 Jun 2018	0960_MW148D_180615	Normal	0.096	<0.002	-	0.028	0.25	-	0.082	-	0.35	0.020	<0.002	<0.005	0.017	0.13	<0.001	0.019	0.026	<0.05	<0.01	<0.002	-		
	0960_MW148D	02 Dec 2019	0960_MW148D_191202	Normal	2.09	<0.02	-	0.48	2.48	-	1.66	-	6.12	0.4	<0.02	<0.02	0.23	2.84	<0.02	0.29	0.47	<0.05	<0.02	<0.02	-		
	0960_MW148D	24 Jun 2020	0960_MW148D_200624	Normal	1.04	<0.02	-	0.29	1.87	-	0.95	-	3.70	0.2	<0.02	<0.02	0.14	1.24	<0.02	0.21	0.29	<0.05	<0.02	<0.02	-		
	0960_MW148D	19 Nov 2020	0960_MW148D_201119	Normal	0.72	<0.02	-	0.20	1.86	-	0.69	-	2.83	0.2	<0.02	<0.02	0.11	1.12	<0.02	0.15	0.22	<0.05	<0.02	<0.02	-		
	0960_MW148D	23 Jun 2021	0960_MW148D_210623	Normal	1.64	<0.02	-	0.41	3.13	-	1.23	-	5.00	0.3	<0.02	<0.02	0.23	1.81	<0.02	0.35	0.40	<0.05	<0.02	<0.02	-		
	0960_MW148D	24 Nov 2021	0960_MW148D_211124	Normal	1.49	<0.02	-	0.28	2.56	-	0.99	-	4.07	0.2	<0.02	<0.02	0.17	1.95	<0.02	0.25	0.34	<0.05	<0.02	<0.02	-		
	0960_MW148D	22 Jun 2022	0960_MW148D_220622	Normal	1.00	<0.02	-	0.29	2.20	-	0.87	-	3.74	0.2	<0.02	<0.02	0.15	1.26	<0.02	0.21	0.30	<0.05	<0.02	<0.02	-		
	0960_MW148D	22 Nov 2022	0960_MW148D_221122	Normal	1.14	<0.02	-	0.29	2.13	-	0.93	-	4.41	0.2	<0.02	<0.02	0.16	1.44	<0.02	0.25	0.34	<0.05	<0.02	<0.02	-		
	0960_MW148D	28 Jun 2023	0960_MW148D_230628	Normal	1.03	<0.02	-	0.31	2.04	-	0.81	-	4.00	0.3	<0.02	<0.02	0.14	1.21	<0.02	0.21	0.27	<0.05	<0.02	<0.02	-		
	0960_MW148D	08 Nov 2023	0960_MW148D_231108	Normal	1.28	<0.02	-	0.32	2.16	-	0.95	-	4.01	0.3	<0.02	<0.02	0.16	1.46	<0.02	0.27	0.32	<0.05	<0.02	<0.02	-		
	0960_MW148D	22 May 2024	0960_MW148D_240522	Normal	1.02	<0.02	-	0.32	1.95	-	0.71	-	3.88	0.2	<0.02	<0.02	0.15	1.18	<0.02	0.23	0.28	<0.05	<0.02	<0.02	-		
	0960_MW148D	12 Dec 2024	0960_MW148D_241212	Normal	1.18	<0.02	-	0.23	1.84	0.38	0.76	<0.02	3.50	0.2	<0.02	<0.02	0.12	1.18	<0.02	0.19	0.28	<0.05	<0.02	<0.02	-		
	0960_MW148D	23 Jun 2025	0960_MW148D_250623	Normal	0.87	<0.02	<0.02	0.24	1.41	0.29	0.55	-	2.57	0.2	<0.02	<0.02	0.10	0.94	<0.02	0.18	0.22	<0.05	<0.02	<0.02	<0.05		
	0960_MW148S	15 Jun 2018	0960_MW148_180615	Normal	8.6	<0.020	-	2.2	9.4	-	6.9	-	28	1.6	<0.020	<0.050	1.1	8.3									



Appendix C
Table C4
Groundwater Analytical Results

				PFAS - Perfluoroalkyl Sulfonamide								PFAS - Fluorotelomer Sulfonic Acids					PFAS - Sums					
				N-Ethyl perfluorooctane sulfonamide (EFOSA) µg/L	N-Ethyl perfluorooctane sulfonamidoacetic acid (EIFOSAA) µg/L	N-Ethyl perfluorooctane sulfonamidoethanol (EIFOSE) µg/L	N-Methyl perfluorooctane sulfonamide (MeFOSA) µg/L	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA) µg/L	N-Methyl perfluorooctane sulfonamidoethanol (MEFOSE) µg/L	Perfluorooctane sulfonamide (FOSA) µg/L	Perfluorooctane sulfonamidoacetic acid (FOSAA) µg/L	4:2 Fluorotelomer sulfonic acid (4:2 FTS) µg/L	6:2 Fluorotelomer Sulfonate (6:2 FTS) µg/L	8:2 Fluorotelomer sulfonic acid (8:2 FTS) µg/L	10:2 Fluorotelomer sulfonic acid (10:2 FTS) µg/L	PFAS (Sum of Total) µg/L	Sum of WA DWER PFAS (n=10)* µg/L	PFAS (Sum of Total)(WA DER List) µg/L	Sum of US EPA PFAS (PFOS + PFOA)* µg/L	Sum of PFHxS and PFOS µg/L	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)* µg/L	
				0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.002	0.001 - 0.01	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.001	0.001	0.002	0.001	0.001	0.001	
ADWG 2011 Health (v4.0 updated June 2025)																						
Area	Location Code	Date	Field ID	Sample Type																		
Fuel Farm (Former and Current)	0960 MW105	25 Jun 2020	0960 MW105 200625	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	1.37	1.19	-	-	0.87	-
	0960 MW105	23 Jun 2021	0960 MW105 210623	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	1.19	1.03	-	-	0.76	-
	0960 MW105	23 Jun 2021	0960 QC112 210623	Field_D	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	1.25	1.09	-	-	0.80	-
	0960 MW105	23 Jun 2021	0960 QC212 210623	Interlab_D	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.01	<0.05	<0.01	<0.01	1.18	1	-	0.03	0.75	0.75
	0960 MW105	24 Nov 2021	0960 MW105 211124	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	1.59	1.41	-	-	0.99	-
	0960 MW105	24 Nov 2021	0960 QC116 211124	Field_D	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	2.76	2.45	-	-	1.76	-
	0960 MW105	24 Nov 2021	0960 QC216 211124	Interlab_D	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.01	<0.05	<0.01	<0.01	1.38	1.13	-	0.04	0.82	0.83
	0960 MW105	22 Jun 2022	0960 MW105 220622	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	1.58	1.38	-	-	0.96	-
	0960 MW105	22 Jun 2022	0960 QC119 220622	Field_D	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	1.48	1.28	-	-	0.91	-
	0960 MW105	22 Jun 2022	0960 QC219 220622	Interlab_D	<0.004	<0.004	<0.008	<0.004	<0.004	<0.008	<0.004	<0.002	<0.008	<0.008	<0.002	<0.004	0.60	0.39	-	-	0.14	-
	0960 MW105	22 Nov 2022	0960 MW105 221122	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	1.40	1.23	-	-	0.92	-
	0960 MW105	28 Jun 2023	0960 MW105 230628	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	1.34	1.14	-	-	0.81	-
	0960 MW105	28 Jun 2023	0960 QC125 230628	Field_D	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	1.41	1.22	-	-	0.91	-
	0960 MW105	28 Jun 2023	0960 QC225 230628	Interlab_D	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.01	<0.05	<0.01	<0.01	1.1	0.91	-	<0.04	0.68	0.68
	0960 MW105	08 Nov 2023	0960 MW105 231108	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	1.70	1.48	-	-	1.05	-
	0960 MW105	22 May 2024	0960 MW105 240522	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	1.96	1.72	-	-	1.18	-
	0960 MW105	13 Dec 2024	0960 MW105 241213	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	2.61	2.23	-	-	1.52	-
	0960 MW105	24 Jun 2025	0960 MW105 250624	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	2.37	-	2.02	-	1.35	-
	0960 MW148D	15 Jun 2018	0960 MW148D 180615	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	<0.001	0.002	<0.001	-	-	-	-	0.60	-
	0960 MW148D	02 Dec 2019	0960 MW148D 191202	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	17.1	14.9	-	-	8.60	-
	0960 MW148D	24 Jun 2020	0960 MW148D 200624	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	9.93	8.69	-	-	5.57	-
	0960 MW148D	19 Nov 2020	0960 MW148D 201119	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	8.10	7.21	-	-	4.69	-
	0960 MW148D	23 Jun 2021	0960 MW148D 210623	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	14.5	12.9	-	-	8.13	-
	0960 MW148D	24 Nov 2021	0960 MW148D 211124	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	12.3	11.0	-	-	6.63	-
	0960 MW148D	22 Jun 2022	0960 MW148D 220622	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	10.2	9.06	-	-	5.94	-
	0960 MW148D	22 Nov 2022	0960 MW148D 221122	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	11.3	10.1	-	-	6.54	-
	0960 MW148D	28 Jun 2023	0960 MW148D 230628	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	10.3	9.20	-	-	6.04	-
	0960 MW148D	08 Nov 2023	0960 MW148D 231108	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	11.2	9.96	-	-	6.17	-
	0960 MW148D	22 May 2024	0960 MW148D 240522	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	9.92	8.89	-	-	5.83	-
	0960 MW148D	12 Dec 2024	0960 MW148D 241212	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	9.86	8.49	-	-	5.34	-
	0960 MW148D	23 Jun 2025	0960 MW148D 250623	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	7.57	-	6.49	-	3.98	-
	0960 MW148S	15 Jun 2018	0960 MW148 180615	Normal	<0.10	<0.020	<0.50	<0.050	<0.020	<0.050	<0.10	-	<0.010	<0.010	<0.010	<0.010	-	-	-	-	37	-
	0960 MW148S	02 Dec 2019	0960 MW148S 191202	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	83.9	73.4	-	-	49.0	-
	0960 MW148S	24 Jun 2020	0960 MW148S 200624	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	107	93.7	-	-	61.1	-
	0960 MW148S	24 Jun 2020	0960 QC110 200624	Field_D	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	106	92.3	-	-	60.9	-
	0960 MW148S	24 Jun 2020	0960 QC210 200624	Interlab_D	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.01	<0.05	<0.01	<0.01	95.8	83.1	-	23.8	51	52.8
	0960 MW148S	19 Nov 2020	0960 MW148S 201119	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	96.4	84.9	-	-	57.0	-
	0960 MW148S	23 Jun 2021	0960 MW148S 210623	Normal	<0.05																	



					PFAS - Perfluoroalkyl Sulfonic Acids								PFAS - Perfluoroalkyl Carboxylic Acids													
					Perfluorobutane sulfonic acid (PFBS)	Perfluorodecanesulfonic acid (PFDS)	Perfluorononane sulfonate (PFNS)	Perfluorooctane sulfonic acid (PFHxS)	Perfluorooctane sulfonic acid (PFOS)	Perfluoropropanesulfonic acid (PFPrS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluorononanesulfonic acid (PFNS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluorobutanoic acid (PFBA)	Perfluorodecanoic acid (PFDA)	Perfluorodecanoic acid (PFDoDA)	Perfluoroheptanoic acid (PFHpA)	Perfluorohexanoic acid (PFHxA)	Perfluorononanoic acid (PFNA)	Perfluorooctanoic acid (PFOA)	Perfluoropentanoic acid (PFPeA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorotridecanoic acid (PFTriDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluoro-n-hexadecanoic acid (PFHxDA)	
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
LOR					0.001	0.001	0.001	0.001	0.0001	0.001	0.001	0.001	0.001	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.0005 - 0.05	
ADWG 2011 Health (v4.0 updated June 2025)					1	0.001	0.001		0.008	0.001			0.03						0.2							
Area	Location Code	Date	Field ID	Sample Type																						
	0960_MW238	28 Jun 2023	0960_QC216_230628	Interlab_D	1.0 ^{#1}	<0.01	-	0.98 ^{#1}	9.9 ^{#1}	0.57	1.6 ^{#1}	<0.02	11 ^{#1}	0.51	<0.01	<0.01	0.33 ^{#1}	4.5	<0.01	0.74 ^{#1}	0.87	<0.01	<0.01	<0.01	-	
	0960_MW238	08 Nov 2023	0960_MW238_231108	Normal	1.54	<0.02	-	1.48	10.8	-	1.91	-	10.9	0.7	<0.02	<0.02	0.44	5.34	<0.02	0.87	1.21	<0.05	<0.02	<0.02	-	
	0960_MW238	08 Nov 2023	0960_QC119_231108	Field_D	1.61	<0.02	-	1.17	10.1	-	1.58	-	11.1	0.7	<0.02	<0.02	0.46	5.45	<0.02	0.83	1.15	<0.05	<0.02	<0.02	-	
	0960_MW238	08 Nov 2023	0960_QC219_231108	Interlab_D	1.3 ^{#1}	<0.01	-	0.75 ^{#1}	9.3 ^{#1}	0.78	1.2 ^{#1}	<0.02	9.0 ^{#1}	0.72	<0.01	<0.01	0.39 ^{#1}	4.4	<0.01	0.74 ^{#1}	1.1	<0.01	<0.01	<0.01	-	
	0960_MW238	22 May 2024	0960_MW238_240522	Normal	1.38	<0.02	-	1.05	8.56	-	1.26	-	9.80	0.5	<0.02	<0.02	0.34	4.42	<0.02	0.61	1.05	<0.05	<0.02	<0.02	-	
	0960_MW238	22 May 2024	0960_QC129_240522	Field_D	1.29	<0.02	-	1.04	7.14	-	1.16	-	8.23	0.5	<0.02	<0.02	0.34	4.26	<0.02	0.57	0.97	<0.05	<0.02	<0.02	-	
	0960_MW238	22 May 2024	0960_QC229_240522	Interlab_D	2.4	<0.01	-	1.6 ^{#1}	14 ^{#1}	0.91	2.8 ^{#1}	<0.01	17 ^{#1}	0.74	<0.01	<0.01	0.54 ^{#1}	6.3	0.01	1.2 ^{#1}	1.2	<0.01	<0.01	<0.01	-	
	0960_MW238	12 Dec 2024	0960_MW238_241212	Normal	2.25	<0.02	-	1.40	10.5	0.76	2.21	0.02	17.5	1.1	<0.02	<0.02	0.61	7.24	0.02	1.14	1.99	<0.05	<0.02	<0.02	-	
	0960_MW102	07 Mar 2018	0960_MW102_180307	Normal	<0.001	<0.002	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.002	<0.002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.05	<0.01	<0.002	-	
	0960_MW102	09 Jun 2018	0960_MW102_180609	Normal	<0.001	<0.002	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.002	<0.002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.05	<0.01	<0.002	-	
	0960_MW102	02 Dec 2019	0960_MW102_191202	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-	
	0960_MW102	24 Jun 2020	0960_MW102_200624	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-	
	0960_MW102	19 Nov 2020	0960_MW102_201119	Normal	<0.02	<0.02	-	<0.02	0.02	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-	
	0960_MW102	23 Jun 2021	0960_MW102_210623	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-	
	0960_MW102	25 Nov 2021	0960_MW102_211125	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-	
	0960_MW102	22 Jun 2022	0960_MW102_220622	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-	
	0960_MW102	22 Nov 2022	0960_MW102_221122	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-	
	0960_MW102	22 Nov 2022	0960_QC118_221122	Field_D	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-	
	0960_MW102	22 Nov 2022	0960_QC218_221122	Interlab_D	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	
	0960_MW102	28 Jun 2023	0960_MW102_230628	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-	
	0960_MW102	08 Nov 2023	0960_MW102_231108	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-	
	0960_MW102	23 May 2024	0960_MW102_240523	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-	
	0960_MW102	12 Dec 2024	0960_MW102_241212	Normal	<0.02	<0.02	-	<0.02	<0.01	<0.02	<0.02	<0.02	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-	
	0960_MW102	25 Jun 2025	0960_MW102_250625	Normal	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	<0.05	
	0960_MW115	07 Mar 2018	0960_MW115_180307	Normal	0.031	<0.002	-	0.003	0.020	-	0.030	-	0.16	0.006	<0.002	<0.005	0.002	0.043	<0.001	0.002	0.008	<0.05	<0.01	<0.002	-	
	0960_MW115	08 Jun 2018	0960_MW115_180608	Normal	0.041	<0.002	-	0.006	0.021	-	0.033	-	0.18	0.006	<0.002	<0.005	0.002	0.04	<0.001	0.002	0.01	<0.05	<0.01	<0.002	-	
	0960_MW115	29 Nov 2019	0960_MW115_191129	Normal	0.07	<0.02	-	<0.02	0.06	-	0.07	-	0.43	<0.1	<0.02	<0.02	<0.02	0.11	<0.02	<0.01	0.02	<0.05	<0.02	<0.02	-	
	0960_MW115	25 Jun 2020	0960_MW115_200625	Normal	0.09	<0.02	-	<0.02	0.06	-	0.12	-	0.73	<0.1	<0.02	<0.02	<0.02	0.18	<0.02	0.01	0.04	<0.05	<0.02	<0.02	-	
	0960_MW115	25 Jun 2020	0960_QC101_200625	Field_D	0.08	<0.02	-	<0.02	0.06	-	0.10	-	0.64	<0.1	<0.02	<0.02	<0.02	0.17	<0.02	0.01	0.03	<0.05	<0.02	<0.02	-	
	0960_MW115	25 Jun 2020	0960_QC201_200625	Interlab_D	0.09	<0.01	-	<0.01	0.05	0.03	0.08 ^{#1}	<0.01	0.61 ^{#1}	<0.05	<0.01	<0.01	<0.01	0.14	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	-	
	0960_MW115	19 Nov 2020	0960_MW115_201119	Normal	0.04	<0.02	-	<0.02	0.06	-	0.05	-	0.33	<0.1	<0.02	<0.02	<0.02	0.09	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-	
	0960_MW115	24 Jun 2021	0960_MW115_210624	Normal	0.10	<0.02	-	<0.02	0.12	-	0.13	-	0.91	<0.1	<0.02	<0.02	<0.02	0.20	<0.02	0.02	0.04	<0.05	<0.02	<0.02	-	
	0960_MW115	25 Nov 2021	0960_MW115_211125	Normal	0.19	<0.02	-	0.03	0.29	-	0.20	-	1.40	<0.1	<0.02	<0.02	0.02	0.39	<0.02	0.03	0.06	<0.05	<0.02	<0.02	-	
	0960_MW115	22 Jun 2022	0960_MW115_220622	Normal	0.17	<0.02	-	0.03	0.27	-	0.20	-	1.35	<0.1	<0.02	<0.02	0.02	0.34	<0.02	0.03	0.06	<0.05	<0.02	<0.02	-	
	0960_MW115	22 Nov 2022	0960_MW115_21																							



				PFAS - Perfluoroalkyl Sulfonamide								PFAS - Fluorotelomer Sulfonic Acids				PFAS - Sums						
				N-Ethyl perfluorooctane sulfonamide (EFOA) µg/L	N-Ethyl perfluorooctane sulfonamidacetic acid (EFOAA) µg/L	N-Ethyl perfluorooctane sulfonamidoethanol (EFOSE) µg/L	N-Methyl perfluorooctane sulfonamide (MeFOA) µg/L	N-Methyl perfluorooctane sulfonamidacetic acid (MeFOAA) µg/L	N-Methyl perfluorooctane sulfonamidoethanol (MEFOSE) µg/L	Perfluorooctane sulfonamide (FOA) µg/L	Perfluorooctane sulfonamidacetic acid (FOAA) µg/L	4:2 Fluorotelomer sulfonic acid (4:2 FTS) µg/L	6:2 Fluorotelomer Sulfonate (6:2 FTS) µg/L	8:2 Fluorotelomer sulfonic acid (8:2 FTS) µg/L	10:2 Fluorotelomer sulfonic acid (10:2 FTS) µg/L	PFAS (Sum of Total) µg/L	Sum of WA DWER PFAS (n=10)* ug/L	PFAS (Sum of Total)(WA DER List) µg/L	Sum of US EPA PFAS (PFOS + PFOA)* µg/L	Sum of PFHxS and PFOS µg/L	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)* µg/L	
				0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.002	0.001 - 0.01	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.001	0.001	0.002	0.001	0.001	0.001	
ADWG 2011 Health (v4.0 updated June 2025)				0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.002	0.001 - 0.01	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.001	0.001	0.002	0.001	0.001	0.001	
Area	Location Code	Date	Field ID	Sample Type																		
	0960_MW238	28 Jun 2023	0960_QC216_230628	Interlab_D	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.01	<0.05	<0.01	<0.01	32	28.85	-	10.64	20.9	21.64
	0960_MW238	08 Nov 2023	0960_MW238_231108	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	0.02	-	<0.05	<0.05	<0.05	<0.05	35.2	31.8	-	-	21.7	-
	0960_MW238	08 Nov 2023	0960_QC119_231108	Field_D	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	0.02	-	<0.05	<0.05	<0.05	<0.05	34.2	31.4	-	-	21.2	-
	0960_MW238	08 Nov 2023	0960_QC219_231108	Interlab_D	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.01	<0.05	<0.01	<0.01	29.68	26.95	-	10.04	18.3	19.04
	0960_MW238	22 May 2024	0960_MW238_240522	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	29.6	26.7	-	-	18.4	-
	0960_MW238	22 May 2024	0960_QC129_240522	Field_D	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	25.5	23.3	-	-	15.4	-
	0960_MW238	22 May 2024	0960_QC229_240522	Interlab_D	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.01	<0.05	0.03	<0.01	48.73	43.41	-	15.2	31	32.2
	0960_MW238	12 Dec 2024	0960_MW238_241212	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	0.05	<0.05	46.8	42.4	-	-	28.0	-
	0960_MW102	07 Mar 2018	0960_MW102_180307	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	<0.001	<0.001	<0.001	-	-	-	-	-	-
	0960_MW102	09 Jun 2018	0960_MW102_180609	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	<0.001	<0.001	<0.001	-	-	-	-	-	-
	0960_MW102	02 Dec 2019	0960_MW102_191202	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-
	0960_MW102	24 Jun 2020	0960_MW102_200624	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-
	0960_MW102	19 Nov 2020	0960_MW102_201119	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	0.02	0.02	-	-	0.02	-
	0960_MW102	23 Jun 2021	0960_MW102_210623	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-
	0960_MW102	25 Nov 2021	0960_MW102_211125	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-
	0960_MW102	22 Jun 2022	0960_MW102_220622	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-
	0960_MW102	22 Nov 2022	0960_MW102_221122	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-
	0960_MW102	22 Nov 2022	0960_QC118_221122	Field_D	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-
	0960_MW102	22 Nov 2022	0960_QC218_221122	Interlab_D	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.01	<0.05	<0.01	<0.01	<0.1	<0.05	-	<0.01	<0.01	<0.01
	0960_MW102	28 Jun 2023	0960_MW102_230628	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-
	0960_MW102	08 Nov 2023	0960_MW102_231108	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-
	0960_MW102	23 May 2024	0960_MW102_240523	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-
	0960_MW102	12 Dec 2024	0960_MW102_241212	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-
	0960_MW102	25 Jun 2025	0960_MW102_250625	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	-	<0.01	-	<0.01	-
	0960_MW115	07 Mar 2018	0960_MW115_180307	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	<0.001	<0.001	<0.001	-	-	<0.01	-	-	-
	0960_MW115	08 Jun 2018	0960_MW115_180608	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	<0.001	<0.001	<0.001	-	-	-	-	-	-
	0960_MW115	29 Nov 2019	0960_MW115_191129	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	0.76	0.69	-	-	0.49	-
	0960_MW115	25 Jun 2020	0960_MW115_200625	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	1.23	1.11	-	-	0.79	-
	0960_MW115	25 Jun 2020	0960_QC101_200625	Field_D	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	1.09	0.99	-	-	0.70	-
	0960_MW115	25 Jun 2020	0960_QC201_200625	Interlab_D	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.01	<0.05	<0.01	<0.01	1.03	0.92	-	0.05	0.66	0.66
	0960_MW115	19 Nov 2020	0960_MW115_201119	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	0.57	0.52	-	-	0.39	-
	0960_MW115	24 Jun 2021	0960_MW115_210624	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	1.52	1.39	-	-	1.03	-
	0960_MW115	25 Nov 2021	0960_MW115_211125	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	2.61	2.38	-	-	1.69	-
	0960_MW115	22 Jun 2022	0960_MW115_220622	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	2.47	2.24	-	-	1.62	-
	0960_MW115	22 Nov 2022	0960_MW115_221122	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	2.72	2.46	-	-	1.69	-
	0960_MW115	28 Jun 2023	0960_MW115_230628	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	2.91	2.65	-	-	1.86	-
	0960_MW115	08 Nov 2023	0960_MW115_231108	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	3.00	2.73	-	-	1.86	-
	0960_MW115	22 May 2024	0960_MW115_240522	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	2.98	2.72	-	-	1.94	-
	0960_MW115	12 Dec 2024	0960_MW115_241212	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	3.37	3.04	-	-	2.22	-
	0960_MW115	25 Jun 2025	0960_MW115_250625	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05</						



				PFAS - Perfluoroalkyl Sulfonic Acids										PFAS - Perfluoroalkyl Carboxylic Acids													
				Perfluorobutane sulfonic acid (PFBS)	Perfluorodecanesulfonic acid (PFDS)	Perfluorononane sulfonate (PFNS)	Perfluorophosphate sulfonic acid (PFHsP)	Perfluorooctane sulfonic acid (PFOS)	Perfluoropropanesulfonic acid (PFPrS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluorononanesulfonic acid (PFNS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluorobutanoic acid (PFBA)	Perfluorodecanoic acid (PFDA)	Perfluorododecanoic acid (PFDDA)	Perfluorooctanoic acid (PFHpA)	Perfluorohexanoic acid (PFHxA)	Perfluorononanoic acid (PFNA)	Perfluorooctanoic acid (PFOA)	Perfluoropentanoic acid (PFPeA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorododecanoic acid (PFTDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorohexadecanoic acid (PFHxDA)			
				µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L			
ADWG 2011 Health (v4.0 updated June 2025)				0.001	0.001	0.001	0.001	0.0001	0.001	0.001	0.001	0.001	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.0005 - 0.05			
1								0.008				0.03							0.2								
Area	Location Code	Date	Field ID	Sample Type																							
Airside	0960 MW124	09 Jun 2018	0960 MW124 180609	Normal	0.002	<0.002	-	<0.001	0.005	Normal	-	<0.001	-	0.002	0.004	<0.002	<0.005	<0.001	0.001	<0.001	<0.001	<0.002	<0.05	<0.01	<0.002	-	
	0960 MW124	02 Dec 2019	0960 MW124 191202	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.05	<0.02	-		
	0960 MW124	29 Jun 2020	0960 MW124 200629	Normal	<0.02	<0.02	-	<0.02	<0.01	-	-	-	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.05	<0.02	-		
	0960 MW124	19 Nov 2020	0960 MW124 201119	Normal	<0.02	<0.02	-	<0.02	0.01	-	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.05	<0.02	-		
	0960 MW124	23 Jun 2021	0960 MW124 210623	Normal	<0.02	<0.02	-	<0.02	<0.01	-	-	-	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.05	<0.02	-		
	0960 MW124	25 Nov 2021	0960 MW124 211125	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.05	<0.02	-		
	0960 MW124	22 Jun 2022	0960 MW124 220622	Normal	<0.02	<0.02	-	<0.02	<0.01	-	-	-	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.05	<0.02	-		
	0960 MW124	22 Nov 2022	0960 MW124 221122	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.05	<0.02	-		
	0960 MW124	28 Jun 2023	0960 MW124 230628	Normal	<0.02	<0.02	-	<0.02	<0.01	-	-	-	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.05	<0.02	-		
	0960 MW124	08 Nov 2023	0960 MW124 231108	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.05	<0.02	-		
	0960 MW124	23 May 2024	0960 MW124 240523	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.05	<0.02	-		
	0960 MW124	12 Dec 2024	0960 MW124 241212	Normal	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05		
	0960 MW124	25 Jun 2025	0960 MW124 250625	Normal	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05		
	0960 MW126	07 Mar 2018	0960 MW126 180307	Normal	<0.001	<0.002	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.002	<0.002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.05	<0.01	<0.002	-	
	0960 MW126	08 Jun 2018	0960 MW126 180608	Normal	<0.001	<0.002	-	<0.001	0.009	-	<0.001	-	<0.001	<0.001	<0.002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.05	<0.01	<0.002	-	
	0960 MW126	29 Nov 2019	0960 MW126 191129	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.05	<0.02	-	
	0960 MW126	24 Jun 2020	0960 MW126 200624	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.05	<0.02	-	
	0960 MW126	23 Jun 2021	0960 MW126 210623	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.05	<0.02	-	
	0960 MW126	25 Nov 2021	0960 MW126 211125	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.05	<0.02	-	
	0960 MW126	22 Jun 2022	0960 MW126 220622	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.05	<0.02	-	
	0960 MW126	22 Nov 2022	0960 MW126 221122	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.05	<0.02	-	
	0960 MW126	28 Jun 2023	0960 MW126 230628	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.05	<0.02	-	
	0960 MW126	08 Nov 2023	0960 MW126 231108	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.05	<0.02	-	
	0960 MW126	23 May 2024	0960 MW126 240523	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.05	<0.02	-	
	0960 MW126	12 Dec 2024	0960 MW126 241212	Normal	<0.02	<0.02	-	<0.02	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.05	<0.02	-	
	0960 MW126	12 Dec 2024	0960 QC104 241212	Field D	<0.02	<0.02	-	<0.02	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.05	<0.02	-	
	0960 MW126	12 Dec 2024	0960 QC204 241212	Interlab D	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	
	0960 MW126	25 Jun 2025	0960 MW126 250625	Normal	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.02	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05	
	0960 MW126	25 Jun 2025	0960 QC105 250625	Field D	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.02	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05	
	0960 MW126	25 Jun 2025	0960 QC205 250625	Interlab D	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	
	0960 MW127	07 Mar 2018	0960 MW127 180307	Normal	<0.001	<0.002	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.002	<0.002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.05	<0.01	<0.002	-	
	0960 MW127	08 Jun 2018	0960 MW127 180608	Normal	<0.001	<0.002	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.002	<0.002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.05	<0.01	<0.002	-	
	0960 MW127	29 Nov 2019	0960 MW127 191129	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.05	<0.02	-	
	0960 MW127	25 Jun 2020	0960 MW127 200625	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.05	<0.02	-	
	0960 MW127	19 Nov 2020	0960 MW127 201119	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.05	<0.02	-	
	0960 MW127	19 Nov 2020	0960 QC109 201119	Field D	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.05	<0.02	-	
	0960 MW127	19 Nov 2020	0960 QC209 201119	Interlab D	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	
	0960 MW127	23 Jun 2021	0960 MW127 210623	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.05	<0.02	-	
	0960 MW127	23 Jun 2021	0960 QC107 210623	Field D	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.05	<0.02	-	
	0960 MW127	23 Jun 2021	0960 QC207 210623	Interlab D	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	
	0960 MW127	25 Nov 2021	0960 MW127 211125	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02									



					PFAS - Perfluoroalkyl Sulfonamide							PFAS - Fluorotelomer Sulfonic Acids					PFAS - Sums						
					N-Ethyl perfluorooctane sulfonamide (EFOSA)	N-Ethyl perfluorooctane sulfonamidacetic acid (EFOAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EFOSE)	N-Methyl perfluorooctane sulfonamide (MeFOA)	N-Methyl perfluorooctane sulfonamidacetic acid (MeFOAA)	N-Methyl perfluorooctane sulfonamidoethanol (MEFOSE)	Perfluorooctane sulfonamide (FOSA)	Perfluorooctane sulfonamidacetic acid (FOSAA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer Sulfonate (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfuric acid (10:2 FTS)	PFAS (Sum of Total)	Sum of IVA DWER PFAS (n=10)*	PFAS (Sum of Total)(IVA DER List)	Sum of US EPA PFAS (PFOs + PFOA)*	Sum of PFHxS and PFOS	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
ADWG 2011 Health (v4.0 updated June 2025)					0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.002	0.001 - 0.01	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.001	0.001	0.002	0.001	0.001	0.001	
Area	Location Code	Date	Field ID	Sample Type																			
Airside	0960 MW124	09 Jun 2018	0960 MW124 180609	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	<0.001	<0.001	<0.001	-	-	-	-	-	-	
	0960 MW124	02 Dec 2019	0960 MW124 191200	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW124	29 Jun 2020	0960 MW124 200629	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW124	19 Nov 2020	0960 MW124 201119	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	0.01	0.01	-	-	0.01	-	
	0960 MW124	23 Jun 2021	0960 MW124 210623	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW124	25 Nov 2021	0960 MW124 211125	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW124	22 Jun 2022	0960 MW124 220622	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW124	22 Nov 2022	0960 MW124 221122	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW124	28 Jun 2023	0960 MW124 230628	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW124	08 Nov 2023	0960 MW124 231108	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW124	23 May 2024	0960 MW124 240523	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW124	12 Dec 2024	0960 MW124 241212	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW124	25 Jun 2025	0960 MW124 250625	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	<0.01	<0.01	-	
	0960 MW126	07 Mar 2018	0960 MW126 180307	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	-	-	-	-	-
	0960 MW126	08 Jun 2018	0960 MW126 180608	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	-	-	-	-	-
	0960 MW126	29 Nov 2019	0960 MW126 191129	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW126	24 Jun 2020	0960 MW126 200624	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW126	23 Jun 2021	0960 MW126 210623	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW126	25 Nov 2021	0960 MW126 211125	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW126	22 Jun 2022	0960 MW126 220622	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW126	22 Nov 2022	0960 MW126 221122	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW126	28 Jun 2023	0960 MW126 230628	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW126	08 Nov 2023	0960 MW126 231108	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW126	23 May 2024	0960 MW126 240523	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW126	12 Dec 2024	0960 MW126 241212	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW126	12 Dec 2024	0960 QC104 241212	Field D	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW126	12 Dec 2024	0960 QC204 241212	Interlab D	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.01	<0.05	<0.01	<0.01	<0.1	<0.05	-	<0.01	<0.01	<0.01	
	0960 MW126	25 Jun 2025	0960 MW126 250625	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	-	<0.01	-	<0.01	-	
	0960 MW126	25 Jun 2025	0960 QC105 250625	Field D	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	-	<0.01	-	<0.01	-	
	0960 MW126	25 Jun 2025	0960 QC205 250625	Interlab D	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.01	<0.05	<0.01	<0.01	<0.1	-	<0.05	<0.01	<0.01	<0.01	
	0960 MW127	07 Mar 2018	0960 MW127 180307	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	-	-	-	-	-
	0960 MW127	08 Jun 2018	0960 MW127 180608	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-	-	-	-	-	-
	0960 MW127	29 Nov 2019	0960 MW127 191129	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW127	25 Jun 2020	0960 MW127 200625	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW127	19 Nov 2020	0960 MW127 201119	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW127	19 Nov 2020	0960 QC109 201119	Field D	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW127	19 Nov 2020	0960 QC209 201119	Interlab D	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.01	<0.05	<0.01	<0.01	<0.1	<0.05	-	<0.01	<0.01	<0.01	
	0960 MW127	23 Jun 2021	0960 MW127 210623	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW127	23 Jun 2021	0960 QC107 210623	Field D	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW127	23 Jun 2021	0960 QC207 210623	Interlab D	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.01	<0.05	<0.01	<0.01	<0.1	<0.05	-	<0.01	<0.01	<0.01	
	0960 MW127	25 Nov 2021	0960 MW127 211125	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	<0.01	<0.01	-	
	0960 MW127	22 Jun 2022	0960 MW127 220622	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW127	22 Nov 2022	0960 MW127 221122	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW127	28 Jun 2023	0960 MW127 230628	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW127	08 Nov 2023	0960 MW127 231108	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW127	23 May 2024	0960 MW127 240523	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW127	12 Dec 2024	0960 MW127 241212	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW127	25 Jun 2025	0960 MW127 250625	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW170	18 Jun 2018	0960 MW170 180618	Normal	<0.01	<0.002	<0.05	<0.0															



				PFAS - Perfluoroalkyl Sulfonic Acids										PFAS - Perfluoroalkyl Carboxylic Acids													
				Perfluorobutane sulfonic acid (PFBS)	Perfluorodecanesulfonic acid (PFDS)	Perfluorononane sulfonate (PFNS)	Perfluorooctadecane sulfonic acid (PFHpS)	Perfluorooctadecane sulfonic acid (PFOS)	Perfluoropropanesulfonic acid (PFPrS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluorononanesulfonic acid (PFNS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluorobutanoic acid (PFBA)	Perfluorodecanoic acid (PFDA)	Perfluorododecanoic acid (PFDDoA)	Perfluoroheptanoic acid (PFHpA)	Perfluorohexanoic acid (PFHxA)	Perfluorononanoic acid (PFNA)	Perfluorooctanoic acid (PFoA)	Perfluoropentanoic acid (PFPeA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorotridecanoic acid (PFTiDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluoro-n-hexadecanoic acid (PFHxDA)			
LOR				µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L			
ADWG 2011 Health (v4.0 updated June 2025)				1	0.001	0.001	0.001	0.0001	0.001	0.001	0.001	0.001	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.0005 - 0.05			
				1	0.001	0.001	0.001	0.008	0.001	0.001	0.001	0.03	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.0005 - 0.05			
Area	Location Code	Date	Field ID	Sample Type																							
Additional Locations	0960_MW227	22 Jun 2018	0960_SMB1_180622	Normal	<0.001	<0.002	-	<0.001	0.008	-	<0.001	-	0.004	<0.002	<0.002	<0.005	0.001	0.002	0.002	0.002	<0.002	<0.05	<0.01	<0.002	-		
	0960_MW227	22 Jun 2018	0960_SMB1_180622	Field D	<0.001	<0.002	-	<0.001	0.007	-	<0.001	-	0.003	<0.002	<0.002	<0.005	0.001	0.002	0.001	0.001	<0.002	<0.05	<0.01	<0.002	-		
	0960_MW227	13 Dec 2024	0960_MW227_241213	Normal	<0.02	<0.02	-	<0.02	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	-			
	0960_MW227	25 Jun 2025	0960_MW227_250624	Normal	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.01	<0.02	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005		
	0960_MW228	22 Jun 2018	0960_SMB2_180622	Normal	<0.001	<0.002	-	<0.001	0.003	-	<0.001	-	0.002	<0.002	<0.002	<0.005	0.004	0.004	0.008	0.003	0.003	<0.05	<0.01	<0.002	-		
	0960_MW228	13 Dec 2024	0960_MW228_241213	Normal	<0.002	<0.002	-	<0.002	<0.002	<0.01	<0.002	-	<0.002	<0.01	<0.02	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005		
	0960_MW228	27 Jun 2025	0960_MW228_250627	Normal	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.01	<0.02	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005			
	0960_MW229	10 Mar 2018	0960_SMB3_180310	Normal	<0.001	<0.002	-	<0.001	0.003	-	<0.001	-	0.001	<0.002	<0.002	<0.005	0.001	0.002	<0.001	0.002	<0.002	<0.05	<0.01	<0.002	-		
	0960_MW229	22 Jun 2018	0960_SMB3_180622	Normal	<0.001	<0.002	-	<0.001	0.003	-	<0.001	-	0.002	<0.002	<0.002	<0.005	0.001	0.002	<0.001	0.002	<0.002	<0.05	<0.01	<0.002	-		
	0960_MW229	13 Dec 2024	0960_MW229_241213	Normal	<0.002	<0.002	-	<0.002	<0.002	<0.01	<0.002	-	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005		
	0960_MW229	13 Dec 2024	0960_QC106_241213	Field D	<0.002	<0.002	-	<0.002	<0.002	<0.01	<0.002	-	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005		
	0960_MW229	13 Dec 2024	0960_QC206_241213	Interlab D	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-		
	0960_MW229	25 Jun 2025	0960_MW229_250624	Normal	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	-	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005		
	0960_MW230	10 Mar 2018	0960_SMB4_180310	Normal	<0.001	<0.002	-	<0.001	0.002	-	<0.001	-	<0.001	<0.002	<0.002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.05	<0.01	<0.002	-		
	0960_MW230	22 Jun 2018	0960_SMB4_180622	Normal	<0.001	<0.002	-	<0.001	0.003	-	<0.001	-	0.002	<0.002	<0.002	<0.005	0.001	0.001	<0.001	0.001	<0.002	<0.05	<0.01	<0.002	-		
	0960_MW230	13 Dec 2024	0960_MW230_241213	Normal	<0.002	<0.002	-	<0.002	<0.002	<0.01	<0.002	-	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005		
	0960_MW230	25 Jun 2025	0960_MW230_250624	Normal	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	-	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005		
	0960_MW134	10 Mar 2018	0960_MW134_180310	Normal	0.002	<0.002	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.002	<0.002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.05	<0.01	<0.002	-		
	0960_MW134	10 Jun 2018	0960_MW134_180610	Normal	0.001	<0.002	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.002	<0.002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.05	<0.01	<0.002	-		
	0960_MW134	29 Nov 2019	0960_MW134_191129	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	-		
	0960_MW134	26 Jun 2020	0960_MW134_200626	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	-		
	0960_MW134	20 Nov 2020	0960_MW134_201120	Normal	<0.02	<0.02	-	<0.02	0.02	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	-		
	0960_MW134	24 Jun 2021	0960_MW134_210624	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	-		
	0960_MW134	25 Nov 2021	0960_MW134_211125	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	-		
	0960_MW134	23 Jun 2022	0960_MW134_230623	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	-		
	0960_MW134	22 Nov 2022	0960_MW134_221122	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	-		
	0960_MW134	28 Jun 2023	0960_MW134_230628	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	-		
	0960_MW134	08 Nov 2023	0960_MW134_231108	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	<0.02	-		
	0960_MW134	22 May 2024	0960_MW134_240522	Normal	<0.02	<0.0																					



Appendix C
Table C4
Groundwater Analytical Results

					PFAS - Perfluoroalkyl Sulfonamide								PFAS - Fluorotelomer Sulfonic Acids				PFAS - Sums					
					N-Ethyl perfluorooctane sulfonamide (EFOSA) µg/L	N-Ethyl perfluorooctane sulfonamidoacetic acid (EFOCAA) µg/L	N-Ethyl perfluorooctane sulfonamidoethanol (EFOSE) µg/L	N-Methyl perfluorooctane sulfonamide (MeFOSA) µg/L	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOCAA) µg/L	N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE) µg/L	Perfluorooctane sulfonamide (FOSA) µg/L	Perfluorooctane sulfonamidoacetic acid (FOCAA) µg/L	4:2 Fluorotelomer sulfonic acid (4:2 FTS) µg/L	6:2 Fluorotelomer Sulfonate (6:2 FTS) µg/L	8:2 Fluorotelomer sulfonic acid (8:2 FTS) µg/L	10:2 Fluorotelomer sulfonic acid (10:2 FTS) µg/L	PFAS (Sum of Total) µg/L	Sum of WA DWER PFAS (n=10)* ug/L	PFAS (Sum of Total)(WA DER List) µg/L	Sum of US EPA PFAS (PFOS + PFOA)* µg/L	Sum of PFHxS and PFOS µg/L	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)* µg/L
LOR					0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.002	0.001 - 0.01	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.001	0.001	0.002	0.001	0.001	0.001
ADWG 2011 Health (v4.0 updated June 2025)																						
Area	Location Code	Date	Field ID	Sample Type																		
Additional Locations	0960 MW227	22 Jun 2018	0960 SMB1 180622	Normal	<0.02	<0.004	<0.05	<0.01	<0.004	<0.01	<0.02	-	<0.001	<0.001	<0.001	<0.001	0.019	-	-	0.010	0.012	-
	0960 MW227	22 Jun 2018	0960 SMB1 180622	Field_D	<0.05	<0.01	<0.05	<0.05	<0.01	<0.05	<0.05	-	<0.001	<0.001	<0.001	<0.001	0.015	-	-	0.008	0.010	-
	0960 MW227	13 Dec 2024	0960 MW227 241213	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-
	0960 MW227	25 Jun 2025	0960 MW227 250624	Normal	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005	<0.002	-	<0.005	<0.005	<0.005	<0.005	<0.002	-	<0.002	-	<0.002	-
	0960 MW228	22 Jun 2018	0960 SMB2 180622	Normal	<0.02	<0.004	<0.05	<0.01	<0.004	<0.01	<0.02	-	<0.001	<0.001	<0.001	<0.001	0.027	-	-	0.006	0.005	-
	0960 MW228	13 Dec 2024	0960 MW228 241213	Normal	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005	<0.002	-	<0.005	<0.005	<0.005	<0.005	<0.002	<0.002	-	-	<0.002	-
	0960 MW228	27 Jun 2025	0960 MW228 250627	Normal	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005	<0.002	-	<0.005	<0.005	<0.005	<0.005	<0.002	-	<0.002	-	<0.002	-
	0960 MW229	10 Mar 2018	0960 SMB3 180310	Normal	<0.05	<0.002	<0.05	<0.02	<0.002	<0.005	<0.01	-	<0.001	<0.001	<0.001	<0.001	-	-	-	-	<0.001	-
	0960 MW229	22 Jun 2018	0960 SMB3 180622	Normal	<0.02	<0.004	<0.05	<0.01	<0.004	<0.01	<0.02	-	<0.001	<0.001	<0.001	<0.001	0.01	-	-	0.005	0.005	-
	0960 MW229	13 Dec 2024	0960 MW229 241213	Normal	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005	<0.002	-	<0.005	<0.005	<0.005	<0.005	<0.002	<0.002	-	-	<0.002	-
	0960 MW229	13 Dec 2024	0960 QC106 241213	Field_D	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005	<0.002	-	<0.005	<0.005	<0.005	<0.005	<0.002	<0.002	-	-	<0.002	-
	0960 MW229	13 Dec 2024	0960 QC206 241213	Interlab_D	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.01	<0.05	<0.01	<0.01	<0.1	<0.05	-	<0.01	<0.01	<0.01
	0960 MW229	25 Jun 2025	0960 MW229 250624	Normal	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005	<0.002	-	<0.005	<0.005	<0.005	<0.005	<0.002	-	<0.002	-	<0.002	-
	0960 MW230	10 Mar 2018	0960 SMB4 180310	Normal	<0.05	<0.002	<0.05	<0.02	<0.002	<0.005	<0.01	-	<0.001	<0.001	<0.001	<0.001	-	-	-	-	<0.001	-
	0960 MW230	22 Jun 2018	0960 SMB4 180622	Normal	<0.02	<0.004	<0.05	<0.01	<0.004	<0.01	<0.02	-	<0.001	<0.001	<0.001	<0.001	0.008	-	-	0.004	0.005	-
	0960 MW230	13 Dec 2024	0960 MW230 241213	Normal	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005	<0.002	-	<0.005	<0.005	<0.005	<0.005	<0.002	<0.002	-	-	<0.002	-
	0960 MW230	25 Jun 2025	0960 MW230 250624	Normal	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005	<0.002	-	<0.005	<0.005	<0.005	<0.005	<0.002	-	<0.002	-	<0.002	-
	0960 MW134	10 Mar 2018	0960 MW134 180310	Normal	<0.05	<0.002	<0.05	<0.02	<0.002	<0.005	<0.01	-	<0.001	<0.001	<0.001	<0.001	-	-	-	-	<0.001	-
	0960 MW134	10 Jun 2018	0960 MW134 180610	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	<0.001	<0.001	<0.001	-	-	-	-	-	-
	0960 MW134	29 Nov 2019	0960 MW134 191129	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	0.13	<0.05	<0.05	0.13	0.13	-	-	<0.01	-
	0960 MW134	26 Jun 2020	0960 MW134 200626	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-
	0960 MW134	20 Nov 2020	0960 MW134 201120	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	0.02	0.02	-	-	0.02	-
	0960 MW134	24 Jun 2021	0960 MW134 210624	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-
	0960 MW134	25 Nov 2021	0960 MW134 211125	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-
	0960 MW134	23 Jun 2022	0960 MW134 230623	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-
	0960 MW134	22 Nov 2022	0960 MW134 221122	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-
	0960 MW134	28 Jun 2023	0960 MW134 230628	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-
	0960 MW134	08 Nov 2023	0960 MW134 231108	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-
	0960 MW134	22 May 2024	0960 MW134 240522	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-
	0960 MW134	13 Dec 2024	0960 MW134 241213	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-
	0960 MW134	25 Jun 2025	0960 MW134 250625	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	-	<0.01	-	<0.01	-
	0960 MW135	08 Mar 2018	0960 MW135 2.5-3.0 180	Normal	<0.05	<0.002	<0.05	<0.02	<0.002	<0.005	<0.01	-	<0.001	0.002	<0.001	<0.001	-	-	-	-	<0.001	-
	0960 MW135	08 Mar 2018	0960 MW135 4.5-5.0 180	Normal	<0.05	<0.002	<0.05	<0.02	<0.002	<0.005	<0.01	-	<0.001	<0.001	<0.001	<0.001	-	-	-	-	<0.001	-
	0960 MW135	08 Mar 2018	0960 MW135 6.5-7.0 180	Normal	<0.05	<0.002	<0.05	<0.02	<0.002	<0.005	<0.01	-	<0.001	0.004	<0.001	<0.001	-	-	-	-	<0.001	-
	0960 MW135	08 Mar 2018	0960 MW135 9.0-9.5 180	Normal	<0.05	<0.002	<0.05	<0.02	<0.002	<0.005	<0.01	-	<0.001	<0.001	<0.001	<0.001	-	-	-	-	<0.001	-
	0960 MW135	16 Jun 2018	0960 MW135 3.0 180616	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	<0.001	<0.001	<0.001	-	-	-	-	0.008	-
	0960 MW135	16 Jun 2018	0960 MW135 5.0 180616	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	<0.001	<0.001	<0.001	-	-	-	-	0.011	-
	0960 MW135	16 Jun 2018	0960 MW135 7.0 180616	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	<0.001	<0.001	<0.001	-	-	-	-	0.031	-
	0960 MW135	16 Jun 2018	0960 MW135 9.5 180616	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	<0.001	<0.001	<0.001	-	-	-	-	0.011	-
	0960 MW135	29 Nov 2019	0960 MW135 2.5-3.0 191	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	0.01	0.01	-	-	0.01	-
	0960 MW135	25 Jun 2020	0960 MW135 200625	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-
	0960 MW135	21 Nov 2020	0960 MW135 201121	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-
	0960 MW135	24 Jun 2021	0960 MW135 210624	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-
Nothern Drainage Channel	0960 MW135	24 Nov 2021	0960 MW135 6.4-7 2111	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	0.36	0.36	-	-	0.20	-
	0960 MW135	23 Jun 2022	0960 MW135 2.5-3 2306	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-



				PFAS - Perfluoroalkyl Sulfonic Acids										PFAS - Perfluoroalkyl Carboxylic Acids														
				Perfluorobutane sulfonic acid (PFBS)	Perfluorodecanesulfonic acid (PFDS)	Perfluorononane sulfonate (PFNS)	Perfluorooctadecane sulfonic acid (PFHpS)	Perfluorooctadecane sulfonic acid (PFOS)	Perfluoropropanesulfonic acid (PFPrS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluorononanesulfonic acid (PFNS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluorobutanoic acid (PFBA)	Perfluorodecanoic acid (PFDA)	Perfluorodecanoic acid (PFDDoA)	Perfluorooctadecanoic acid (PFHpA)	Perfluorohexanoic acid (PFHxA)	Perfluorononanoic acid (PFNA)	Perfluorooctanoic acid (PFOA)	Perfluoropentanoic acid (PFPeA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorotridecanoic acid (PFTriDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluoro-n-hexadecanoic acid (PFHxDA)				
				µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L			
LOR				0.001	0.001	0.001							0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.005 - 0.05				
ADWG 2011 Health (v4.0 updated June 2025)				1				0.008				0.03							0.2									
Area	Location Code	Date	Field ID	Sample Type																								
Central Drainage Channel	0960 MW137	16 Jun 2018	0960 MW137 1.3 180618	Normal	<0.001	<0.002	-	<0.001	0.004	-	<0.001	-	0.007	0.006	<0.002	<0.005	<0.001	<0.001	<0.001	<0.002	<0.05	<0.01	<0.002	-				
	0960 MW137	16 Jun 2018	0960 MW137 3.0 180618	Normal	<0.001	<0.002	-	<0.001	0.006	-	<0.001	-	0.007	0.009	<0.002	<0.005	<0.001	<0.001	<0.001	<0.002	<0.05	<0.01	<0.002	-				
	0960 MW137	16 Jun 2018	0960 MW137 5.0 180618	Normal	<0.001	<0.002	-	<0.001	0.006	-	<0.001	-	0.005	0.008	<0.002	<0.005	<0.001	<0.001	<0.001	<0.002	<0.05	<0.01	<0.002	-				
	0960 MW137	16 Jun 2018	0960 MW137 7.0 180618	Normal	<0.001	<0.002	-	<0.001	0.003	-	<0.001	-	0.005	0.004	<0.002	<0.005	<0.001	<0.001	<0.001	<0.002	<0.05	<0.01	<0.002	-				
	0960 MW137	29 Nov 2019	0960 MW137 4.5-5.0 1911	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	-				
	0960 MW137	29 Nov 2019	0960 QC101 191129	Field D	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	-				
	0960 MW137	29 Nov 2019	0960 QC201 191129	Interlab D	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-				
	0960 MW137	24 Jun 2020	0960 MW137 200624	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	-				
	0960 MW137	20 Nov 2020	0960 MW137 201120	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	-				
	0960 MW137	24 Jun 2021	0960 MW137 210624	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	-				
	0960 MW137	24 Nov 2021	0960 MW137 2.5-3 2111	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	-				
	0960 MW137	22 Jun 2022	0960 MW137 0.8-1.3 2206	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	-				
	0960 MW137	22 Nov 2022	0960 MW137 2.5-3.0 2211	Normal	<0.02	<0.02	-	<0.02	0.02	-	<0.02	-	0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	-				
	0960 MW137	28 Jun 2023	0960 MW137 2.5-3.0 2306	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	-				
	0960 MW137	08 Nov 2023	0960 MW137 2.5-3.0 2311	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.02	<0.02	-				
	0960 MW137	22 May 2024	0960 MW137 0.8-1.3 2406	Normal	<0.0005	<0.0005	-	<0.0005	0.0015	-	<0.0005	-	0.0009	<0.002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-			
	0960 MW137	22 May 2024	0960 MW137 2.5-3.0 2406	Normal	<0.0005	<0.0005	-	<0.0005	0.0028	-	<0.0005	-	0.0022	<0.002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-			
	0960 MW137	22 May 2024	0960 MW137 4.5-5.0 2406	Normal	<0.0005	<0.0005	-	0.0014	0.0121	-	0.0010	-	0.0125	0.003	<0.0005	<0.0005	0.0031	0.0045	<0.0005	0.0015	0.0015	<0.0005	<0.0005	<0.0005	-			
	0960 MW137	22 May 2024	0960 MW137 6.5-7.0 2406	Normal	<0.0005	<0.0005	-	0.0007	0.0096	-	0.0006	-	0.0073	0.003	<0.0005	<0.0005	0.0030	0.0023	<0.0005	0.0011	0.0008	<0.0005	<0.0005	<0.0005	-			
	0960 MW137	22 May 2024	0960 QC125 240522	Field D	<0.0005	<0.0005	-	<0.0005	0.0016	-	<0.0005	-	0.0011	<0.002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-			
	0960 MW137	22 May 2024	0960 QC225 240522	Interlab D	<0.001	<0.001	-	<0.001	0.002	<0.001	<0.001	<0.001	0.002	<0.005	<0.001	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-			
	0960 MW137	16 Dec 2024	0960 MW137A 241216	Normal	<0.0005	<0.0005	-	<0.0005	0.0015	<0.0020	<0.0005	-	0.0014	<0.0020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-			
	0960 MW137	16 Dec 2024	0960 MW137B 241216	Normal	<0.0005	<0.0005	-	<0.0005	0.0029	<0.0020	<0.0005	-	0.0013	<0.0020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-			
	0960 MW137	16 Dec 2024	0960 MW137C 241216	Normal	<0.0005	<0.0005	-	<0.0005	0.0049	<0.0020	<0.0005	-	0.0019	0.0022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-			
	0960 MW137	16 Dec 2024	0960 MW137D 241216	Normal	<0.0005	<0.0005	-	<0.0005	0.0114	<0.0020	<0.0005	-	0.0016	0.0027	<0.0005	<0.0005	0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-			
	0960 MW137	16 Dec 2024	0960 QC113 241216	Field D	<0.0005	<0.0005	-	<0.0005	0.0021	<0.0020	<0.0005	-	0.0012	<0.0020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-			
	0960 MW137	16 Dec 2024	0960 QC213 241216	Interlab D	<0.001	<0.001	-	<0.001	0.0033	<0.001	<0.001	<0.001	0.001 ^{#1}	<0.005	<0.001	<0.005	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	-			
	0960 MW137	24 Jun 2025	0960 MW137A 250624	Normal	<0.0005	<0.0005	<0.0005	<0.0005	0.0008	<0.0020	<0.0005	-	0.0010	<0.0020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-		
	0960 MW137	24 Jun 2025	0960 MW137B 250624	Normal	<0.0005	<0.0005	<0.0005	<0.0005	0.0030	<0.0020	<0.0005	-	0.0011	<0.0020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-		
	0960 MW137	24 Jun 2025	0960 MW137C 250624	Normal	<0.0005	<0.0005	<0.0005	<0.0005	0.0052	<0.0020	<0.0005	-	0.0013	<0.0020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-		
	0960 MW137	24 Jun 2025	0960 MW137D 250624	Normal	<																							



Appendix C
Table C4
Groundwater Analytical Results

					PFAS - Perfluoroalkyl Sulfonamide							PFAS - Fluorotelomer Sulfonic Acids					PFAS - Sums						
					N-Ethyl perfluorooctane sulfonamide (EiFOSA) µg/L	N-Ethyl perfluorooctane sulfonamidoacetic acid (EiFOSAA) µg/L	N-Ethyl perfluorooctane sulfonamidoethanol (EiFOSE) µg/L	N-Methyl perfluorooctane sulfonamide (MeFOSA) µg/L	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA) µg/L	N-Methyl perfluorooctane sulfonamidoethanol (MEFOSE) µg/L	Perfluorooctane sulfonamide (FOSA) µg/L	Perfluorooctane sulfonamidoacetic acid (FOSAA) µg/L	4:2 Fluorotelomer sulfonic acid (4:2 FTS) µg/L	6:2 Fluorotelomer Sulfonate (6:2 FTS) µg/L	8:2 Fluorotelomer sulfonic acid (8:2 FTS) µg/L	10:2 Fluorotelomer sulfonic acid (10:2 FTS) µg/L	PFAS (Sum of Total) µg/L	Sum of WA DWER PFAS (n=10)* ug/L	PFAS (Sum of Total)(WA DER List) µg/L	Sum of US EPA PFAS (PFOS + PFOA)* µg/L	Sum of PFHxS and PFOS µg/L	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)* µg/L	
					0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.002	0.001 - 0.01	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.001	0.001	0.002	0.001	0.001	0.001	
ADWG 2011 Health (v4.0 updated June 2025)																							
Area	Location Code	Date	Field ID	Sample Type																			
Central Drainage Channel	0960 MW137	16 Jun 2018	0960 MW137 1.3 180618	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	0.001	<0.001	<0.001	-	-	-	-	0.011	-	
	0960 MW137	16 Jun 2018	0960 MW137 3.0 180618	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	0.002	<0.001	<0.001	-	-	-	-	0.013	-	
	0960 MW137	16 Jun 2018	0960 MW137 5.0 180618	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	0.003	<0.001	<0.001	-	-	-	-	0.011	-	
	0960 MW137	16 Jun 2018	0960 MW137 7.0 180618	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	<0.001	<0.001	<0.001	-	-	-	-	0.008	-	
	0960 MW137	29 Nov 2019	0960 MW137 4.5-5.0 1911	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW137	29 Nov 2019	0960 QC101 191129	Field D	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW137	29 Nov 2019	0960 QC201 191129	Interlab D	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	<0.01	<0.01	<0.1	<0.05	-	<0.01	<0.01	<0.01	
	0960 MW137	24 Jun 2020	0960 MW137 200624	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW137	20 Nov 2020	0960 MW137 201120	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW137	24 Jun 2021	0960 MW137 210624	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW137	24 Nov 2021	0960 MW137 2.5-3 2111	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW137	22 Jun 2022	0960 MW137 0.8-1.3 2206	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW137	22 Nov 2022	0960 MW137 2.5-3.0 2211	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.03	0.03	-	-	0.03	-	
	0960 MW137	28 Jun 2023	0960 MW137 2.5-3.0 2306	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW137	08 Nov 2023	0960 MW137 2.5-3.0 2311	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW137	22 May 2024	0960 MW137 0.8-1.3 2406	Normal	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	0.0024	0.0024	-	-	0.0024	-	
	0960 MW137	22 May 2024	0960 MW137 2.5-3.0 2406	Normal	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	0.0070	0.0070	-	-	0.0050	-	
	0960 MW137	22 May 2024	0960 MW137 4.5-5.0 2406	Normal	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	0.0426	0.0402	-	-	0.0246	-	
	0960 MW137	22 May 2024	0960 MW137 6.5-7.0 2406	Normal	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	0.0294	0.0281	-	-	0.0169	-	
	0960 MW137	22 May 2024	0960 QC125 240522	Field D	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	0.0027	0.0027	-	-	0.0027	-	
	0960 MW137	22 May 2024	0960 QC225 240522	Interlab D	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.001	<0.005	<0.001	<0.001	<0.001	<0.005	<0.005	-	0.002	0.004	0.004	
	0960 MW137	16 Dec 2024	0960 MW137A 241216	Normal	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001	<0.0005	-	<0.001	<0.001	<0.001	<0.001	0.0029	0.0029	-	-	0.0029	-	
	0960 MW137	16 Dec 2024	0960 MW137B 241216	Normal	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001	<0.0005	-	<0.001	<0.001	<0.001	<0.001	0.0042	0.0042	-	-	0.0042	-	
	0960 MW137	16 Dec 2024	0960 MW137C 241216	Normal	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001	<0.0005	-	<0.001	<0.001	<0.001	<0.001	0.0125	0.0125	-	-	0.0103	-	
	0960 MW137	16 Dec 2024	0960 MW137D 241216	Normal	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001	<0.0005	-	<0.001	<0.001	<0.001	<0.001	0.0163	0.0163	-	-	0.0130	-	
	0960 MW137	16 Dec 2024	0960 QC113 241216	Field D	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001	<0.0005	-	<0.001	<0.001	<0.001	<0.001	0.0033	0.0033	-	-	0.0033	-	
	0960 MW137	16 Dec 2024	0960 QC213 241216	Interlab D	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.001	0.007	<0.001	<0.001	-	0.0113	-	0.0033	0.0043	0.0043	
	0960 MW137	24 Jun 2025	0960 MW137A 250624	Normal	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001	<0.0005	-	<0.001	<0.001	<0.001	<0.001	0.0018	-	0.0018	-	0.0018	-	
	0960 MW137	24 Jun 2025	0960 MW137B 250624	Normal	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001	<0.0005	-	<0.001	<0.001	<0.001	<0.001	0.0041	-	0.0041	-	0.0041	-	
	0960 MW137	24 Jun 2025	0960 MW137C 250624	Normal	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001	<0.0005	-	<0.001	0.001	<0.001	<0.001	0.0075	-	0.0075	-	0.0065	-	
	0960 MW137	24 Jun 2025	0960 MW137D 250624	Normal	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001	<0.0005	-	<0.001	0.002	<0.001	<0.001	0.0077	-	0.0077	-	0.0057	-	
	0960 MW143	10 Mar 2018	0960 MW143 3.0-3.5 1806	Normal	<0.05	<0.002	<0.05	<0.02	<0.002	<0.005	<0.01	-	<0.001	0.002	<0.001	<0.001	-	-	-	-	<0.001	-	
	0960 MW143	10 Mar 2018	0960 MW143 5.0-5.5 1806	Normal	<0.05	<0.002	<0.05	<0.02	<0.002	<0.005	<0.1	-	<0.001	0.005	<0.001	<0.001	-	-	-	-	<0.001	-	
	0960 MW143	10 Mar 2018	0960 MW143 7.0-7.5 1806	Normal	<0.05	<0.002	<0.05	<0.02	<0.002	<0.005	<0.1	-	<0.001	0.003	<0.001	<0.001	-	-	-	-	<0.001	-	
	0960 MW143	10 Mar 2018	0960 MW143 9.0-9.5 1806	Normal	<0.05	<0.004	<0.1	<0.02	<0.004	<0.01	<0.02	-	<0.002	0.02	<0.002	<0.002	-	-	-	-	<0.001	-	
	0960 MW143	16 Jun 2018	0960 MW143 3.5 180618	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	<0.001	<0.001	<0.001	-	-	-	-	<0.001	-	
	0960 MW143	16 Jun 2018	0960 MW143 5.5 180618	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	<0.001	<0.001	<							



				PFAS - Perfluoroalkyl Sulfonic Acids										PFAS - Perfluoroalkyl Carboxylic Acids													
				Perfluorobutane sulfonic acid (PFBS)	Perfluorodecanesulfonic acid (PFDS)	Perfluorononane sulfonate (PFNS)	Perfluorooctane sulfonic acid (PFHpS)	Perfluorooctane sulfonic acid (PFOS)	Perfluoropropanesulfonic acid (PFPrS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluorononanesulfonic acid (PFNS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluorobutanoic acid (PFBA)	Perfluorodecanoic acid (PFDA)	Perfluorodecanoic acid (PFDoDA)	Perfluoroheptanoic acid (PFHpA)	Perfluorohexanoic acid (PFHxA)	Perfluorononanoic acid (PFNA)	Perfluorooctanoic acid (PFOA)	Perfluoropentanoic acid (PFPeA)	Perfluoroheptadecanoic acid (PF7tA)	Perfluorotridecanoic acid (PFTrDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluoro-n-hexadecanoic acid (PFHxDA)			
				µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L		
LOR				0.001	0.001	0.001	0.001	0.0001	0.001	0.001	0.001	0.001	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.0005 - 0.05		
ADWG 2011 Health (v4.0 updated June 2025)				1	0.001	0.001	0.001	0.008	0.001	0.001	0.001	0.03	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.2	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.0005 - 0.05		
Area	Location Code	Date	Field ID	Sample Type																							
Southern Drainage Channel	0960_MW138	12 Mar 2018	0960_MW138_3.0-3.5_180618	Normal	<0.01	<0.02	-	<0.01	<0.01	-	<0.01	-	0.03	<0.02	<0.02	<0.05	<0.01	0.01	<0.01	<0.01	<0.02	<0.5	<0.1	<0.02	-		
	0960_MW138	12 Mar 2018	0960_MW138_5.0-5.5_180618	Normal	0.003	<0.002	-	0.003	0.083	-	0.002	-	0.031	<0.02	<0.002	<0.005	0.004	<0.01	0.003	0.004	<0.02	<0.05	<0.1	<0.002	-		
	0960_MW138	12 Mar 2018	0960_MW138_7.0-7.5_180618	Normal	0.002	<0.002	-	<0.001	0.029	-	<0.001	-	0.011	0.009	<0.002	<0.005	0.001	0.003	<0.001	0.002	<0.002	<0.05	<0.1	<0.002	-		
	0960_MW138	12 Mar 2018	0960_MW138_9.0-9.5_180618	Normal	0.002	<0.002	-	0.002	0.04	-	0.003	-	0.02	0.004	<0.002	<0.005	0.004	0.006	0.001	0.004	0.003	<0.05	<0.1	<0.002	-		
	0960_MW138	16 Jun 2018	0960_MW138_5.5_180618	Normal	0.001	<0.002	-	<0.001	0.034	-	0.001	-	0.019	0.009	<0.002	<0.005	0.003	0.004	0.001	0.002	<0.002	<0.05	<0.1	<0.002	-		
	0960_MW138	16 Jun 2018	0960_MW138_7.5_180618	Normal	<0.001	<0.002	-	<0.001	0.005	-	<0.001	-	0.001	<0.002	<0.002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.05	<0.1	<0.002	-		
	0960_MW138	16 Jun 2018	0960_MW138_9.5_180618	Normal	<0.001	<0.002	-	<0.001	0.012	-	<0.001	-	0.004	<0.002	<0.002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.05	<0.1	<0.002	-		
	0960_MW138	16 Jun 2018	0960_QC680_180618	Field_D	<0.001	<0.002	-	<0.001	0.016	-	<0.001	-	0.010	<0.002	<0.002	<0.005	0.001	0.002	<0.001	0.001	<0.002	<0.05	<0.1	<0.002	-		
	0960_MW138	16 Jun 2018	0960_QC760_180618	Interlab_D	<0.01	<0.01	-	<0.01	0.01 ¹¹	-	<0.01	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-		
	0960_MW138	29 Nov 2019	0960_MW138_5.0-5.5_191120	Normal	<0.02	<0.02	-	<0.02	0.07	-	<0.02	-	0.05	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-	
	0960_MW138	24 Jun 2020	0960_MW138_200624	Normal	<0.02	<0.02	-	<0.02	0.87	-	<0.02	-	0.14	<0.1	<0.02	<0.02	<0.02	0.02	<0.02	0.02	<0.02	<0.05	<0.02	<0.02	-		
	0960_MW138	20 Nov 2020	0960_MW138_201120	Normal	<0.02	<0.02	-	<0.02	0.22	-	<0.02	-	0.05	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-	
	0960_MW138	24 Jun 2021	0960_MW138_210624	Normal	<0.02	<0.02	-	<0.02	0.09	-	<0.02	-	0.03	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-	
	0960_MW138	24 Nov 2021	0960_MW138_3-3.5_211124	Normal	<0.02	<0.02	-	<0.02	0.03	-	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-		
	0960_MW138	24 Nov 2021	0960_QC120_211124	Field_D	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-		
	0960_MW138	24 Nov 2021	0960_QC220_211124	Interlab_D	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-		
	0960_MW138	22 Jun 2022	0960_MW138_3-3.5_220618	Normal	<0.02	<0.02	-	<0.02	0.44	-	<0.02	-	0.10	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	0.02	<0.02	<0.05	<0.02	<0.02	-		
	0960_MW138	22 Nov 2022	0960_MW138_3.0-3.5_221124	Normal	<0.02	<0.02	-	<0.02	0.41	-	<0.02	-	0.11	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	0.02	<0.02	<0.05	<0.02	<0.02	-		
	0960_MW138	16 Dec 2024	0960_MW138B_241216	Normal	<0.02	<0.02	-	<0.02	<0.01	<0.02	<0.02	<0.02	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-		
	0960_MW139	07 Mar 2018	0960_MW139_180307	Normal	<0.001	<0.002	-	<0.001	<0.001	-	<0.001	-	<0.001	0.003	<0.002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.05	<0.01	<0.002	-		
	0960_MW139	10 Jun 2018	0960_MW139_180610	Normal	<0.001	<0.002	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.002	<0.002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.05	<0.01	<0.002	-		
	0960_MW139	29 Nov 2019	0960_MW139_191129	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-		
	0960_MW139	24 Jun 2020	0960_MW139_200624	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-		
	0960_MW139	21 Nov 2020	0960_MW139_201121	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-		
	0960_MW139	24 Jun 2021	0960_MW139_210624	Normal	<0.02	<0.02	-	<0.02	0.01	-	<0.02	-	0.03	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-		
	0960_MW139	25 Nov 2021	0960_MW139_211125	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-		
	0960_MW139	22 Jun 2022	0960_MW139_220622	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-		
	0960_MW139	22 Nov 2022	0960_MW139_221122	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-		
	0960_MW139	28 Jun 2023	0960_MW139_230628	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01							



Appendix C
Table C4
Groundwater Analytical Results

				PFAS - Perfluoroalkyl Sulfonamide								PFAS - Fluorotelomer Sulfonic Acids					PFAS - Sums						
				N-Ethyl perfluorooctane sulfonamide (EFOSA) µg/L	N-Ethyl perfluorooctane sulfonamidoacetic acid (EFOCAA) µg/L	N-Ethyl perfluorooctane sulfonamidoethanol (EFOSE) µg/L	N-Methyl perfluorooctane sulfonamide (MeFOSA) µg/L	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOCAA) µg/L	N-Methyl perfluorooctane sulfonamidoethanol (MEFOSE) µg/L	Perfluorooctane sulfonamide (FOSA) µg/L	Perfluorooctane sulfonamidoacetic acid (FOCAA) µg/L	4:2 Fluorotelomer sulfonic acid (4:2 FTS) µg/L	6:2 Fluorotelomer Sulfonate (6:2 FTS) µg/L	8:2 Fluorotelomer sulfonic acid (8:2 FTS) µg/L	10:2 Fluorotelomer sulfonic acid (10:2 FTS) µg/L	PFAS (Sum of Total) µg/L	Sum of WA DWER PFAS (n=10)* ug/L	PFAS (Sum of Total)(WA DER List) µg/L	Sum of US EPA PFAS (PFOS + PFOA)* µg/L	Sum of PFHxS and PFOS µg/L	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)* µg/L		
LOR				0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.002	0.001 - 0.01	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.001	0.001	0.002	0.001	0.001	0.001		
ADWG 2011 Health (v4.0 updated June 2025)				0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.002	0.001 - 0.01	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.001	0.001	0.002	0.001	0.001	0.001		
Area	Location Code	Date	Field ID	Sample Type																			
Southern Drainage Channel	0960 MW138	12 Mar 2018	0960 MW138 3.0-3.5 18Q	Normal	<0.05	<0.02	<0.5	<0.05	<0.02	<0.1	<0.1	-	<0.01	<0.01	<0.01	<0.01	-	-	-	-	<0.01	-	
	0960 MW138	12 Mar 2018	0960 MW138 5.0-5.5 18Q	Normal	<0.05	<0.002	<0.05	<0.02	<0.002	<0.005	<0.01	-	<0.001	0.006	<0.001	<0.001	-	-	-	-	0.1	-	
	0960 MW138	12 Mar 2018	0960 MW138 7.0-7.5 18Q	Normal	<0.05	<0.002	<0.05	<0.02	<0.002	<0.005	<0.01	-	<0.001	0.001	<0.001	<0.001	-	-	-	-	<0.001	-	
	0960 MW138	12 Mar 2018	0960 MW138 9.0-9.5 18Q	Normal	<0.05	<0.002	<0.05	<0.02	<0.002	<0.005	<0.01	-	<0.001	0.002	<0.001	<0.001	-	-	-	-	0.1	-	
	0960 MW138	16 Jun 2018	0960 MW138 5.5 180618	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	0.002	<0.001	<0.001	-	-	-	-	0.053	-	
	0960 MW138	16 Jun 2018	0960 MW138 7.5 180618	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	<0.001	<0.001	<0.001	-	-	-	-	0.006	-	
	0960 MW138	16 Jun 2018	0960 MW138 9.5 180618	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	<0.001	<0.001	<0.001	-	-	-	-	0.016	-	
	0960 MW138	16 Jun 2018	0960 QC660 180616	Field D	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	0.001	<0.001	<0.001	-	-	-	-	0.026	-	
	0960 MW138	16 Jun 2018	0960 QC760 180616	Interlab D	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.1	<0.05	<0.1	<0.1	<0.1	<0.05	-	0.01	0.01	0.01	
	0960 MW138	29 Nov 2019	0960 MW138 5.0-5.5 191	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	0.12	0.12	-	-	0.12	-	
	0960 MW138	24 Jun 2020	0960 MW138 200624	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	1.05	1.05	-	-	1.01	-	
	0960 MW138	20 Nov 2020	0960 MW138 201120	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	0.27	0.27	-	-	0.27	-	
	0960 MW138	24 Jun 2021	0960 MW138 210624	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	0.12	0.12	-	-	0.12	-	
	0960 MW138	24 Nov 2021	0960 MW138 3-3.5 2111	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	0.03	0.03	-	-	0.03	-	
	0960 MW138	24 Nov 2021	0960 QC120 211124	Field D	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW138	24 Nov 2021	0960 QC220 211124	Interlab D	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.01	<0.05	<0.01	<0.01	<0.1	<0.05	-	<0.01	<0.01	<0.01	
	0960 MW138	22 Jun 2022	0960 MW138 3-3.5 2206	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	0.56	0.56	-	<0.01	0.54	-	
	0960 MW138	22 Nov 2022	0960 MW138 3.0-3.5 221	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	0.54	0.54	-	-	0.52	-	
	0960 MW138	16 Dec 2024	0960 MW138B 241216	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW139	07 Mar 2018	0960 MW139 180307	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	<0.001	<0.001	<0.001	-	-	-	-	-	-	
	0960 MW139	10 Jun 2018	0960 MW139 180610	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	<0.001	<0.001	<0.001	-	-	-	-	-	-	
	0960 MW139	29 Nov 2019	0960 MW139 191129	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW139	24 Jun 2020	0960 MW139 200624	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW139	21 Nov 2020	0960 MW139 201121	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW139	24 Jun 2021	0960 MW139 210624	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	0.04	0.04	-	-	0.04	-	
	0960 MW139	25 Nov 2021	0960 MW139 211125	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW139	22 Jun 2022	0960 MW139 220622	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW139	22 Nov 2022	0960 MW139 221122	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW139	28 Jun 2023	0960 MW139 230628	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW139	08 Nov 2023	0960 MW139 231108	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW139	23 May 2024	0960 MW139 240523	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW139	13 Dec 2024	0960 MW139 241213	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW139	24 Jun 2025	0960 MW139 250624	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	<0.01	<0.01	-	
	0960 MW140	16 Jun 2018	0960 MW140 2.0 180618	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	0.001	<0.001	<0.001	-	-	<0.01	-	0.003	-	
	0960 MW140	16 Jun 2018	0960 MW140 4.0 180618	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	0.001	<0.001	<0.001	-	-	-	-	0.003	-	
	0960 MW140	16 Jun 2018	0960 MW140 6.5 180618	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	<0.001	<0.001	<0.001	-	-	-				



				PFAS - Perfluoroalkyl Sulfonic Acids										PFAS - Perfluoroalkyl Carboxylic Acids													
				Perfluorobutane sulfonic acid (PFBS)	Perfluorodecanesulfonic acid (PFDS)	Perfluorononane sulfonate (PFNS)	Perfluorooctadecane sulfonic acid (PFHpS)	Perfluorooctadecane sulfonic acid (PFOS)	Perfluoropropanesulfonic acid (PFPrS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluorononanesulfonic acid (PFNS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluorobutanoic acid (PFBA)	Perfluorodecanoic acid (PFDA)	Perfluorododecanoic acid (PFDDaA)	Perfluorooctadecanoic acid (PFHbA)	Perfluorohexanoic acid (PFHxA)	Perfluorononanoic acid (PFNA)	Perfluorooctanoic acid (PFOnA)	Perfluoropentanoic acid (PFPeA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorotridecanoic acid (PFTTDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluoro-n-hexadecanoic acid (PFHxDA)			
LOR				µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L			
ADWV 2011 Health (v4.0 updated June 2025)				1	0.001	0.001	0.001	0.0001	0.001	0.001	0.001	0.001	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.0005 - 0.05			
Area	Location Code	Date	Field ID	Sample Type																							
Additional off-base	0960_MW146	29 Nov 2019	0960_MW146_5.0-5.5_191	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-		
	0960_MW146	24 Jun 2020	0960_MW146_200624	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-		
	0960_MW146	21 Nov 2020	0960_MW146_5.0_201121	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-		
	0960_MW146	24 Jun 2021	0960_MW146_210624	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-		
	0960_MW146	24 Nov 2021	0960_MW146_3-3.5_2111	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-		
	0960_MW146	22 Jun 2022	0960_MW146_3-3.5_2206	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-		
	0960_MW146	23 Nov 2022	0960_MW146_3.0-3.5_221	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-		
	0960_MW146	28 Jun 2023	0960_MW146_3.0-3.5_231	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-		
	0960_MW146	08 Nov 2023	0960_MW146_7.0-7.5_231	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-		
	0960_MW146	23 May 2024	0960_MW146_3.0-3.5_240	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-		
	0960_MW146	11 Dec 2024	0960_MW146A_241211	Normal	<0.02	<0.02	-	<0.02	<0.01	<0.02	<0.02	<0.02	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-		
	0960_MW146	27 Jun 2025	0960_MW146A_250627	Normal	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.02	<0.02	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	<0.05		
	0960_MW147	08 Mar 2018	0960_MW147_3.0-3.5_180	Normal	<0.001	<0.002	-	<0.001	0.002	-	<0.001	-	<0.001	0.01	<0.002	<0.005	<0.001	<0.001	<0.001	0.002	<0.002	<0.05	<0.01	<0.002	-		
	0960_MW147	08 Mar 2018	0960_MW147_5.0-5.5_180	Normal	<0.001	<0.002	-	<0.001	0.002	-	<0.001	-	<0.001	0.01	<0.002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.05	<0.01	<0.002	-		
	0960_MW147	08 Mar 2018	0960_MW147_7.0-7.5_180	Normal	<0.001	<0.002	-	<0.001	0.002	-	<0.001	-	<0.001	0.008	<0.002	<0.005	<0.001	<0.001	0.002	<0.002	<0.05	<0.01	<0.002	-			
	0960_MW147	08 Mar 2018	0960_MW147_9.0-9.5_180	Normal	<0.001	<0.002	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.05	<0.01	<0.002	-			
	0960_MW147	16 Jun 2018	0960_MW147_3.5_180618	Normal	<0.001	<0.002	-	<0.001	0.005	-	<0.001	-	0.002	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.01	<0.005	-		
	0960_MW147	16 Jun 2018	0960_MW147_5.5_180618	Normal	<0.001	<0.002	-	<0.001	<0.001	-	<0.001	-	0.003	<0.002	<0.005	<0.001	<0.001	<0.001	<0.001	<0.002	<0.05	<0.01	<0.002	-			
	0960_MW147	16 Jun 2018	0960_MW147_7.5_180618	Normal	<0.001	<0.002	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.002	<0.002	<0.005	<0.001	<0.001	<0.001	<0.002	<0.05	<0.01	<0.002	-			
	0960_MW147	16 Jun 2018	0960_MW147_9.5_180618	Normal	<0.001	<0.002	-	<0.001	<0.001	-	<0.001	-	<0.001	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.01	<0.005	-		
	0960_MW147	29 Nov 2019	0960_MW147_3.0-3.5_191	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-		
	0960_MW147	24 Jun 2020	0960_MW147_200624	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-		
	0960_MW147	20 Nov 2020	0960_MW147_5.5_201120	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-		
	0960_MW147	24 Jun 2021	0960_MW147_4.0-4.5_210	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-		
	0960_MW147	25 Nov 2021	0960_MW147_211125	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-		
	0960_MW147	23 Jun 2022	0960_MW147_3-3.5_2306	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-		
	0960_MW147	23 Nov 2022	0960_MW147_3.0-3.5_221	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-		
	0960_MW147	28 Jun 2023	0960_MW147_3.0-3.5_230	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-		
	0960_MW147	08 Nov 2023	0960_MW147_5.0-5.5_231	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-		
	0960_MW147	23 May 2024	0960_MW147_3.0-3.5_240	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-		
	0960_MW147	17 Dec 2024	0960_MW147A_241217	Normal	<0.02	<0.02	-	<0.02	<0.01	<0.02	<0.02	<0.02	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-		
	0960_MW147	27 Jun 2025	0960_MW147A_250627	Normal	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.02	<0.02	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	<0.05		
	0960_MW147	27 Jun 2025	0960_QC108_250627	Field_D	<0.0																						



Appendix C
Table C4
Groundwater Analytical Results

					PFAS - Perfluoroalkyl Sulfonamide							PFAS - Fluorotelomer Sulfonic Acids					PFAS - Sums						
					N-Ethyl perfluorooctane sulfonamide (EiFOSA)	N-Ethyl perfluorooctane sulfonamidacetic acid (EiFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EiFOSE)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidacetic acid (MeFOSAA)	N-Methyl perfluorooctane sulfonamidoethanol (MEFOSE)	Perfluorooctane sulfonamide (FOSA)	Perfluorooctane sulfonamidacetic acid (FOSAA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer Sulfonate (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	PFAS (Sum of Total)	Sum of WA DWER PFAS (n=10)*	PFAS (Sum of Total)(WA DER List)	Sum of US EPA PFAS (PFOS + PFOA)*	Sum of PFHxS and PFOS	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
LOR					0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.002	0.001 - 0.01	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.001	0.001	0.002	0.001	0.001	0.001	
ADWG 2011 Health (v4.0 updated June 2025)																							
Area	Location Code	Date	Field ID	Sample Type																			
	0960 MW146	29 Nov 2019	0960 MW146 5.0-5.5 191	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW146	24 Jun 2020	0960 MW146 200624	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW146	21 Nov 2020	0960 MW146 5.0 201121	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW146	24 Jun 2021	0960 MW146 210624	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW146	24 Nov 2021	0960 MW146 3-3.5 2111	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW146	22 Jun 2022	0960 MW146 3-3.5 2206	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW146	23 Nov 2022	0960 MW146 3.0-3.5 221	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW146	28 Jun 2023	0960 MW146 3.0-3.5 231	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW146	08 Nov 2023	0960 MW146 7.0-7.5 231	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW146	23 May 2024	0960 MW146 3.0-3.5 241	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW146	11 Dec 2024	0960 MW146A 241211	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW146	27 Jun 2025	0960 MW146A 250627	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	-	<0.01	-	<0.01	-	
	0960 MW147	08 Mar 2018	0960 MW147 3.0-3.5 181	Normal	<0.05	<0.002	<0.05	<0.02	<0.002	<0.005	<0.01	-	<0.001	0.004	<0.001	<0.001	-	-	-	-	<0.001	-	
	0960 MW147	08 Mar 2018	0960 MW147 5.0-5.5 181	Normal	<0.05	<0.002	<0.05	<0.02	<0.002	<0.005	<0.01	-	<0.001	0.003	<0.001	<0.001	-	-	-	-	<0.001	-	
	0960 MW147	08 Mar 2018	0960 MW147 7.0-7.5 181	Normal	<0.05	<0.002	<0.05	<0.02	<0.002	<0.005	<0.1	-	<0.001	0.002	<0.001	<0.001	-	-	-	-	<0.001	-	
	0960 MW147	08 Mar 2018	0960 MW147 9.0-9.5 181	Normal	<0.05	<0.002	<0.05	<0.02	<0.002	<0.005	<0.1	-	<0.001	0.001	<0.001	<0.001	-	-	-	-	<0.001	-	
	0960 MW147	16 Jun 2018	0960 MW147 3.5 180618	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	0.002	<0.001	<0.001	-	-	-	-	0.007	-	
	0960 MW147	16 Jun 2018	0960 MW147 5.5 180618	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	0.001	<0.001	<0.001	-	-	-	-	<0.001	-	
	0960 MW147	16 Jun 2018	0960 MW147 7.5 180618	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	<0.001	<0.001	<0.001	-	-	-	-	<0.001	-	
	0960 MW147	16 Jun 2018	0960 MW147 9.5 180618	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	<0.001	<0.001	<0.001	-	-	-	-	<0.001	-	
	0960 MW147	29 Nov 2019	0960 MW147 3.0-3.5 191	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW147	24 Jun 2020	0960 MW147 200624	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW147	20 Nov 2020	0960 MW147 5.5 201120	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW147	24 Jun 2021	0960 MW147 4.0-4.5 211	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW147	25 Nov 2021	0960 MW147 211125	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW147	23 Jun 2022	0960 MW147 3-3.5 2306	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW147	23 Nov 2022	0960 MW147 3.0-3.5 221	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW147	28 Jun 2023	0960 MW147 3.0-3.5 231	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW147	08 Nov 2023	0960 MW147 5.0-5.5 231	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW147	23 May 2024	0960 MW147 3.0-3.5 241	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW147	17 Dec 2024	0960 MW147A 241217	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-	
	0960 MW147	27 Jun 2025	0960 MW147A 250627	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	-	<0.01	-	<0.01	-	
	0960 MW147	27 Jun 2025	0960 QC108 250627	Field D	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	-	<0.01	-	<0.01	-	
	0960 MW147	27 Jun 2025	0960 QC208 250627	Interlab D	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.01	<0.05	<0.01	<0.01	<0.1	-	<0.05	<0.01	<0.01	<0.01	
	0960 MW180	17 Jun 2018	0960 MW180 1.5 180617	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	0.004	<0.001	<0.001	-	-	-	-	0.002	-	
	0960 MW180	17 Jun 2018	0960 MW180 4.0 180617	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	0.004	<0.001	<0.001	-	-	-	-	0.002	-	
	0960 MW180	17 Jun 2018	0960 MW180 6.5 180617	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	0.003	<0.001	<0.001	-	-	-	-	0.003	-	
	0960 MW180	17 Jun 2018	0960 MW180 9.0 180617	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	0.001	<0.001	<0.001	-	-	-	-	0.001	-	
	0960 MW180	29 Nov 2019	0960 MW180 6.0-6.5 191	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.						



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ADWG 2011 Health (v4.0 updated June 2025)



Appendix C
Table C4
Groundwater Analytical Results

				PFAS - Perfluoroalkyl Sulfonamide								PFAS - Fluorotelomer Sulfonic Acids					PFAS - Sums					
				N-Ethyl perfluorooctane sulfonamide (EFOSA) µg/L	N-Ethyl perfluorooctane sulfonamidoacetic acid (EFOCAA) µg/L	N-Ethyl perfluorooctane sulfonamidoethanol (EFOSE) µg/L	N-Methyl perfluorooctane sulfonamide (MeFOSA) µg/L	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOCAA) µg/L	N-Methyl perfluorooctane sulfonamidoethanol (MEFOSE) µg/L	Perfluorooctane sulfonamide (FOSA) µg/L	Perfluorooctane sulfonamidoacetic acid (FOCAA) µg/L	4:2 Fluorotelomer sulfonic acid (4:2 FTS) µg/L	6:2 Fluorotelomer Sulfonate (6:2 FTS) µg/L	8:2 Fluorotelomer sulfonic acid (8:2 FTS) µg/L	10:2 Fluorotelomer sulfonic acid (10:2 FTS) µg/L	PFAS (Sum of Total) µg/L	Sum of WA DWER PFAS (n=10)* ug/L	PFAS (Sum of Total)(WA DER List) µg/L	Sum of US EPA PFAS (PFOS + PFOA)* µg/L	Sum of PFHxS and PFOS µg/L	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)* µg/L	
				0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.002	0.001 - 0.01	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.001	0.001	0.002	0.001	0.001	0.001	
ADWG 2011 Health (v4.0 updated June 2025)																						
Area	Location Code	Date	Field ID	Sample Type																		
WAPET Creek Northern Reach	0960 MW176	17 Jun 2018	0960 MW176 2.0 180617	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	0.004	<0.001	<0.001	-	-	-	-	0.002	-
	0960 MW176	17 Jun 2018	0960 MW176 4.0 180617	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	0.002	<0.001	<0.001	-	-	-	-	0.007	-
	0960 MW176	17 Jun 2018	0960 MW176 6.5 180617	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	<0.001	<0.001	<0.001	-	-	-	-	0.001	-
	0960 MW176	17 Jun 2018	0960 MW176 9.0 180617	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	0.001	<0.001	<0.001	-	-	-	-	<0.001	-
	0960 MW176	17 Jun 2018	0960 QC662 180617	Field D	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	<0.001	<0.001	<0.001	-	-	-	-	<0.001	-
	0960 MW176	17 Jun 2018	0960 QC782 180617	Interlab D	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.01	<0.05	<0.01	<0.01	<0.1	<0.05	-	<0.01	<0.01	<0.01
	0960 MW176	29 Nov 2019	0960 MW176-3.5-4.0 191	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-
	0960 MW176	24 Jun 2020	0960 MW176 200624	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-
	0960 MW176	20 Nov 2020	0960 MW176 201120	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-
	0960 MW176	23 Jun 2021	0960 MW176 3.5-4.0 210	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-
	0960 MW176	24 Nov 2021	0960 MW176 6-6.5 2111	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	0.26	0.26	-	-	0.01	-
	0960 MW176	23 Jun 2022	0960 MW176 1.5-2 2206	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-
	0960 MW176	22 Nov 2022	0960 MW176 1.5-2.0 221	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-
	0960 MW176	28 Jun 2023	0960 MW176 3.5-4.0 230	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-
	0960 MW176	08 Nov 2023	0960 MW176 1.5-2.0 231	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-
	0960 MW176	23 May 2024	0960 MW176 1.5-2.0 240	Normal	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001	<0.0005	-	<0.001	<0.001	<0.001	<0.001	0.0003	0.0003	-	-	0.0003	-
	0960 MW176	23 May 2024	0960 MW176 3.5-4.0 240	Normal	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001	<0.0005	-	<0.001	<0.001	<0.001	<0.001	0.157	0.157	-	-	0.0061	-
	0960 MW176	23 May 2024	0960 MW176 6.0-6.5 240	Normal	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001	<0.0005	-	<0.001	0.002	<0.001	<0.001	0.294	0.294	-	-	0.0065	-
	0960 MW176	23 May 2024	0960 MW176 8.5-9.0 240	Normal	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001	<0.0005	-	<0.001	<0.001	<0.001	<0.001	0.0073	0.0073	-	-	0.0005	-
	0960 MW176	15 Dec 2024	0960 MW176A 241215	Normal	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001	<0.0005	-	<0.001	<0.001	<0.001	<0.001	<0.0002	<0.0002	-	-	<0.0002	-
	0960 MW176	15 Dec 2024	0960 MW176B 241215	Normal	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001	<0.0005	-	<0.001	<0.001	<0.001	<0.001	<0.0002	<0.0002	-	-	<0.0002	-
	0960 MW176	15 Dec 2024	0960 MW176C 241215	Normal	<0.001	<0.0005	<0.001	0.001	<0.0005	<0.001	<0.0005	-	<0.001	0.003	<0.001	<0.001	0.0026	0.0026	-	-	0.0026	-
	0960 MW176	15 Dec 2024	0960 MW176D 241215	Normal	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001	<0.0005	-	<0.001	0.003	<0.001	<0.001	0.0174	0.0164	-	-	0.0057	-
	0960 MW176	29 Jun 2025	0960 MW176A 250629	Normal	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001	<0.0005	-	<0.001	<0.001	<0.001	<0.001	<0.0002	-	<0.0002	-	<0.0002	-
	0960 MW176	29 Jun 2025	0960 MW176B 250629	Normal	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001	<0.0005	-	<0.001	<0.001	<0.001	<0.001	<0.0002	-	<0.0002	-	<0.0002	-
	0960 MW176	29 Jun 2025	0960 MW176C 250629	Normal	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001	<0.0005	-	<0.001	<0.001	<0.001	<0.001	0.0028	-	0.0028	-	0.0028	-
	0960 MW177	17 Jun 2018	0960 MW177 2.0 180617	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	<0.001	<0.001	<0.001	-	-	-	-	0.003	-
	0960 MW177	17 Jun 2018	0960 MW177 4.0 180617	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	<0.001	<0.001	<0.001	-	-	-	-	0.004	-
	0960 MW177	17 Jun 2018	0960 MW177 6.5 180617	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	<0.001	<0.001	<0.001	-	-	-	-	0.003	-
	0960 MW177	17 Jun 2018	0960 MW177 9.0 180617	Normal	<0.01	<0.002	<0.05	<0.005	<0.002	<0.005	<0.01	-	<0.001	0.001	<0.001	<0.001	-	-	-	-	0.002	-
	0960 MW177	29 Nov 2019	0960 MW177 1.5-2.0 191	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-
	0960 MW177	24 Jun 2020	0960 MW177 200624	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-
	0960 MW177	20 Nov 2020	0960 MW177 201120	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-
	0960 MW177	23 Jun 2021	0960 MW177 3.5-4.0 210	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-
	0960 MW177	24 Nov 2021	0960 MW177 3.5-4 2111	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	0.18	0.18	-	-	0.01	-
	0960 MW177	23 Jun 2022	0960 MW177 1.5-2 2206	Normal	<0.05	<0.02																



					PFAS - Perfluoroalkyl Sulfonic Acids								PFAS - Perfluoroalkyl Carboxylic Acids													
					Perfluorobutane sulfonic acid (PFBS)	Perfluorodecanesulfonic acid (PFDS)	Perfluorononane sulfonate (PFNS)	Perfluorooctane sulfonic acid (PFHxS)	Perfluorooctane sulfonic acid (PFOS)	Perfluoropropanesulfonic acid (PFPrS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluorononanesulfonic acid (PFNS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluorobutanoic acid (PFBA)	Perfluorodecanoic acid (PFDA)	Perfluorodecanoic acid (PFDDoDA)	Perfluorooheptanoic acid (PFHpA)	Perfluorohexanoic acid (PFHxA)	Perfluorononanoic acid (PFNA)	Perfluorooctanoic acid (PFOA)	Perfluoropentanoic acid (PFPeA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorotridecanoic acid (PFTriDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluoro-n-hexadecanoic acid (PFHxDA)	
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
LOR					0.001	0.001	0.001	0.001	0.0001	0.001	0.001	0.001	0.001	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.0005 - 0.05	
ADWG 2011 Health (v4.0 updated June 2025)					1				0.008				0.03							0.2						
Area	Location Code	Date	Field ID	Sample Type																						
	0960_MW179	22 Jun 2022	0960_MW179_1-1.5_2206	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-	
	0960_MW179	23 Nov 2022	0960_MW179_1.0-1.5_2211	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-	
	0960_MW179	28 Jun 2023	0960_MW179_1.0-1.5_2306	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-	
	0960_MW179	08 Nov 2023	0960_MW179_3.2-3.7_2311	Normal	<0.02	<0.02	-	<0.02	<0.01	-	<0.02	-	<0.01	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.05	<0.02	<0.02	-	
	0960_MW179	22 May 2024	0960_MW179_1.0-1.5_2405	Normal	<0.0005	<0.0005	-	<0.0005	0.0008	-	<0.0005	-	0.0006	<0.002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	
	0960_MW179	22 May 2024	0960_MW179_3.2-3.7_2405	Normal	<0.0005	<0.0005	-	<0.0005	0.0008	-	<0.0005	-	0.0006	<0.002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	
	0960_MW179	22 May 2024	0960_MW179_5.9-8.4_2405	Normal	0.0006	<0.0005	-	<0.0005	0.0014	-	<0.0005	-	0.0014	0.004	<0.0005	<0.0005	0.0008	0.0008	<0.0005	0.0008	0.0008	<0.0005	<0.0005	<0.0005	-	
	0960_MW179	22 May 2024	0960_MW179_8.5-9.0_2405	Normal	<0.0005	<0.0005	-	<0.0005	0.0028	-	<0.0005	-	0.0024	0.006	<0.0005	<0.0005	0.0012	0.0009	<0.0005	0.0012	0.0009	<0.0005	<0.0005	<0.0005	-	
	0960_MW179	16 Dec 2024	0960_MW179A_241216	Normal	<0.0005	<0.0005	-	<0.0005	0.0002	<0.0020	<0.0005	-	<0.0005	<0.0020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	
	0960_MW179	16 Dec 2024	0960_MW179B_241216	Normal	<0.0005	<0.0005	-	<0.0005	0.0003	<0.0020	<0.0005	-	<0.0005	<0.0020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	
	0960_MW179	16 Dec 2024	0960_MW179C_241216	Normal	<0.0005	<0.0005	-	<0.0005	0.0005	<0.0020	<0.0005	-	<0.0005	<0.0020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	
	0960_MW179	16 Dec 2024	0960_MW179D_241216	Normal	<0.0005	<0.0005	-	<0.0005	0.0003	<0.0020	<0.0005	-	<0.0005	0.0020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	
	0960_MW179	28 Jun 2025	0960_MW179A_250628	Normal	<0.0005	<0.0005	<0.0005	<0.0005	0.0002	<0.0020	<0.0005	-	<0.0005	0.0031	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
	0960_MW179	28 Jun 2025	0960_MW179B_250628	Normal	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	<0.0020	<0.0005	-	<0.0005	<0.0020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
	0960_MW179	28 Jun 2025	0960_MW179C_250628	Normal	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	<0.0020	<0.0005	-	<0.0005	<0.0020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
	0960_MW179	28 Jun 2025	0960_MW179D_250628	Normal	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0020	<0.0005	-	<0.0005	<0.0020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	

Comments

- #1 Quantification of linear and branched isomers has been conducted as a single total response using the relative response factor for the corresponding linear/branched standard.
#2 Reported Analyte LOR is higher than Requested Analyte LOR
#3 Quantification of linear and branched isomers has been conducted as a single total response using the relative response factor for the corresponding linear standard.
#4 The LORs have been raised due to matrix interference

Environmental Standards

NHMRC, June 2025, ADWG 2011 Health (v4.0 updated June 2025)



				PFAS - Perfluoroalkyl Sulfonamide								PFAS - Fluorotelomer Sulfonic Acids				PFAS - Sums						
				N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidethanol (EtFOSE)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidacetic acid (MeFOSAA)	N-Methyl perfluorooctane sulfonamidethanol (MEFOSE)	Perfluorooctane sulfonamide (FOSA)	Perfluorooctane sulfonamidacetic acid (FOSAA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer Sulfonate (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	PFAS (Sum of Total)	Sum of WA DWER PFAS (n=10)*	PFAS (Sum of Total)(WA DER List)	Sum of US EPA PFAS (PFOS + PFOA)*	Sum of PFHxS and PFOS	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	
				µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
LOR				0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.005 - 0.05	0.002	0.001 - 0.01	0.005 - 0.05	0.001 - 0.01	0.001 - 0.01	0.001 - 0.01	0.001	0.001	0.002	0.001	0.001	0.001
ADWG 2011 Health (v4.0 updated June 2025)																						
Area	Location Code	Date	Field ID	Sample Type																		
	0960_MW179	22 Jun 2022	0960_MW179_1-1.5_2206	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-
	0960_MW179	23 Nov 2022	0960_MW179_1.0-1.5_2211	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-
	0960_MW179	28 Jun 2023	0960_MW179_1.0-1.5_2306	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-
	0960_MW179	08 Nov 2023	0960_MW179_3.2-3.7_2311	Normal	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.02	-	<0.05	<0.05	<0.05	<0.05	<0.01	<0.01	-	-	<0.01	-
	0960_MW179	22 May 2024	0960_MW179_1.0-1.5_2405	Normal	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001	<0.0005	-	<0.001	<0.001	<0.001	<0.001	0.0014	0.0014	-	-	0.0014	-
	0960_MW179	22 May 2024	0960_MW179_3.2-3.7_2405	Normal	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001	<0.0005	-	<0.001	<0.001	<0.001	<0.001	0.0014	0.0014	-	-	0.0014	-
	0960_MW179	22 May 2024	0960_MW179_5.9-6.4_2405	Normal	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001	<0.0005	-	<0.001	<0.001	<0.001	<0.001	0.0106	0.0106	-	-	0.0028	-
	0960_MW179	22 May 2024	0960_MW179_8.5-9.0_2405	Normal	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001	<0.0005	-	<0.001	<0.001	<0.001	<0.001	0.0154	0.0154	-	-	0.0052	-
	0960_MW179	16 Dec 2024	0960_MW179A_241216	Normal	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001	<0.0005	-	<0.001	<0.001	<0.001	<0.001	0.0002	0.0002	-	-	0.0002	-
	0960_MW179	16 Dec 2024	0960_MW179B_241216	Normal	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001	<0.0005	-	<0.001	<0.001	<0.001	<0.001	0.0003	0.0003	-	-	0.0003	-
	0960_MW179	16 Dec 2024	0960_MW179C_241216	Normal	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001	<0.0005	-	<0.001	<0.001	<0.001	<0.001	0.0005	0.0005	-	-	0.0005	-
	0960_MW179	16 Dec 2024	0960_MW179D_241216	Normal	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001	<0.0005	-	<0.001	<0.001	<0.001	<0.001	0.0023	0.0023	-	-	0.0003	-
	0960_MW179	28 Jun 2025	0960_MW179A_250628	Normal	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001	<0.0005	-	<0.001	<0.001	<0.001	<0.001	0.0033	-	0.0033	-	0.0002	-
	0960_MW179	28 Jun 2025	0960_MW179B_250628	Normal	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001	<0.0005	-	<0.001	<0.001	<0.001	<0.001	0.0003	-	0.0003	-	0.0003	-
	0960_MW179	28 Jun 2025	0960_MW179C_250628	Normal	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001	<0.0005	-	<0.001	<0.001	<0.001	<0.001	0.0003	-	0.0003	-	0.0003	-
	0960_MW179	28 Jun 2025	0960_MW179D_250628	Normal	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001	<0.0005	-	<0.001	<0.001	<0.001	<0.001	<0.0002	-	<0.0002	-	<0.0002	-

Comments
#1 Quantification of linear and branched isomers has been conducted as a single total response using the relative response factor for the
#2 Reported Analyte LOR is higher than Requested Analyte LOR
#3 Quantification of linear and branched isomers has been conducted as a single total response using the relative response factor for the
#4 The LORs have been raised due to matrix interference

Environmental Standards
NHMRC, June 2025, ADWG 2011 Health (v4.0 updated June 2025)

[illegible]

Comments

#1 ANZG Freshwater value for PFOS (revised March 2026) applied in the absence of sufficient data to derive marine values, as per the PFAS NEMP

#2 Refer to Table 4 in PFAS NEMP 3.0 (2025) for comments and notes

#3 Reported Analyte LOR is higher than Requested Analyte LOR

#4 Quantification of linear and branched isomers has been conducted as a single total response using the relative response factor for the corresponding linear/branched standard

Environmental Standards
ANZG, September 2025, ANZG (2018) – Freshwater – 99% species protection (updated 18/03/2026)
HEPA, March 2025, PFAS NEMP 3.0 2025 Recreational water quality

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Comments

#1 ANZG Freshwater value for PFOS (revised March 2026) applied in the absence of sufficient data to derive marine values, as per the PFAS NEMP

#2 Refer to Table 4 in PFAS NEMP 3.0 (2025) for comments and notes

#3 Quantification of linear and branched isomers has been conducted as a single total response using the relative response factor for the corresponding linear/branched standard

#4 Reported Analyte LOR is higher than Requested Analyte LOR

#5 The LORs have been raised due to matrix interference

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				PFAS - Perfluoroalkyl Sulfonamide														PFAS - Fluorotelomer Sulfonic Acids								PFAS - Sums														
				N-Ethyl perfluorooctane sulfonamidoacetic acid (EFOSAA)		N-Ethyl perfluorooctane sulfonamidoethanol (EFOSAE)		N-Heptyl perfluorooctane sulfonamide (HFOSAA)		N-Heptyl perfluorooctane sulfonamidoacetic acid (HFOSAA)		N-Heptyl perfluorooctane sulfonamidoethanol (HFOSAE)		Perfluorooctane sulfonamide (FOSAA)		Perfluorooctane sulfonamidoacetic acid (FOSAA)		4,2-Fluorotelomer sulfonic acid (4,2 FTS)		6,2-Fluorotelomer Sulfonic acid (6,2 FTS)		8,2-Fluorotelomer sulfonic acid (8,2 FTS)		10,2-Fluorotelomer sulfonic acid (10,2 FTS)		12,2-Fluorotelomer sulfonic acid (12,2 FTS)		PFAS (Sum of Total)		Sum of WA DWER PFAS (n=10)*		PFAS (Sum of total)(WA DER Lat)		Sum of US EPA PFAS (PFOS + PFOA)*		Sum of PFHxS and PFOS		Sum of all health PFAS (PFHxS + PFOS + PFOA)*		
				mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	UG/KG	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
LOR				0.0002	0.02	0.0005	0.5	0.0004	0.05	0.0002	0.02	0.0005	0.05	0.0002	0.1	0.0004		0.0001	0.01	0.0001	0.01	0.0001	0.01	0.0001	0.01	0.0002	0.2	0.0002	0.005	0.0002	0.005	0.0002	0.005	0.0002	0.005	0.0002	0.005	0.0002	0.005	
Area	Location Code	Date	Field ID	Sample Type	<0.0002	-	<0.005	-	<0.001	-	<0.0002	-	<0.001	-	<0.001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	-	-	<0.05	<10	-	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005
	0960 SD009	01 Jun 2018	0960 QC632.180601	Field D	<0.0002	-	<0.005	-	<0.001	-	<0.0002	-	<0.001	-	<0.001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	-	-	<0.05	<10	-	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005
	0960 SD009	01 Jun 2018	0960 QC732.180601	Interlab D	<0.01	-	<0.005	-	<0.005	-	<0.01	-	<0.005	-	<0.005	-	<0.005	-	<0.01	-	<0.005	-	<0.005	-	<0.05	<10	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
	0960 SD009	01 Jun 2020	0960 SS301.0.0.180601	Normal	<0.0002	-	<0.005	-	<0.001	-	<0.0002	-	<0.001	-	<0.001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	-	-	<0.05	<10	-	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005
	0960 SD009	01 Jun 2018	0960 SS301.0.4.180601	Normal	<0.0002	-	<0.005	-	<0.001	-	<0.0002	-	<0.001	-	<0.001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	-	-	<0.05	<10	-	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005	-	<0.005	<0.005	<0.005
	0960 SD009	29 Nov 2019	0960 SS301.191129	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0002	<0.2	-	-	-	<0.002	<0.2	-	<0.002	<0.2	-	<0.002	<0.2	-	<0.002	<0.2
	0960 SD009	27 May 2020	0960 SS301.200527	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0002	<0.2	-	-	-	<0.002	<0.2	-	<0.002	<0.2	-	<0.002	<0.2	-	<0.002	<0.2
	0960 SD009	24 Jun 2020	0960 SS301.200624	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0002	<0.2	-	-	-	<0.002	<0.2	-	<0.002	<0.2	-	<0.002	<0.2	-	<0.002	<0.2
	0960 SD009	20 Nov 2020	0960 SS301.201120	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0002	<0.2	-	-	-	<0.002	<0.2	-	<0.002	<0.2	-	<0.002	<0.2	-	<0.002	<0.2
	0960 SD009	04 Mar 2021	0960 SS301.210304	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0002	<0.2	-	-	-	<0.002	<0.2	-	<0.002	<0.2	-	<0.002	<0.2	-	<0.002	<0.2
	0960 SD009	24 Jun 2021	0960 SS301.210624	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0002	<0.2	-	-	-	<0.002	<0.2	-	<0.002	<0.2	-	<0.002	<0.2	-	<0.002	<0.2
	0960 SD009	24 Jun 2021	0960 SS301.210624	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0002	<0.2	-	-	-	<0.002	<0.2	-	<0.002	<0.2	-	<0.002	<0.2	-	<0.002	<0.2
	0960 SD009	25 Nov 2021	0960 SS301.211125	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0002	<0.2	-	-	-	<0.002	<0.2	-	<0.002	<0.2	-	<0.002	<0.2	-	<0.002	<0.2
	0960 SD009	17 May 2022	0960 SS301.220517	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0002	<0.2	-	-	-	<0.002	<0.2	-	<0.002	<0.2	-	<0.002	<0.2	-	<0.002	<0.2
	0960 SD009	23 Jun 2022	0960 SS301.220623	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0002	<0.2	-	-	-	<0.002	<0.2	-	<0.002	<0.2	-	<0.002	<0.2	-	<0.002	<0.2
	0960 SD009	28 Jun 2023	0960 OC126.230628	Field D	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0002	<0.2	-	-	0.0034	3.4	-	<0.0034	<0.2	-	<0.0034	<0.2	-	<0.0034	<0.2	
	0960 SD009	28 Jun 2023	0960 OC226.230628	Interlab D	<0.01	-	<0.005	-	<0.005	-	<0.01	-	<0.005	-	<0.005	-	<0.005	-	<0.01	-	<0.005	-	<0.005	-	<0.05	<10	-	-	<0.05	<10	-	<0.05	<10	-	<0.05	<10	-	<0.05	<10	
	0960 SD009	28 Jun 2023	0960 SS301.230628	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0002	<0.2	-	-	<0.002	<0.2	-	<0.002	<0.2	-	<0.002	<0.2	-	<0.002	<0.2	
	0960 SD009	08 Nov 2023	0960 SS301.231108	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0002	<0.2	-	-	-	<0.002	<0.2	-	<0.002	<0.2	-	<0.002	<0.2	-	<0.002	<0.2
	0960 SD009	22 May 2024	0960 SS301.240522	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0002	<0.2	-	-	-	<0.002	<0.2	-	<0.002	<0.2	-	<0.002	<0.2	-	<0.002	<0.2
	0960 SD009	16 Jan 2025	0960 SD009.250116	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0002	<0.2	-	-	-	<0.002	<0.2	-	<0.002	<0.2	-	<0.002	<0.2	-	<0.002	<0.2
	0960 SD009	28 Jun 2025	0960 SD009.250628	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0002	<0.2														

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Appendix C
Table C
Sediment Analytical Results

					PFAS - Perfluoroalkyl Sulfonamide										PFAS - Fluorotelomer Sulfonic Acids										PFAS - Sums						
					Methyl perfluorooctane sulfonamide acid (PFOSAA)		Methyl perfluorooctane sulfonamide (PFOSAA)		Methyl perfluorooctane sulfonamide (PFOSAA)		Methyl perfluorooctane sulfonamide (PFOSAA)		Methyl perfluorooctane sulfonamide (PFOSAA)		Methyl perfluorooctane sulfonamide (PFOSAA)		Methyl perfluorooctane sulfonamide (PFOSAA)		Methyl perfluorooctane sulfonamide (PFOSAA)		Methyl perfluorooctane sulfonamide (PFOSAA)		Methyl perfluorooctane sulfonamide (PFOSAA)		Methyl perfluorooctane sulfonamide (PFOSAA)		Methyl perfluorooctane sulfonamide (PFOSAA)		Methyl perfluorooctane sulfonamide (PFOSAA)		
					mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	
LOR					0.0002	0.02	0.0005	0.5	0.0004	0.05	0.0002	0.02	0.0005	0.05	0.0002	0.1	0.0004	0.0001	0.01	0.0001	0.01	0.0001	0.01	0.0002	0.2	0.0002	0.0002	0.0002	0.0002	0.0002	
Area	Location Code	Date	Field ID	Sample Type																											
Almide	0960 SD168	25 Jun 2025	0960 QC104 250625	Field D	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0029	-	0.0029	-	0.0029	-
	0960 SD168	25 Jun 2025	0960 QC204 250625	Interlab D	<0.01	-	<0.005	-	<0.005	-	<0.01	-	<0.005	-	<0.005	-	-	<0.005	-	<0.005	-	<0.005	-	<0.005	-	<0.05	-	<0.05	-	<0.05	-
	0960 SD168	25 Jun 2025	0960 SD168 250625	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0028	-	0.0028	-	0.0028	-
	0960 SD170	13 Feb 2018	0960 SS170 0.0 180213	Normal	<0.0002	-	<0.005	-	<0.001	-	<0.0002	-	<0.001	-	<0.001	-	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	-	-	-	-	-	-
	0960 SD170	13 Feb 2018	0960 SS170 0.3 180213	Normal	<0.0002	-	<0.005	-	<0.001	-	<0.0002	-	<0.001	-	<0.001	-	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	-	-	-	-	-	-
	0960 SD170	29 Nov 2019	0960 SS170 191129	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0028	2.8	-	-	0.0028	-
	0960 SD170	27 May 2020	0960 SS170 200527	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0024	2.2	-	-	0.0022	-
	0960 SD170	24 Jun 2020	0960 SS170 200624	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0058	5.8	-	-	0.0058	-
	0960 SD170	19 Nov 2020	0960 SS170 201119	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0056	5.6	-	-	0.0056	-
	0960 SD170	04 Mar 2021	0960 SS170 210304	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0036	3.6	-	-	0.0036	-
	0960 SD170	23 Jun 2021	0960 SS170 210623	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0010	1.0	-	-	0.0010	-
	0960 SD170	25 Nov 2021	0960 SS170 211125	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0058	5.5	-	-	0.0055	-
	0960 SD170	17 May 2022	0960 SS170 220517	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0033	3.3	-	-	0.0033	-
	0960 SD170	22 Jun 2022	0960 SS170 220622	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0062	5.5	-	-	0.0055	-
	0960 SD170	22 Nov 2022	0960 QC219 221122	Interlab D	<0.01	-	<0.005	-	<0.005	-	<0.01	-	<0.005	-	<0.005	-	-	<0.005	-	<0.005	-	<0.005	-	<0.005	-	<0.05	<10	-	0.0051	0.0051	0.0051
	0960 SD170	22 Nov 2022	0960 SS170 221122	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0053	5.0	-	-	0.0050	-
	0960 SD170	28 Jun 2023	0960 QC118 230628	Field D	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0039	3.9	-	-	0.0039	-
	0960 SD170	28 Jun 2023	0960 QC218 230628	Interlab D	<0.01	-	<0.005	-	<0.005	-	<0.01	-	<0.005	-	<0.005	-	-	<0.005	-	<0.005	-	<0.005	-	<0.005	-	<0.05	<10	-	<0.05	<0.05	<0.05
	0960 SD170	28 Jun 2023	0960 SS170 230628	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0040	4.0	-	-	0.0040	-
	0960 SD170	08 Nov 2023	0960 SS170 231108	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0043	4.3	-	-	0.0043	-
	0960 SD170	23 May 2024	0960 SS170 240523	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0043	3.1	-	-	0.0043	-
	0960 SD170	11 Dec 2024	0960 SD170 241211	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0053	5.0	-	-	0.0050	-
	0960 SD170	25 Jun 2025	0960 SD170 250625	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0012	-	0.0012	-	0.0012	-
	0960 SD174	22 Feb 2018	0960 SS174 0.4 180226	Normal	<0.0002	-	<0.005	-	<0.001	-	<0.0002	-	<0.001	-	<0.001	-	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	-	-	-	-	-	-
	0960 SD174	23 Feb 2018	0960 SS174 0.0 180226	Normal	<0.0002	-	<0.005	-	<0.001	-	<0.0002	-	<0.001	-	<0.001	-	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	-	-	-	-	-	-
	0960 SD174	29 Nov 2019	0960 SS174 191129	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0799	76.4	-	-	0.0764	-
	0960 SD174	27 May 2020	0960 SS174 200527	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0036	27.7	-	-	0.0277	-
	0960 SD174	24 Jun 2020	0960 SS174 200624	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0173	16.2	-	-	0.0162	-
	0960 SD174	19 Nov 2020	0960 SS174 201119	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.176	155	-	-	0.155	-
	0960 SD174	04 Mar 2021	0960 SS174 210304	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0600	51.4	-	-	0.0514	-
	0960 SD174	23 Jun 2021	0960 SS174 210623	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005							

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Area	Location Code	Date	Field ID	Sample Type	PFAS - Perfluoroalkyl Sulfonamide										PFAS - Fluorotelomer Sulfonic Acids										PFAS - Sums													
					Methyl perfluorooctane sulfonamide acid (EFOSAA)		Methyl perfluorooctane sulfonamide (EFOSF)		Methyl perfluorooctane sulfonamide (MeFOSA)		Methyl perfluorooctane sulfonamide acid (MeFOSAA)		Methyl perfluorooctane sulfonamide (MEFOSF)		Perfluorooctane sulfonamide (FOSA)		Perfluorooctane sulfonamide acid (FOSAA)		4:2 Fluorotelomer sulfonic acid (4:2 FTS)		8:2 Fluorotelomer sulfonic acid (8:2 FTS)		10:2 Fluorotelomer sulfonic acid (10:2 FTS)		12:2 Fluorotelomer sulfonic acid (12:2 FTS)		PFAS (Sum of Total)		Sum of WA DWER PFAS (n=10)*		PFAS (Sum of total)(WA DER Lat)		Sum of US EPA PFAS (PFOS + PFDA)*		Sum of PFAS and PFOS		Sum of PFAS + PFOS + PFDA	
					mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L
LOR					0.0002	0.02	0.0005	0.05	0.0004	0.05	0.0002	0.02	0.0005	0.05	0.0002	0.1	0.0004	0.0001	0.01	0.0001	0.01	0.0001	0.01	0.0001	0.01	0.0001	0.01	0.0002	0.2	0.0002	0.005	0.0002	0.005	0.0002	0.005			
Area	0960 SD278	22 Jun 2022	0960 SS278 220622	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0003	0.3	-	-	-	-	0.0003	-	-	-	-	-
	0960 SD278	22 Nov 2022	0960 SS278 221122	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0018	1.8	-	-	-	-	0.0018	-	-	-	-	-
	0960 SD278	28 Jun 2023	0960 SS278 230628	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0002	<0.2	-	-	-	-	<0.0002	-	-	-	-	-
	0960 SD278	08 Nov 2023	0960 SS278 231108	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0028	2.8	-	-	-	-	0.0028	-	-	-	-	-
	0960 SD278	22 May 2024	0960 SS278 240522	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0251	22.7	-	-	-	-	0.0227	-	-	-	-	-
	0960 SD278	10 Dec 2024	0960 SD278 241210	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0246	23.1	-	-	-	-	0.0231	-	-	-	-	-
	0960 SD278	25 Jun 2025	0960 SD278 250625	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0052	-	0.0050	-	-	-	0.0050	-	-	-	-	-
	0960 SD279	07 Jun 2018	0960 SS279 0.0. 180607	Normal	<0.0002	-	<0.005	-	<0.001	-	<0.0002	-	<0.001	-	<0.001	-	<0.001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	-	-	-	-	-	-	-	-	-	-	-	-
	0960 SD279	07 Jun 2018	0960 SS279 0.4. 180607	Normal	<0.0002	-	<0.005	-	<0.001	-	<0.0002	-	<0.001	-	<0.001	-	<0.001	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	-	-	-	-	-	-	-	-	-	-	-	-
	0960 SD279	29 Nov 2019	0960 SS279 191129	Normal	<0.0002	-	<0.005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0090	8.8	-	-	-	-	0.0086	-	-	-	-	-
Area	0960 SD279	27 May 2020	0960 SS279 200527	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0013	1.3	-	-	-	-	0.0013	-	-	-	-	-
	0960 SD279	24 Jun 2020	0960 SS279 200624	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0072	7.2	-	-	-	-	0.0072	-	-	-	-	-
	0960 SD279	04 Mar 2021	0960 SS279 210304	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0028	2.8	-	-	-	-	0.0028	-	-	-	-	-
	0960 SD279	23 Jun 2021	0960 SS279 210623	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0320	32.0	-	-	-	-	0.0320	-	-	-	-	-
	0960 SD279	25 Nov 2021	0960 SS279 211125	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0038	3.8	-	-	-	-	0.0038	-	-	-	-	-
	0960 SD279	17 May 2022	0960 SS279 220517	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0068	6.8	-	-	-	-	0.0068	-	-	-	-	-
	0960 SD279	22 Jun 2022	0960 SS279 220622	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0063	6.3	-	-	-	-	0.0063	-	-	-	-	-
	0960 SD279	22 Nov 2022	0960 SS279 221122	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0022	2.2	-	-	-	-	0.0022	-	-	-	-	-
	0960 SD279	28 Jun 2023	0960 SS279 230628	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0102	10.2	-	-	-	-	0.0102	-	-	-	-	-
	0960 SD279	08 Nov 2023	0960 SS279 231108	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0044	4.4	-	-	-	-	0.0044	-	-	-	-	-
Area	0960 SD279	23 May 2024	0960 SS279 240523	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0015	1.5	-	-	-	-	0.0015	-	-	-	-	-
	0960 SD279	11 Dec 2024	0960 SD279 241211	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0068	6.8	-	-	-	-	0.0068	-	-	-	-	-
	0960 SD279	25 Jun 2025	0960 SD279 250625	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0103	-	0.0103	-	-	-	0.0103	-	-	-	-	-
	0960 SD113	13 Feb 2018	0960 SS113 0.0. 180213	Normal	<0.0002	-	<0.005	-	<0.001	-	<0.0002	-	<0.001	-	<0.001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	-	-	-	-	-	-	-	-	-	-	-	-
	0960 SD113	13 Feb 2018	0960 SS113 0.3. 180213	Normal	<0.0002	-	<0.005	-	<0.001	-	<0.0002	-	<0.001	-	<0.001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	-	-	-	-	-	-	-	-	-	-	-	-
	0960 SD113	29 Nov 2019	0960 SS113 191129	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0002	0.2	-	-	-	-	0.0002	-	-	-	-	-
	0960 SD113	27 May 2020	0960 SS113 200527	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.																											

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Appendix C
Table C1
Sediment Analytical Results

				PFAS - Perfluoroalkyl Sulfonamide												PFAS - Fluorotelomer Sulfonic Acids												PFAS - Sums												
				N-Ethyl perfluorooctane sulfonamide acid (EFOSAA)		N-Ethyl perfluorooctane sulfonamide (EFOSAE)		N-Methyl perfluorooctane sulfonamide (MeFOA)		N-Methyl perfluorooctane sulfonamide acid (MeFOAA)		N-Methyl perfluorooctane sulfonamide (MeFOSE)		Perfluorooctane sulfonamide (FOA)		Perfluorooctane sulfonic acid (FOSA)		Perfluorooctane sulfonamide sulfonic acid (FOSAA)		4,2-Fluorotelomer sulfonic acid (4,2 FTS)		6,2-Fluorotelomer sulfonic acid (6,2 FTS)		8,2-Fluorotelomer sulfonic acid (8,2 FTS)		10,2-Fluorotelomer sulfonic acid (10,2 FTS)		PFAS (Sum of Total)		Sum of WA DWER PFAS (n=10)*		PFAS (Sum of Total) (WATER List)		Sum of US EPA PFAS (PFOS + PFOA)*		Sum of PFASs and PUS		Sum of PFAS + PFOA*		
				mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	UG/KG	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
				0.0002	0.02	0.0005	0.5	0.0004	0.05	0.0002	0.02	0.0005	0.05	0.0002	0.1	0.0004	0.0001	0.01	0.0001	0.01	0.0001	0.01	0.0001	0.01	0.0001	0.01	0.0002	0.2	0.0002	0.3	0.0002	0.005	0.0002	0.005	0.0002	0.005	0.0002	0.005	0.0002	0.005
Area	Location Code	Date	Field ID	Sample Type	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0843	83.8	-	-	0.0836	-	-	-	-	-	-	-	-	-
	0960 SD231	24 Jun 2020	0960 SS231 200624	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0557	54.8	-	-	0.0544	-	-	-	-	-	-	-	-	-
	0960 SD231	19 Nov 2020	0960 SS231 201119	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0107	9.5	-	-	0.0095	-	-	-	-	-	-	-	-	-
	0960 SD231	04 Mar 2021	0960 SS231 210304	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0279	27.6	-	-	0.0276	-	-	-	-	-	-	-	-	-
	0960 SD231	23 Jun 2021	0960 SS231 210623	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0343	34.1	-	-	0.0341	-	-	-	-	-	-	-	-	-
	0960 SD231	25 Nov 2021	0960 SS231 211125	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0135	13.5	-	-	0.0135	-	-	-	-	-	-	-	-	-
	0960 SD231	17 May 2022	0960 SS231 220517	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0343	34.1	-	-	0.0341	-	-	-	-	-	-	-	-	-
	0960 SD231	22 Jun 2022	0960 SS231 220622	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0135	13.5	-	-	0.0135	-	-	-	-	-	-	-	-	-
	0960 SD231	22 Jun 2022	0960 SS231 220622	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0343	34.1	-	-	0.0341	-	-	-	-	-	-	-	-	-
	0960 SD231	22 Jun 2022	0960 SS231 220622	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0135	13.5	-	-	0.0135	-	-	-	-	-	-	-	-	-
	0960 SD231	22 Jun 2022	0960 SS231 220622	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0343	34.1	-	-	0.0341	-	-	-	-	-	-	-	-	-
	0960 SD231	22 Jun 2022	0960 SS231 220622	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0135	13.5	-	-	0.0135	-	-	-	-	-	-	-	-	-
	0960 SD231	22 Jun 2022	0960 SS231 220622	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0343	34.1	-	-	0.0341	-	-	-	-	-	-	-	-	-
	0960 SD231	22 Jun 2022	0960 SS231 220622	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0135	13.5	-	-	0.0135	-	-	-	-	-	-	-	-	-
	0960 SD231	22 Jun 2022	0960 SS231 220622	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0343	34.1	-	-	0.0341	-	-	-	-	-	-	-	-	-
	0960 SD231	22 Jun 2022	0960 SS231 220622	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0135	13.5	-	-	0.0135	-	-	-	-	-	-	-	-	-
	0960 SD231	22 Jun 2022	0960 SS231 220622	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0343	34.1	-	-	0.0341	-	-	-	-	-	-	-	-	-
	0960 SD231	22 Jun 2022	0960 SS231 220622	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0135	13.5	-	-	0.0135	-	-	-	-	-	-	-	-	-
	0960 SD231	22 Jun 2022	0960 SS231 220622	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0343	34.1	-	-	0.0341	-	-	-	-	-	-	-	-	-
	0960 SD231	22 Jun 2022	0960 SS231 220622	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0135	13.5	-	-	0.0135	-	-	-	-	-	-	-	-	-
	0960 SD231	22 Jun 2022	0960 SS231 220622	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0343	34.1	-	-	0.0341	-	-	-	-	-	-	-	-	-
	0960 SD231	22 Jun 2022	0960 SS231 220622	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0135	13.5	-	-	0.0135	-	-	-	-	-	-	-	-	-
	0960 SD231	22 Jun 2022	0960 SS231 220622	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0343	34.1	-	-	0.0341	-	-	-	-	-	-	-	-	-
	0960 SD231	22 Jun 2022	0960 SS231 220622	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0135	13.5	-	-	0.0135	-	-	-	-	-	-	-	-	-
	0960 SD231	22 Jun 2022	09																																					

[illegible]



Appendix C
Table C
Sediment Analytical Results

				PFAS - Perfluoroalkyl Sulfonamide										PFAS - Fluorotelomer Sulfonic Acids										PFAS - Sums						
				N-Ethyl perfluorooctane sulfonamide acid (EFOSAA)	N-Ethyl perfluorooctane sulfonamide acid (EFOSAA)	N-Ethyl perfluorooctane sulfonamide acid (EFOSAA)	N-Ethyl perfluorooctane sulfonamide acid (EFOSAA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSE)	N-Methyl perfluorooctane sulfonamide (MeFOSE)	Perfluorooctane sulfonamide (FOSA)	Perfluorooctane sulfonamide (FOSA)	Perfluorooctane sulfonamide acid (FOSA)	4,2-Fluorotelomer sulfonic acid (4,2 FTS)	4,2-Fluorotelomer sulfonic acid (4,2 FTS)	6,2-Fluorotelomer sulfonic acid (6,2 FTS)	6,2-Fluorotelomer sulfonic acid (6,2 FTS)	8,2-Fluorotelomer sulfonic acid (8,2 FTS)	8,2-Fluorotelomer sulfonic acid (8,2 FTS)	10,2-Fluorotelomer sulfonic acid (10,2 FTS)	10,2-Fluorotelomer sulfonic acid (10,2 FTS)	PFAS (Sum of Total)	Sum of WADWER PFAS (n=107)	PFAS (Sum of Total(WADWER List))	Sum of US EPA PFAS (PFOS + PFOA)*	Sum of PFASs and PFOS	Sum of PFASs + PFOS + PFOA*	Sum of PFASs + PFOS + PFOA*	
				mg/kg 0.0002	µg/L 0.02	mg/kg 0.0005	µg/L 0.5	mg/kg 0.0004	µg/L 0.05	mg/kg 0.0002	µg/L 0.02	mg/kg 0.0005	µg/L 0.05	mg/kg 0.0002	µg/L 0.1	mg/kg 0.0001	µg/L 0.01	mg/kg 0.0001	µg/L 0.01	mg/kg 0.0001	µg/L 0.01	mg/kg 0.0001	µg/L 0.01	mg/kg 0.0002	UG/KG 0.2	mg/kg 0.0002	mg/kg 0.0005	mg/kg 0.0002	mg/kg 0.0002	
LOR																														
Area	Location Code	Date	Field ID	Sample Type																										
	0960_SD122	22 Jun 2022	0960_SS122_220622	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0049	4.9	-	-	0.0021	-
	0960_SD122	22 Nov 2022	0960_SS122_221122	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0871	86.3	-	-	0.0863	-
	0960_SD122	28 Jun 2023	0960_SS122_230628	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0002	<0.2	-	-	<0.0002	-
	0960_SD122	08 Nov 2023	0960_SS122_231108	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0114	11.4	-	-	0.0114	-
	0960_SD122	22 May 2024	0960_QC121_240522	Field_D	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0221	13.4	-	-	0.0134	-
	0960_SD122	22 May 2024	0960_QC221_240522	Interlab_D	<0.01	-	<0.005	-	<0.005	-	<0.01	-	<0.005	-	<0.005	-	<0.005	-	<0.005	-	<0.005	-	<0.005	-	<0.05	16	-	0.016	0.016	0.016
	0960_SD122	22 May 2024	0960_SS122_240522	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0201	12.4	-	-	0.0124	-
	0960_SD122	10 Dec 2024	0960_SS122_241210	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0309	29.6	-	-	0.0296	-
	0960_SD122	23 Jun 2025	0960_SS122_250623	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0223	-	0.0070	-	0.0070	-
	0960_SD123	05 Feb 2018	0960_SS123_0.0_180205	Normal	<0.0002	-	<0.005	-	<0.001	-	<0.0002	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-	0.0001	-	<0.0001	-	-	-	-	-	-	-
0960_SD123	05 Feb 2018	0960_SS123_0.3_180205	Normal	<0.0002	-	<0.005	-	<0.001	-	<0.0002	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-	0.0001	-	<0.0001	-	-	-	-	-	-	-	
0960_SD123	19 Jun 2018	0960_SS123_0.0_180619	Normal	<0.0002	-	<0.005	-	<0.001	-	<0.0002	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-	0.0002	-	<0.0001	-	-	-	-	-	-	-	
0960_SD123	26 Nov 2019	0960_QC101_191126	Field_D	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	0.0004	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.131	125	-	-	0.125	-	
0960_SD123	26 Nov 2019	0960_QC201_191126	Interlab_D	<0.01	-	<0.005	-	<0.005	-	<0.01	-	<0.005	-	<0.005	-	<0.01	-	<0.005	-	<0.005	-	<0.005	-	0.15	150	-	0.15	0.15	0.15	
0960_SD123	26 Nov 2019	0960_SS123_191126	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.112	109	-	-	0.109	-	
0960_SD123	27 May 2020	0960_SS123_200527	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0381	34.9	-	-	0.0349	-	
0960_SD123	24 Jun 2020	0960_QC105_0.00-0.10_20	Field_D	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0962	93.8	-	-	0.0938	-	
0960_SD123	24 Jun 2020	0960_SS123_0.00-0.10_20	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0868	84.6	-	-	0.0846	-	
0960_SD123	19 Nov 2020	0960_QC101_201119	Field_D	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.121	116	-	-	0.116	-	
0960_SD123	19 Nov 2020	0960_QC201_201119	Interlab_D	<0.01	-	<0.005	-	<0.005	-	<0.005	-	<0.005	-	<0.005	-	<0.005	-	<0.005	-	<0.005	-	<0.005	-	0.19	190	-	0.19	0.19	0.19	
0960_SD123	19 Nov 2020	0960_SS123_0.00-0.10_20	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.131	127	-	-	0.127	-	
0960_SD123	04 Mar 2021	0960_QC101_210304	Field_D	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0824	81.8	-	-	0.0818	-	
0960_SD123	04 Mar 2021	0960_QC201_210304	Interlab_D	<0.01	-	<0.005	-	<0.005	-	<0.005	-	<0.005	-	<0.005	-	<0.005	-	<0.005	-	<0.005	-	<0.005	-	0.073	73	-	0.073	0.073	0.073	
0960_SD123	04 Mar 2021	0960_SS123_210304	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0911	90.0	-	-	0.0900	-	
0960_SD123	23 Jun 2021	0960_QC102_210623	Field_D	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0453	44.3	-	-	0.0443	-	
0960_SD123	23 Jun 2021	0960_QC202_210623	Interlab_D	<0.01	-	<0.005	-	<0.005	-	<0.01	-	<0.005	-	<0.005	-	<0.005	-	<0.005	-	<0.005	-	<0.005	-	0.066	66	-	0.066	0.066	0.066	
0960_SD123	23 Jun 2021	0960_SS123_210623	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0474	46.6	-	-	0.0466	-	
0960_SD123	24 Nov 2021	0960_QC122_211124	Field_D	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0362	35.2	-	-	0.0352	-	
0960_SD123	24 Nov 2021	0960_QC222_211124	Interlab_D	<0.01	-	<0.005	-	<0.005	-	<0.01	-	<0.005	-	<0.005	-	<0.005	-	<0.005	-	<0.005	-	<0.005	-	0.131	127	-	-	0.127	-	
0960_SD123	24 Nov 2021	0960_SS123_211124	Normal	<0.0002	->																									

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					PFAS - Perfluoroalkyl Sulfonamide										PFAS - Fluorotelomer Sulfonic Acids										PFAS - Sums															
					Methyl perfluorooctane sulfonamide acid (FOSAA)		Methyl perfluorooctane sulfonamide (FOSF)		Methyl perfluorooctane sulfonamide (FOSAA)		Methyl perfluorooctane sulfonamide (FOSF)		Perfluorooctane sulfonamide (FOSAA)		Perfluorooctane sulfonamide (FOSF)		Perfluorooctane sulfonamide (FOSAA)		4:2 Fluorotelomer sulfonic acid (4:2 FTS)		6:2 Fluorotelomer Sulfate (6:2 FTS)		8:2 Fluorotelomer sulfonic acid (8:2 FTS)		10:2 Fluorotelomer sulfonic acid (10:2 FTS)		10:2 Fluorotelomer sulfonic acid (10:2 FTS)		PFAS (Sum of Total)		Sum of MA/DMA DER (m=10)		PFAS (Sum of total MA/DMA DER)		Sum of 4 US EPA PFAS (PFOS + PFOA)		Sum of PFHxS and PFOS		Sum of all PFAS (PFAS + PFOS + PFOA)	
					mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L
LOR					0.0002	0.02	0.0005	0.05	0.0004	0.05	0.0002	0.02	0.0005	0.05	0.0002	0.02	0.0005	0.05	0.0001	0.01	0.0001	0.01	0.0001	0.01	0.0001	0.01	0.0002	0.2	0.0002	0.2	0.0002	0.005	0.0002	0.005	0.0002	0.005	0.0002	0.005		
Area	Location Code	Date	Field ID	Sample Type	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0007	0.7	-	-	0.0007	-	-	-	-	0.0007	-			
	0960 SD193	04 Mar 2021	0960 SS193 210304	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0002	<0.2	-	-	<0.0002	-	-	-	<0.0002	-				
	0960 SD193	23 Jun 2021	0960 QC113 210623	Field D	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0002	<0.2	-	-	<0.0002	-	-	-	<0.0002	-				
	0960 SD193	23 Jun 2021	0960 QC213 210623	Interlab D	<0.01	-	<0.005	-	<0.005	-	<0.01	-	<0.005	-	<0.005	-	<0.005	-	<0.005	-	<0.005	-	<0.005	-	<0.005	-	<0.05	<10	<0.025	<0.005	<0.025	-	-	<0.005	<0.005					
	0960 SD193	23 Jun 2021	0960 SS193 210623	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0002	<0.2	-	-	<0.0002	-	-	-	<0.0002	-				
	0960 SD193	24 Nov 2021	0960 SS193 211124	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0002	0.2	-	-	0.0002	-	-	-	0.0002	-				
	0960 SD193	18 May 2022	0960 QC111 220518	Field D	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0004	0.4	-	-	0.0004	-	-	-	0.0004	-				
	0960 SD193	18 May 2022	0960 QC211 220518	Interlab D	<0.0004	-	<0.004	-	<0.004	-	<0.004	-	<0.004	-	<0.004	-	<0.004	-	<0.0004	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0002	<0.2	-	-	<0.0002	-	-	-	<0.0002	-			
	0960 SD193	18 May 2022	0960 SS193 220518	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0002	0.2	-	-	0.0002	-	-	-	0.0002	-				
	0960 SD193	23 Jun 2022	0960 SS193 220623	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0026	2.6	-	-	0.0026	-	-	-	0.0026	-				
	0960 SD193	23 Nov 2022	0960 SS193 221123	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0014	1.4	-	-	0.0014	-	-	-	0.0014	-				
	0960 SD193	28 Jun 2023	0960 SS193 230628	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0005	0.5	-	-	0.0005	-	-	-	0.0005	-				
	0960 SD193	08 Nov 2023	0960 SS193 231108	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0005	0.5	-	-	0.0005	-	-	-	0.0005	-				
	0960 SD193	22 May 2024	0960 SS193 240522	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0002	<0.2	-	-	<0.0002	-	-	-	<0.0002	-				
	0960 SD193	14 Dec 2024	0960 SS193 241214	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0008	0.8	-	-	0.0008	-	-	-	0.0008	-				
	0960 SD193	26 Jun 2025	0960 QC107 250626	Field D	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0003	-	0.0003	-	0.0003	-	-	-	0.0003	-				
	0960 SD193	26 Jun 2025	0960 QC207 250626	Interlab D	<0.01	-	<0.005	-	<0.005	-	<0.01	-	<0.005	-	<0.005	-	<0.005	-	<0.005	-	<0.005	-	<0.005	-	<0.005	-	<0.05	<10	<0.025	<0.005	<0.025	-	-	<0.005	<0.005					
	0960 SD193	26 Jun 2025	0960 SD193 250626	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0004	-	0.0004	-	0.0004	-	-	-	0.0004	-				
	0960 SD198	19 Feb 2018	0960 SS198 0.0 180219	Normal	<0.0002	-	<0.005	-	<0.001	-	<0.0002	-	<0.001	-	<0.001	-	<0.0001	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	-	-	-	-	-	-	-	-	-				
	0960 SD198	19 Feb 2018	0960 SS198 0.4 180219	Normal	<0.0002	-	<0.005	-	<0.001	-	<0.0002	-	<0.001	-	<0.001	-	<0.0001	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	-	-	-	-	-	-	-	-	-				
	0960 SD198	29 Nov 2019	0960 SS198 191129	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0047	4.7	-	-	0.0047	-	-	-	0.0047	-		
	0960 SD198	28 May 2020	0960 SS198 200528	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0008	0.8	-	-	0.0008	-	-	-	0.0008	-		
	0960 SD198	24 Jun 2020	0960 SS198 200624	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0002	<0.2	-	-	<0.0002	-	-	-	<0.0002	-		
	0960 SD198	20 Nov 2020	0960 SS198 201120	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0012	1.2	-	-	0.0012	-	-	-	0.0012	-				
	0960 SD198	04 Mar 2021	0960 SS198 210304	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0002	<0.2	-	-	<0.0002	-	-	-	<0.0002	-		
	0960 SD198	24 Jun 2021	0960 SS198 210624	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0002	<0.2	-	-	<0.0002	-	-	-	<0.0002	-		
	0960 SD198	24 Nov 2021	0960 QC125 211124</																																					

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					PFAS - Perfluoroalkyl Sulfonamide										PFAS - Fluorotelomer Sulfonic Acids										PFAS - Sums															
					Methyl perfluorooctane sulfonamidoacetic acid (EFC8AA)		Methyl perfluorooctane sulfonamidoethanol (EFOSE)		Methyl perfluorooctane sulfonamide (MeFCSA)		Methyl perfluorooctane sulfonamidoacetic acid (MeFCSAA)		Methyl perfluorooctane sulfonamidoethanol (MEFOSE)		Perfluorooctane sulfonamide (FCSA)		Perfluorooctane sulfonamidoacetic acid (FCSAA)		4:2 Fluorotelomer sulfonic acid (4:2 FTS)		8:2 Fluorotelomer sulfonate (8:2 FTS)		10:2 Fluorotelomer sulfonic acid (10:2 FTS)		12:2 Fluorotelomer sulfonic acid (12:2 FTS)		PFAS (Sum of Total)		Sum of WADWER PFAS (n=10)*		PFAS (Sum of 6:6/10:10/14:14)		Sum of USEPA PFAS (PFOS + PFOS + PFOS)		Sum of PFHxS and PFCS		Sum of all other PFAS (PFHxS + PFCS + PFDA)*			
					mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L
					0.0002	0.02	0.0005	0.5	0.0004	0.05	0.0002	0.02	0.0005	0.05	0.0002	0.1	0.0004	0.0001	0.01	0.0001	0.01	0.0001	0.01	0.0001	0.01	0.0002	0.2	0.0002	0.2	0.0002	0.005	0.0002	0.005	0.0002	0.005	0.0002	0.005			
Area	Location Code	Date	Field ID	Sample Type	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0002	<0.2	-	-	<0.0002	-	-	<0.0002	-	-	<0.0002	-	-	<0.0002	-	
	0960_SD291	22 Nov 2022	0960_SS291_221122	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0002	<0.2	-	-	<0.0002	-	-	<0.0002	-	-	<0.0002	-	-	<0.0002	-	
	0960_SD291	28 Jun 2023	0960_SS291_230628	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0002	<0.2	-	-	<0.0002	-	-	<0.0002	-	-	<0.0002	-	-	<0.0002	-	
	0960_SD291	08 Nov 2023	0960_SS291_231108	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0013	1.3	-	-	0.0013	-	-	0.0013	-	-	0.0013	-	-	0.0013	-	
	0960_SD291	22 May 2024	0960_QC120_240522	Field_D	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0042	4.0	-	-	0.0040	-	-	0.0040	-	-	0.0040	-	-	0.0040	-	
	0960_SD291	22 May 2024	0960_QC220_240522	Interlab_D	<0.01	-	<0.005	-	<0.005	-	<0.01	-	<0.005	-	<0.005	-	<0.005	-	<0.01	-	<0.005	-	<0.005	-	<0.05	11	-	-	0.011	0.011	0.011	0.011	-	-	0.011	0.011	0.011	0.011	-	
	0960_SD291	22 May 2024	0960_SS291_240522	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0046	4.3	-	-	0.0043	-	-	0.0043	-	-	0.0043	-	-	0.0043	-	
	0960_SD291	14 Dec 2024	0960_SD291_241214	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0043	4.3	-	-	0.0043	-	-	0.0043	-	-	0.0043	-	-	0.0043	-	
	0960_SD291	24 Jun 2025	0960_SD291_250624	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0020	-	0.0020	-	0.0020	-	-	0.0020	-	-	0.0020	-	-	0.0020	-	
	0960_SD292	01 Jun 2018	0960_SS292_0.0_180601	Normal	<0.0002	-	<0.005	-	<0.001	-	<0.0002	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	0960_SD292	01 Jun 2018	0960_SS292_0.5_180601	Normal	<0.0002	-	<0.005	-	<0.001	-	<0.0002	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	0960_SD292	29 Nov 2019	0960_SS292_191129	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0016	1.6	-	-	0.0016	-	-	0.0016	-	-	0.0016	-	-	0.0016	-	
	0960_SD292	28 May 2020	0960_SS292_200528	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0002	<0.2	-	-	<0.0002	-	-	<0.0002	-	-	<0.0002	-	-	<0.0002	-	
	0960_SD292	24 Jun 2020	0960_QC103_200624	Field_D	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0022	2.2	-	-	0.0022	-	-	0.0022	-	-	0.0022	-	-	0.0022	-	
	0960_SD292	24 Jun 2020	0960_QC203_200624	Interlab_D	<0.01	-	<0.005	-	<0.005	-	<0.01	-	<0.005	-	<0.005	-	<0.005	-	<0.01	-	<0.005	-	<0.005	-	<0.05	<10	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
	0960_SD292	24 Jun 2020	0960_SS292_200624	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0025	2.5	-	-	0.0025	-	-	0.0025	-	-	0.0025	-	-	0.0025	-	
	0960_SD292	20 Nov 2020	0960_SS292_201120	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0025	2.5	-	-	0.0025	-	-	0.0025	-	-	0.0025	-	-	0.0025	-	
	0960_SD292	04 Mar 2021	0960_SS292_210304	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0006	0.6	-	-	0.0006	-	-	0.0006	-	-	0.0006	-	-	0.0006	-	
	0960_SD292	24 Jun 2021	0960_SS292_210624	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0006	0.6	-	-	0.0006	-	-	0.0006	-	-	0.0006	-	-	0.0006	-	
	0960_SD292	24 Nov 2021	0960_SS292_211124	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0020	2.0	-	-	0.0020	-	-	0.0020	-	-	0.0020	-	-	0.0020	-	
	0960_SD292	18 May 2022	0960_SS292_220518	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0005	0.5	-	-	0.0005	-	-	0.0005	-	-	0.0005	-	-	0.0005	-	
	0960_SD292	22 Jun 2022	0960_SS292_220622	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0004	0.4	-	-	0.0004	-	-	0.0004	-	-	0.0004	-	-	0.0004	-	
	0960_SD292	28 Jun 2023	0960_SS292_230628	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0005	0.5	-	-	0.0005	-	-	0.0005	-	-	0.0005	-	-	0.0005	-	
	0960_SD292	08 Nov 2023	0960_SS292_231108	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0025	2.5	-	-	0.0025	-	-	0.0025	-	-	0.0025	-	-	0.0025	-	
	0960_SD292	22 May 2024	0960_SS292_240522	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0004															

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[illegible]

[illegible]

Comments
 #1 Quantification of linear and branched isomers has been conducted as a single total response using the relative response factor for the corresponding linear/branched standard.
 #2 Reported Analyte LOR is higher than Requested Analyte LOR



Appendix C
Table C
Sediment Analytical Results

				PFAS - Perfluoroalkyl Sulfonamide								PFAS - Fluorotelomer Sulfonic Acids								PFAS - Sums																
				N-Ethyl perfluorooctane sulfonamidoacetic acid (EFOSAA)		N-Ethyl perfluorooctane sulfonamidoethanol (EFOSEA)		N-Methyl perfluorooctane sulfonamide (MeFOSA)		N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)		N-Methyl perfluorooctane sulfonamidoethanol (MEFOSEA)		Perfluorooctane sulfonamide (FOSA)		Perfluorooctane sulfonamidoacetic acid (FOSAA)		6.2 Fluorotelomer Sulfonate (6.2 FTS)		8.2 Fluorotelomer Sulfonate (8.2 FTS)		10.2 Fluorotelomer Sulfonate (10.2 FTS)		PFAS (Sum of Total)		Sum of WADWER PFAS (µm ¹⁰)		PFAS (Sum of Total)(WADWER Use)		Sum of US EPA PFAS PFOS + PFOA ¹		Sum of PFASs and PFOS		Sum of PFASs + PFOS + PFOA ¹		
				mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	mg/kg	µg/L	UG/KG	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
LOR				0.0002	0.02	0.0005	0.5	0.0004	0.05	0.0002	0.02	0.0005	0.05	0.0002	0.1	0.0004	0.0001	0.01	0.0001	0.01	0.0001	0.01	0.0001	0.01	0.0002	0.2	0.0002	0.005	0.0002	0.005	0.0002	0.005	0.0002	0.005	0.0002	0.005
Area	Location Code	Date	Field ID	Sample Type	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0020	2.0	-	-	0.0020	-						
	0960_SD211	04 Mar 2021	0960_SD211_210304	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0010	1.0	-	-	0.0010	-						
	0960_SD211	24 Nov 2021	0960_SD211_211124	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0007	0.7	-	-	0.0007	-						
	0960_SD211	18 May 2022	0960_SD211_220518	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0006	0.6	-	-	0.0006	-						
	0960_SD211	23 Jun 2022	0960_SD211_220623	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0010	1.0	-	-	0.0010	-						
	0960_SD211	23 Nov 2022	0960_SD211_221123	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0016	1.6	-	-	0.0016	-						
	0960_SD211	28 Jun 2023	0960_SD211_230628	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0074	55.1	-	-	0.0074	-						
	0960_SD211	08 Nov 2023	0960_SD211_231108	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0012	1.2	-	-	0.0012	-						
	0960_SD211	23 May 2024	0960_SD211_240523	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0034	3.4	-	-	0.0034	-						
	0960_SD211	15 Dec 2024	0960_SD211_241216	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0009	0.9	-	-	0.0009	-						
	0960_SD211	27 Jun 2025	0960_SD211_250627	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0016	-	0.0016	-	0.0016	-						
	0960_SD300	29 Nov 2019	0960_SD300_191129	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0002	<0.2	-	-	<0.0002	-						
	0960_SD300	26 May 2020	0960_SD300_200526	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0087	8.7	-	-	0.0087	-						
	0960_SD300	20 Nov 2020	0960_SD300_201120	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0015	1.5	-	-	0.0015	-						
	0960_SD300	04 Mar 2021	0960_SD300_210304	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0002	<0.2	-	-	<0.0002	-						
	0960_SD300	23 Jun 2021	0960_SD300_210623	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0013	1.3	-	-	0.0013	-						
	0960_SD300	24 Nov 2021	0960_SD300_211124	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0004	0.4	-	-	0.0004	-						
	0960_SD300	18 May 2022	0960_SD300_220518	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0007	0.7	-	-	0.0007	-						
	0960_SD300	23 Jun 2022	0960_SD300_220623	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0053	4.9	-	-	0.0053	-						
	0960_SD300	23 Nov 2022	0960_SD300_221123	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0008	0.8	-	-	0.0008	-						
	0960_SD300	28 Jun 2023	0960_SD300_230628	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0012	1.2	-	-	0.0012	-						
	0960_SD300	08 Nov 2023	0960_SD300_231108	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0008	0.8	-	-	0.0008	-						
	0960_SD300	23 May 2024	0960_SD300_240523	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0004	0.4	-	-	0.0004	-						
	0960_SD300	15 Dec 2024	0960_SD300_241215	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0002	0.2	-	-	0.0002	-						
	0960_SD300	29 Jun 2025	0960_SD300_250629	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0022	-	0.0022	-	0.0022	-						
	0960_SD302	14 Jun 2018	0960_SS302 0.0 180614	Normal	<0.0002	-	<0.005	-	<0.001	-	<0.0002	-	<0.001	-	<0.001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	-	-	-	-	-	-	-					
	0960_SD302	14 Jun 2018	0960_SS302 0.4 180614	Normal	<0.0002	-	<0.005	-	<0.001	-	<0.0002	-	<0.001	-	<0.001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	-	-	-	-	-	-	-	-				
WAPET Creek Northern Reach	0960_SD302	29 Nov 2019	0960_QC103_191129	Field D	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0002	<0.2	-	-	<0.0002	-						
	0960_SD302	29 Nov 2019	0960_QC203_191129	Interlab D	<0.01	-	<0.005	-	<0.005	-	<0.01	-	<0.005	-	<0.005	-	<0.005	-	<0.01	-	<0.005	-	<0.005	-	<0.06	<10	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		
	0960_SD302	29 Nov 2019	0960_SD302_191129	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0002	<0.2	-	-	<0.0002	-						
	0960_SD302	26 May 2020	0960_SD302_200526	Normal	<0.0002	-	<0.0005	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0002	-	<0.0005	-	<0.0005	-	<0.0005	-	<0.0005	-	0.0006	0.6	-	-	0.0006	-						

Appendix D

Tidal conditions

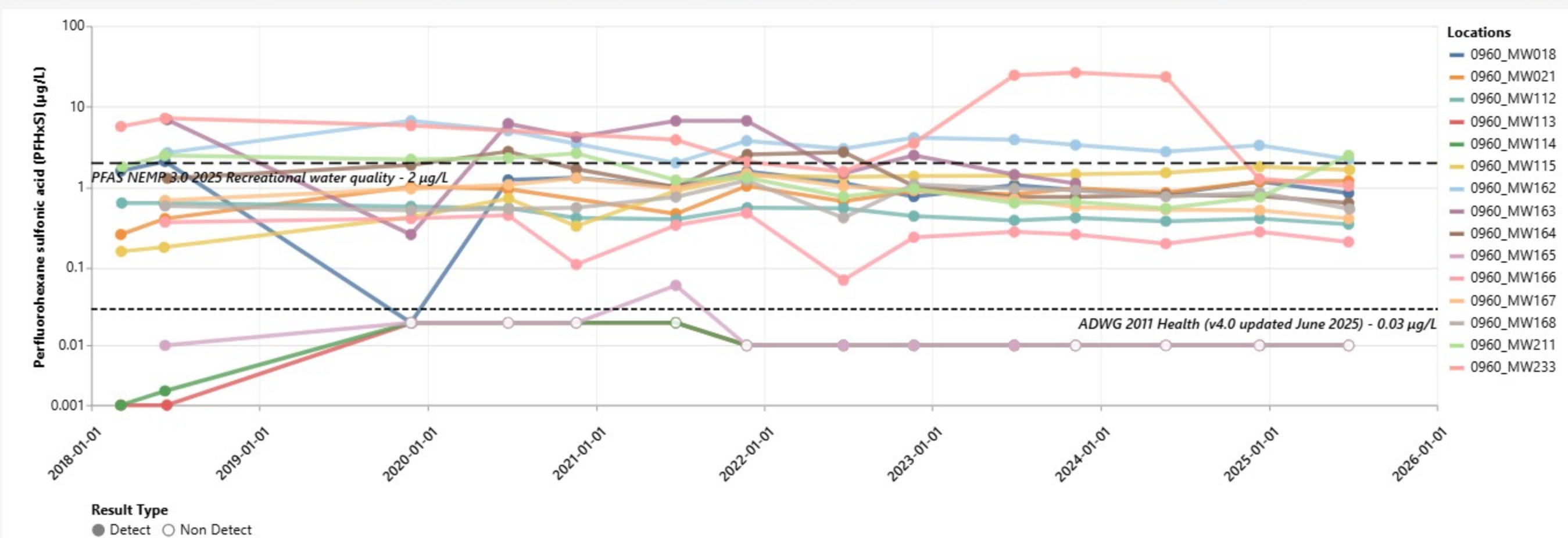
Area	Location	Monitoring Event	Field ID	Sample time ¹	Nearest low tide	Deviation (±/- in hours and minutes)	Tide status ²	Total PFAS concentration (µg/L)	TDS (mg/L)	EC (µS/cm)	Sample composition ³
Additional off-base	OTH103	08 Nov 2023	0960_OTH103_231108	9:36	8:12	+1:24	Incoming tide	<0.01	40,658	63,528	Seawater
	OTH103	23 May 2024	0960_OTH103_240523	10:33	4:29	+6:04	Incoming (high tide)	0.0056	36,192	56,550	Seawater
	OTH103	15 Dec 2024	0960_OTH103_241215	7:57	12:11	-4:14	Outgoing tide	0.0002	36,959	57,749	Seawater
	OTH103	30 Jun 2025	0960_OTH103_250630	11:25	6:21	+5:04	Incoming tide	0.0042	33,205	51,883	Predominantly seawater
	OTH103	30 Jun 2025	0960_QC115_250630	11:25	6:21	+5:04	Incoming tide	0.0056	33,205	51,883	Predominantly seawater
	OTH106	08 Nov 2023	0960_OTH106_231108	16:18	18:15	-1:57	Outgoing tide	<0.01	36,780	57,468	Seawater
	OTH106	22 May 2024	0960_OTH106_240522	13:45	16:53	-3:08	Outgoing tide	<0.0003	36,618	57,215	Seawater
	OTH106	16 Jan 2025	0960_OTH106_250116	7:30	7:00	+0:30	Low tide	<0.0002	36,959	57,749	Seawater
	OTH106	29 Jun 2025	0960_OTH106_250629	12:01	5:38	+6:23	Outgoing tide (near high tide)	0.0087	33,156	51,806	Predominantly seawater
	OTH107	08 Nov 2023	0960_OTH107_231108	14:34	19:34	-5:00	Outgoing tide (high tide)	<0.01	36,524	57,068	Seawater
	OTH107	22 May 2024	0960_OTH107_240522	13:22	16:53	-3:31	Outgoing tide	<0.0003	36,927	57,699	Seawater
	OTH107	22 May 2024	0960_QC132_240522	13:22	16:53	-3:31	Outgoing tide	<0.0003	36,927	57,699	Seawater
	OTH107	22 May 2024	0960_QC232_240522	13:22	16:53	-3:31	Outgoing tide	<0.005	36,927	57,699	Seawater
Wapet Creek Northern Reach	OTH107	16 Jan 2025	0960_OTH107_250116	7:56	7:00	+0:56	Low tide	<0.0002	36,474	56,991	Seawater
	OTH107	29 Jun 2025	0960_OTH107_250629	12:40	18:58	-6:18	Outgoing tide	0.0003	32,661	51,033	Predominantly seawater
	OTH129	08 Nov 2023	0960_OTH129_231108	9:02	8:12	+0:50	Low tide	<0.01	38,031	59,423	Seawater
	OTH129	23 May 2024	0960_OTH129_240523	10:04	4:29	+5:35	Incoming tide	0.0169	36,086	56,385	Seawater
Northern Drainage Channel	OTH129	14 Dec 2024	0960_OTH129_241214	12:18	11:24	+0:54	Low tide	<0.0002	36,025	56,289	Seawater
	OTH129	30 Jun 2025	0960_OTH129_250630	12:20	6:21	+5:59	Incoming (high tide)	<0.0002	32,477	50,745	Predominantly seawater
	OTH132	08 Nov 2023	0960_OTH132_231108	7:55	8:12	-0:17	Low tide	0.06	38,979	60,905	Seawater
	OTH132	22 May 2024	0960_OTH132_240522	14:22	16:53	-2:31	Outgoing tide	0.0016	38,471	60,111	Seawater
	OTH132	14 Dec 2024	0960_OTH132_241214	10:07	11:24	-1:17	Outgoing tide	0.0014	36,955	57,742	Seawater
	OTH132	30 Jun 2025	0960_OTH132_250630	14:05	19:41	-5:36	Outgoing tide	0.0002	32,417	50,651	Predominantly seawater
	OTH134	08 Nov 2023	0960_OTH134_231108	8:05	8:12	-0:07	Low tide	<0.01	36,934	36,934	Seawater
	OTH134	22 May 2024	0960_OTH134_240522	15:04	16:53	-1:49	Outgoing tide	0.0031	38,187	38,187	Seawater
	OTH134	14 Dec 2024	0960_OTH134_241214	10:12	11:24	-1:12	Outgoing tide	0.0007	37,200	58,125	Seawater
	OTH134	30 Jun 2025	0960_OTH134_250630	13:40	19:41	-6:01	Outgoing tide	0.0005	32,470	32,470	Predominantly seawater

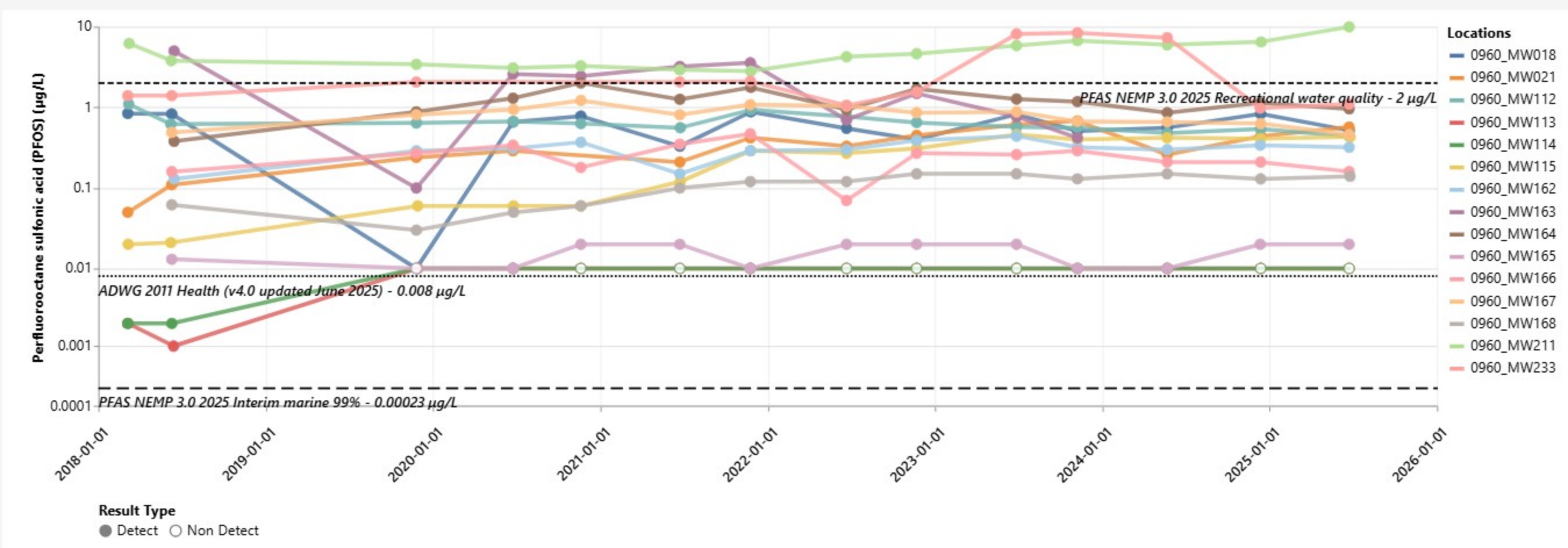
Table Notes:
¹ Grey denotes that sampling times were not recorded and/or assessed.
² Green denotes compliant, yellow denotes partially compliant, pink denotes non-compliant.
³ Sample composition assessed with consideration to typical seawater TDS content of approximately 35,000 mg/L (ANZG, 2018)

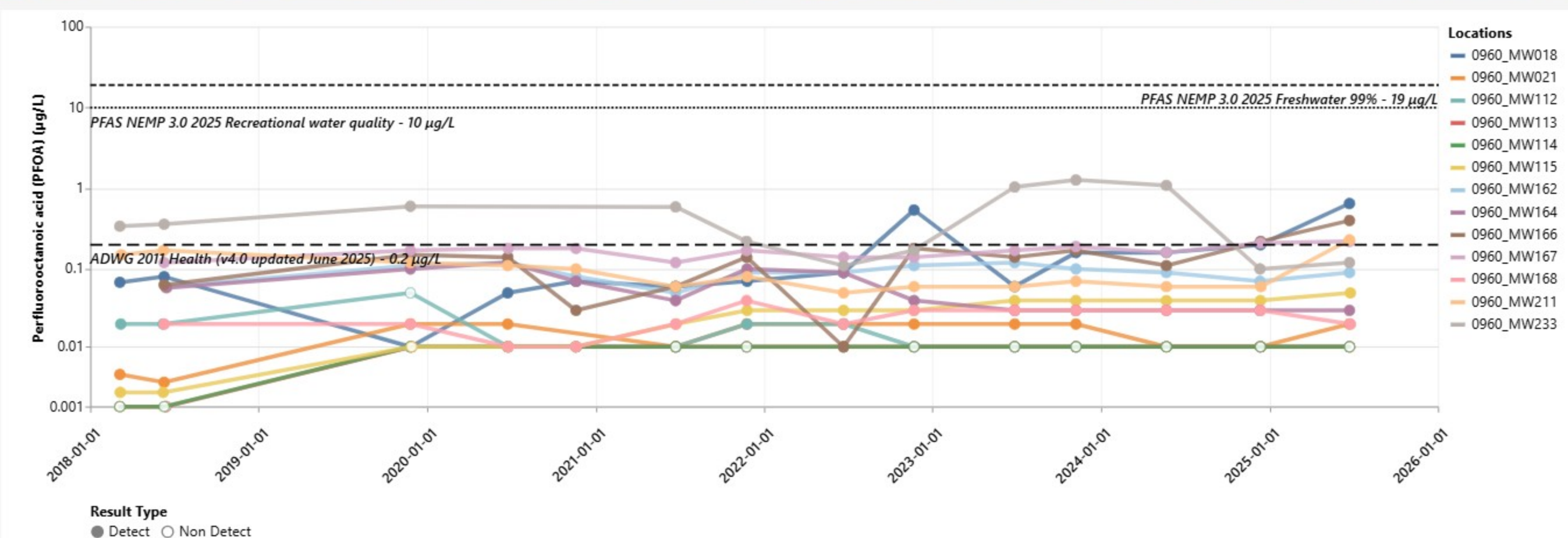
Appendix E

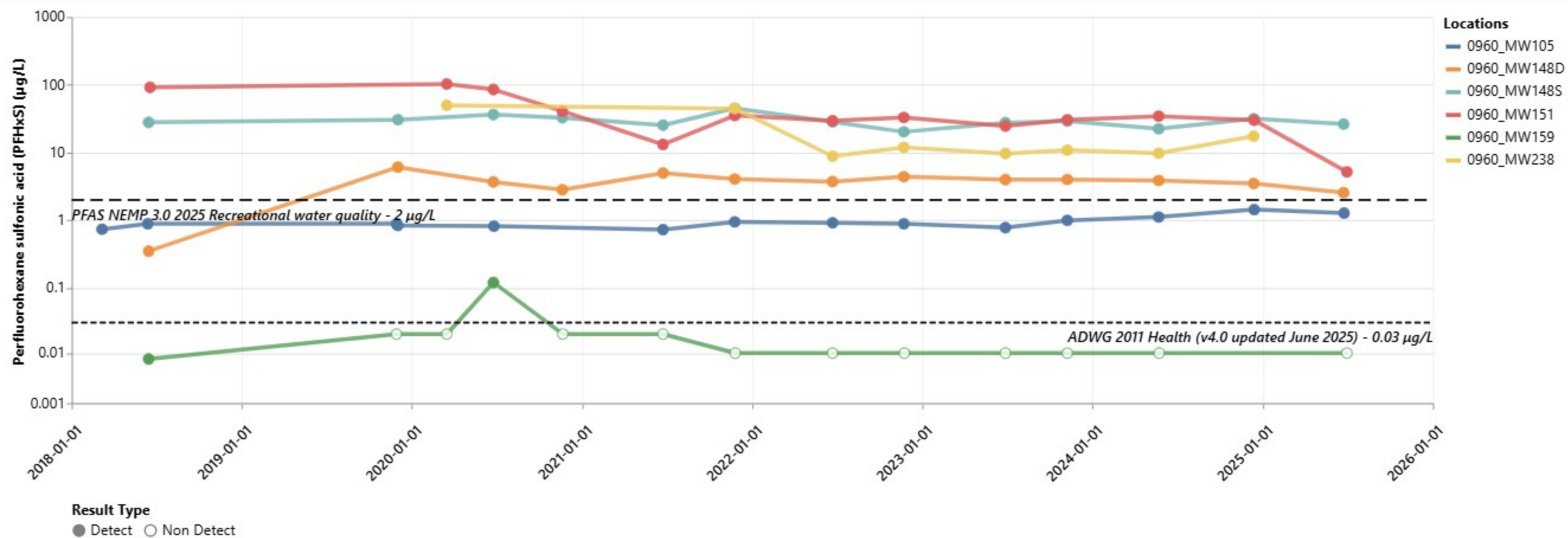
Times series graphs

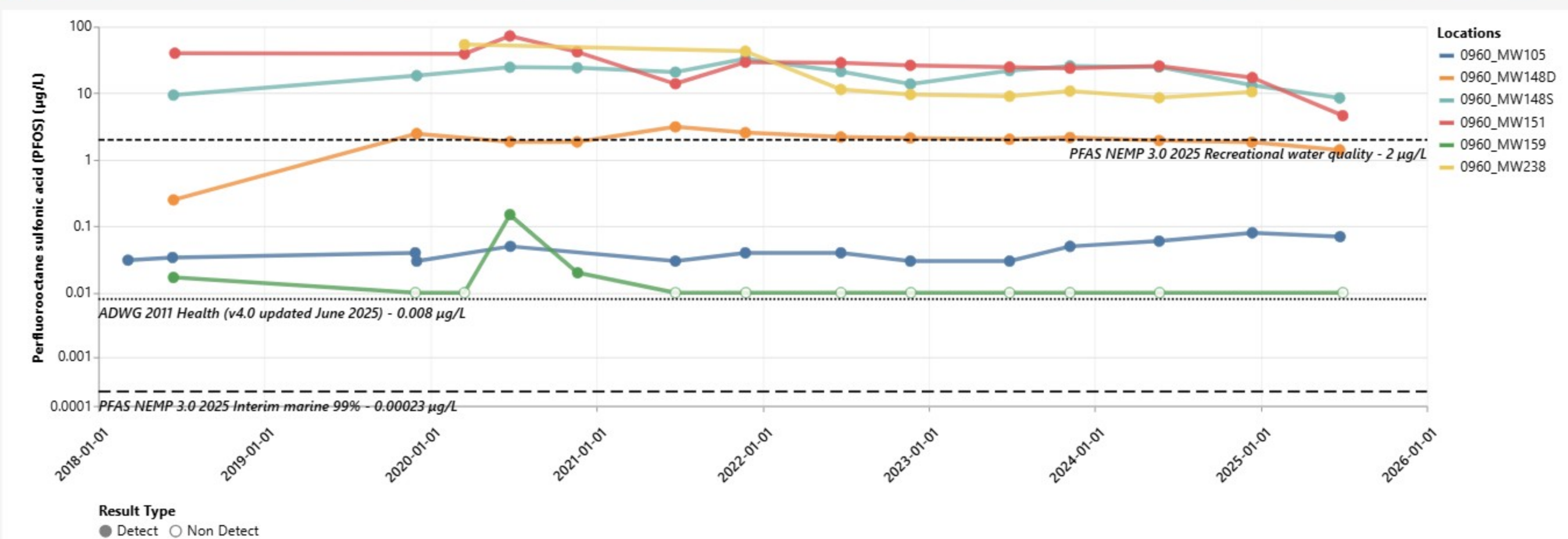
Screening assessment

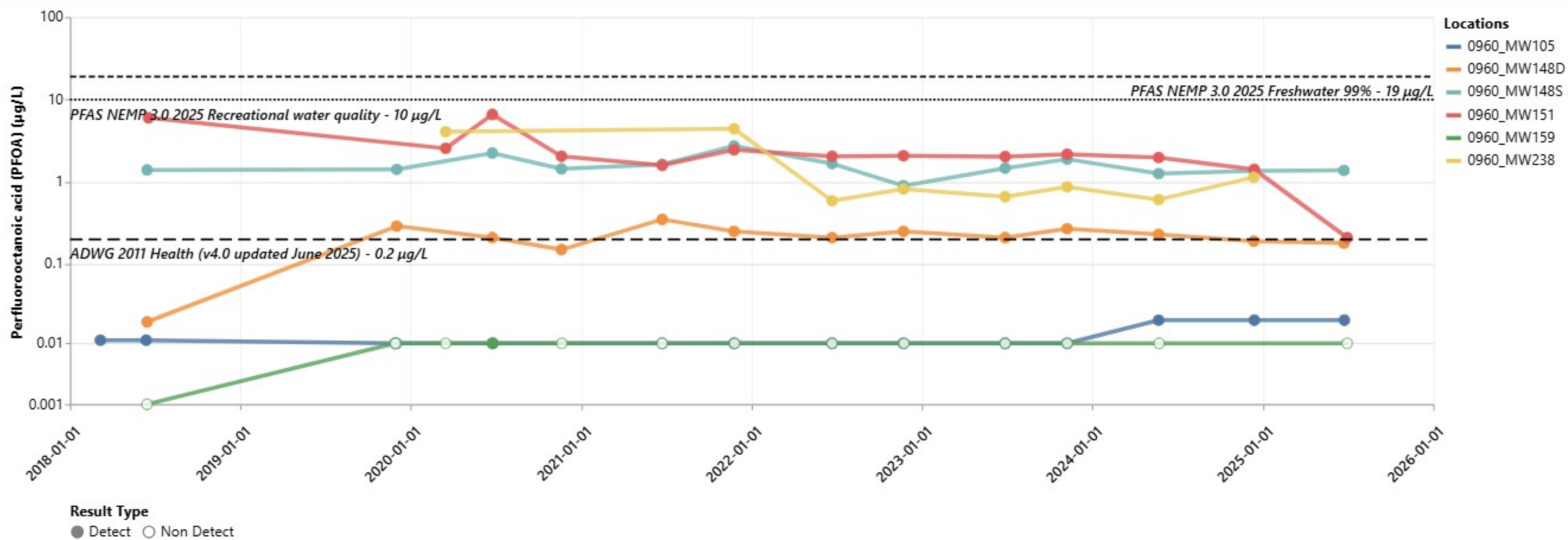


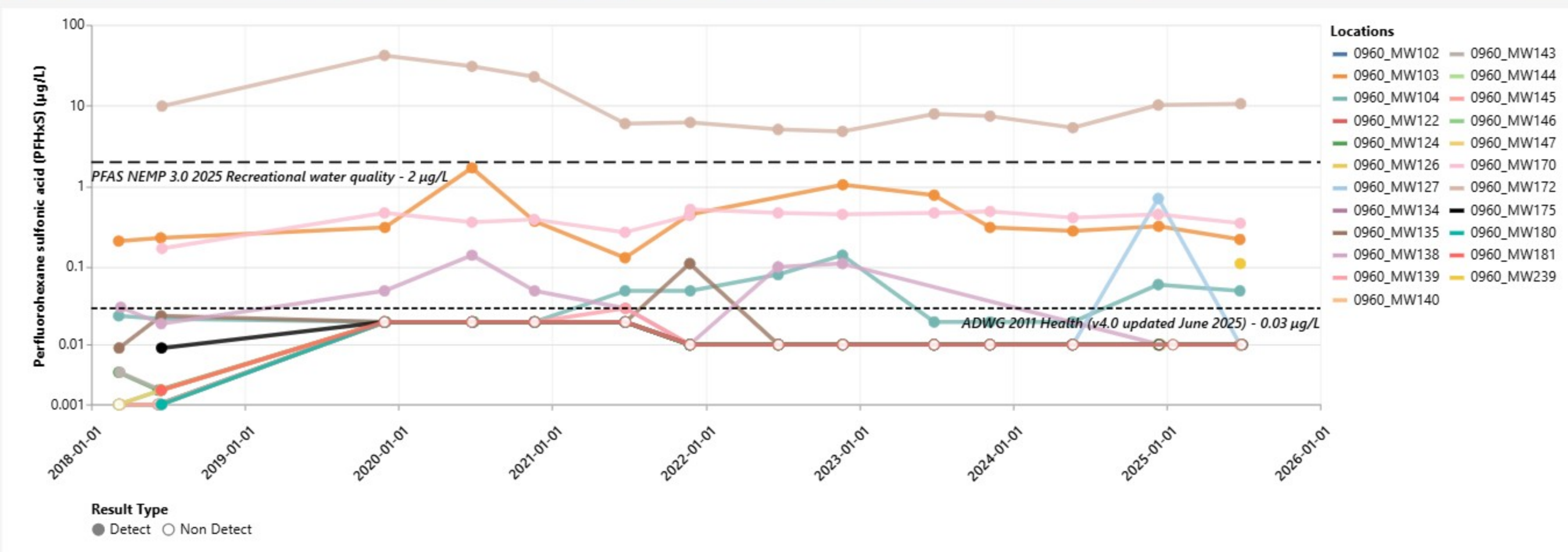


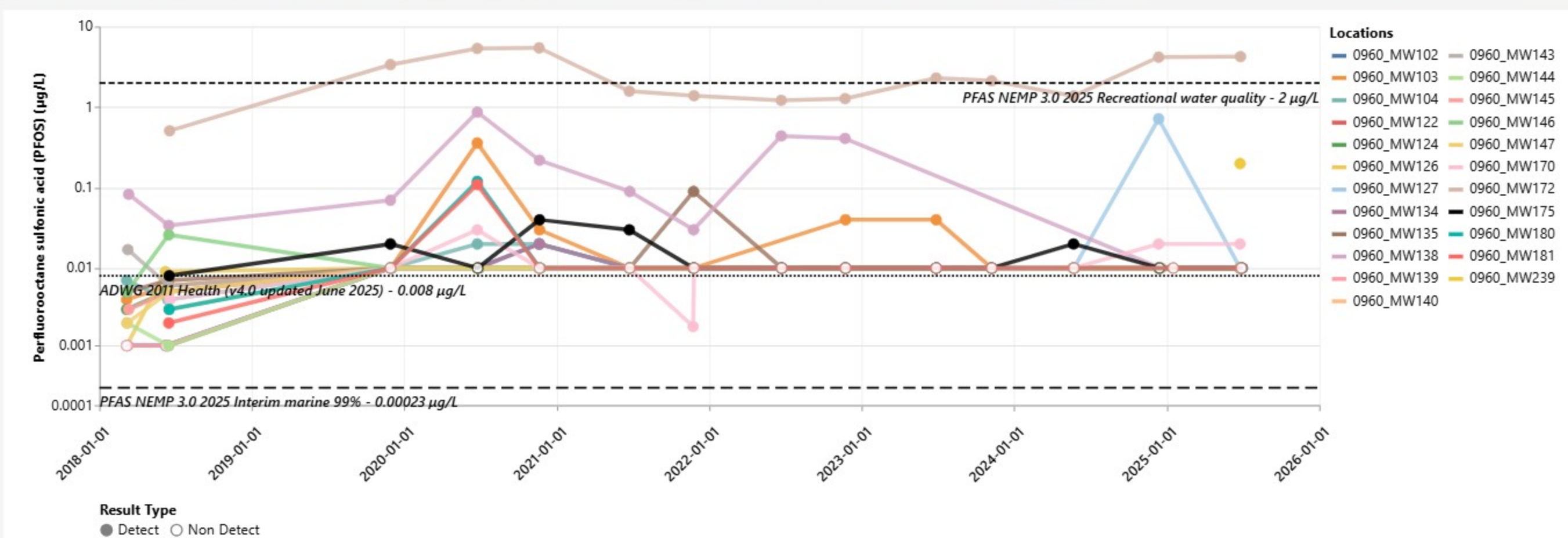


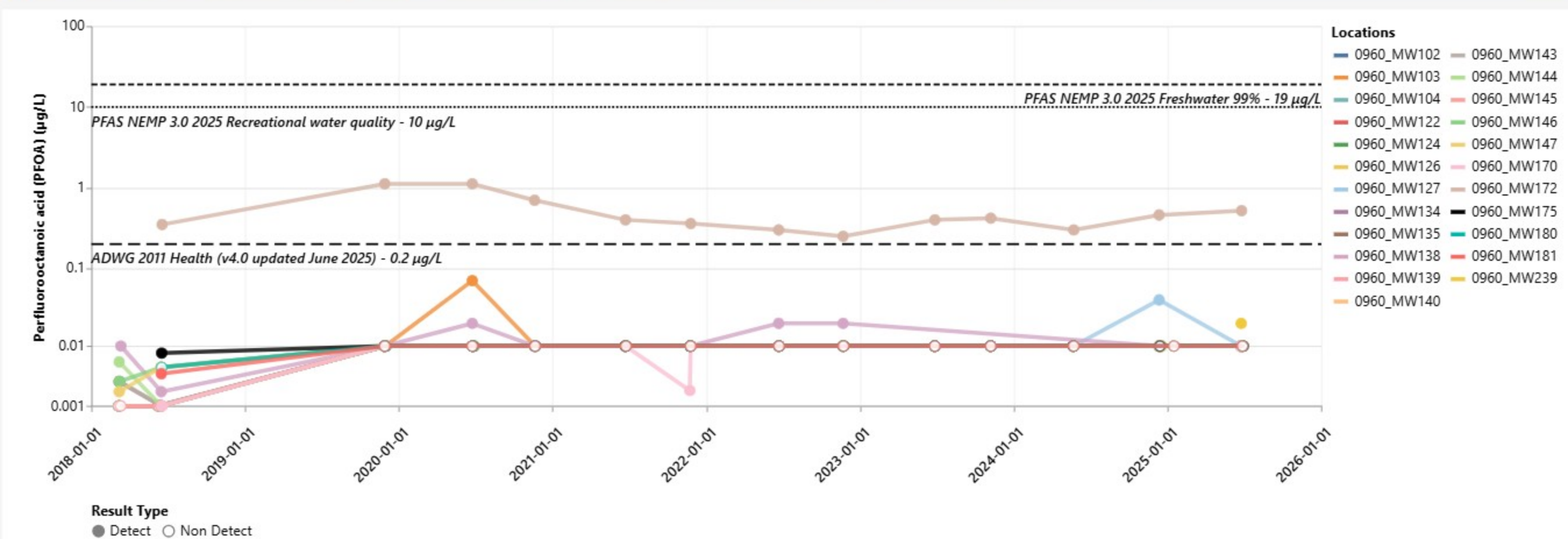


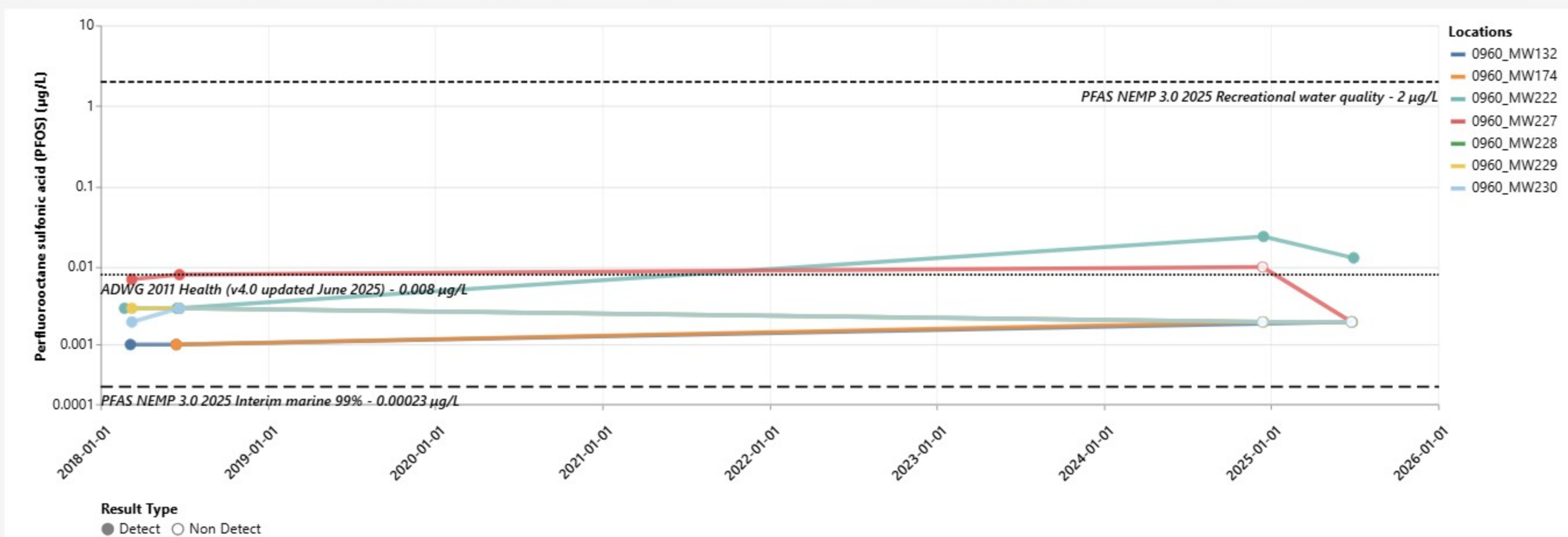


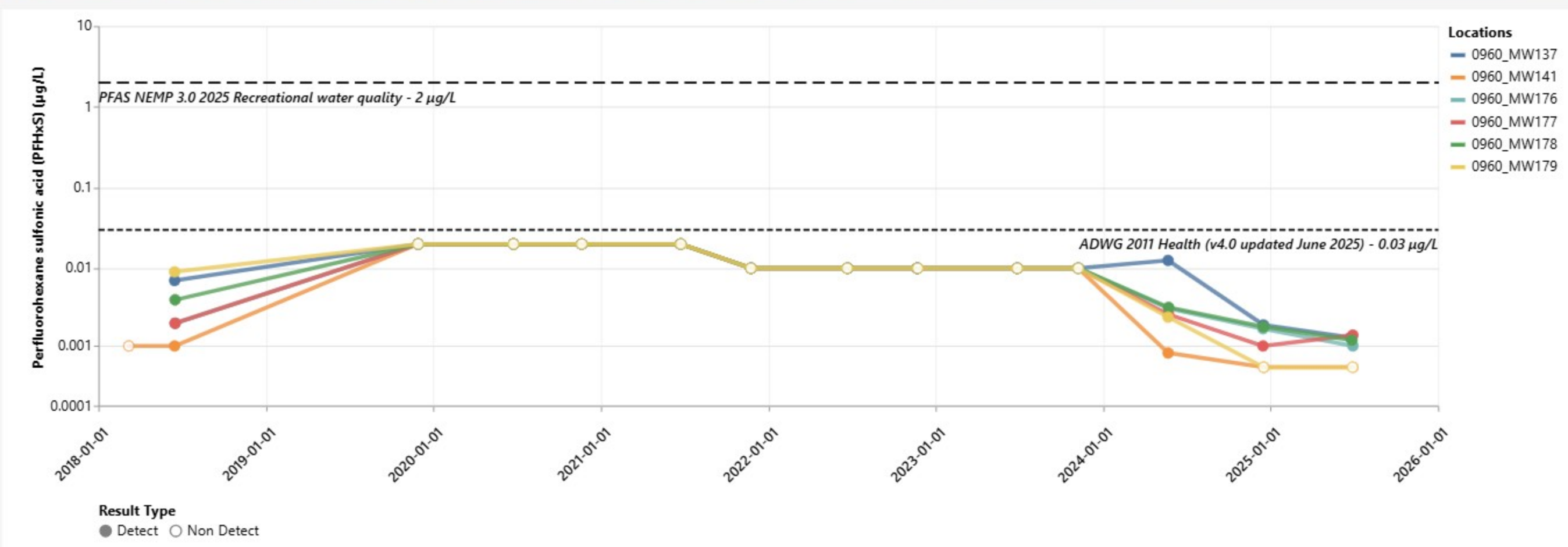


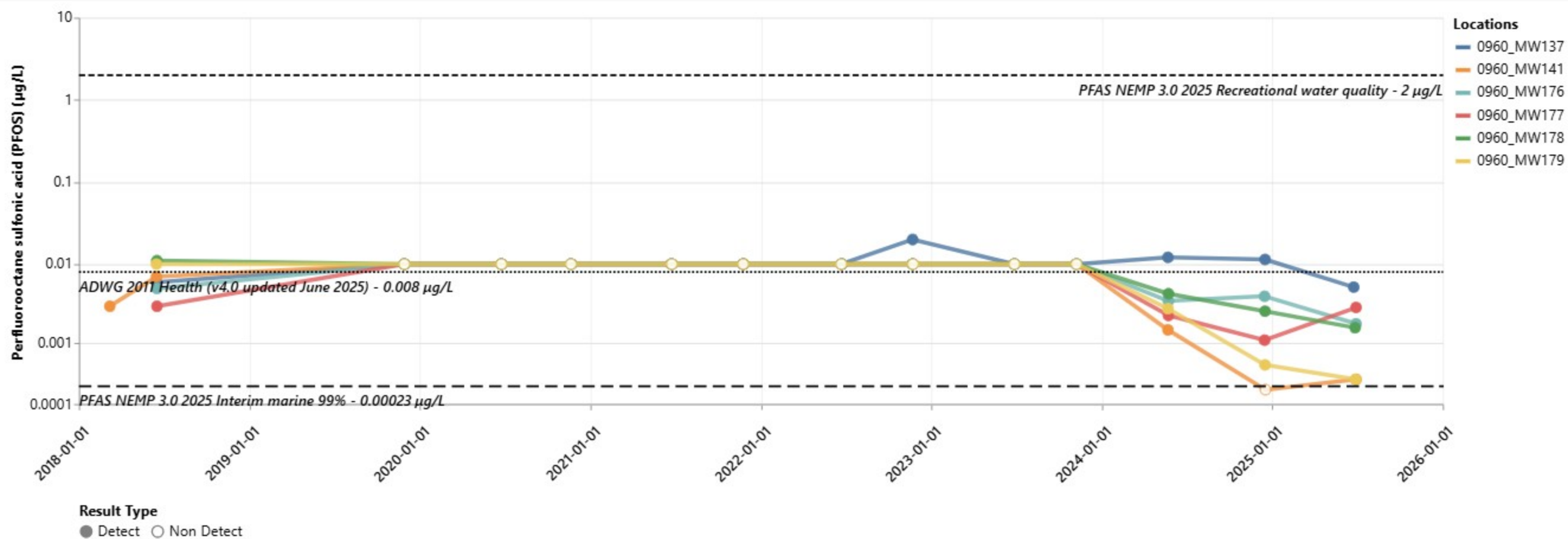


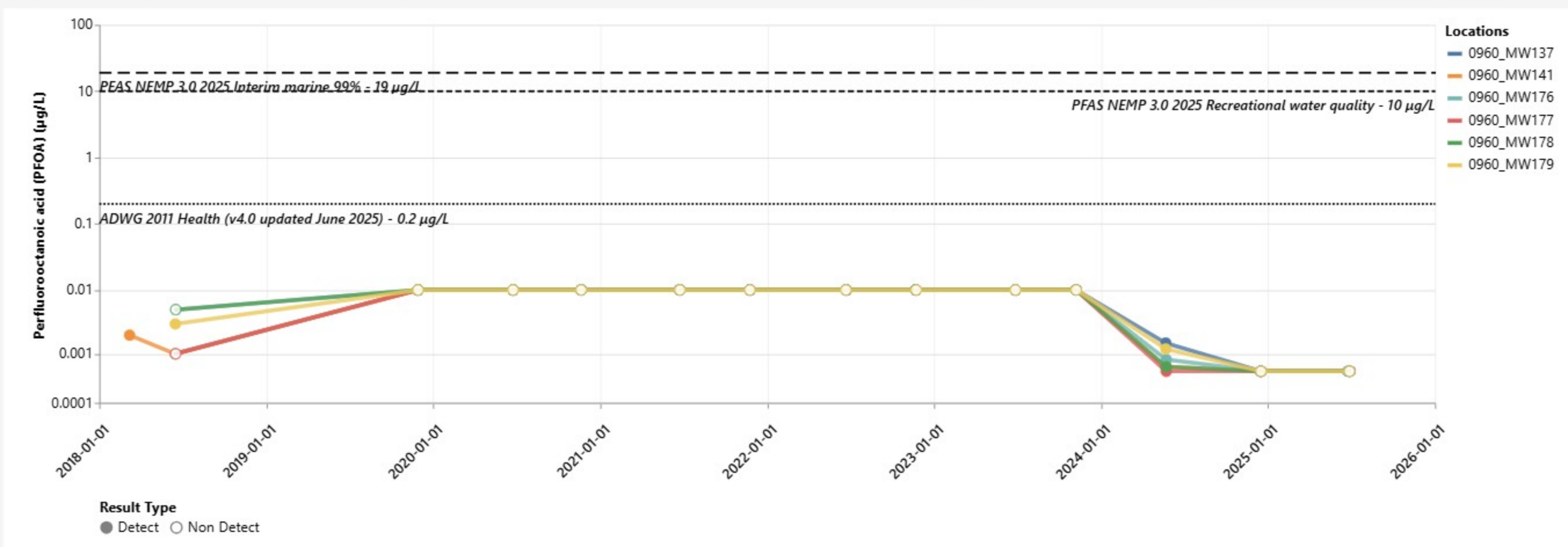




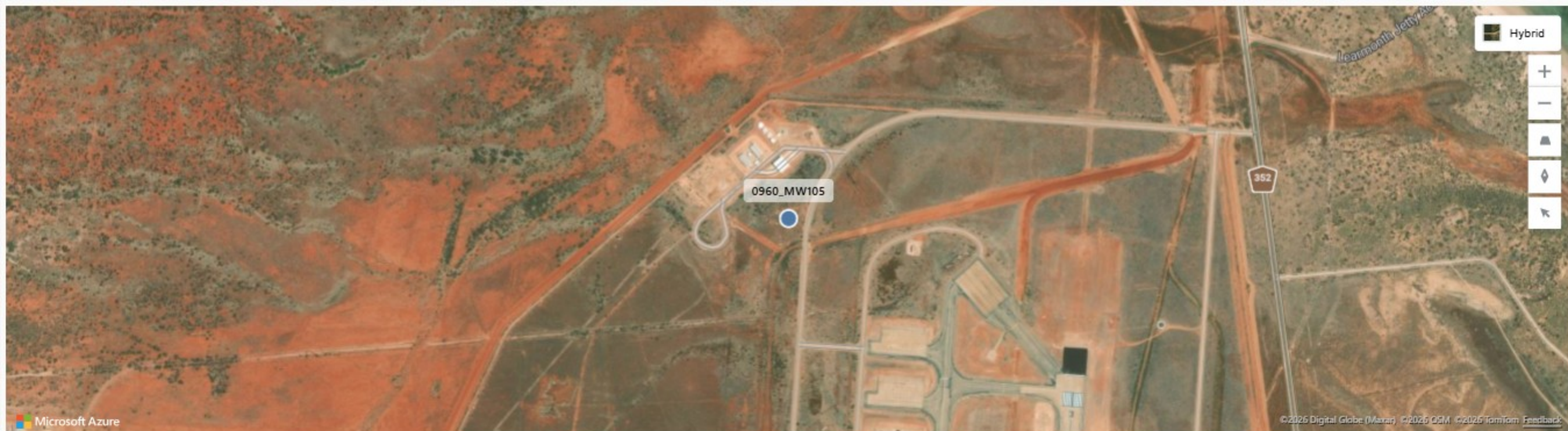








Time series graphs



Statistics

n: 14

Mann Kendall

S: 46

Z: 2.4772

Std Dev of S: 18.1659

Tabulated p-value: 0.0050

Approx p-value: 0.0066

OLS Regression

R-squared: 0.5102

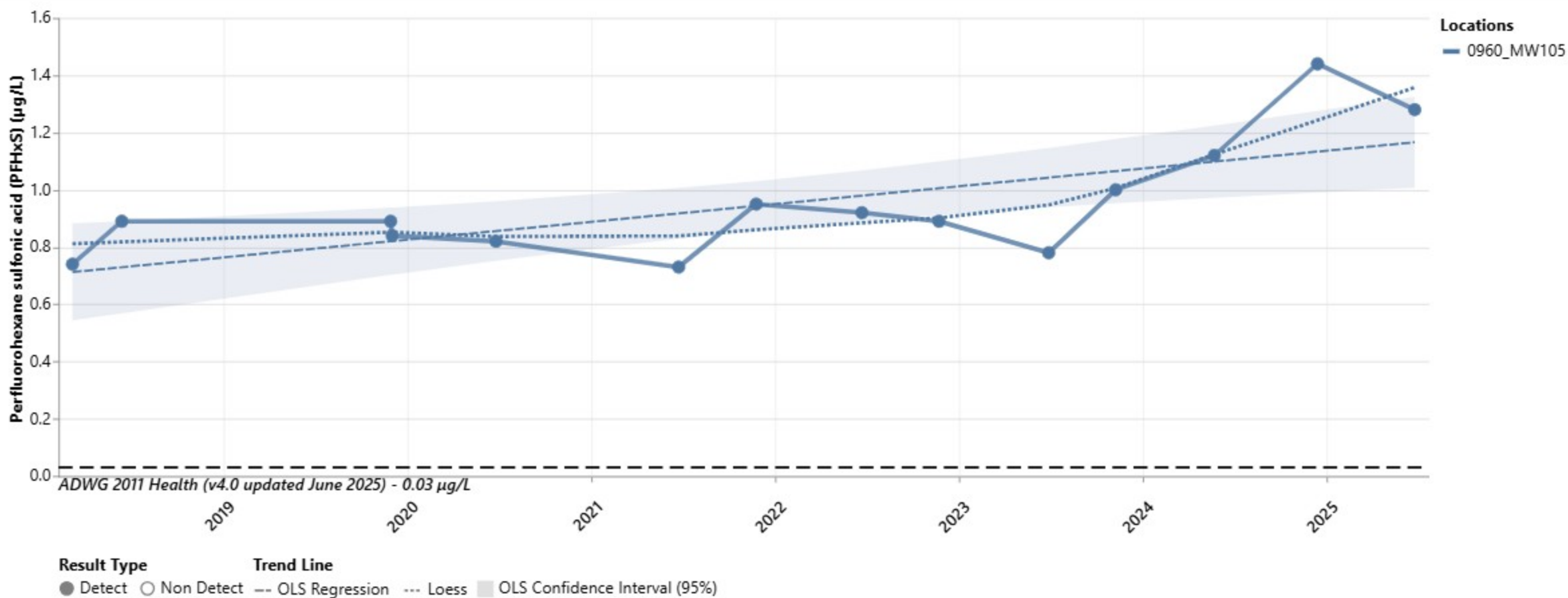
R: 0.7143

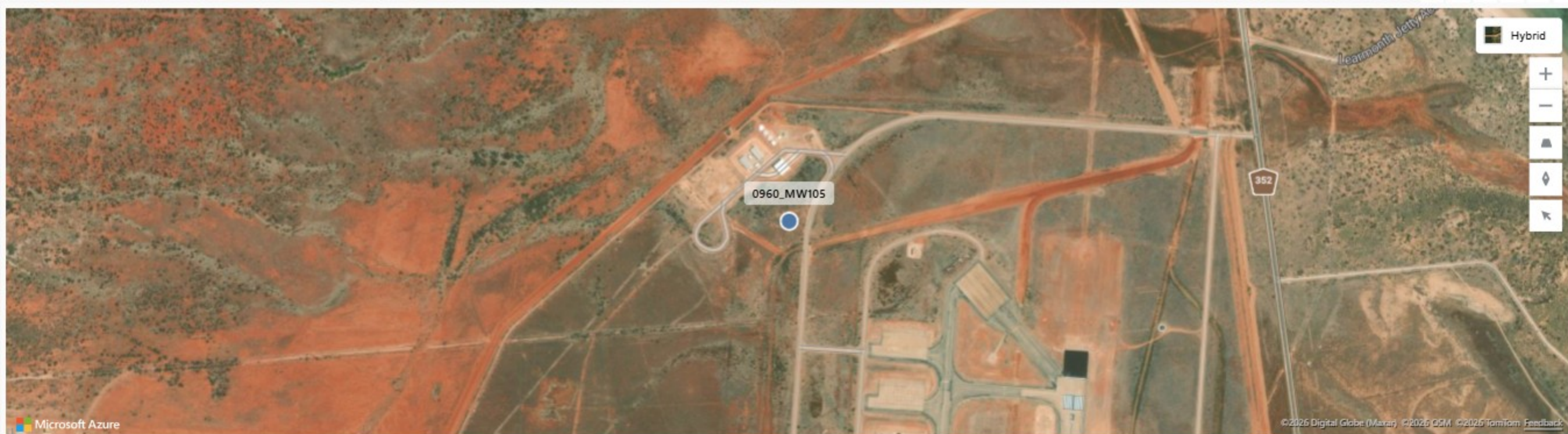
OLS Slope: 0.0002

OLS Intercept: 0.7126

Scale Estimate: 0.1488

P-value (Reg): 0.0041





Statistics

n: 14

Mann Kendall

S: 37

Z: 2.0114

Std Dev of S: 17.8979

Tabulated p-value: 0.0240

Approx p-value: 0.0221

OLS Regression

R-squared: 0.4524

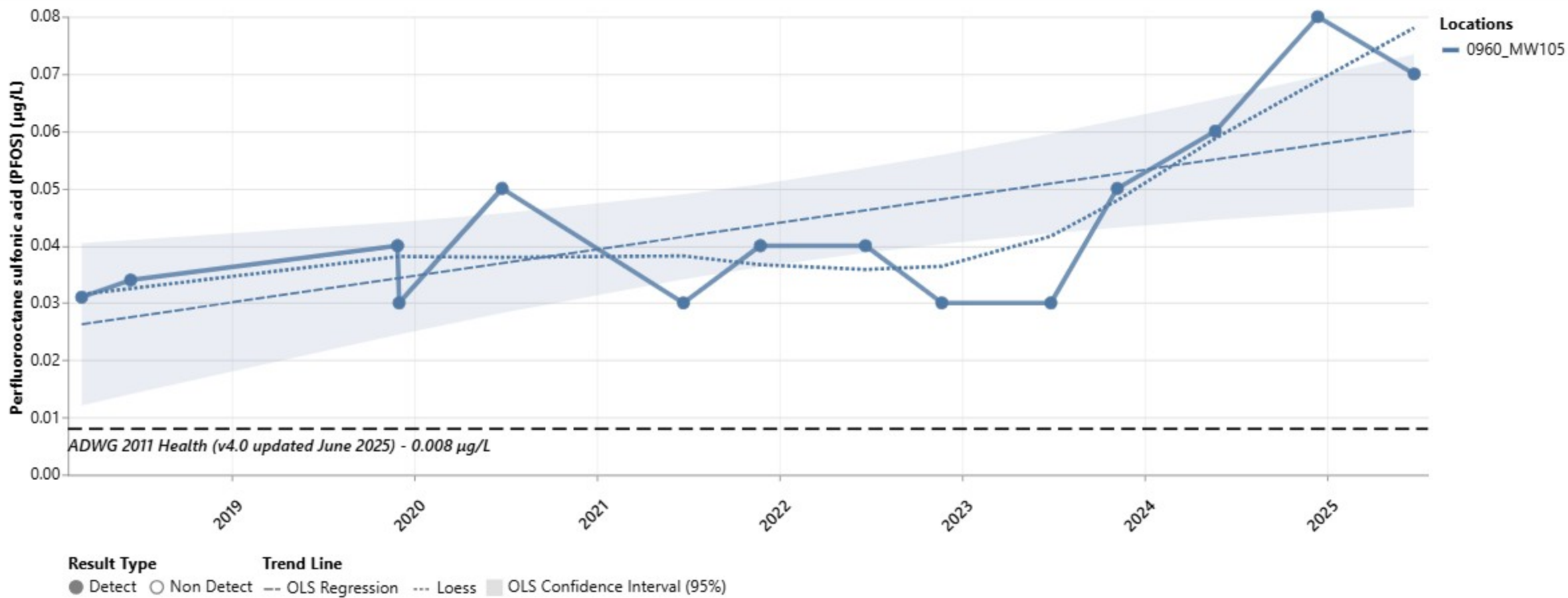
R: 0.6726

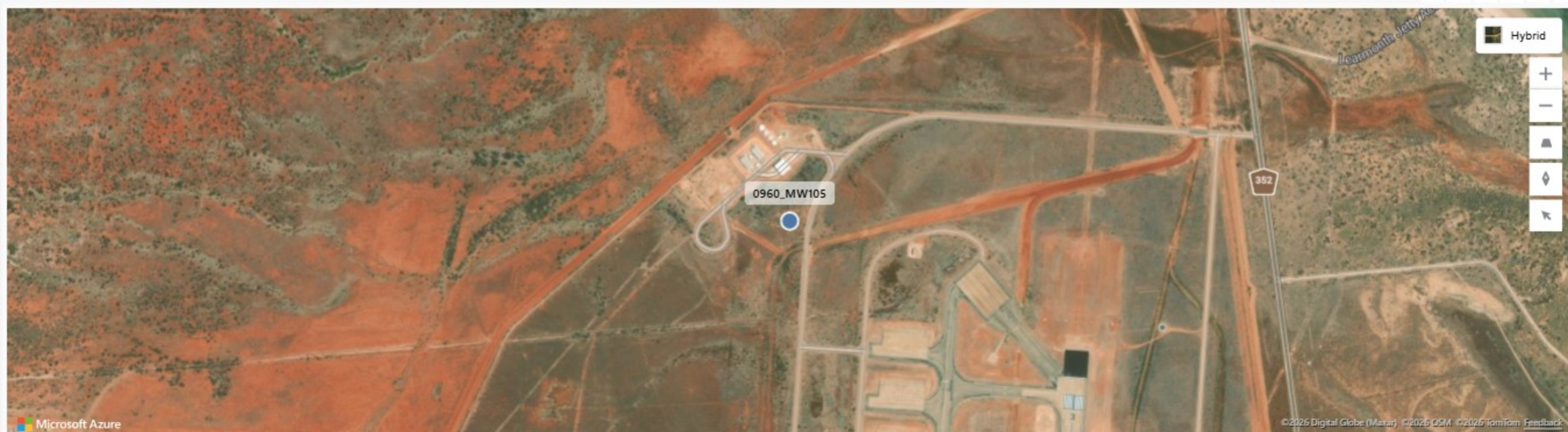
OLS Slope: 0.0000

OLS Intercept: 0.0263

Scale Estimate: 0.0125

P-value (Reg): 0.0084





Statistics

n: 12

Mann Kendall

S: 33

Z: 2.1995

Std Dev of S: 14.5488

Tabulated p-value: 0.0100

Approx p-value: 0.0139

OLS Regression

R-squared: 0.5455

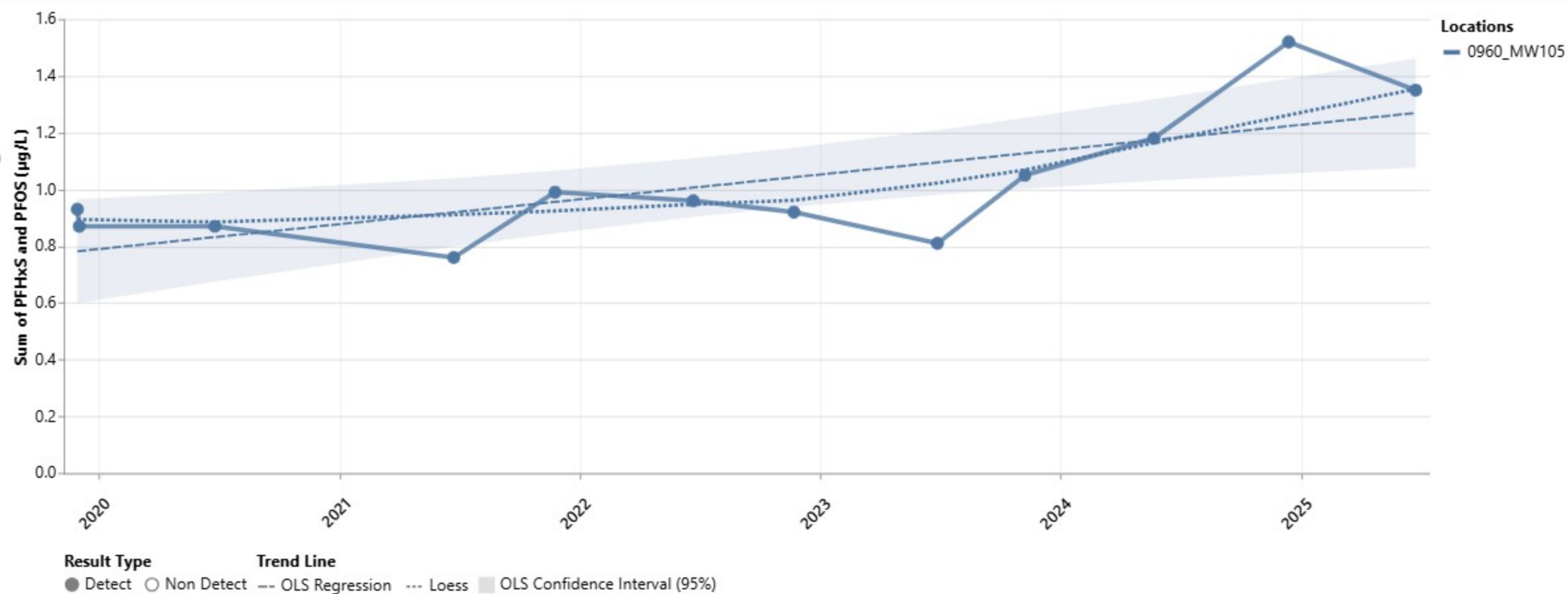
R: 0.7386

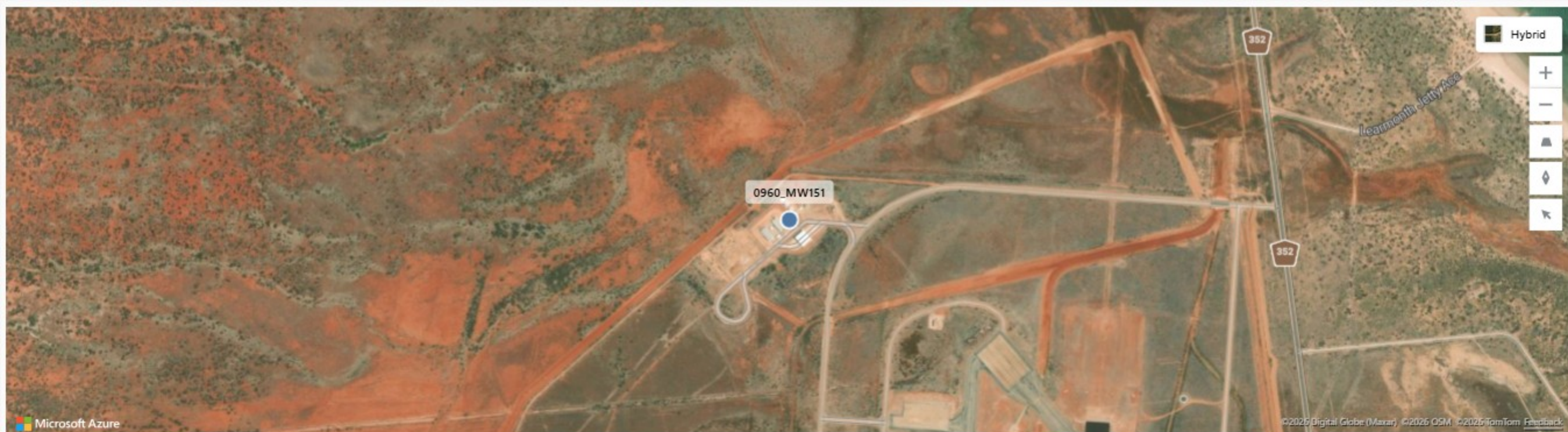
OLS Slope: 0.0002

OLS Intercept: 0.7818

Scale Estimate: 0.1602

P-value (Reg): 0.0061





Statistics

n: 13

Mann Kendall

S: -44

Z: -2.6234

Std Dev of S: 16.3911

Tabulated p-value: 0.0030

Approx p-value: 0.0044

OLS Regression

R-squared: 0.5940

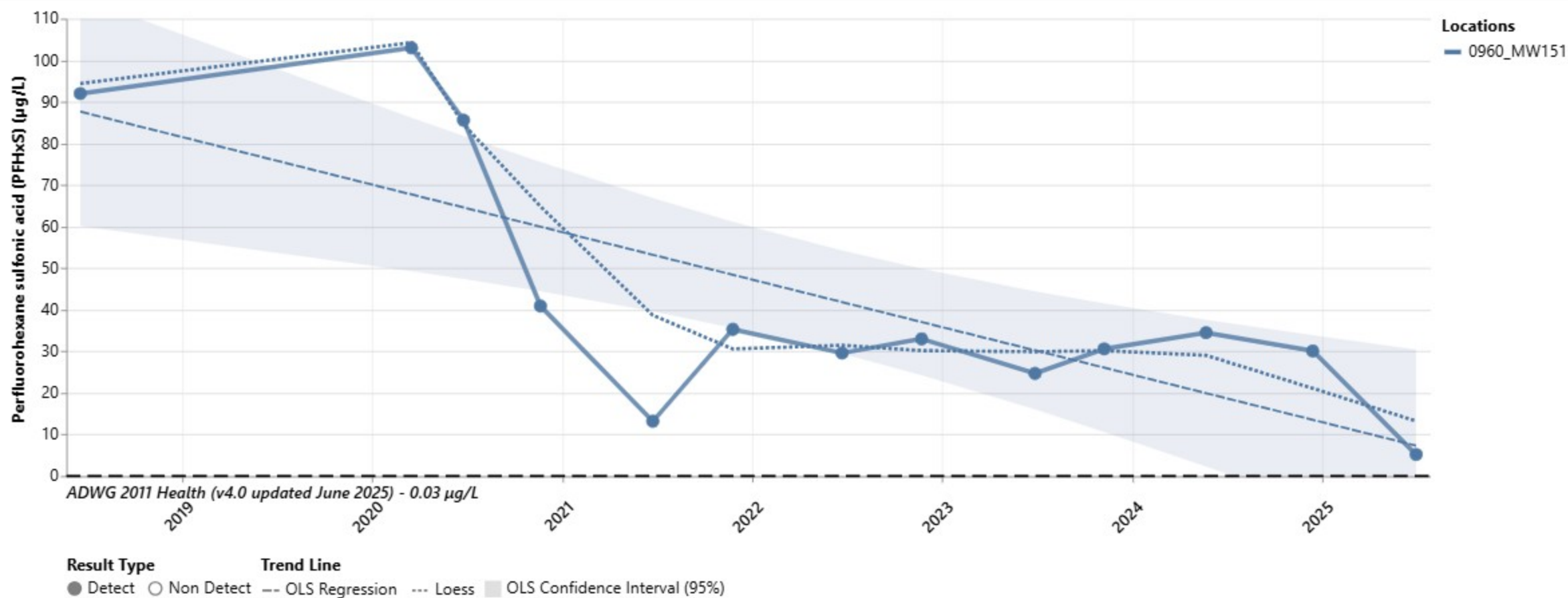
R: -0.7707

OLS Slope: -0.0313

OLS Intercept: 87.6642

Scale Estimate: 20.3353

P-value (Reg): 0.0020





Statistics

n: 13

Mann Kendall

S: -47

Z: -2.8116

Std Dev of S: 16.3605

Tabulated p-value: 0.0010

Approx p-value: 0.0025

OLS Regression

R-squared: 0.5475

R: -0.7399

OLS Slope: -0.0017

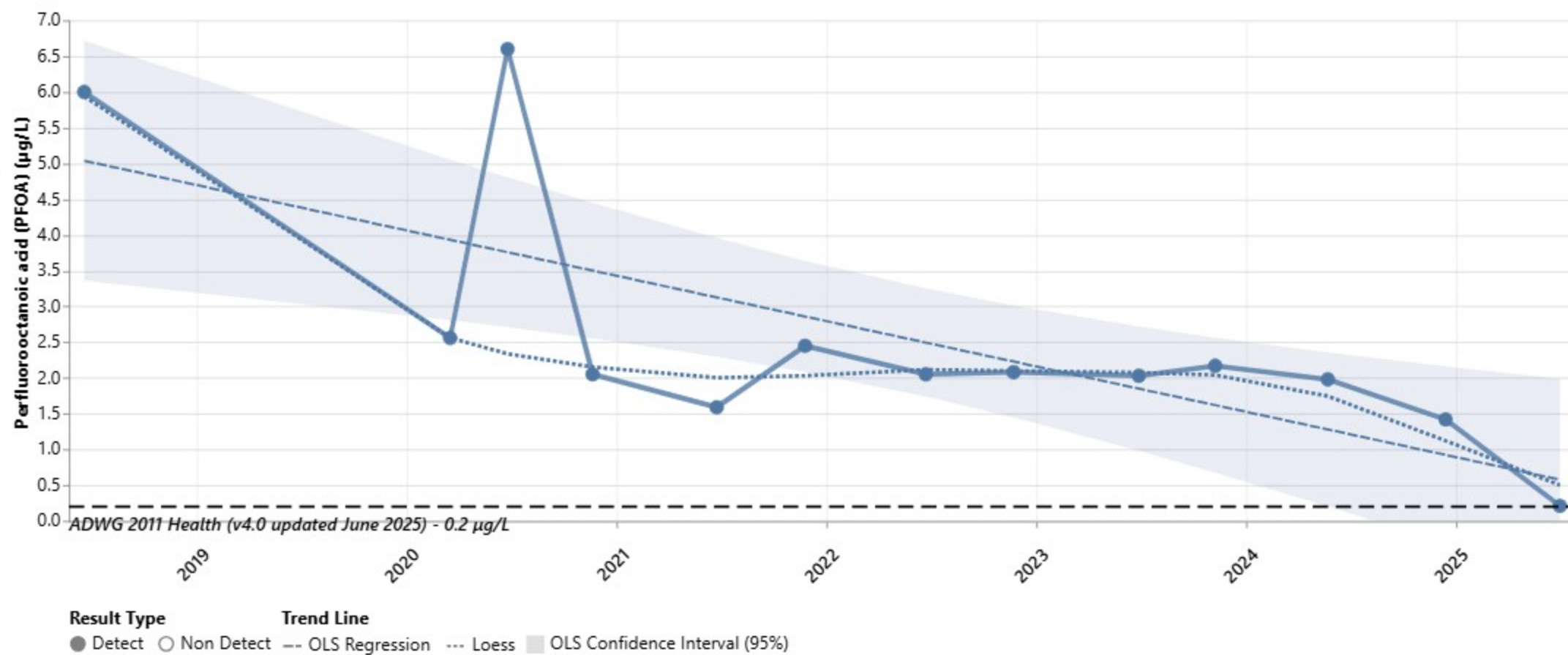
OLS Intercept: 5.0379

Scale Estimate: 1.2412

P-value (Reg): 0.0038

Locations

0960_MW151





Statistics

n: 13

Mann Kendall

S: -52

Z: -3.1115

Std Dev of S: 16.3911

Tabulated p-value: 0.0000

Approx p-value: 0.0009

OLS Regression

R-squared: 0.4664

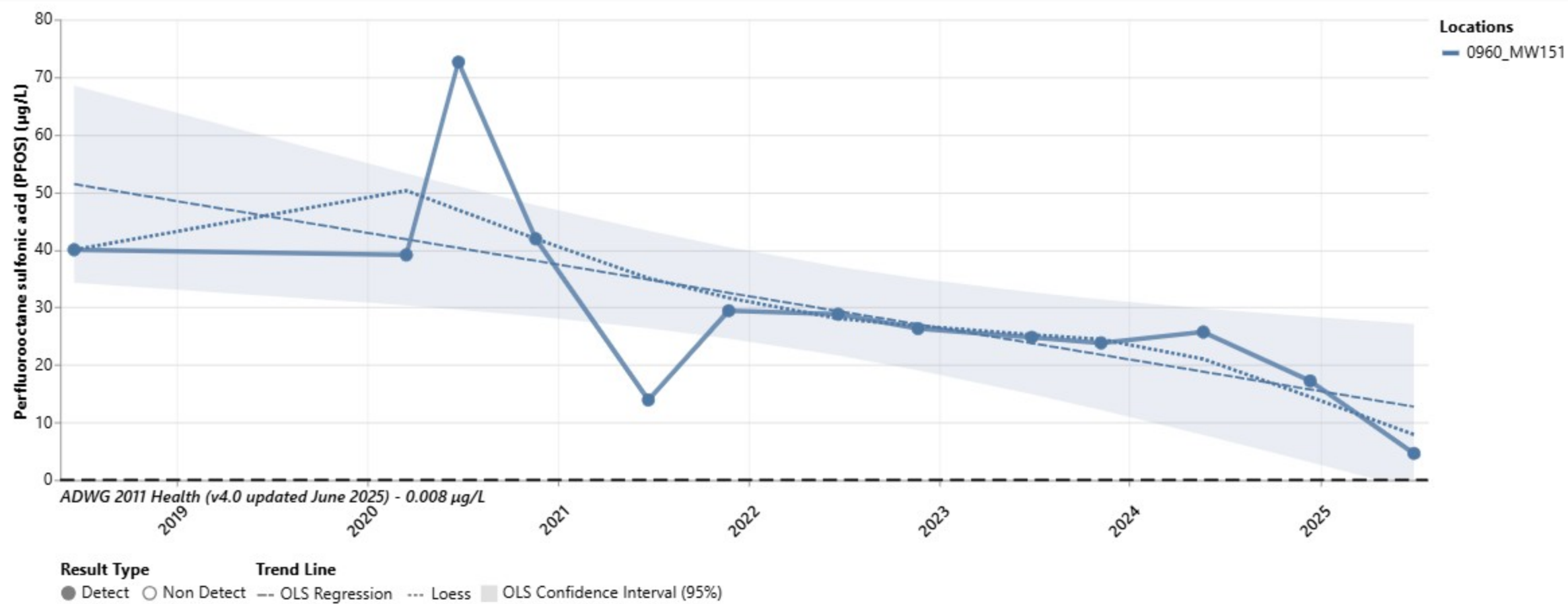
R: -0.6829

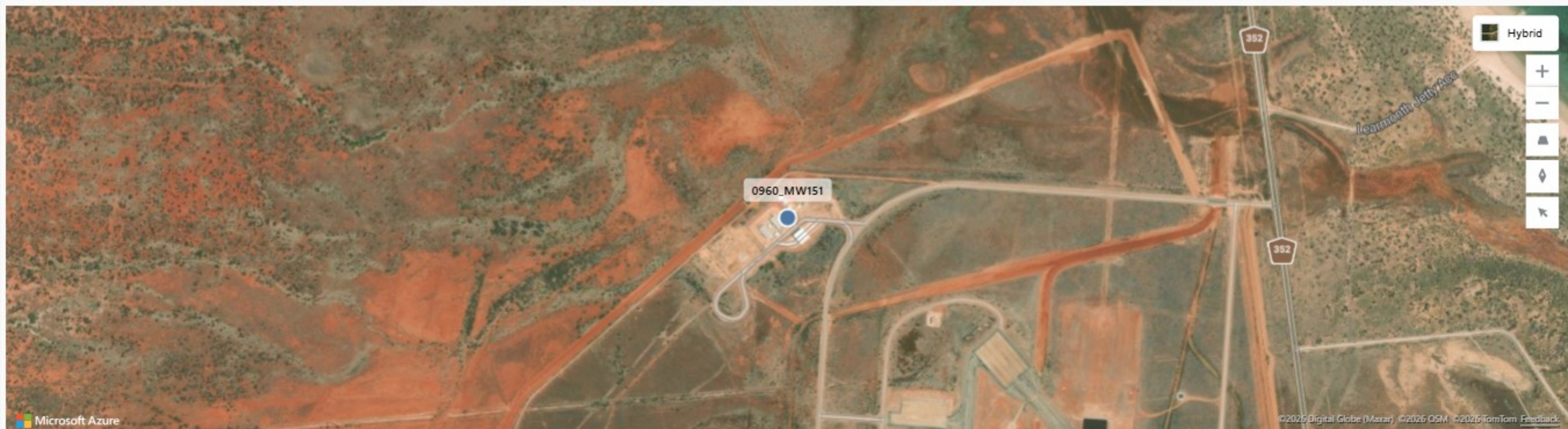
OLS Slope: -0.0151

OLS Intercept: 51.4034

Scale Estimate: 12.6637

P-value (Reg): 0.0101





Statistics

n: 13

Mann Kendall

S: -46

Z: -2.7454

Std Dev of S: 16.3911

Tabulated p-value: 0.0020

Approx p-value: 0.0030

OLS Regression

R-squared: 0.6062

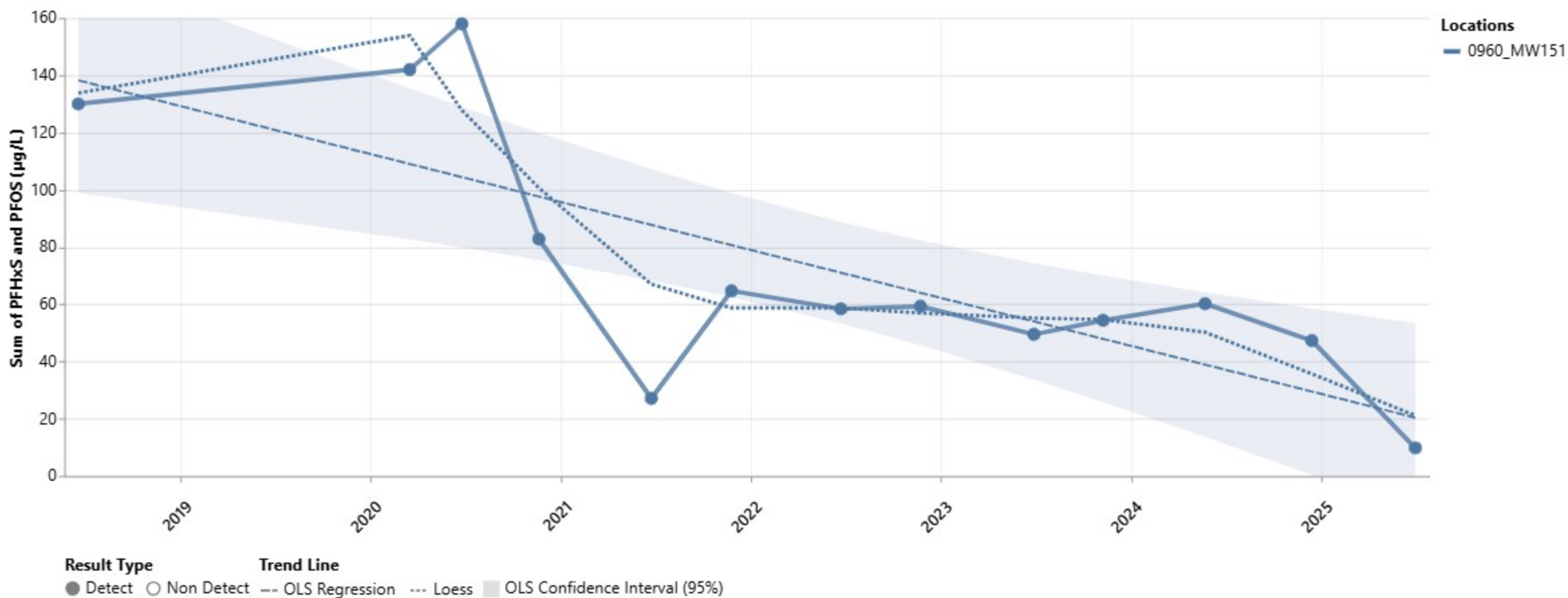
R: -0.7786

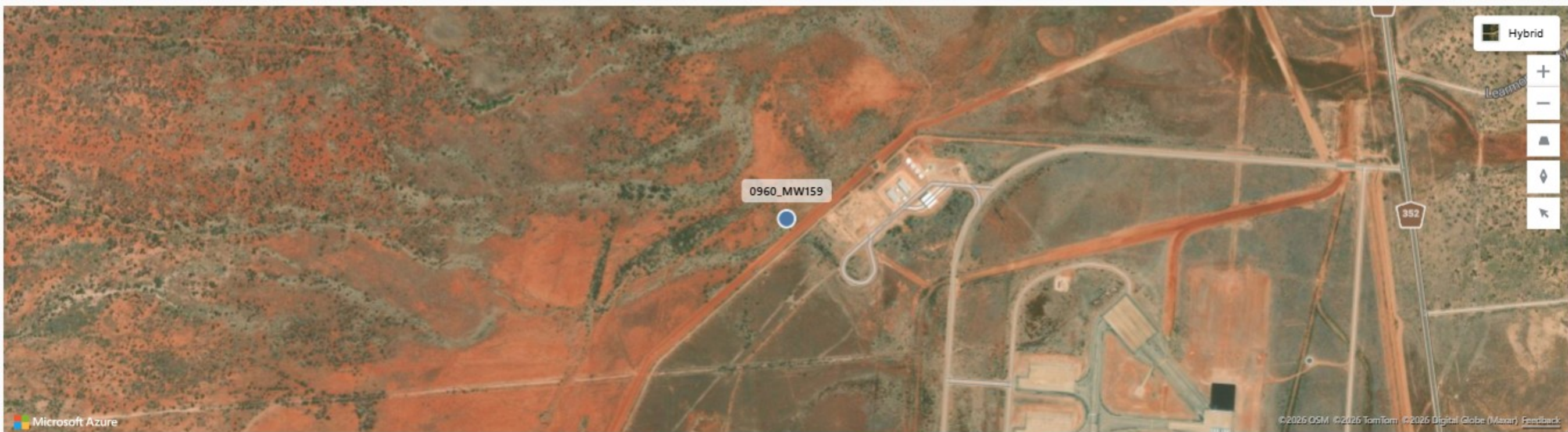
OLS Slope: -0.0459

OLS Intercept: 138.2425

Scale Estimate: 29.0798

P-value (Reg): 0.0017





Statistics

n: 13

Mann Kendall

S: -21

Z: -1.6686

Std Dev of S: 11.9861

Tabulated p-value: 0.1020

Approx p-value: 0.0476

OLS Regression

R-squared: 0.0707

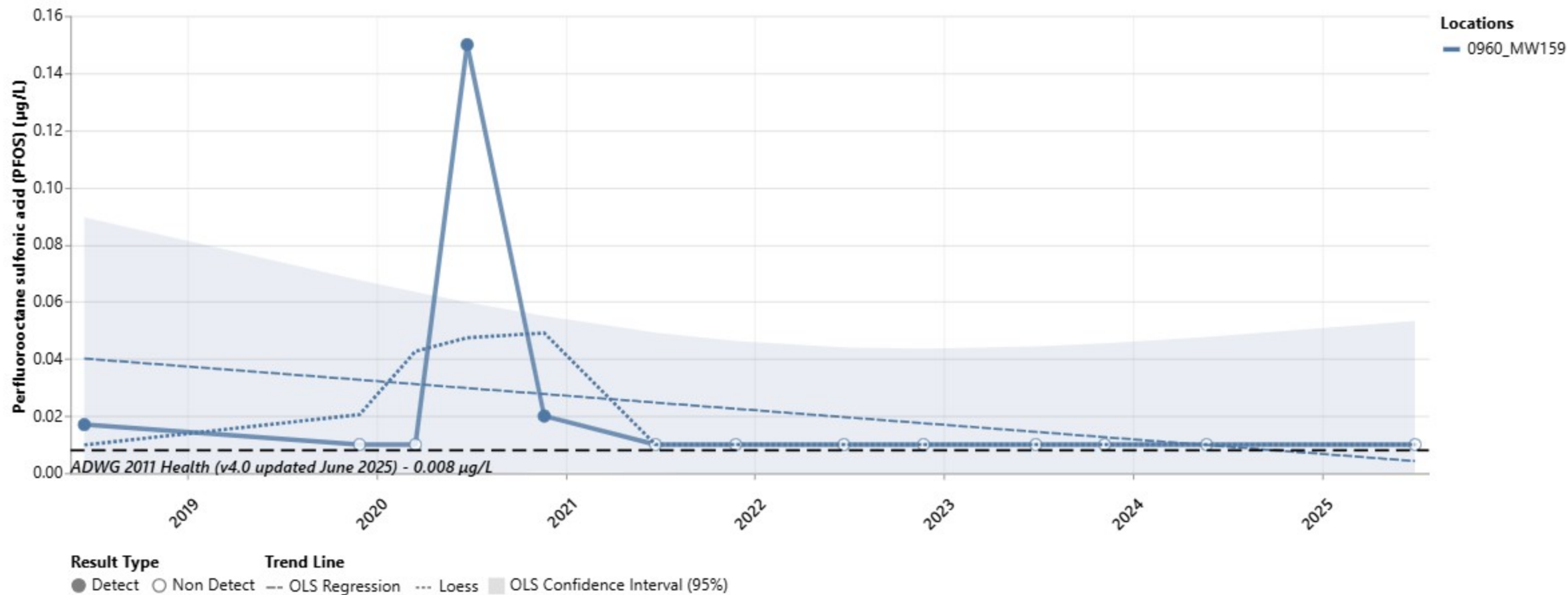
R: -0.2659

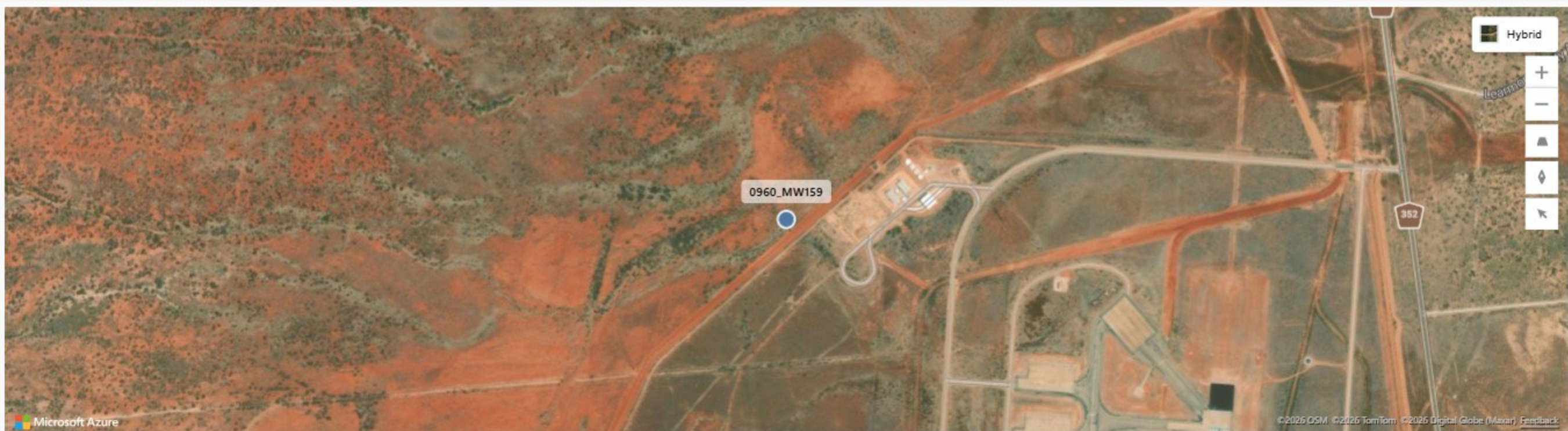
OLS Slope: 0.0000

OLS Intercept: 0.0401

Scale Estimate: 0.0388

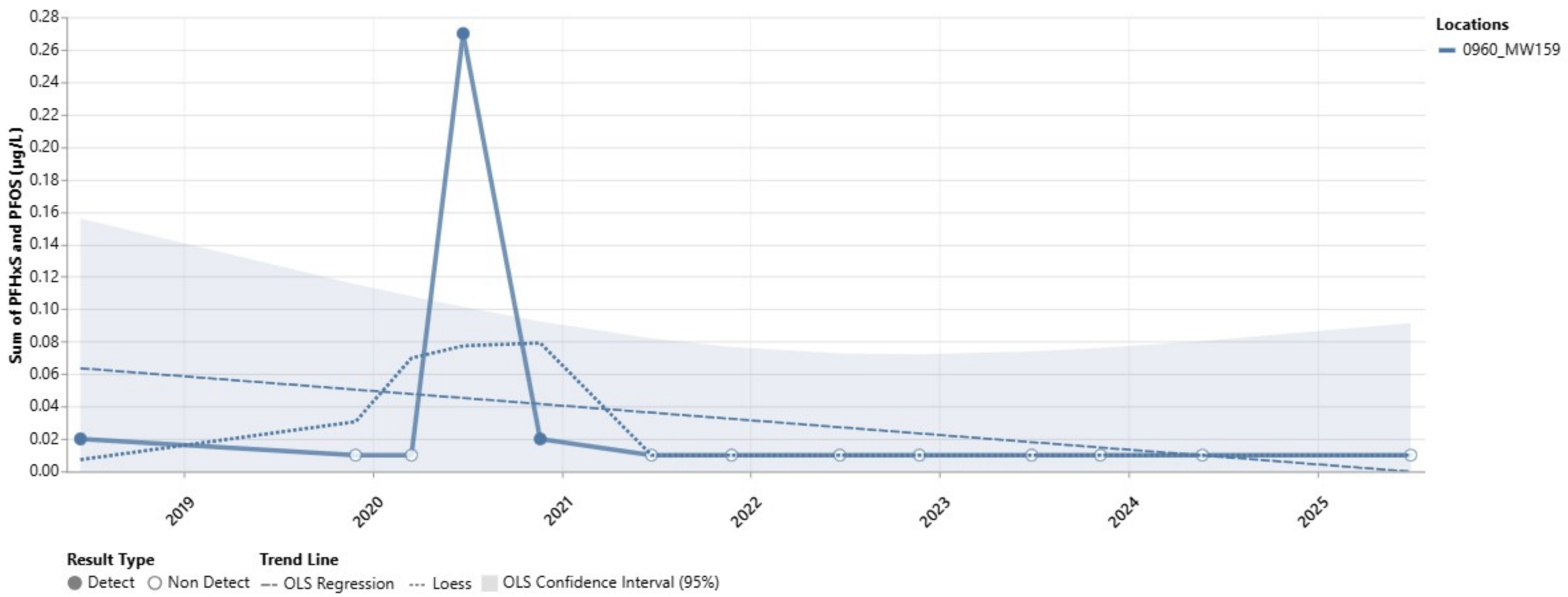
P-value (Reg): 0.3799





Statistics

n: 13
Mann Kendall
S: -22
Z: -1.7582
Std Dev of S: 11.9443
Tabulated p-value: 0.1020
Approx p-value: 0.0394
OLS Regression
R-squared: 0.0645
R: -0.2539
OLS Slope: 0.0000
OLS Intercept: 0.0636
Scale Estimate: 0.0725
P-value (Reg): 0.4026





Statistics

n: 8

Mann Kendall

S: -18

Z: -2.1032

Std Dev of S: 8.0829

Tabulated p-value: 0.0160

Approx p-value: 0.0177

OLS Regression

R-squared: 0.7177

R: -0.8472

OLS Slope: -0.0277

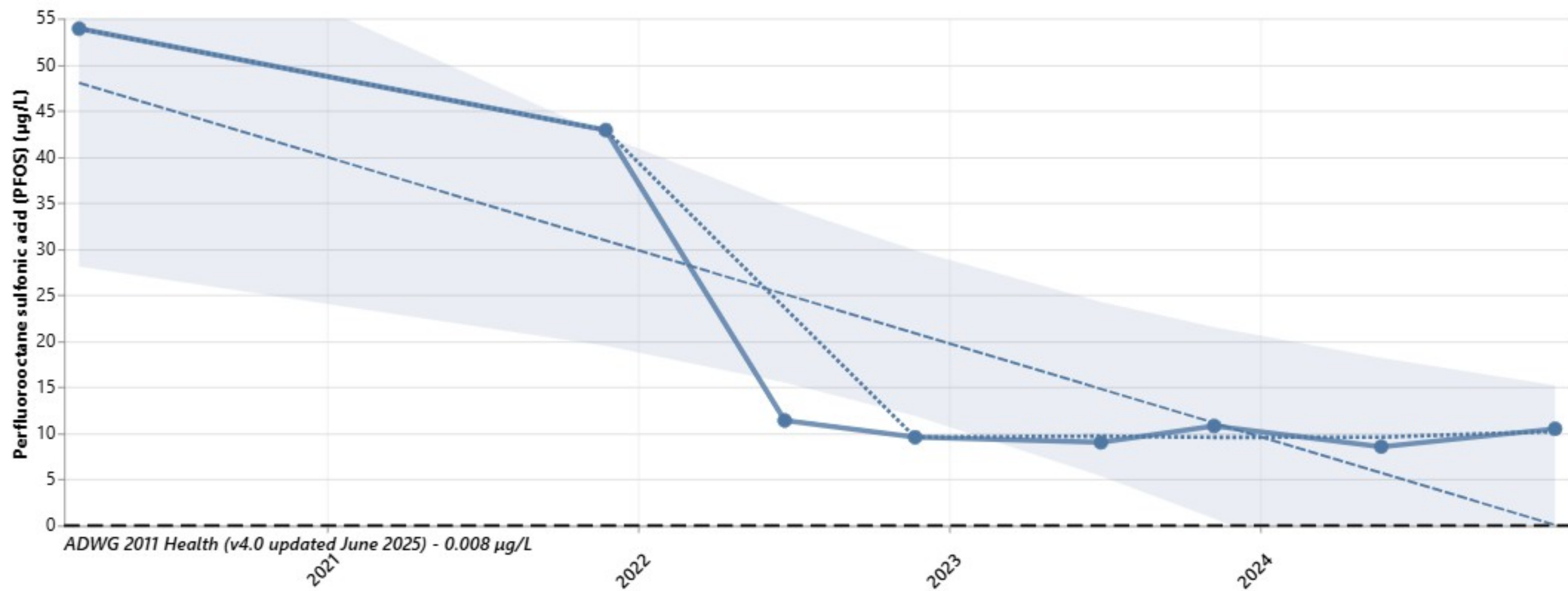
OLS Intercept: 48.0338

Scale Estimate: 10.3589

P-value (Reg): 0.0079

Locations

0960_MW238



Result Type

● Detect ○ Non Detect

Trend Line

--- OLS Regression --- Loess

■ OLS Confidence Interval (95%)



Statistics

n: 13

Mann Kendall

S: -22

Z: -1.2812

Std Dev of S: 16.3911

Tabulated p-value: 0.1020

Approx p-value: 0.1001

OLS Regression

R-squared: 0.0899

R: -0.2999

OLS Slope: -0.0002

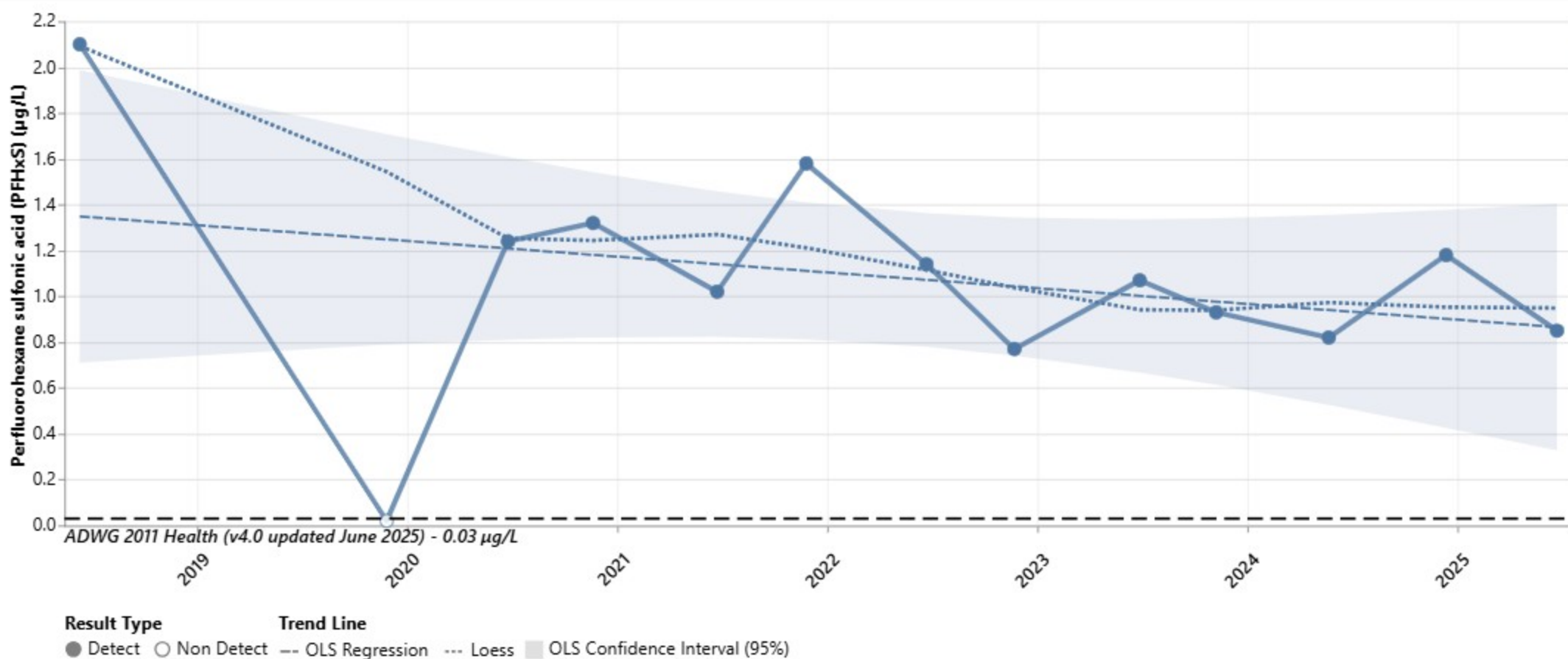
OLS Intercept: 1.3490

Scale Estimate: 0.4773

P-value (Reg): 0.3195

Locations

0960_MW018





Statistics

n: 13

Mann Kendall

S: 47

Z: 2.8222

Std Dev of S: 16.2993

Tabulated p-value: 0.0010

Approx p-value: 0.0024

OLS Regression

R-squared: 0.3349

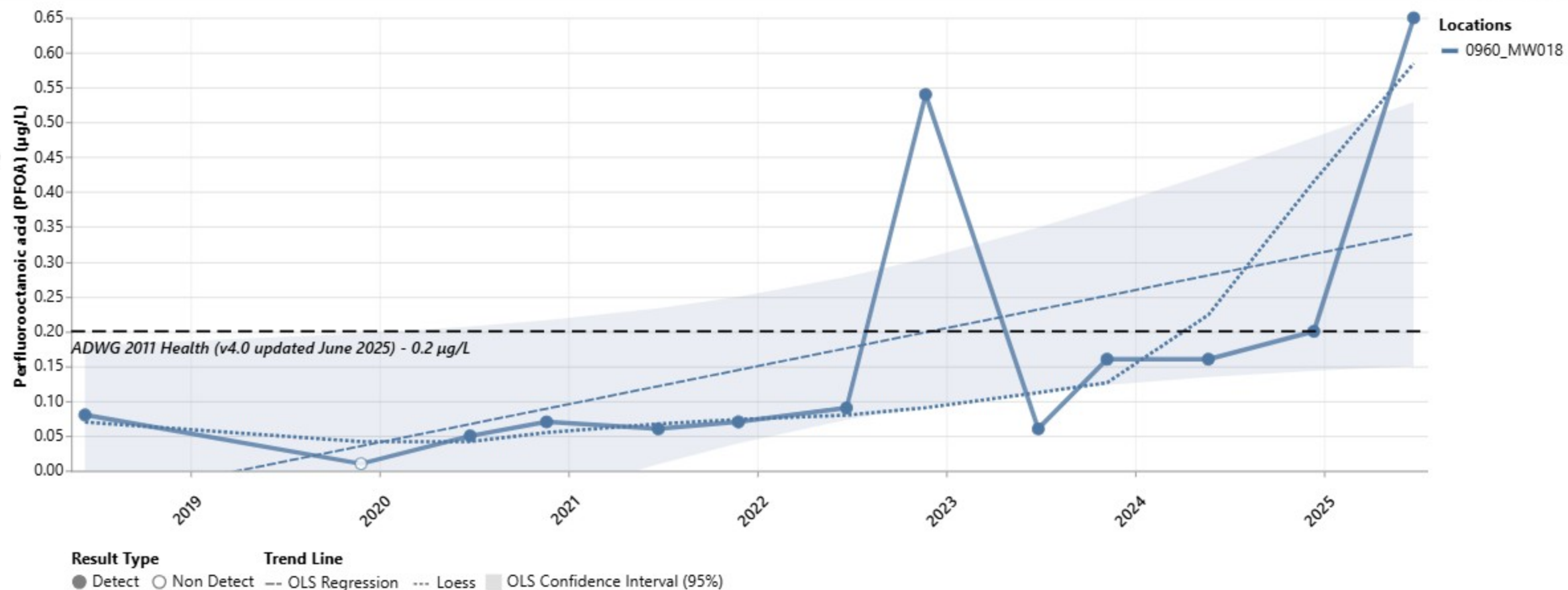
R: 0.5787

OLS Slope: 0.0001

OLS Intercept: -0.0446

Scale Estimate: 0.1681

P-value (Reg): 0.0382





Statistics

n: 12

Mann Kendall

S: 26

Z: 1.7143

Std Dev of S: 14.5831

Tabulated p-value: 0.0430

Approx p-value: 0.0432

OLS Regression

R-squared: 0.3477

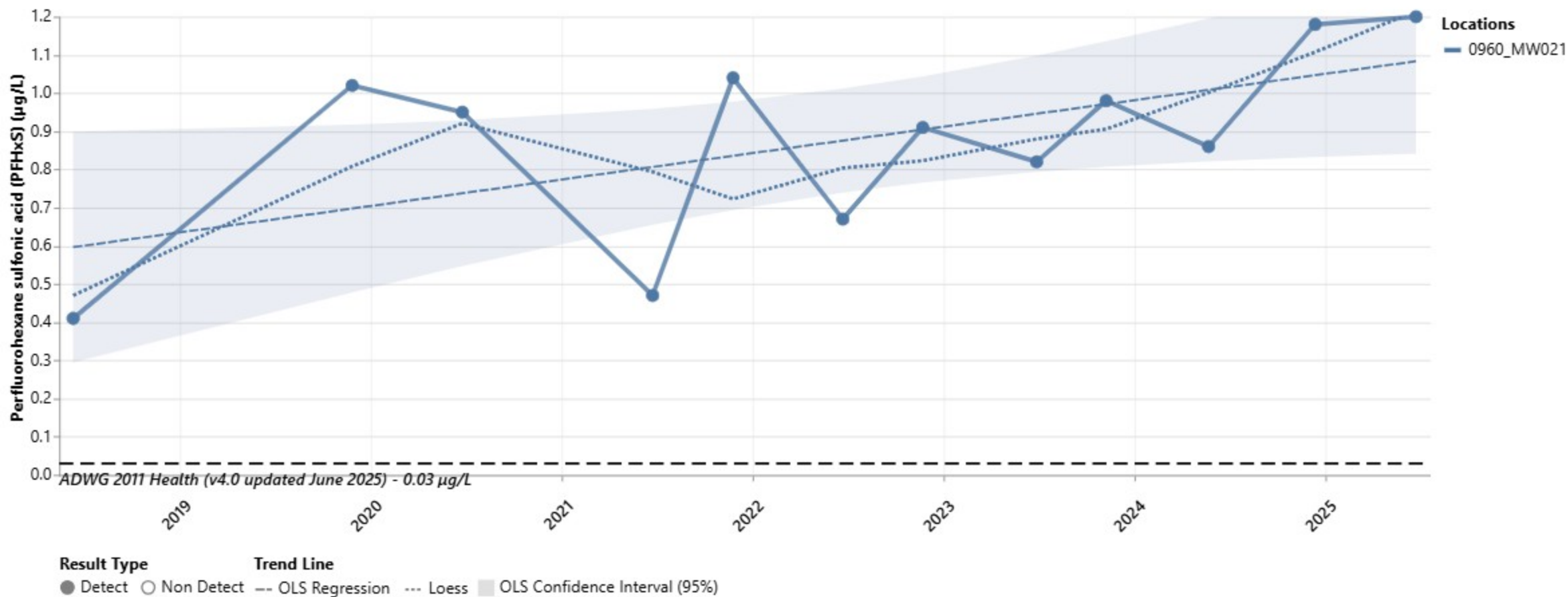
R: 0.5896

OLS Slope: 0.0002

OLS Intercept: 0.5965

Scale Estimate: 0.2122

P-value (Reg): 0.0436



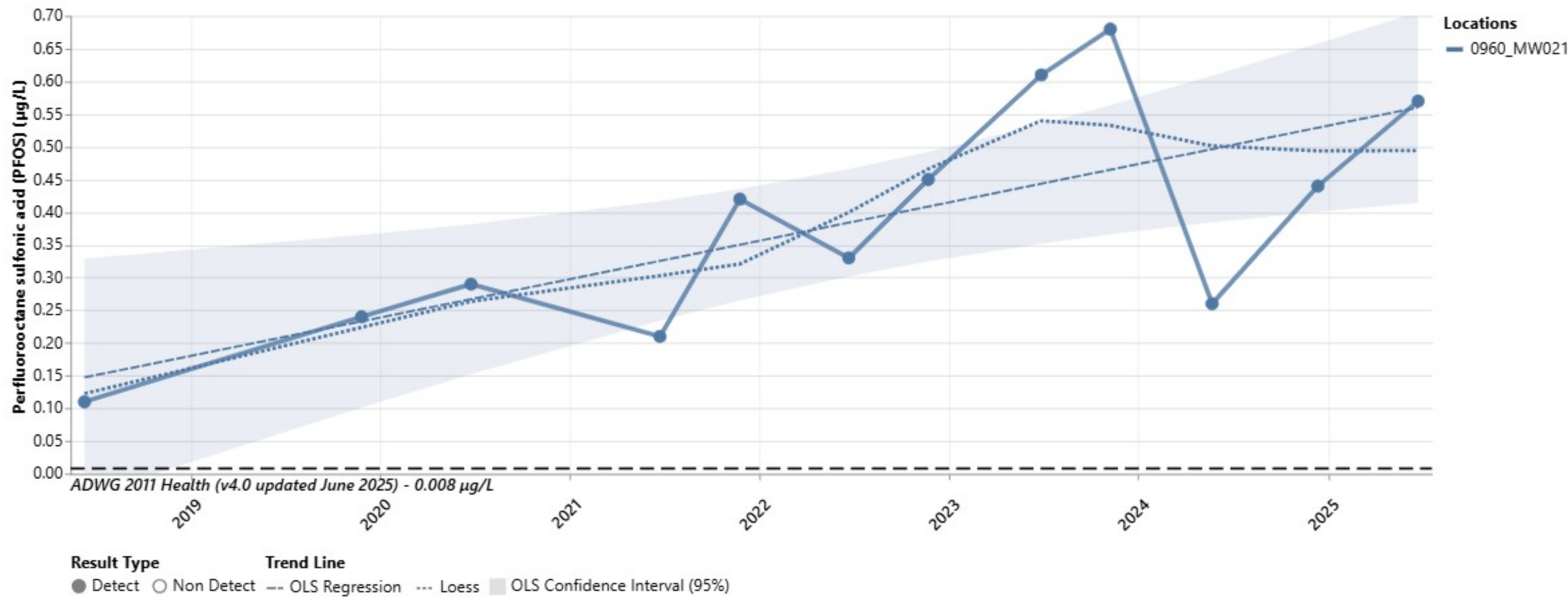


Statistics

n: 12
Mann Kendall
S: 38
Z: 2.5372
Std Dev of S: 14.5831
Tabulated p-value: 0.0040
Approx p-value: 0.0056

OLS Regression

R-squared: 0.5147
R: 0.7174
OLS Slope: 0.0002
OLS Intercept: 0.1473
Scale Estimate: 0.1276
P-value (Reg): 0.0086





Statistics

n: 11

Mann Kendall

S: 25

Z: 1.8684

Std Dev of S: 12.8452

Tabulated p-value: 0.0300

Approx p-value: 0.0309

OLS Regression

R-squared: 0.3060

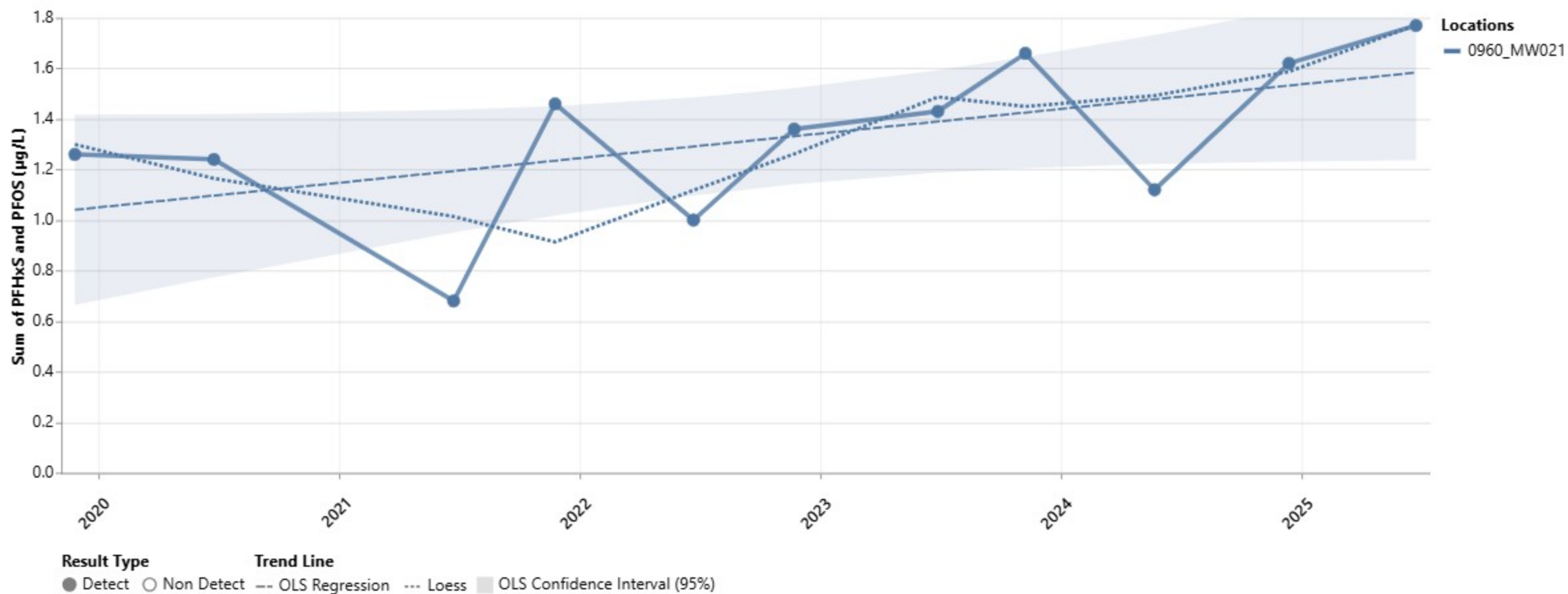
R: 0.5532

OLS Slope: 0.0003

OLS Intercept: 1.0407

Scale Estimate: 0.2781

P-value (Reg): 0.0775





Statistics

n: 12

Mann Kendall

S: -40

Z: -2.6870

Std Dev of S: 14.5144

Tabulated p-value: 0.0030

Approx p-value: 0.0036

OLS Regression

R-squared: 0.5031

R: -0.7093

OLS Slope: -0.0001

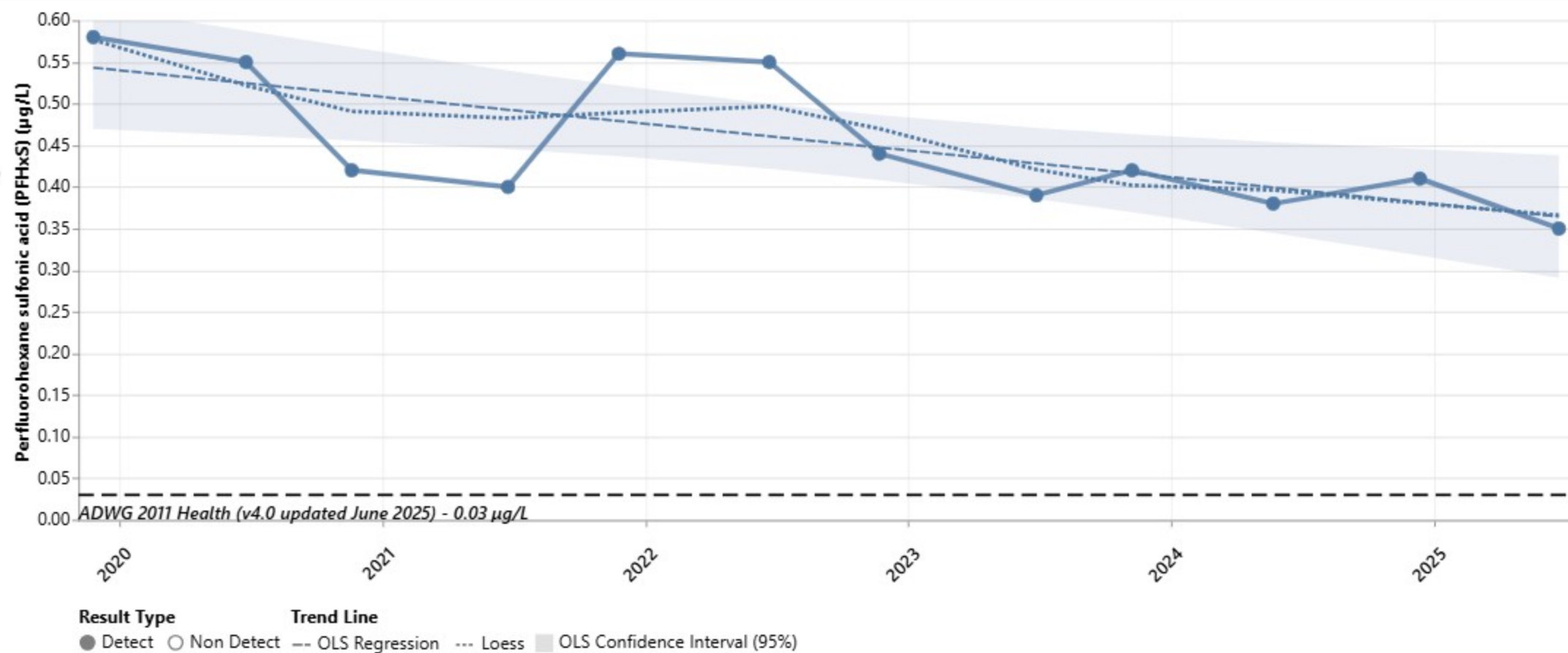
OLS Intercept: 0.5433

Scale Estimate: 0.0603

P-value (Reg): 0.0098

Locations

0960_MW112





Statistics

n: 12

Mann Kendall

S: -17

Z: -1.4626

Std Dev of S: 10.9392

Tabulated p-value: 0.1250

Approx p-value: 0.0718

OLS Regression

R-squared: 0.2726

R: -0.5221

OLS Slope: 0.0000

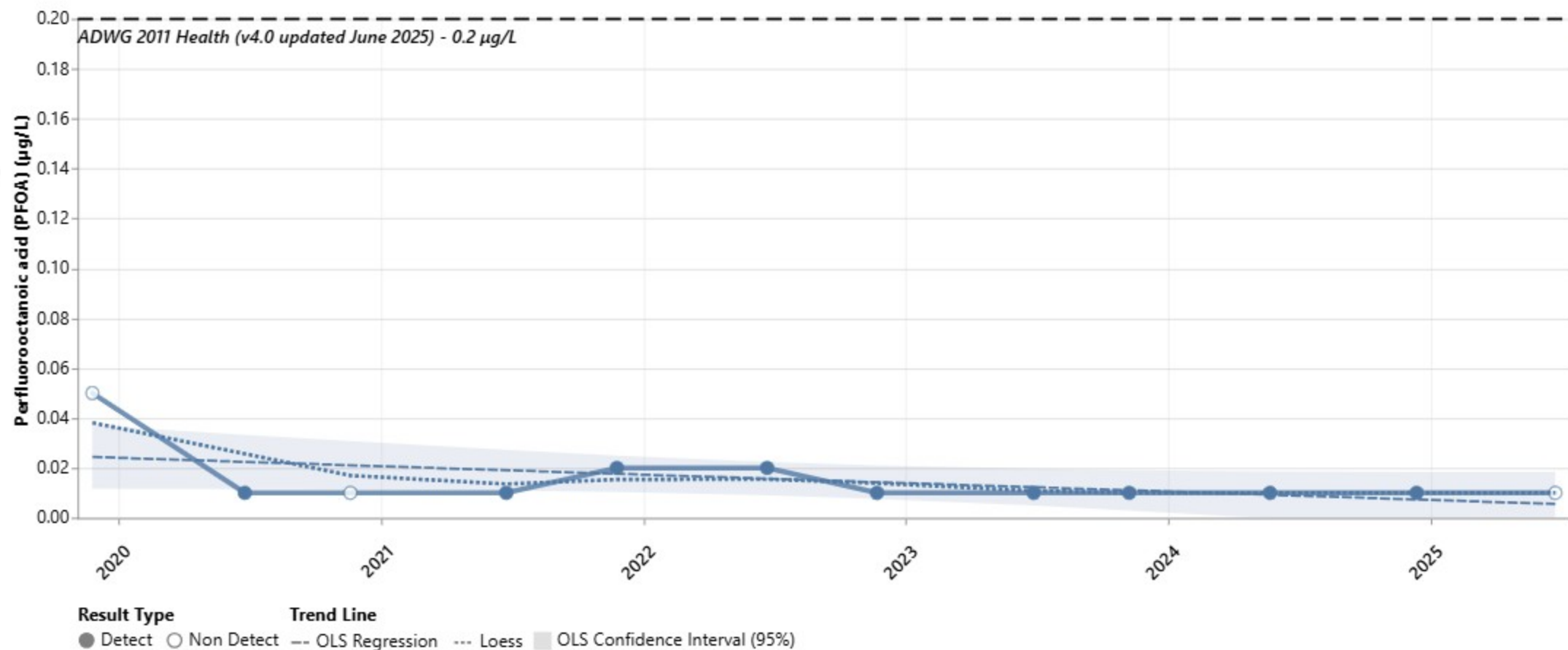
OLS Intercept: 0.0244

Scale Estimate: 0.0104

P-value (Reg): 0.0816

Locations

0960_MW112





Statistics

n: 12

Mann Kendall

S: -37

Z: -2.4744

Std Dev of S: 14.5488

Tabulated p-value: 0.0040

Approx p-value: 0.0067

OLS Regression

R-squared: 0.2922

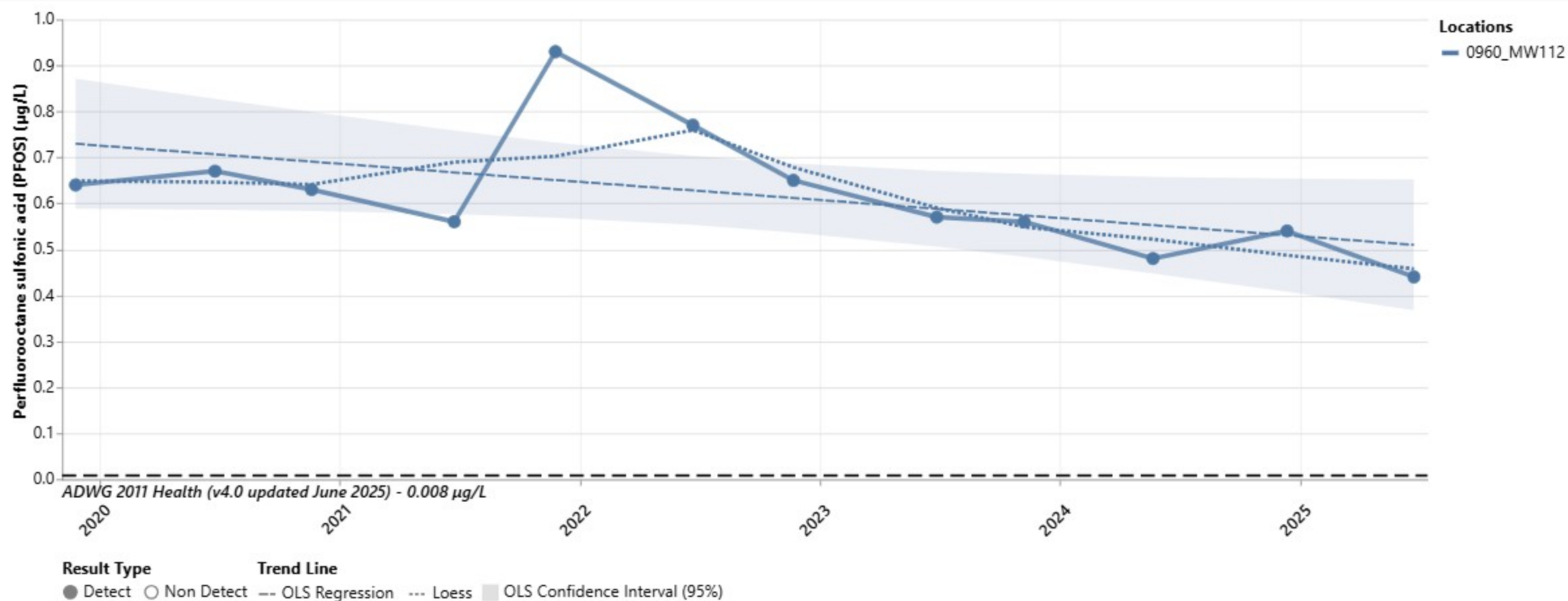
R: -0.5406

OLS Slope: -0.0001

OLS Intercept: 0.7296

Scale Estimate: 0.1161

P-value (Reg): 0.0696





Statistics

n: 12

Mann Kendall

S: -38

Z: -2.5492

Std Dev of S: 14.5144

Tabulated p-value: 0.0040

Approx p-value: 0.0054

OLS Regression

R-squared: 0.4038

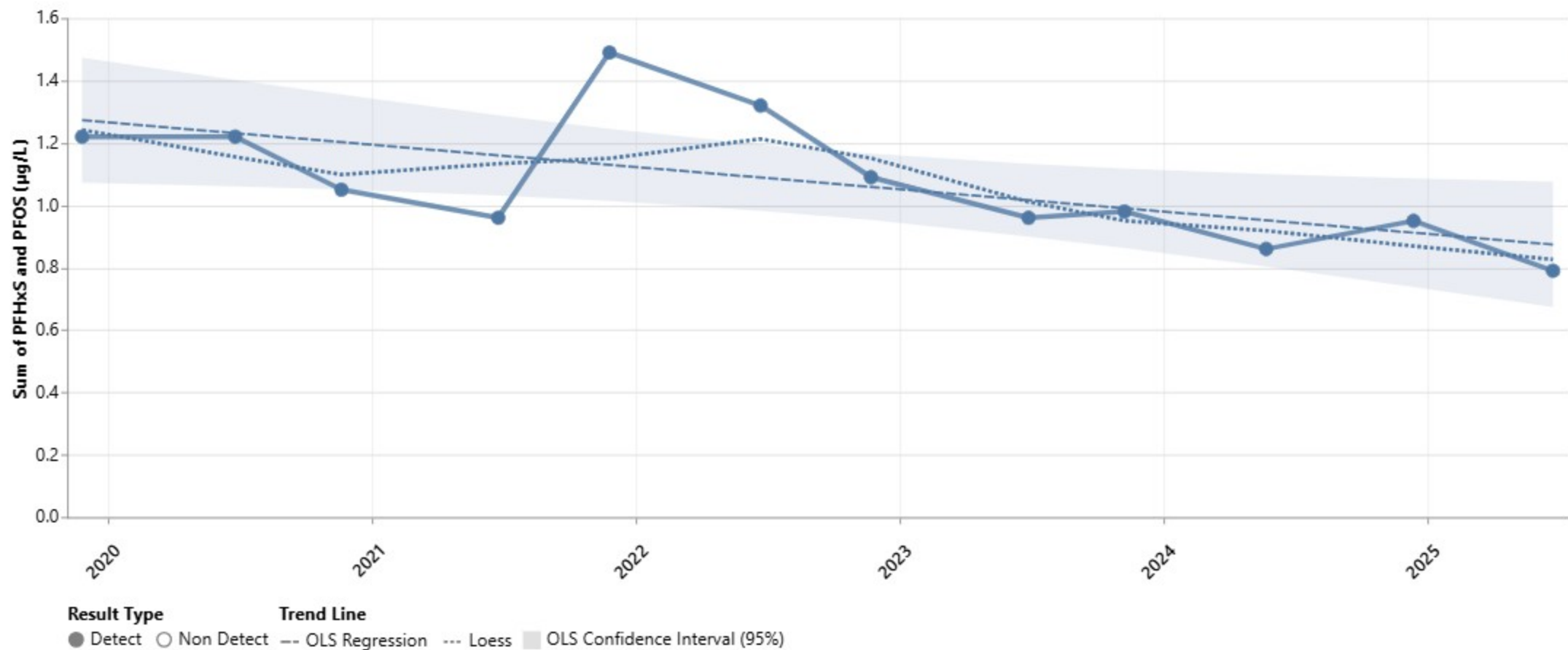
R: -0.6355

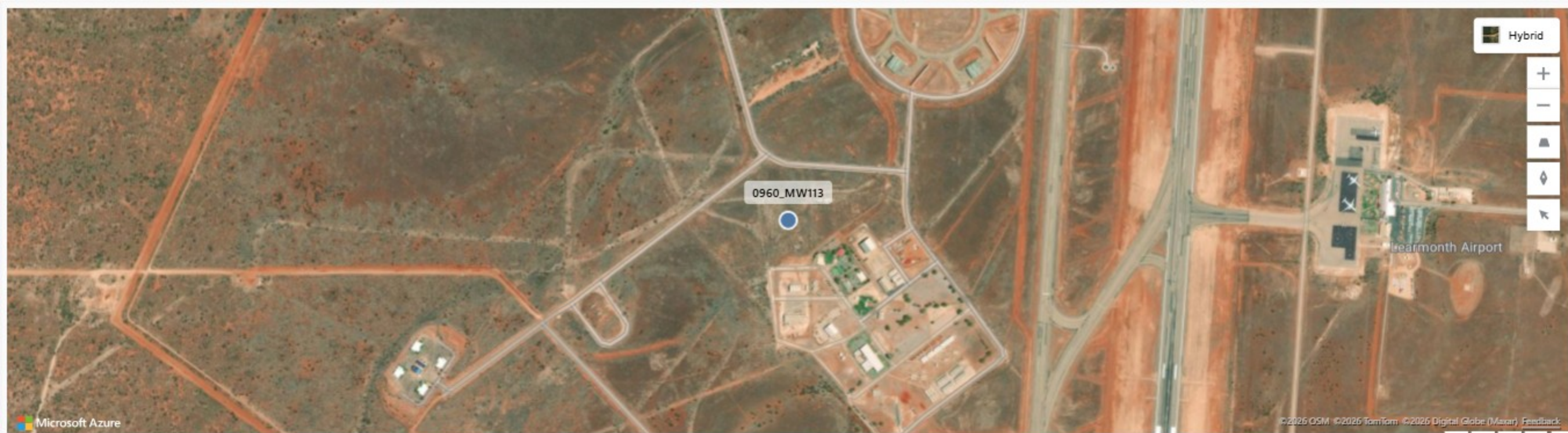
OLS Slope: -0.0002

OLS Intercept: 1.2729

Scale Estimate: 0.1645

P-value (Reg): 0.0264





Statistics

n: 13

Mann Kendall

S: 12

Z: 1.4699

Std Dev of S: 7.4833

Tabulated p-value: 0.2550

Approx p-value: 0.0708

OLS Regression

R-squared: 0.3157

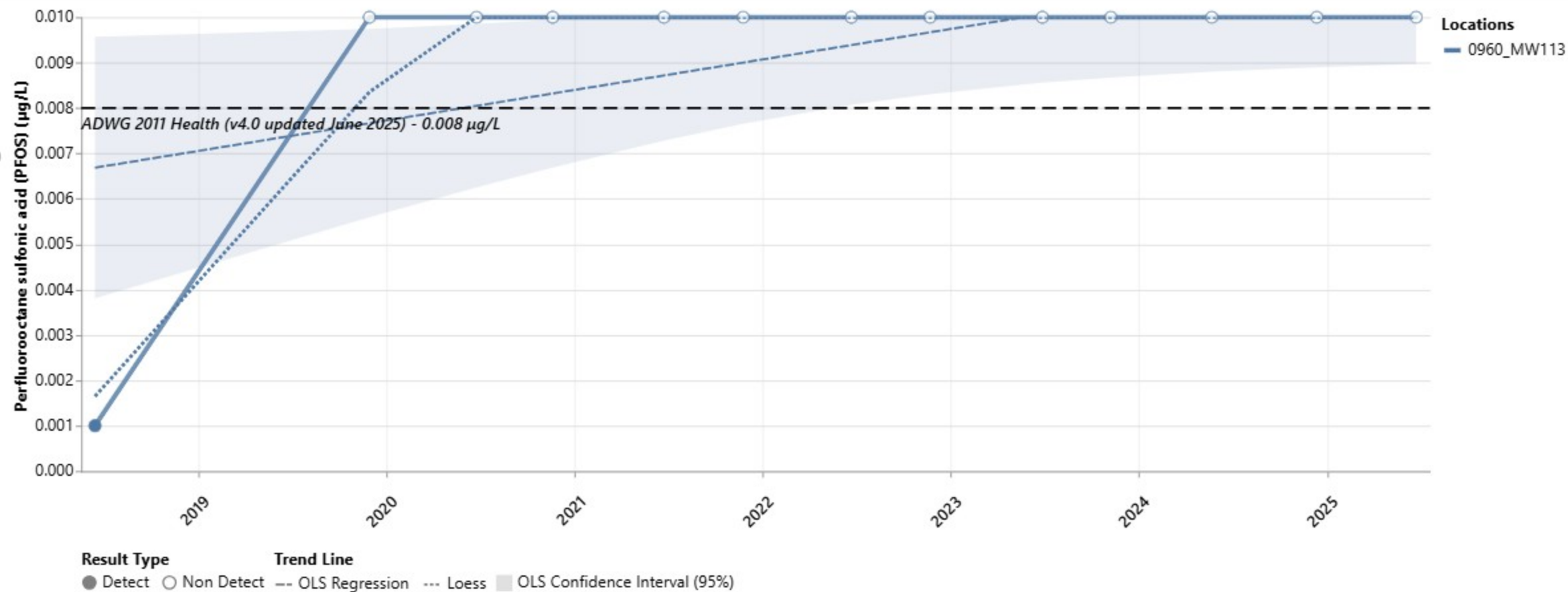
R: 0.5619

OLS Slope: 0.0000

OLS Intercept: 0.0067

Scale Estimate: 0.0022

P-value (Reg): 0.0457





Statistics

n: 13

Mann Kendall

S: 12

Z: 1.4699

Std Dev of S: 7.4833

Tabulated p-value: 0.2550

Approx p-value: 0.0708

OLS Regression

R-squared: 0.3165

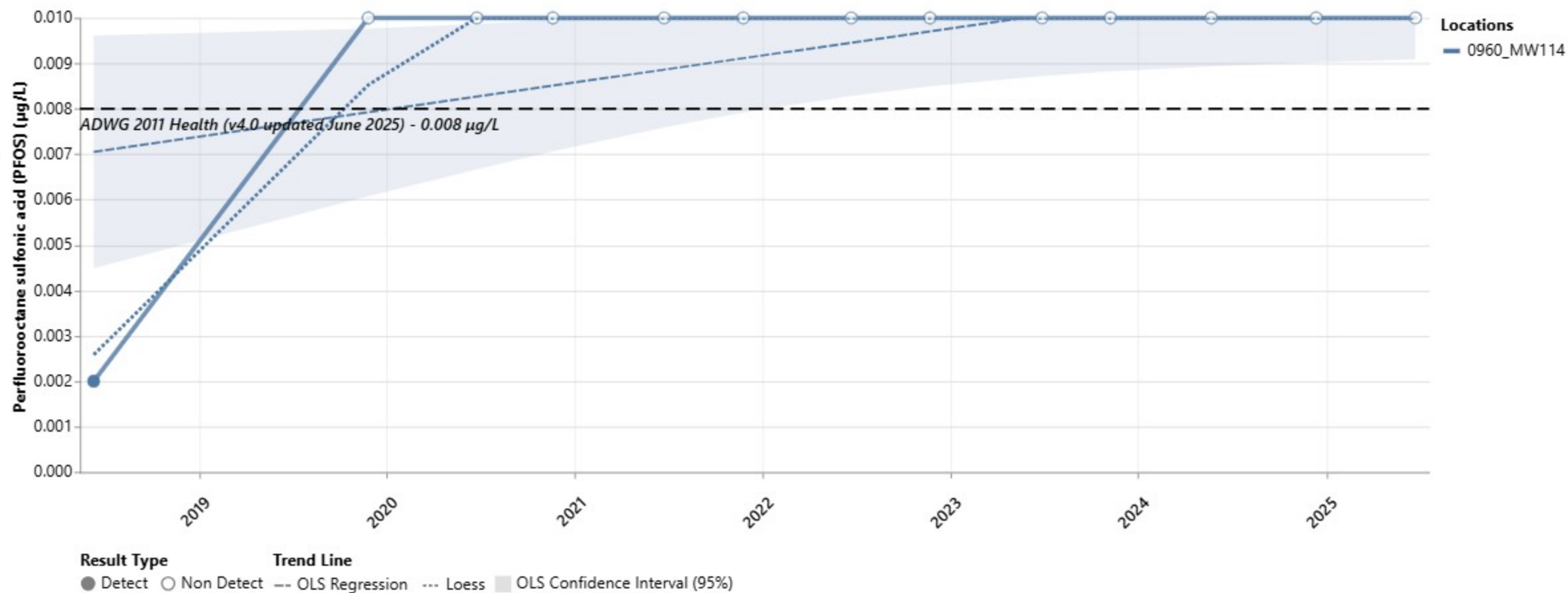
R: 0.5625

OLS Slope: 0.0000

OLS Intercept: 0.0070

Scale Estimate: 0.0019

P-value (Reg): 0.0454





Statistics

n: 12

Mann Kendall

S: 55

Z: 3.7117

Std Dev of S: 14.5488

Tabulated p-value: 0.0000

Approx p-value: 0.0001

OLS Regression

R-squared: 0.8122

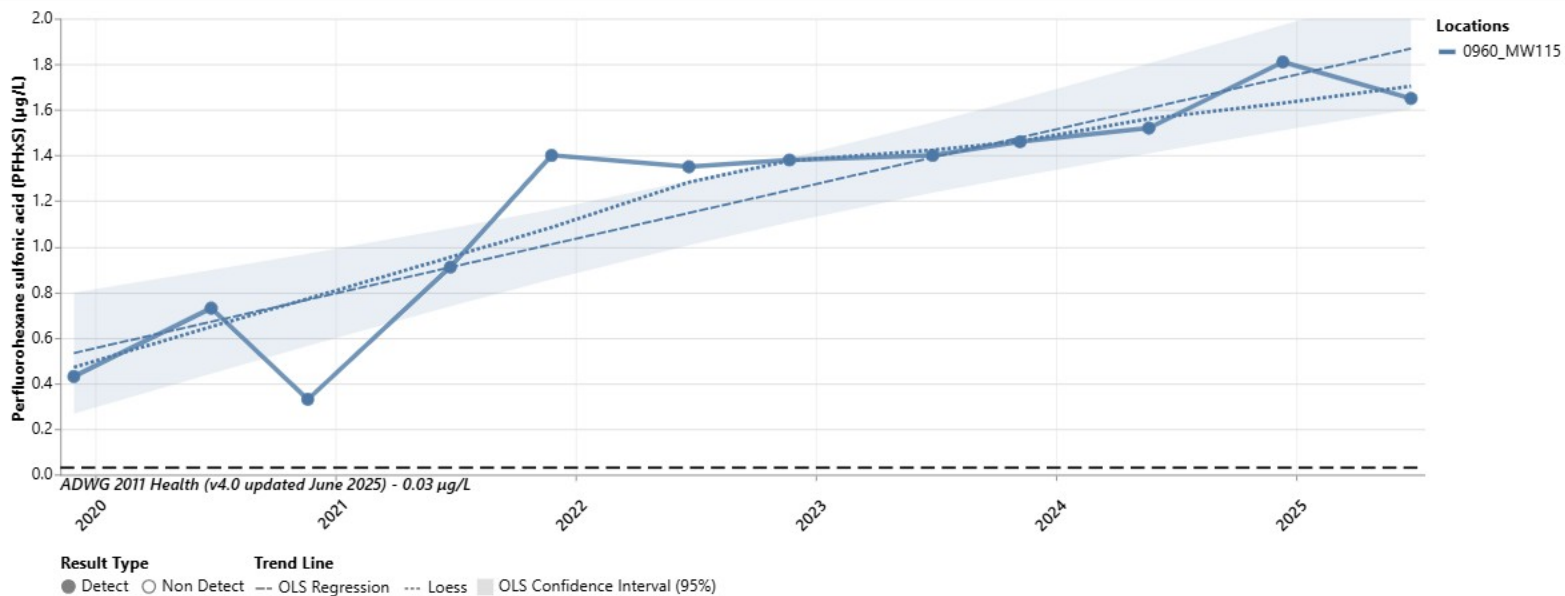
R: 0.9012

OLS Slope: 0.0007

OLS Intercept: 0.5330

Scale Estimate: 0.2182

P-value (Reg): 0.0001





Statistics

n: 12

Mann Kendall

S: 54

Z: 3.7793

Std Dev of S: 14.0238

Tabulated p-value: 0.0000

Approx p-value: 0.0001

OLS Regression

R-squared: 0.9229

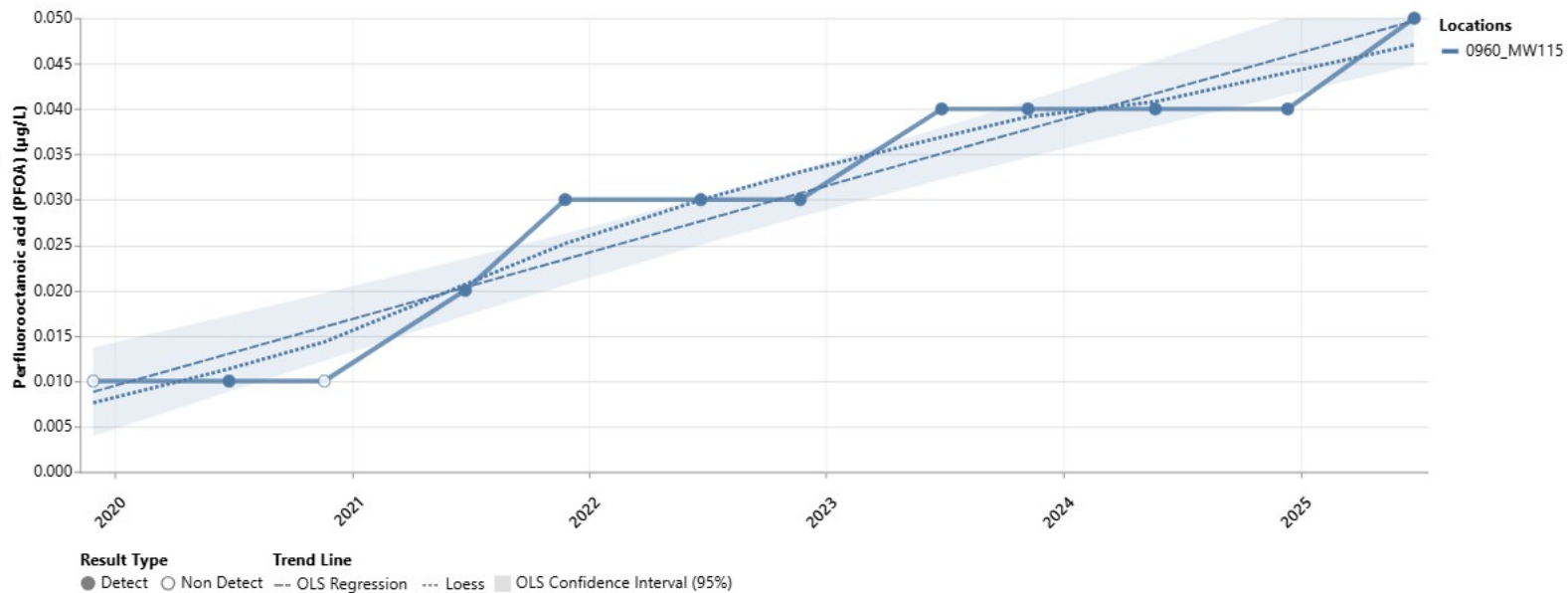
R: 0.9607

OLS Slope: 0.0000

OLS Intercept: 0.0088

Scale Estimate: 0.0040

P-value (Reg): 0.0000





Statistics

n: 12

Mann Kendall

S: 51

Z: 3.4586

Std Dev of S: 14.4568

Tabulated p-value: 0.0000

Approx p-value: 0.0003

OLS Regression

R-squared: 0.8596

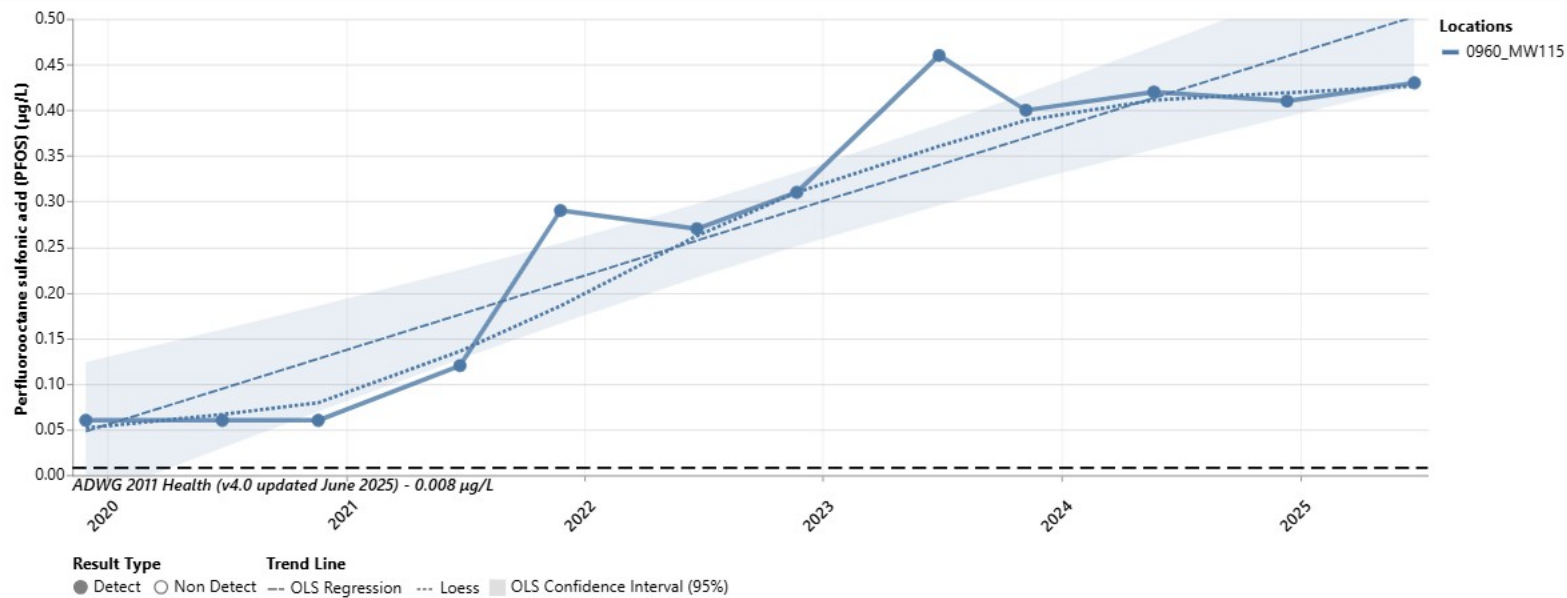
R: 0.9271

OLS Slope: 0.0002

OLS Intercept: 0.0480

Scale Estimate: 0.0624

P-value (Reg): 0.0000





Statistics

n: 12

Mann Kendall

S: 56

Z: 3.7894

Std Dev of S: 14.5144

Tabulated p-value: 0.0000

Approx p-value: 0.0001

OLS Regression

R-squared: 0.8477

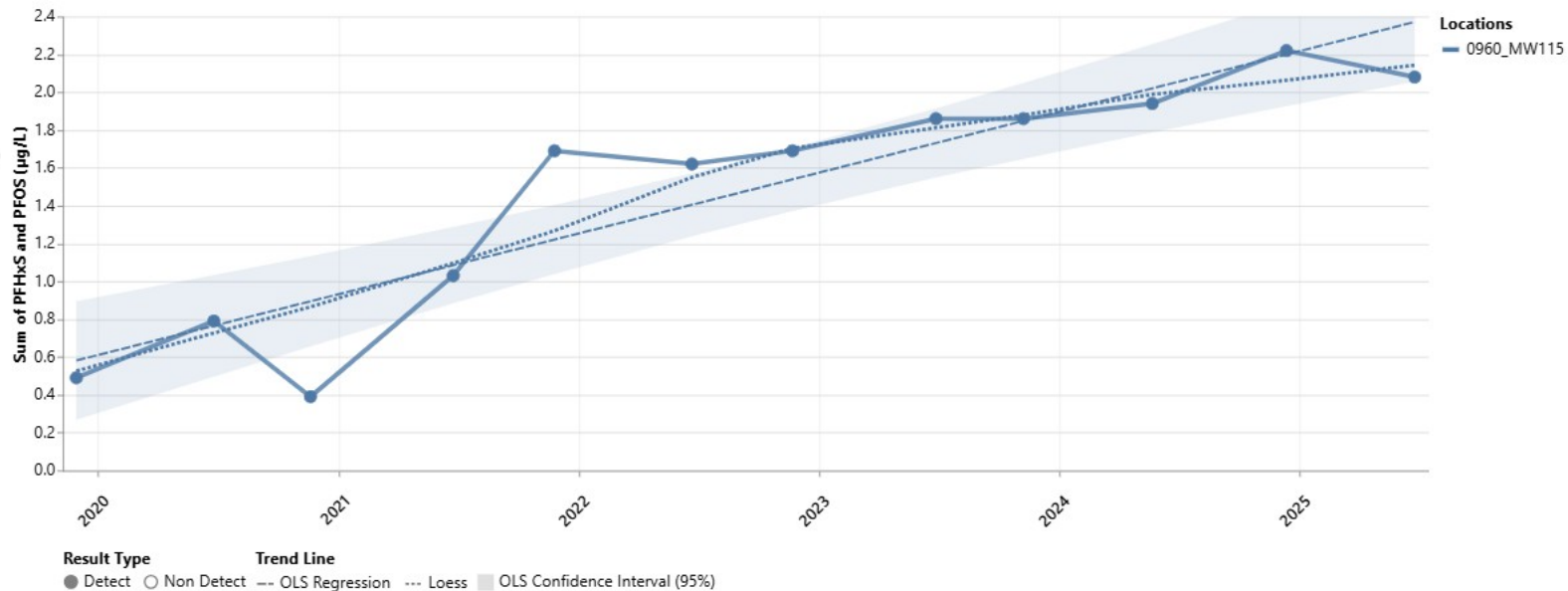
R: 0.9207

OLS Slope: 0.0009

OLS Intercept: 0.5810

Scale Estimate: 0.2577

P-value (Reg): 0.0000





Statistics

n: 13

Mann Kendall

S: 31

Z: 1.8406

Std Dev of S: 16.2993

Tabulated p-value: 0.0290

Approx p-value: 0.0328

OLS Regression

R-squared: 0.2700

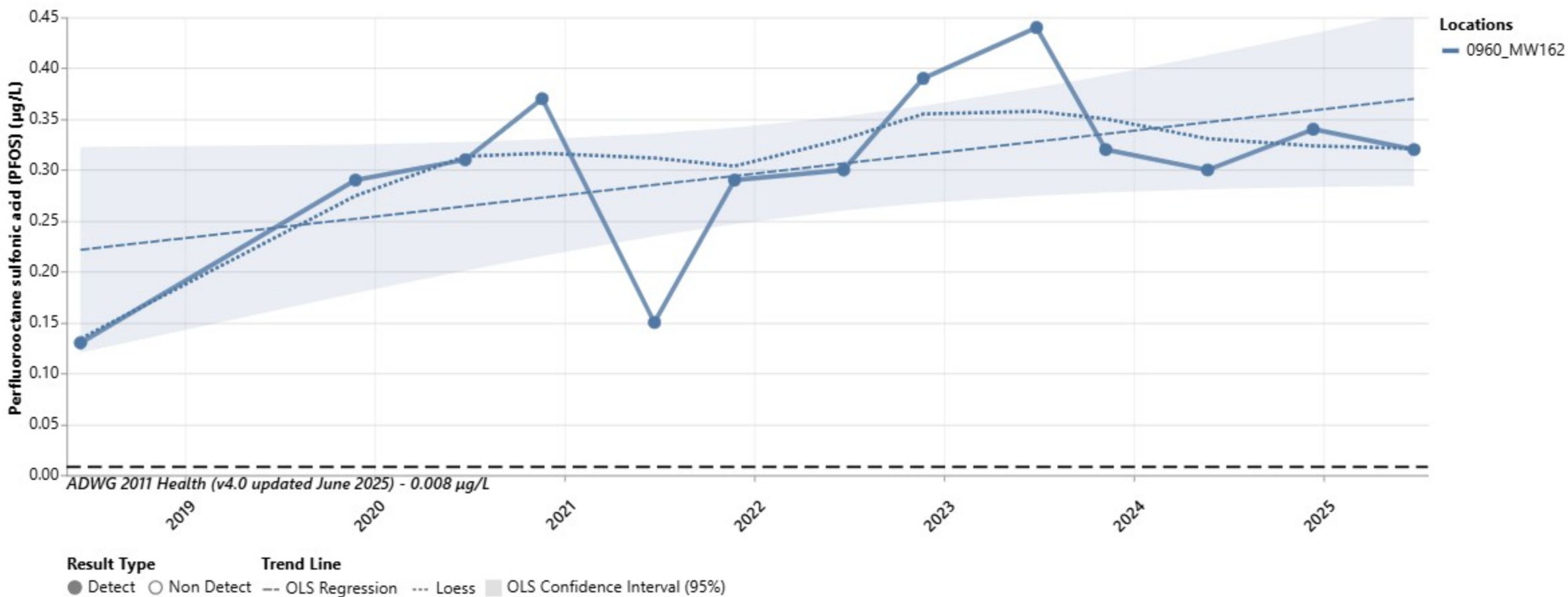
R: 0.5196

OLS Slope: 0.0001

OLS Intercept: 0.2214

Scale Estimate: 0.0758

P-value (Reg): 0.0688





Statistics

n: 13

Mann Kendall

S: -41

Z: -2.4449

Std Dev of S: 16.3605

Tabulated p-value: 0.0050

Approx p-value: 0.0072

OLS Regression

R-squared: 0.2928

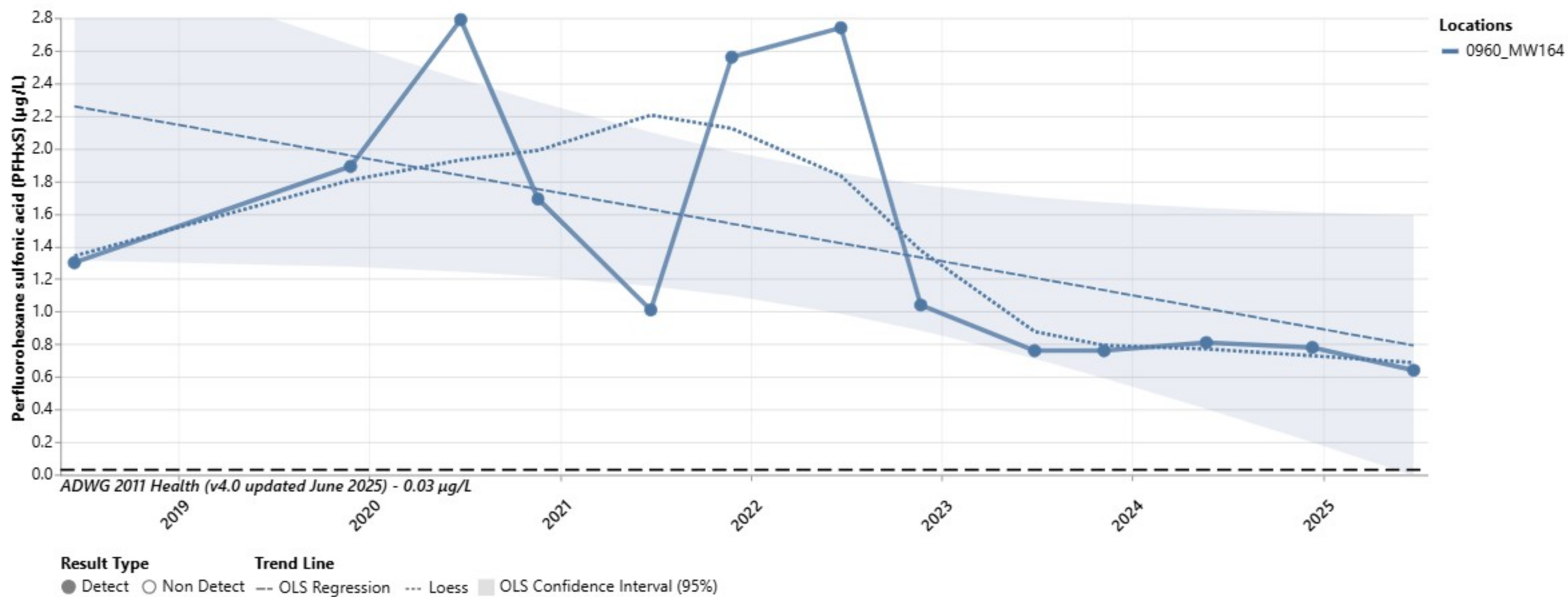
R: -0.5412

OLS Slope: -0.0006

OLS Intercept: 2.2587

Scale Estimate: 0.7078

P-value (Reg): 0.0562





Statistics

n: 13

Mann Kendall

S: -46

Z: -2.8460

Std Dev of S: 15.8114

Tabulated p-value: 0.0020

Approx p-value: 0.0022

OLS Regression

R-squared: 0.4205

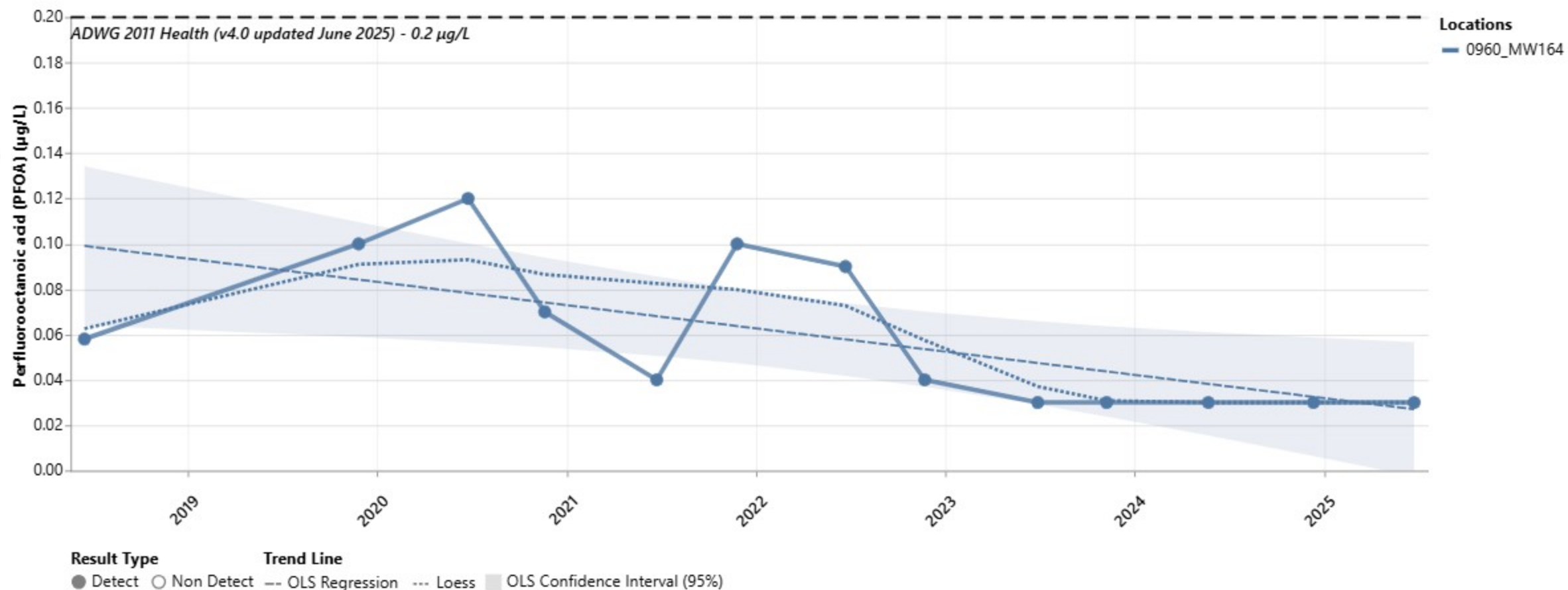
R: -0.6484

OLS Slope: 0.0000

OLS Intercept: 0.0991

Scale Estimate: 0.0263

P-value (Reg): 0.0165





Statistics

n: 13

Mann Kendall

S: -38

Z: -2.2573

Std Dev of S: 16.3911

Tabulated p-value: 0.0110

Approx p-value: 0.0120

OLS Regression

R-squared: 0.1653

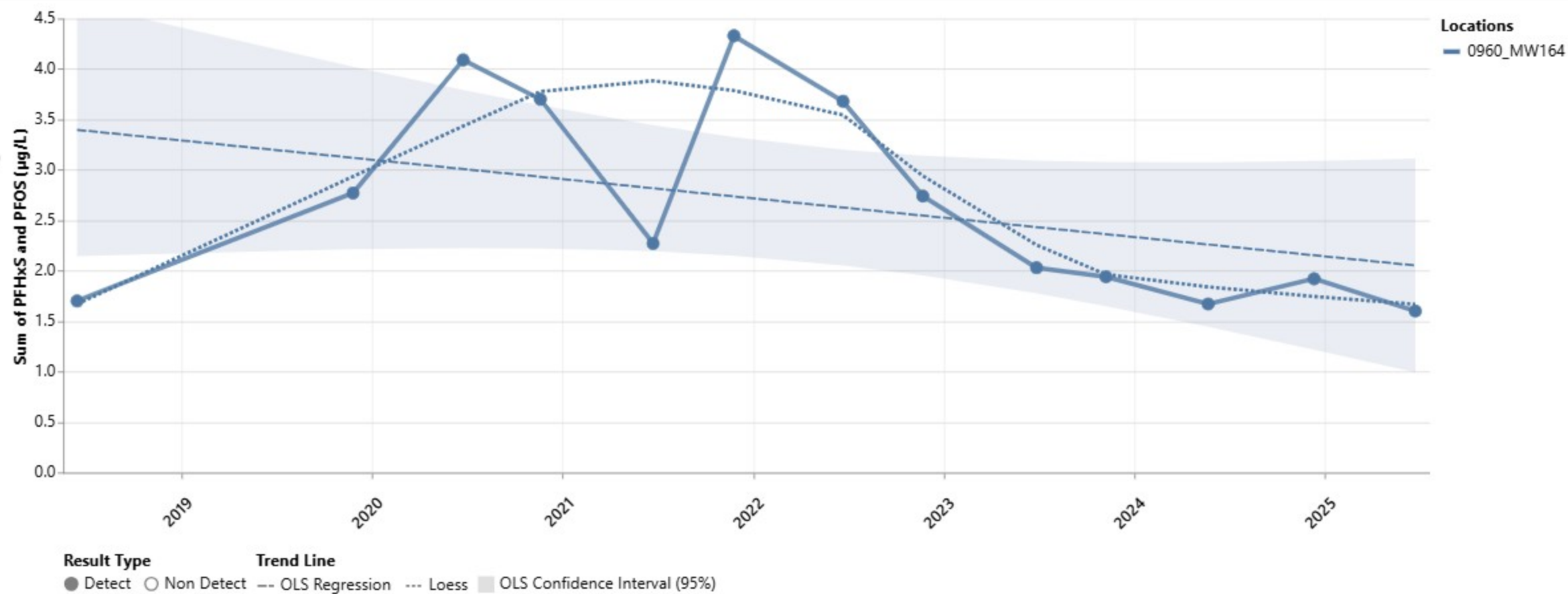
R: -0.4065

OLS Slope: -0.0005

OLS Intercept: 3.3965

Scale Estimate: 0.9388

P-value (Reg): 0.1681





Statistics

n: 13

Mann Kendall

S: -25

Z: -1.8247

Std Dev of S: 13.1529

Tabulated p-value: 0.0640

Approx p-value: 0.0340

OLS Regression

R-squared: 0.0857

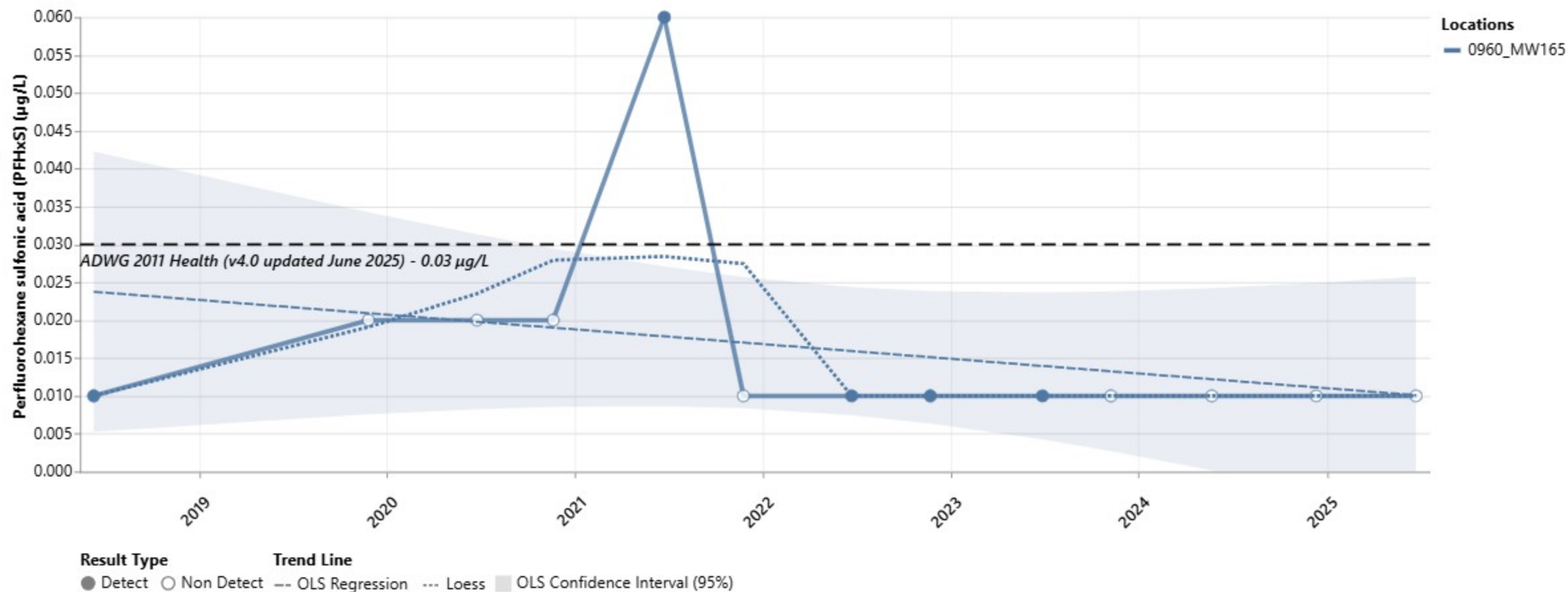
R: -0.2927

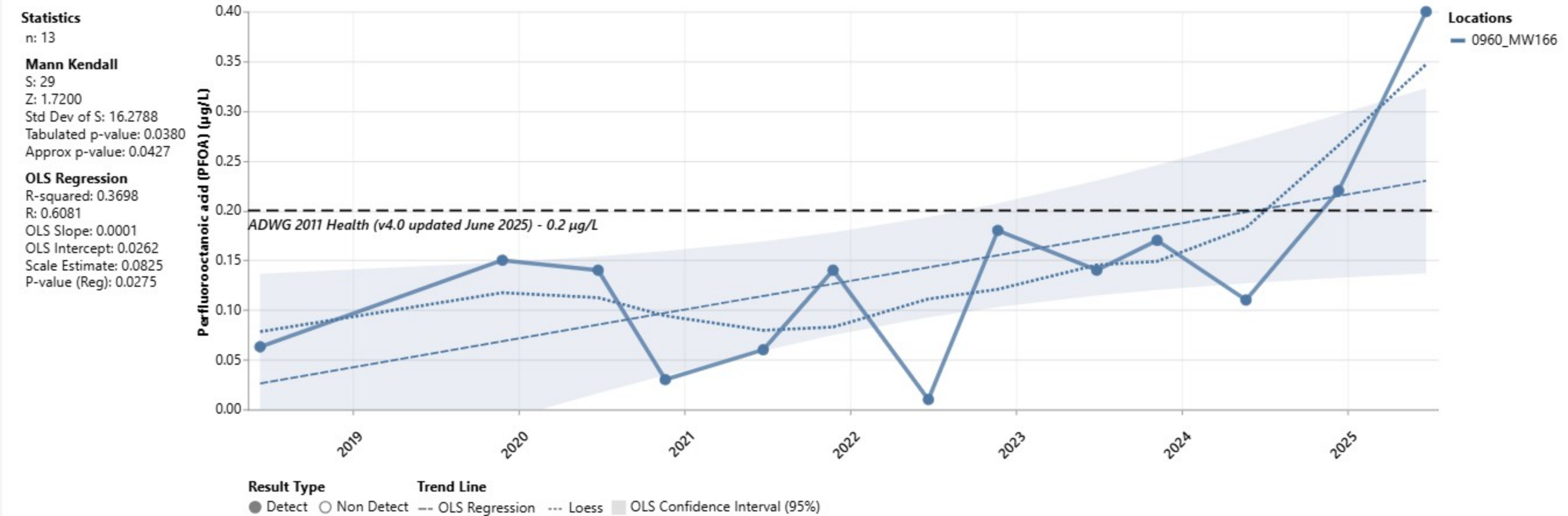
OLS Slope: 0.0000

OLS Intercept: 0.0238

Scale Estimate: 0.0138

P-value (Reg): 0.3318







Statistics

n: 13

Mann Kendall

S: -42

Z: -2.5014

Std Dev of S: 16.3911

Tabulated p-value: 0.0050

Approx p-value: 0.0062

OLS Regression

R-squared: 0.3075

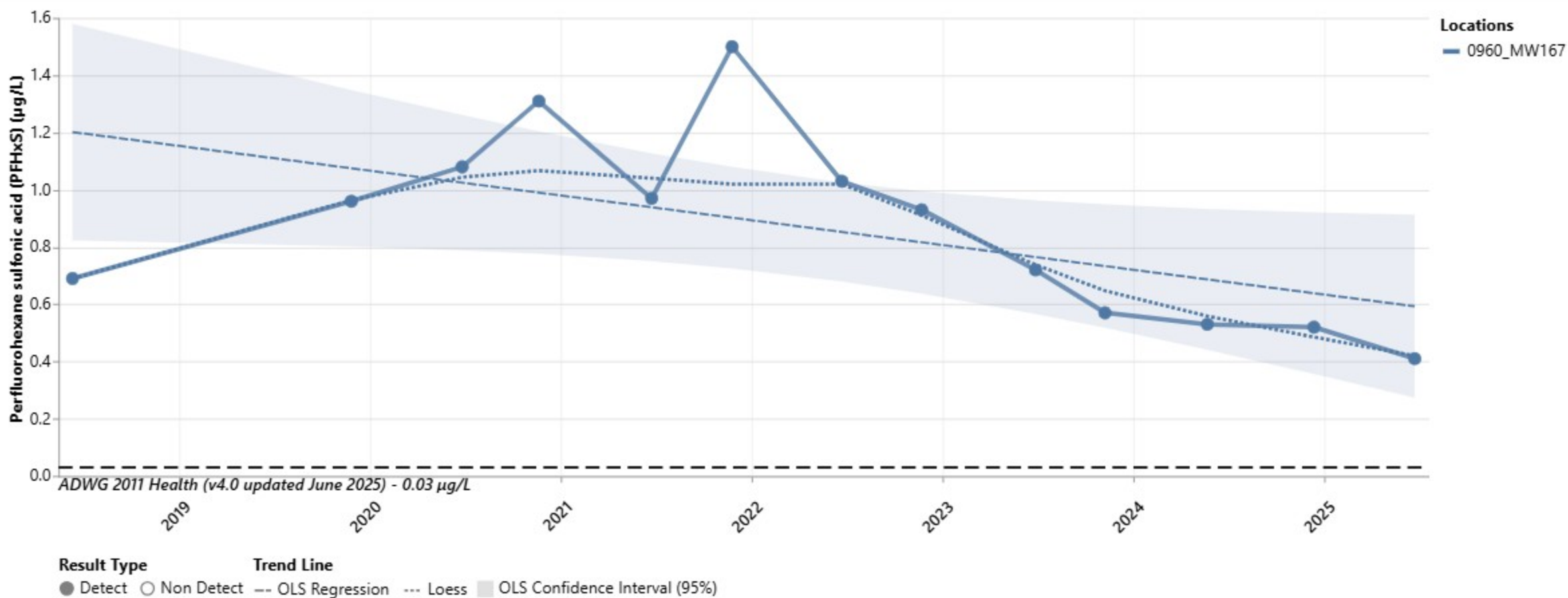
R: -0.5545

OLS Slope: -0.0002

OLS Intercept: 1.2017

Scale Estimate: 0.2834

P-value (Reg): 0.0492





Statistics

n: 13

Mann Kendall

S: 30

Z: 1.7916

Std Dev of S: 16.1864

Tabulated p-value: 0.0380

Approx p-value: 0.0366

OLS Regression

R-squared: 0.3455

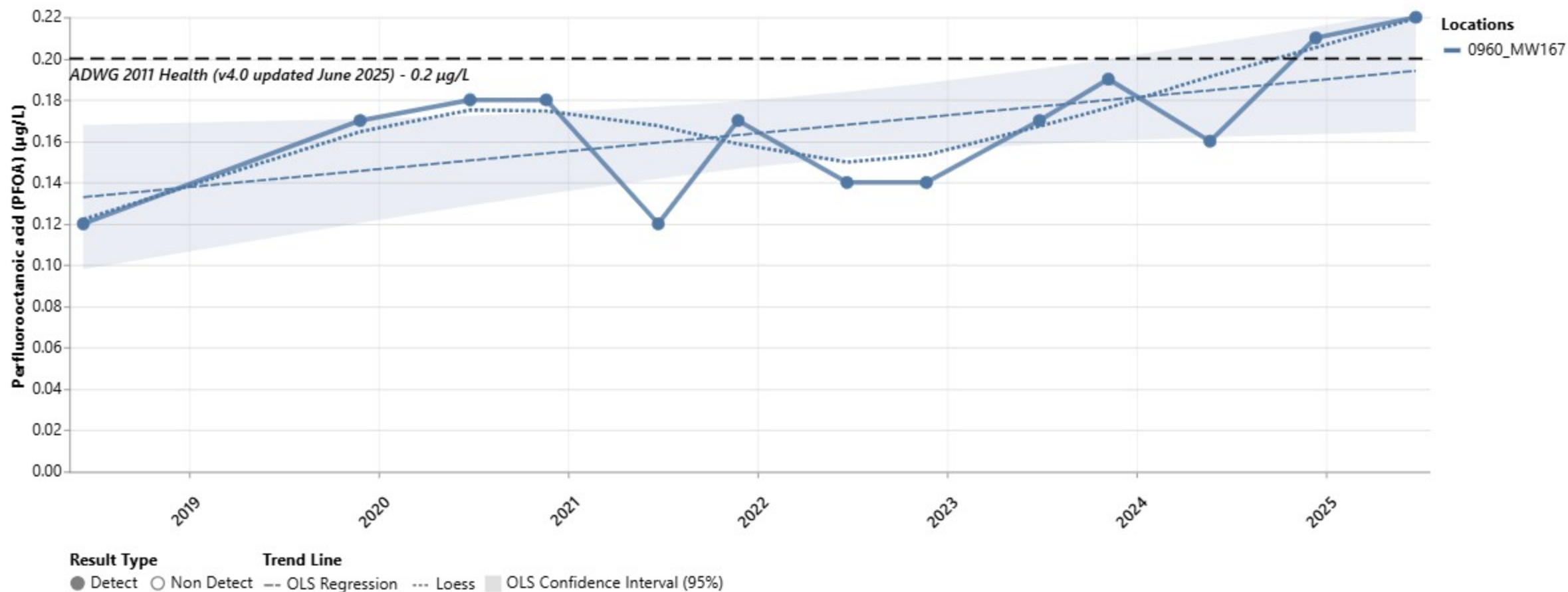
R: 0.5878

OLS Slope: 0.0000

OLS Intercept: 0.1329

Scale Estimate: 0.0261

P-value (Reg): 0.0346





Statistics

n: 12

Mann Kendall

S: -40

Z: -2.6743

Std Dev of S: 14.5831

Tabulated p-value: 0.0030

Approx p-value: 0.0037

OLS Regression

R-squared: 0.6009

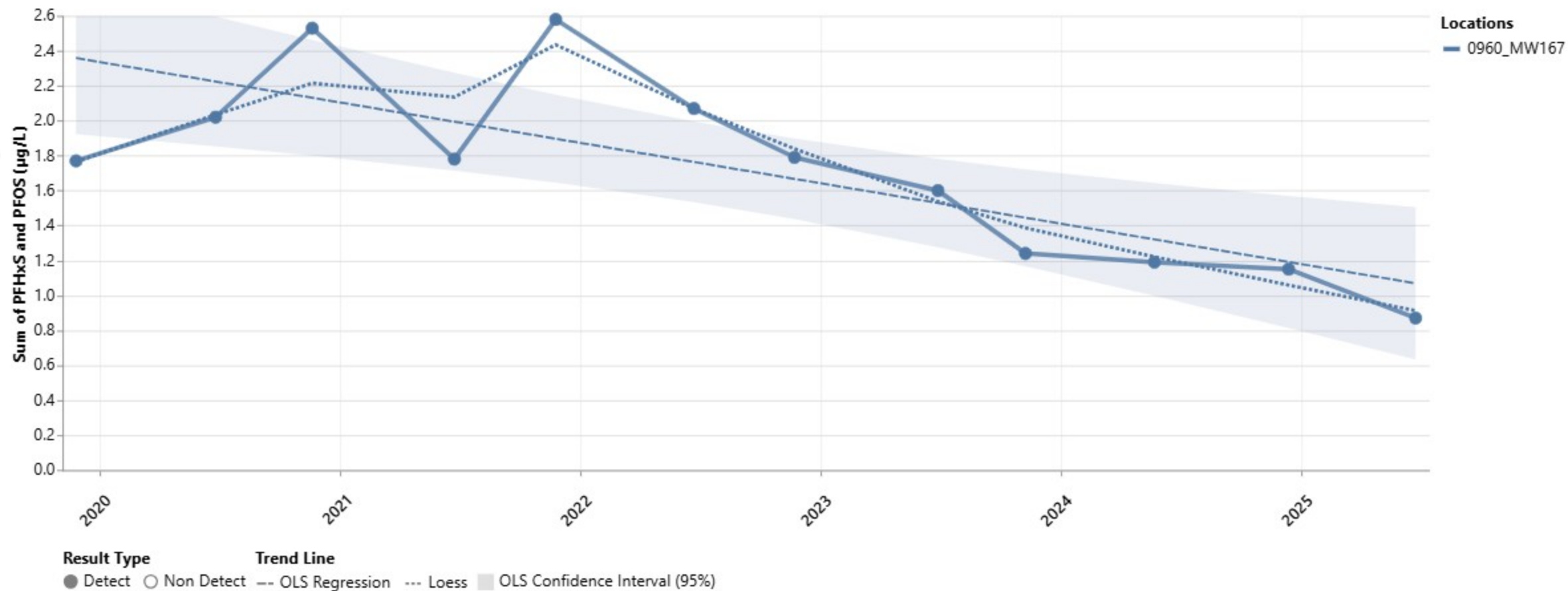
R: -0.7752

OLS Slope: -0.0006

OLS Intercept: 2.3586

Scale Estimate: 0.3569

P-value (Reg): 0.0031





Statistics

n: 13

Mann Kendall

S: 51

Z: 3.0831

Std Dev of S: 16.2173

Tabulated p-value: 0.0000

Approx p-value: 0.0010

OLS Regression

R-squared: 0.7171

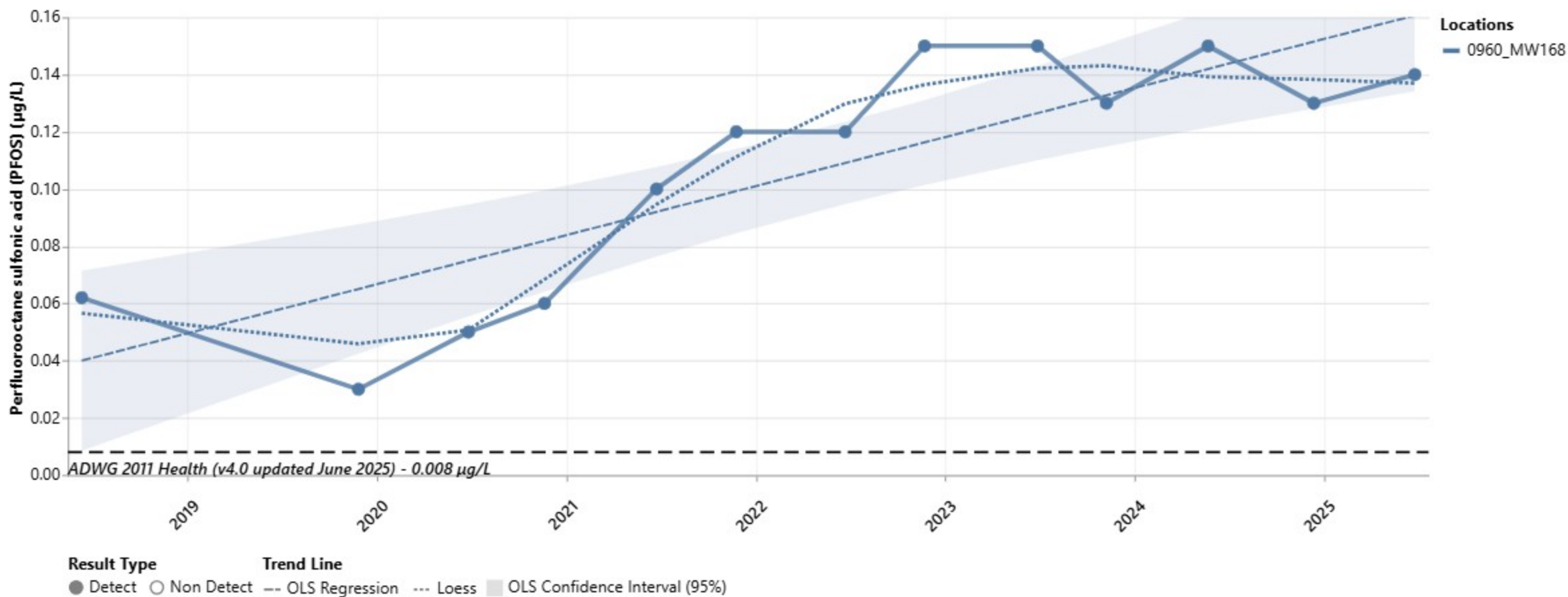
R: 0.8468

OLS Slope: 0.0000

OLS Intercept: 0.0400

Scale Estimate: 0.0235

P-value (Reg): 0.0003





Statistics

n: 14

Mann Kendall

S: -41

Z: -2.1898

Std Dev of S: 18.2665

Tabulated p-value: 0.0130

Approx p-value: 0.0143

OLS Regression

R-squared: 0.3049

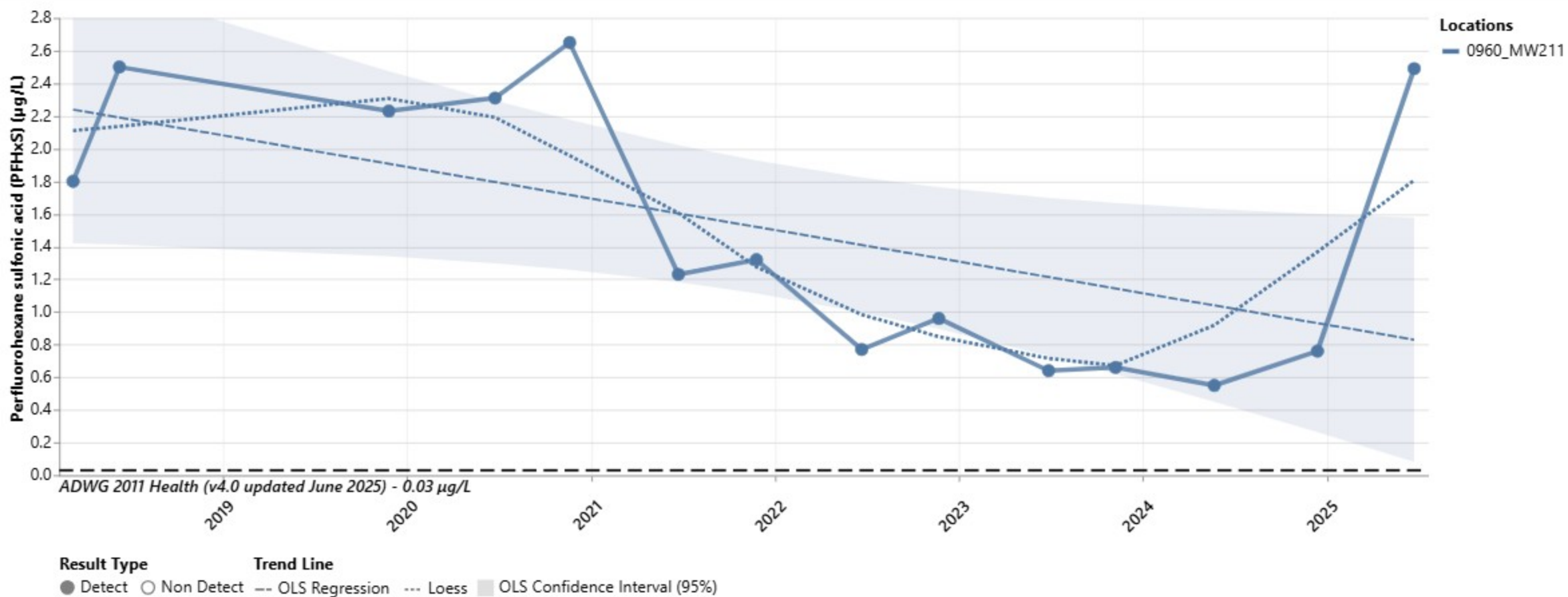
R: -0.5522

OLS Slope: -0.0005

OLS Intercept: 2.2389

Scale Estimate: 0.6978

P-value (Reg): 0.0406





Statistics

n: 14

Mann Kendall

S: -35

Z: -1.9096

Std Dev of S: 17.8045

Tabulated p-value: 0.0310

Approx p-value: 0.0281

OLS Regression

R-squared: 0.0668

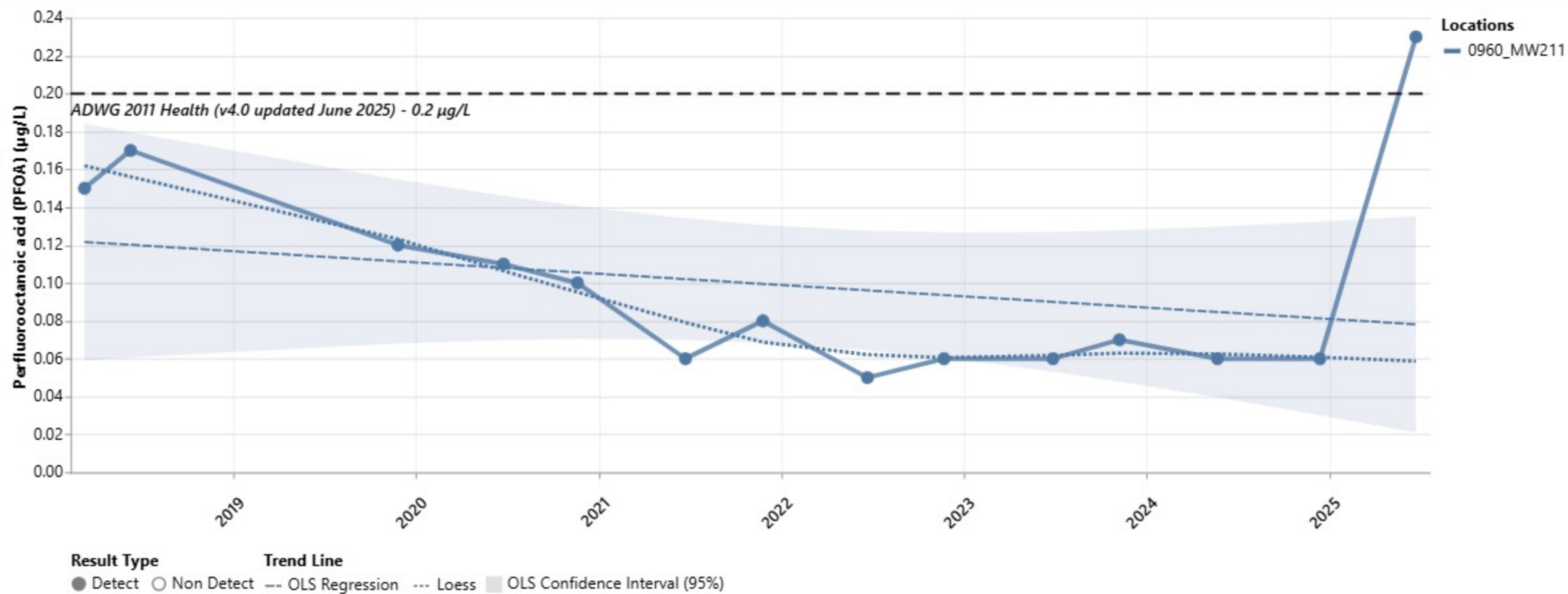
R: -0.2584

OLS Slope: 0.0000

OLS Intercept: 0.1217

Scale Estimate: 0.0533

P-value (Reg): 0.3724





Statistics

n: 14

Mann Kendall

S: 39

Z: 2.0803

Std Dev of S: 18.2665

Tabulated p-value: 0.0180

Approx p-value: 0.0187

OLS Regression

R-squared: 0.3717

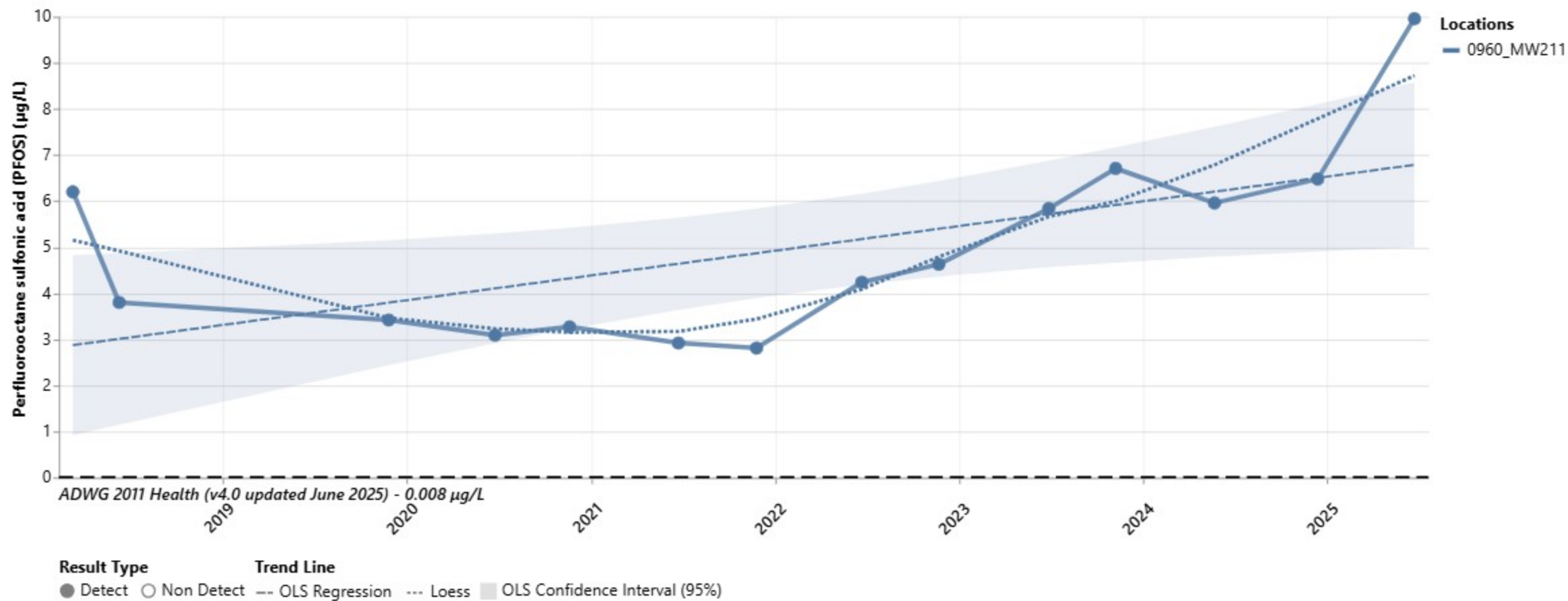
R: 0.6097

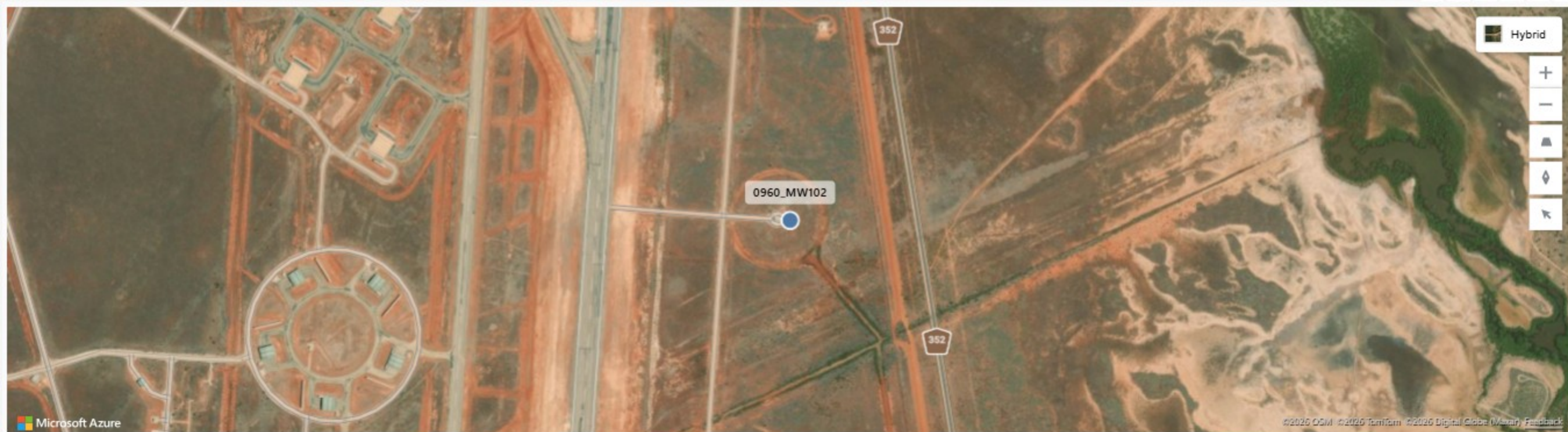
OLS Slope: 0.0015

OLS Intercept: 2.8745

Scale Estimate: 1.6684

P-value (Reg): 0.0206





Statistics

n: 14

Mann Kendall

S: 24

Z: 2.0996

Std Dev of S: 10.9545

Tabulated p-value: 0.0960

Approx p-value: 0.0179

OLS Regression

R-squared: 0.4779

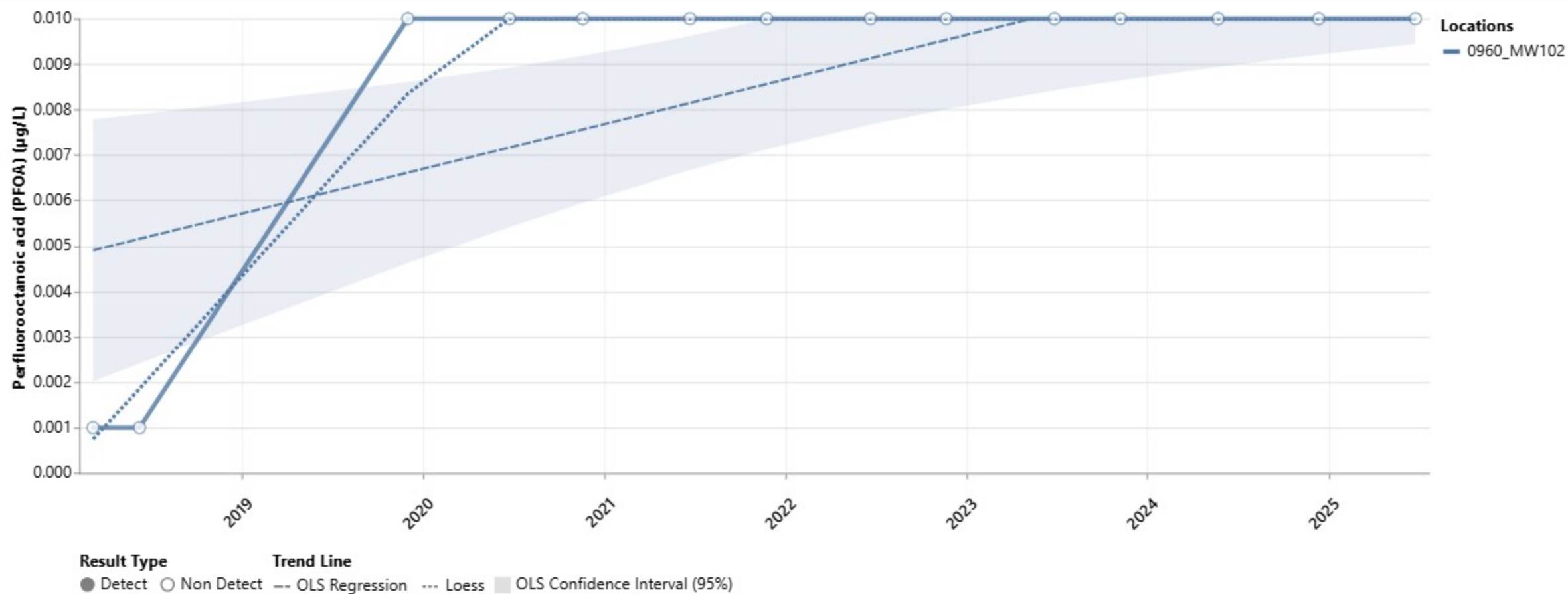
R: 0.6913

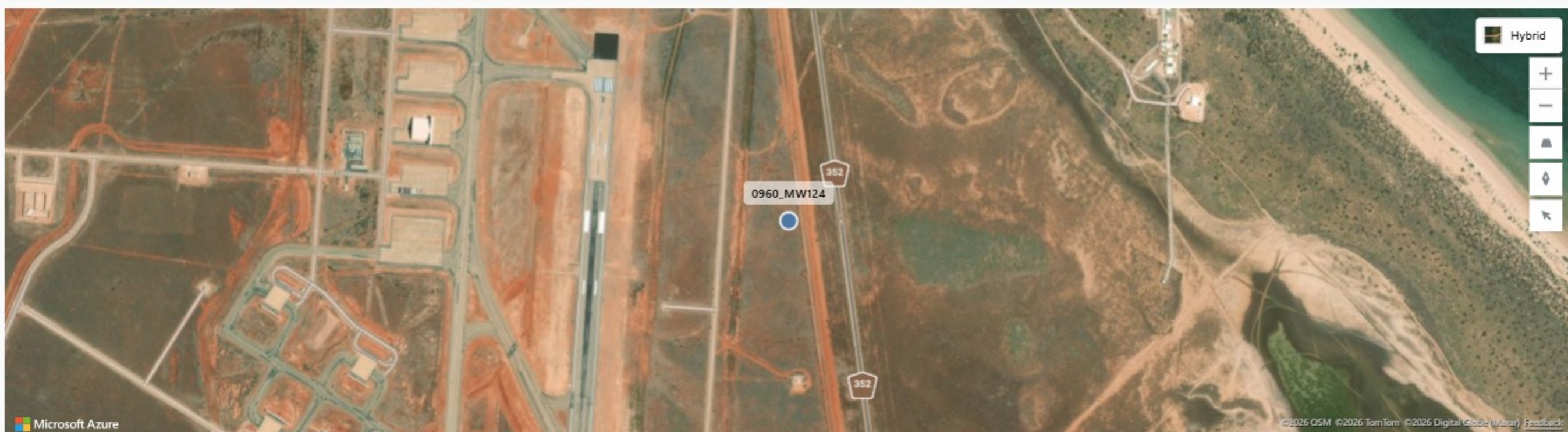
OLS Slope: 0.0000

OLS Intercept: 0.0049

Scale Estimate: 0.0025

P-value (Reg): 0.0062





Statistics

n: 14

Mann Kendall

S: 24

Z: 2.0996

Std Dev of S: 10.9545

Tabulated p-value: 0.0960

Approx p-value: 0.0179

OLS Regression

R-squared: 0.4785

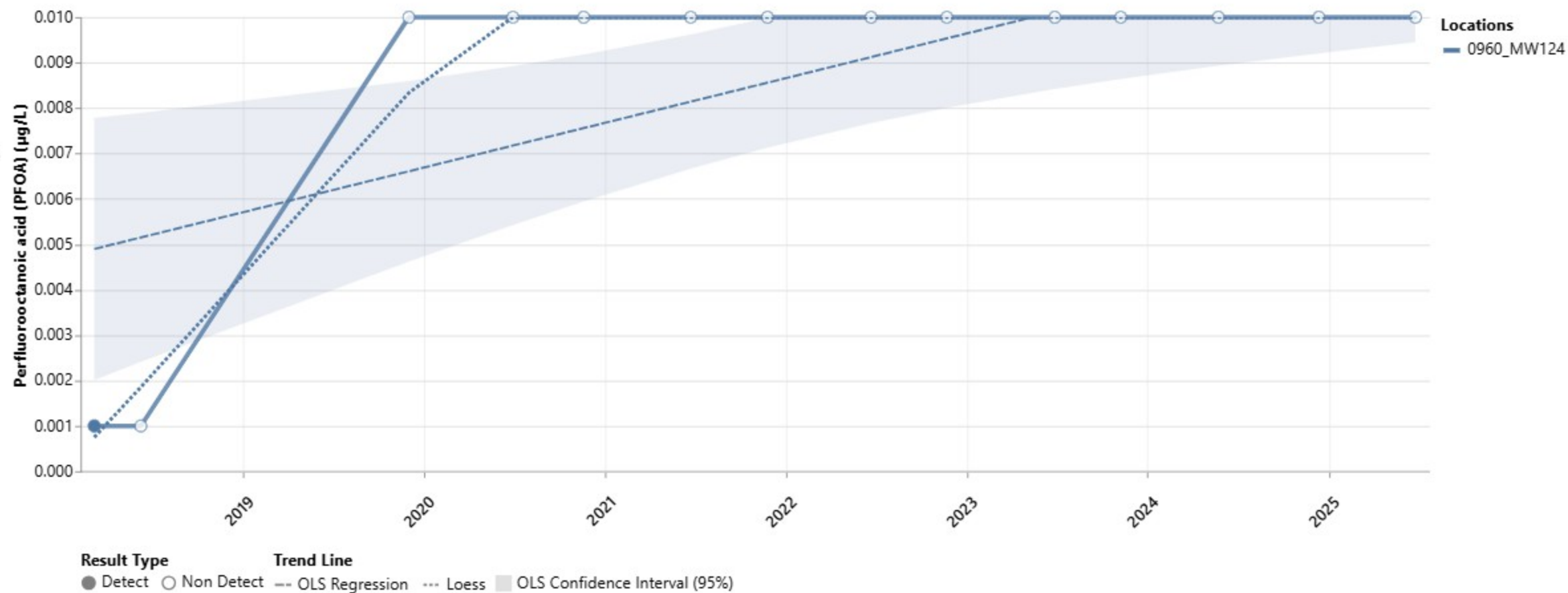
R: 0.6917

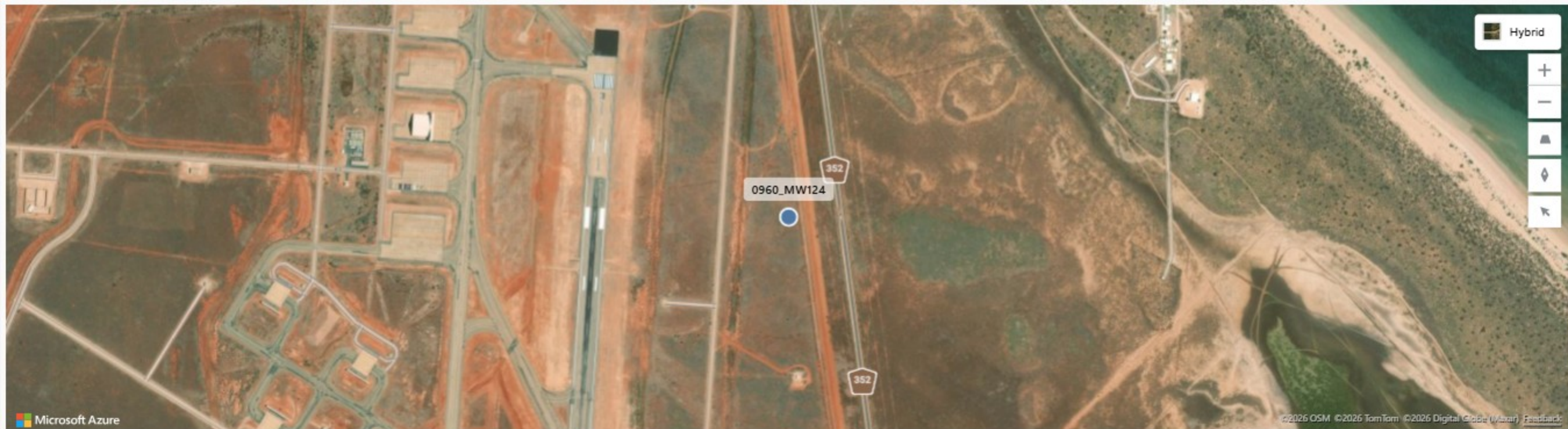
OLS Slope: 0.0000

OLS Intercept: 0.0049

Scale Estimate: 0.0025

P-value (Reg): 0.0061





Statistics

n: 14

Mann Kendall

S: 25

Z: 2.1818

Std Dev of S: 11.0000

Tabulated p-value: 0.0960

Approx p-value: 0.0146

OLS Regression

R-squared: 0.4688

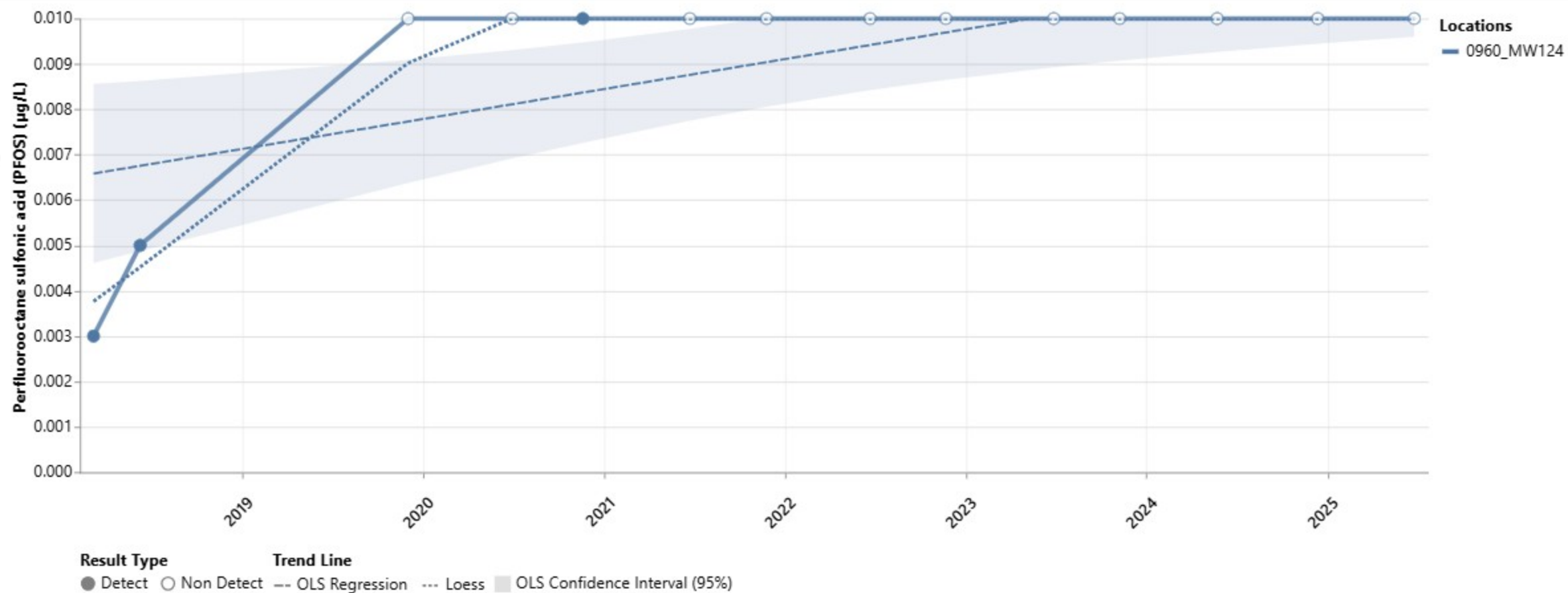
R: 0.6847

OLS Slope: 0.0000

OLS Intercept: 0.0066

Scale Estimate: 0.0017

P-value (Reg): 0.0069



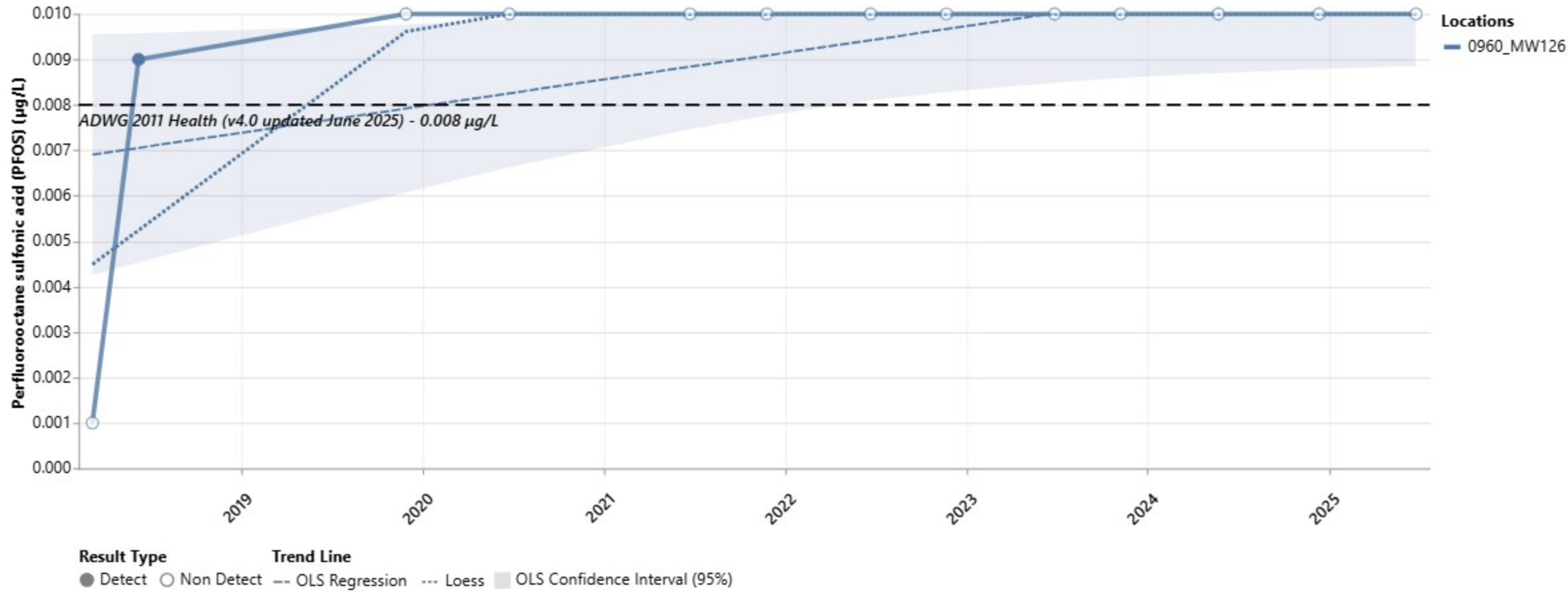


Statistics

n: 13
Mann Kendall
S: 23
Z: 2.1607
Std Dev of S: 10.1817
Tabulated p-value: 0.0820
Approx p-value: 0.0154

OLS Regression

R-squared: 0.3112
R: 0.5578
OLS Slope: 0.0000
OLS Intercept: 0.0069
Scale Estimate: 0.0022
P-value (Reg): 0.0476





Statistics

n: 14

Mann Kendall

S: 33

Z: 2.4713

Std Dev of S: 12.9486

Tabulated p-value: 0.0400

Approx p-value: 0.0067

OLS Regression

R-squared: 0.3294

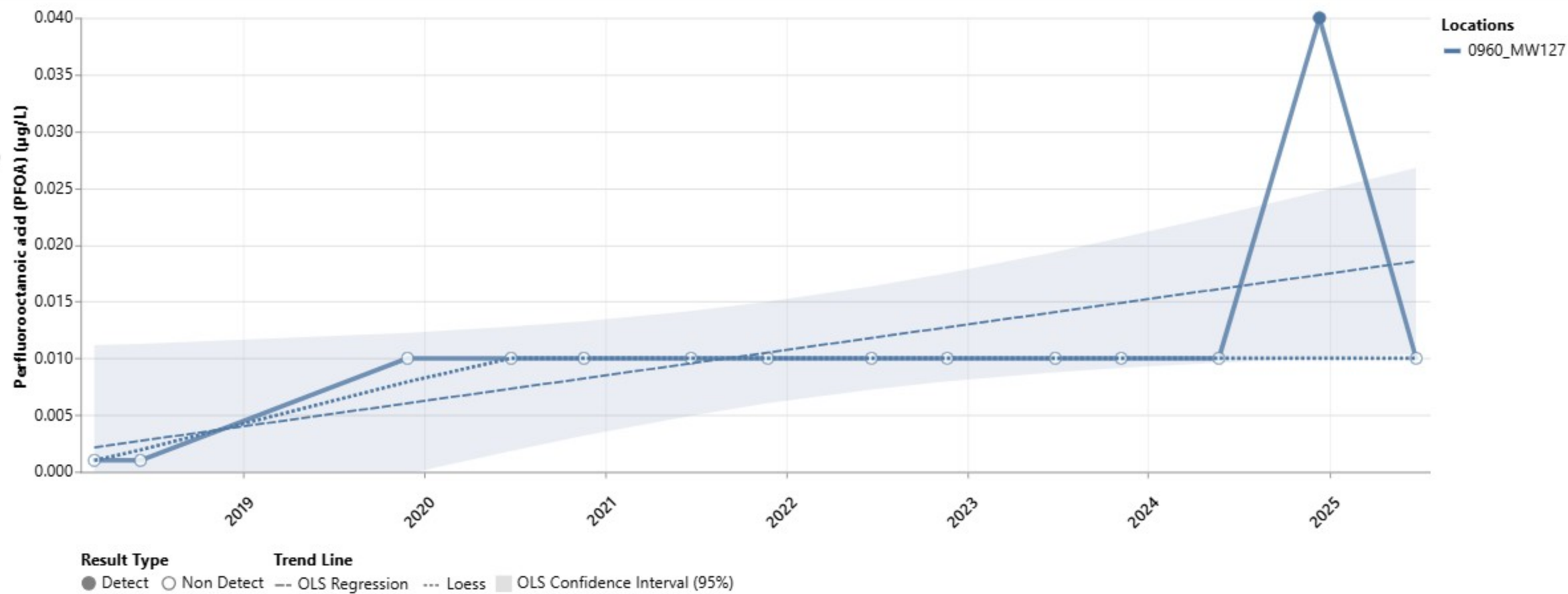
R: 0.5739

OLS Slope: 0.0000

OLS Intercept: 0.0021

Scale Estimate: 0.0077

P-value (Reg): 0.0319





Statistics

n: 14

Mann Kendall

S: 33

Z: 2.4713

Std Dev of S: 12.9486

Tabulated p-value: 0.0400

Approx p-value: 0.0067

OLS Regression

R-squared: 0.1393

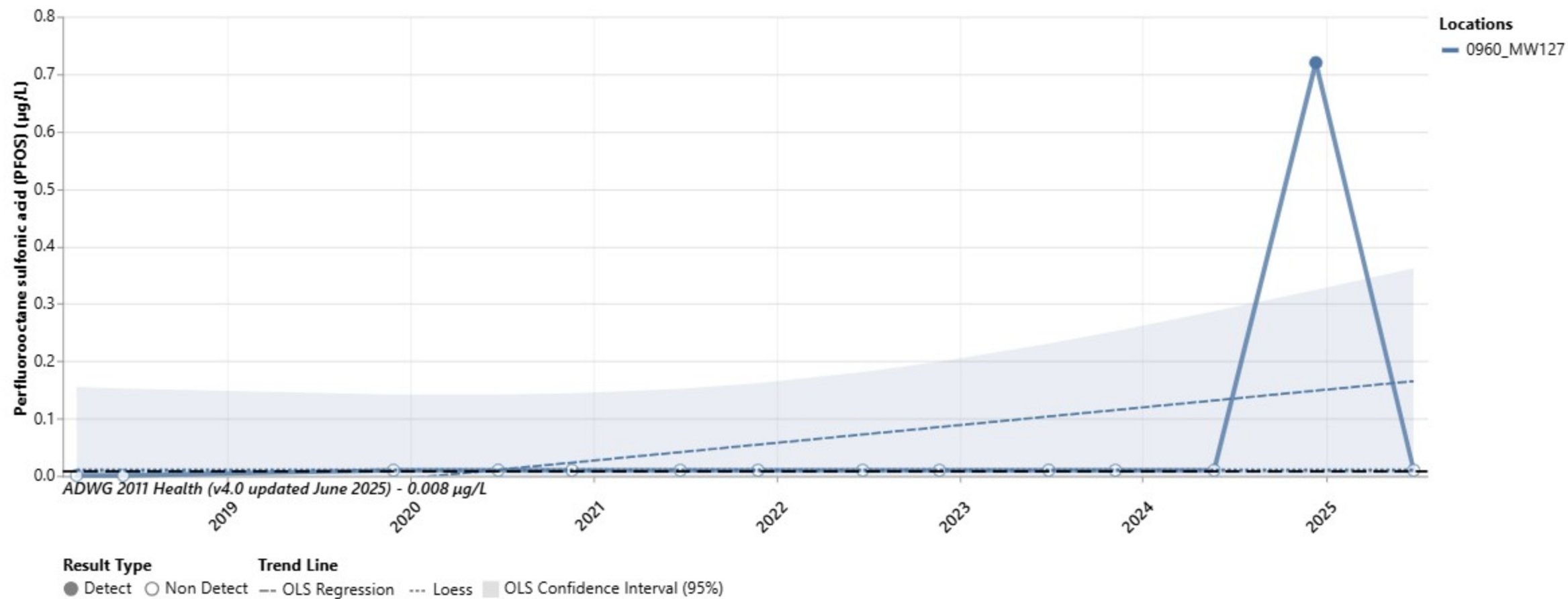
R: 0.3732

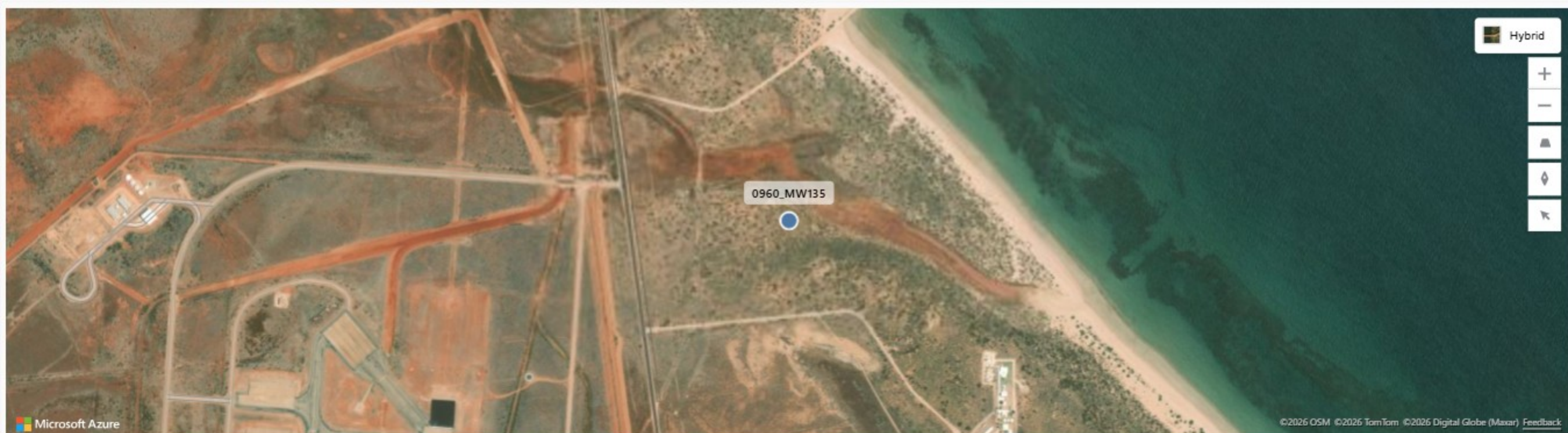
OLS Slope: 0.0001

OLS Intercept: -0.0603

Scale Estimate: 0.1836

P-value (Reg): 0.1888





Statistics

n: 14

Mann Kendall

S: 23

Z: 2.0000

Std Dev of S: 11.0000

Tabulated p-value: 0.1170

Approx p-value: 0.0228

OLS Regression

R-squared: 0.4634

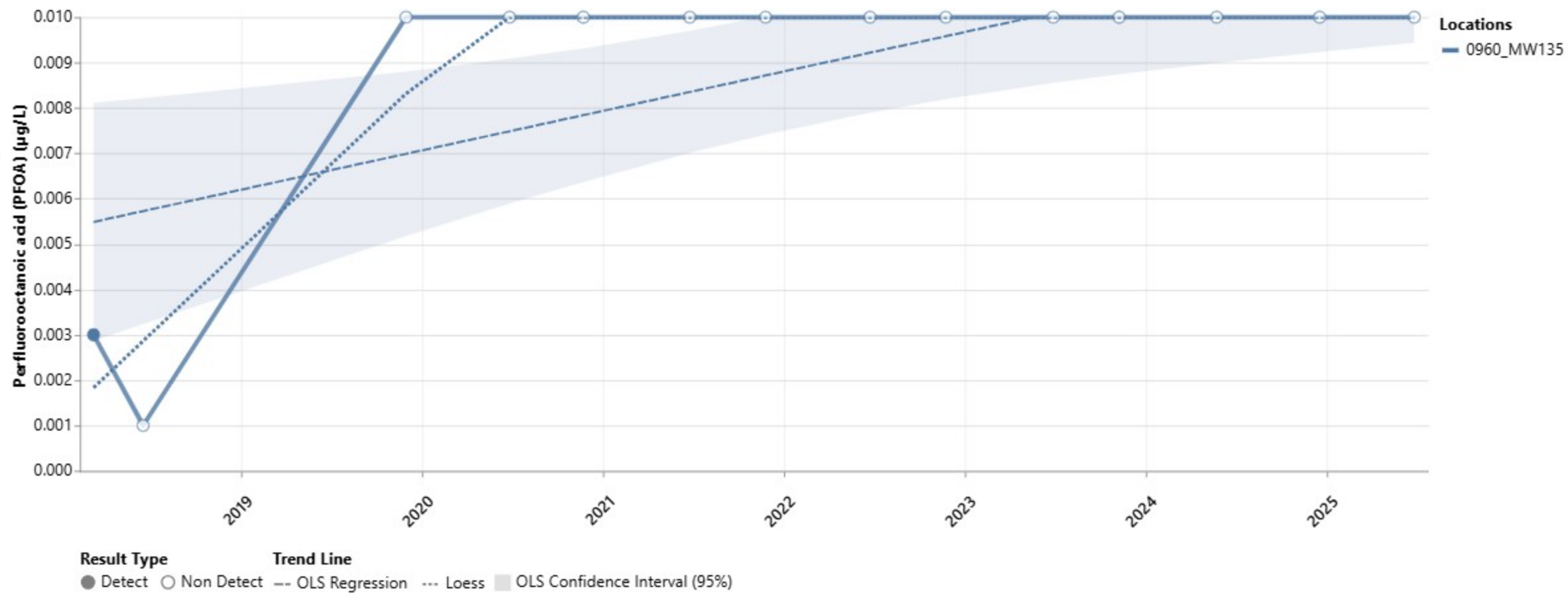
R: 0.6808

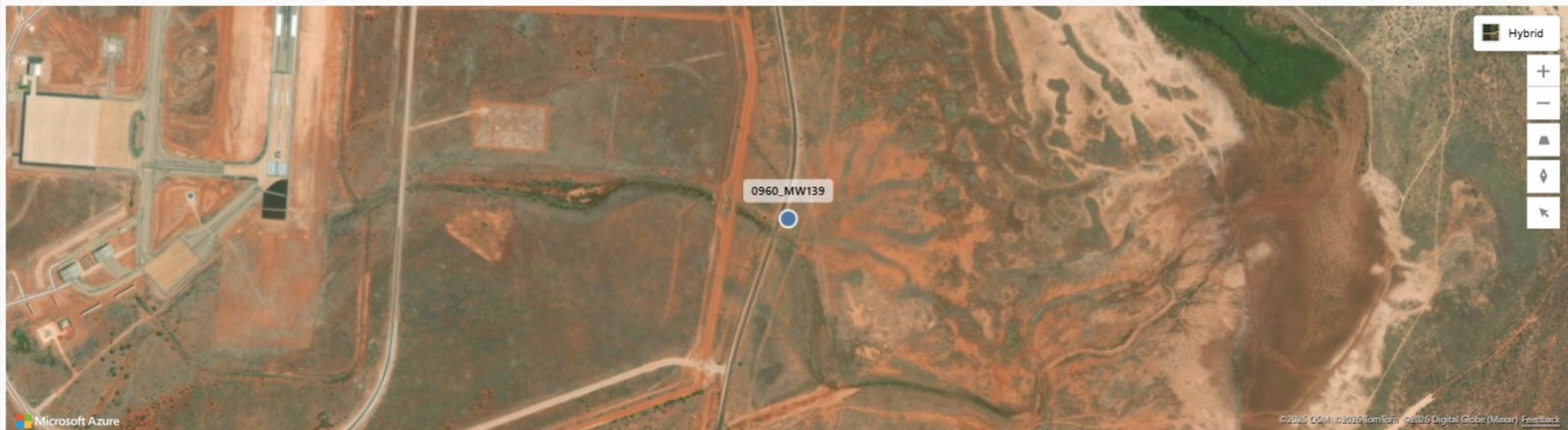
OLS Slope: 0.0000

OLS Intercept: 0.0055

Scale Estimate: 0.0022

P-value (Reg): 0.0074





Statistics

n: 14

Mann Kendall

S: 24

Z: 2.0996

Std Dev of S: 10.9545

Tabulated p-value: 0.0960

Approx p-value: 0.0179

OLS Regression

R-squared: 0.4777

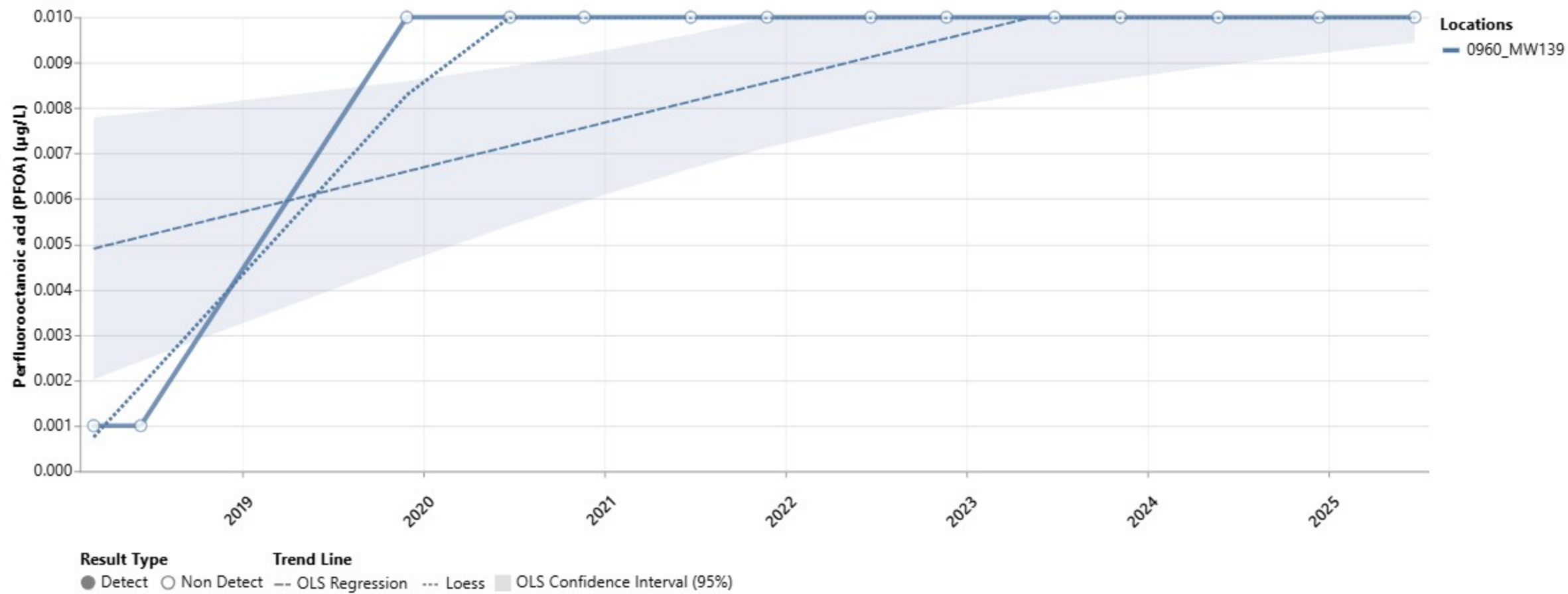
R: 0.6911

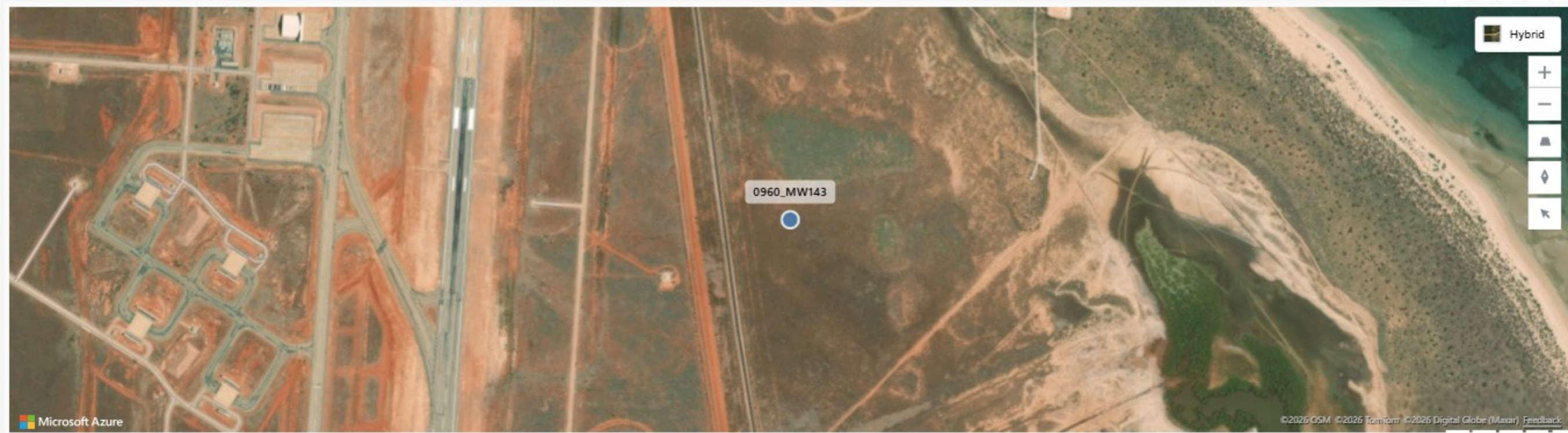
OLS Slope: 0.0000

OLS Intercept: 0.0049

Scale Estimate: 0.0025

P-value (Reg): 0.0062





Statistics

n: 14

Mann Kendall

S: 25

Z: 2.1818

Std Dev of S: 11.0000

Tabulated p-value: 0.0960

Approx p-value: 0.0146

OLS Regression

R-squared: 0.3381

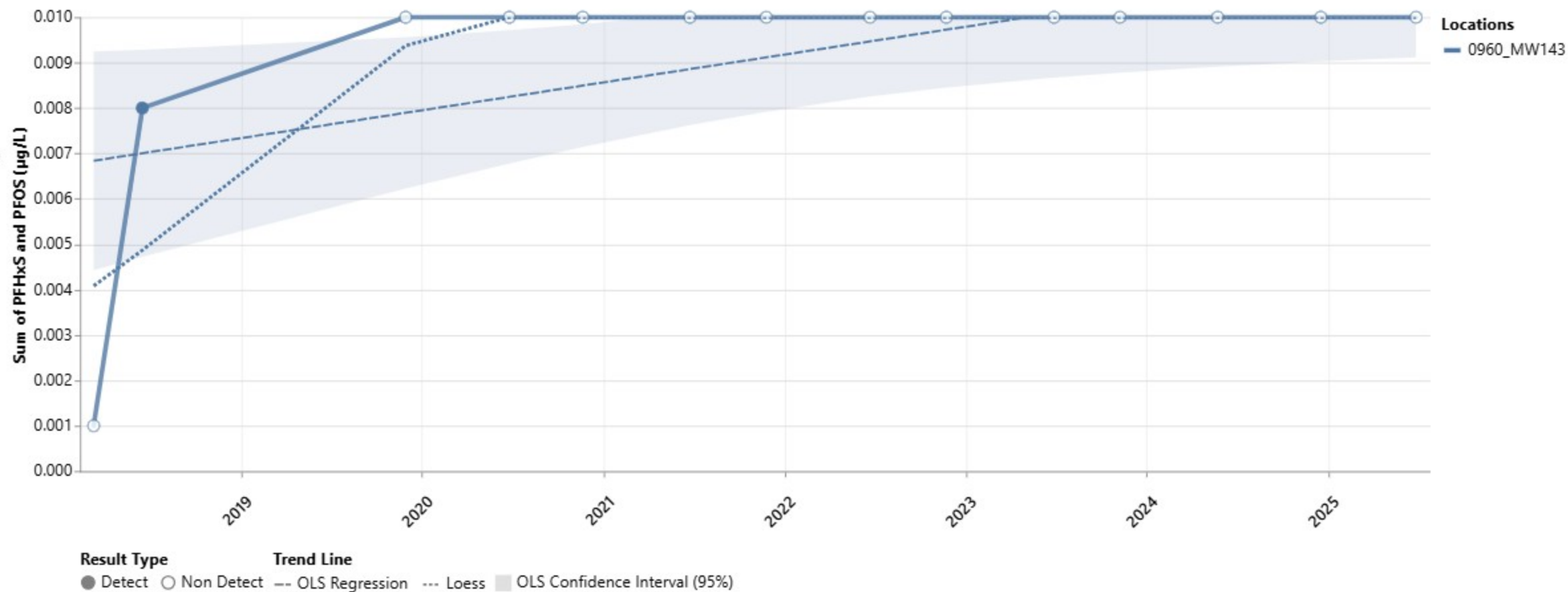
R: 0.5814

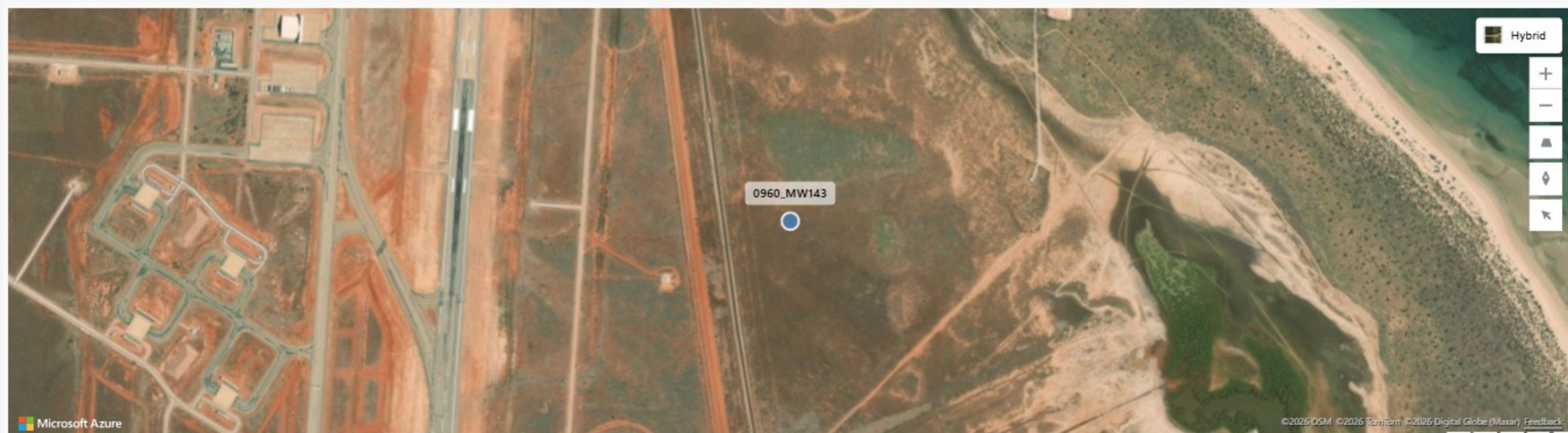
OLS Slope: 0.0000

OLS Intercept: 0.0068

Scale Estimate: 0.0021

P-value (Reg): 0.0292





Statistics

n: 14

Mann Kendall

S: 23

Z: 2.0000

Std Dev of S: 11.0000

Tabulated p-value: 0.1170

Approx p-value: 0.0228

OLS Regression

R-squared: 0.4631

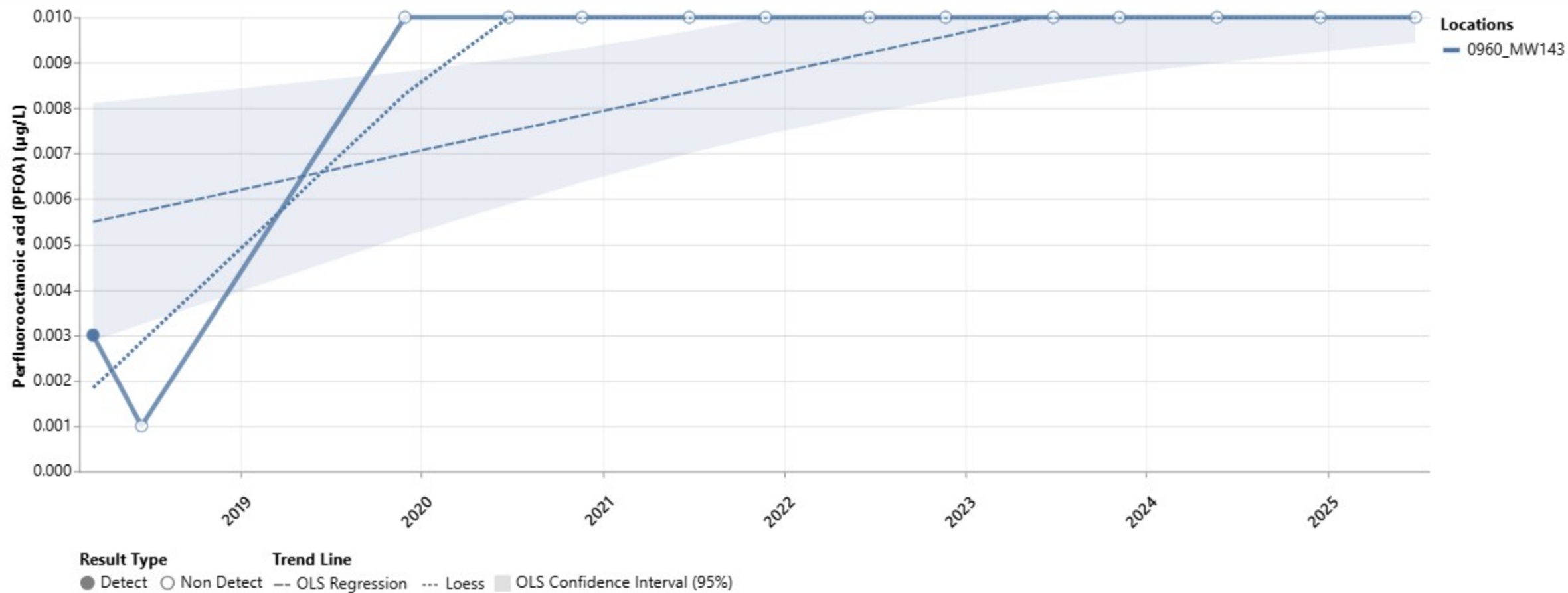
R: 0.6805

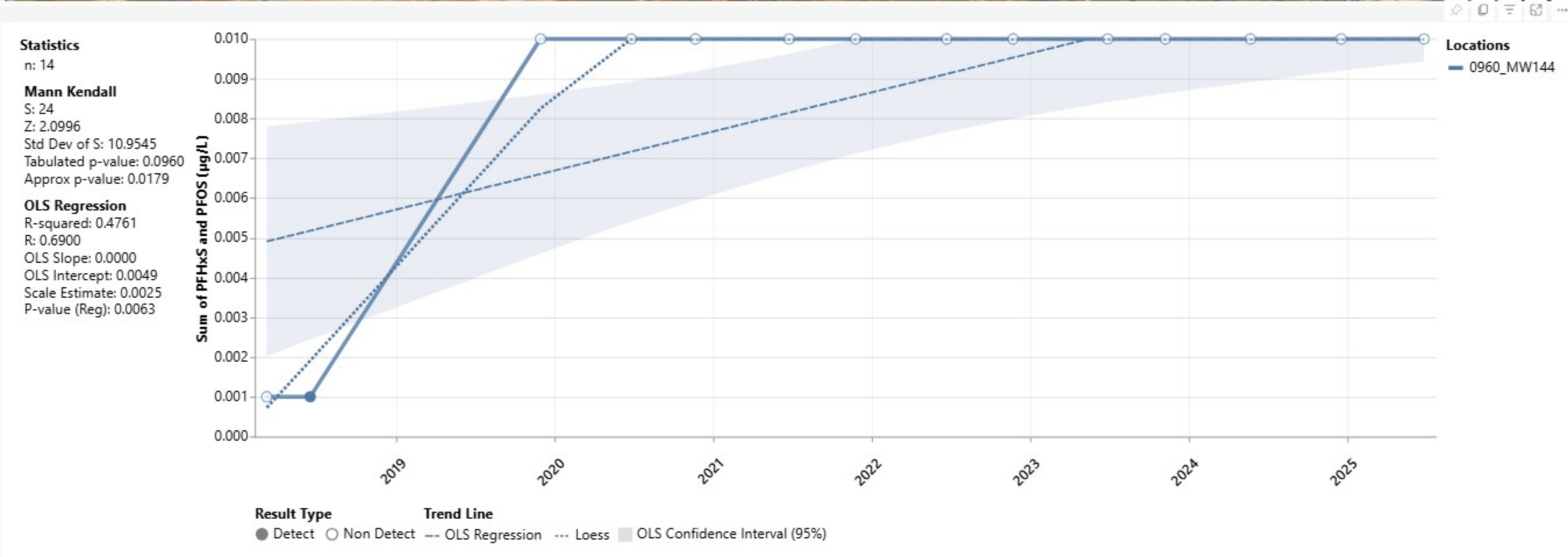
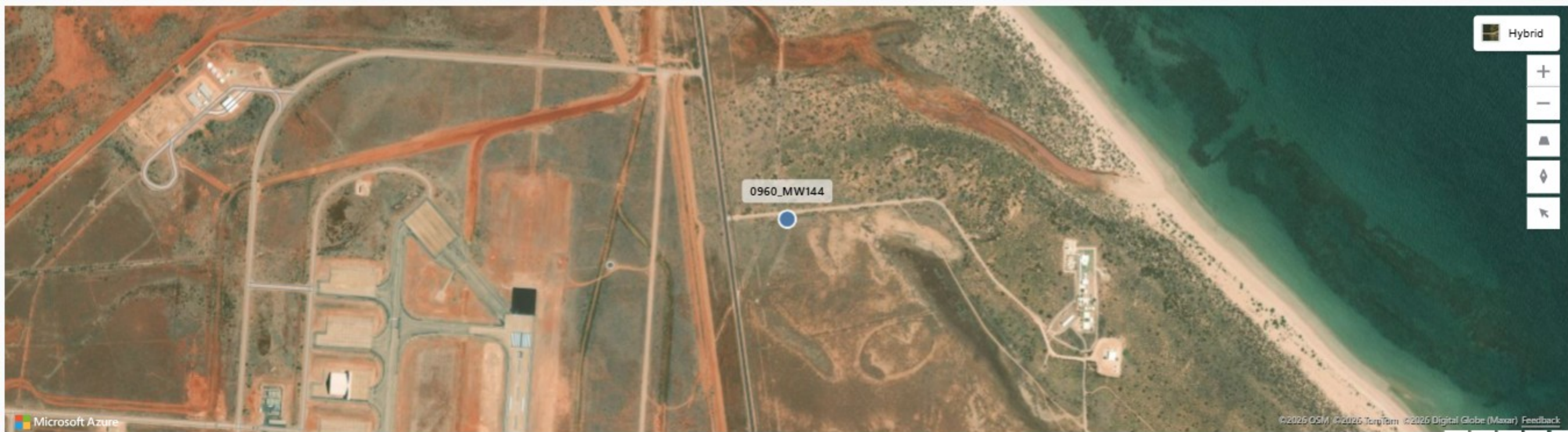
OLS Slope: 0.0000

OLS Intercept: 0.0055

Scale Estimate: 0.0022

P-value (Reg): 0.0074







Statistics

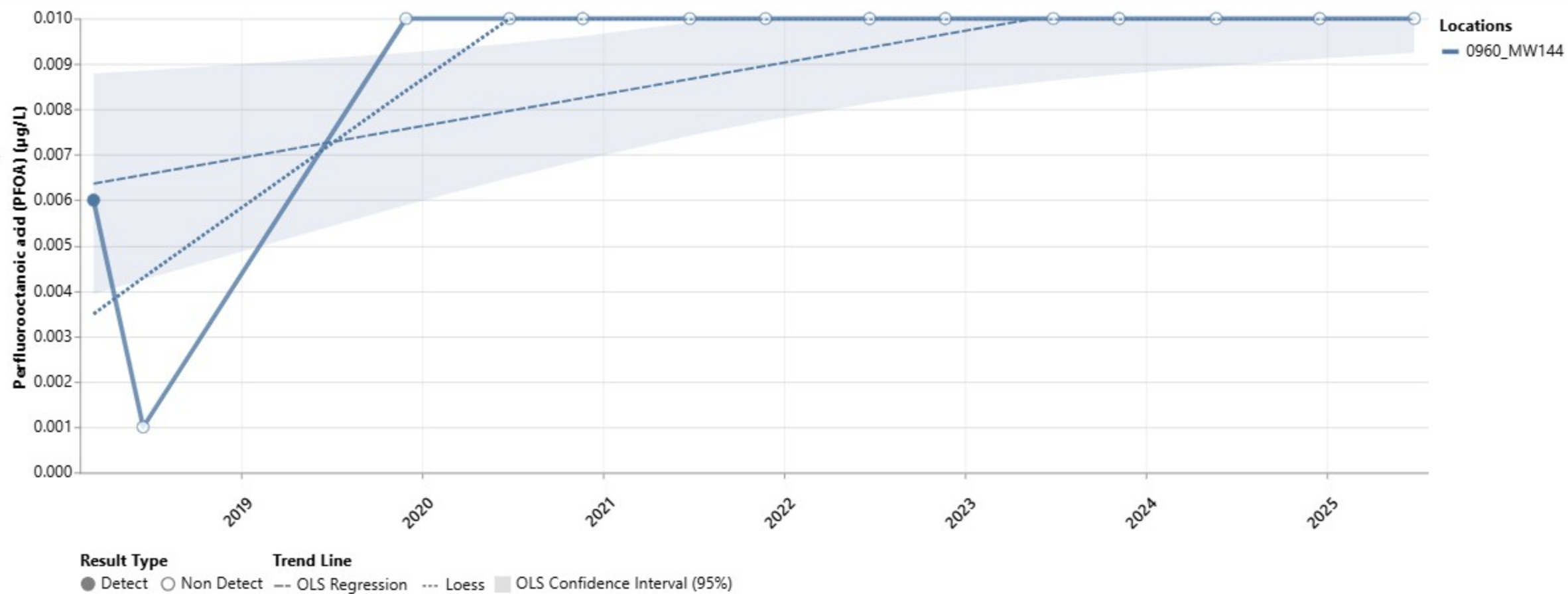
n: 14

Mann Kendall

S: 23
Z: 2.0000
Std Dev of S: 11.0000
Tabulated p-value: 0.1170
Approx p-value: 0.0228

OLS Regression

R-squared: 0.3947
R: 0.6283
OLS Slope: 0.0000
OLS Intercept: 0.0064
Scale Estimate: 0.0021
P-value (Reg): 0.0161





Statistics

n: 14

Mann Kendall

S: 23

Z: 2.0000

Std Dev of S: 11.0000

Tabulated p-value: 0.1170

Approx p-value: 0.0228

OLS Regression

R-squared: 0.4722

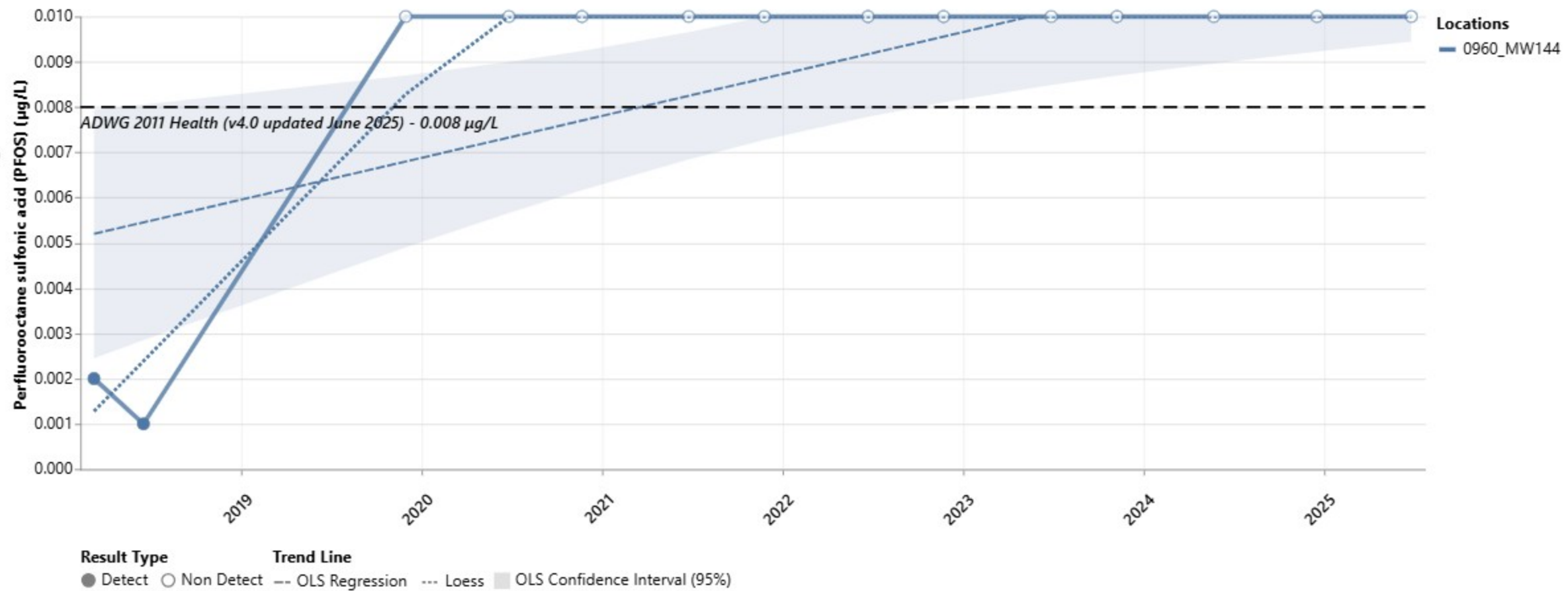
R: 0.6872

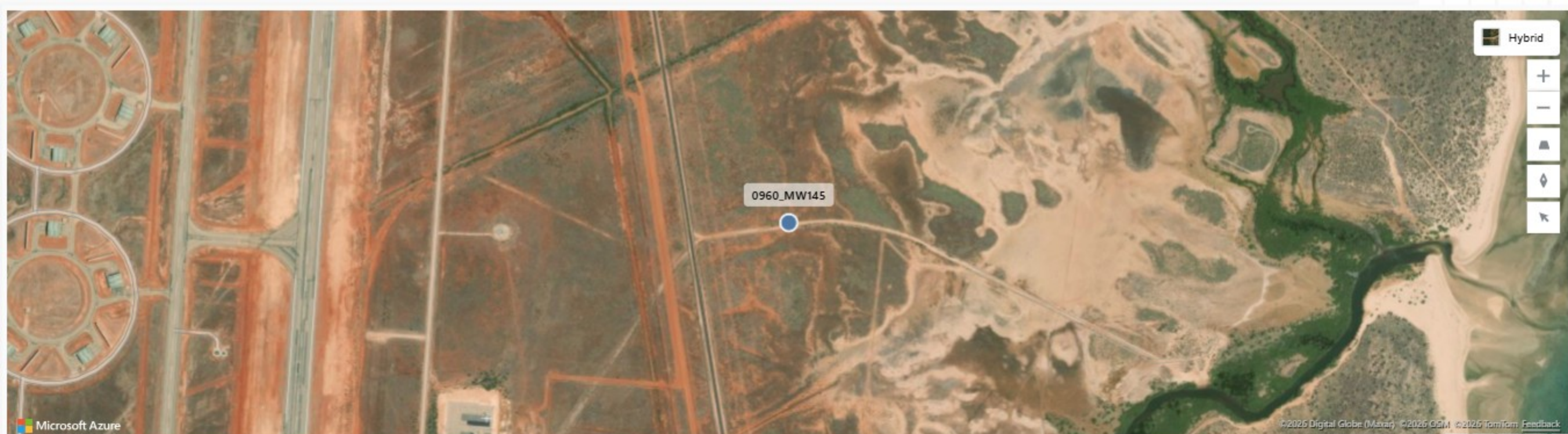
OLS Slope: 0.0000

OLS Intercept: 0.0052

Scale Estimate: 0.0023

P-value (Reg): 0.0066





Statistics

n: 14

Mann Kendall

S: 25

Z: 2.1818

Std Dev of S: 11.0000

Tabulated p-value: 0.0960

Approx p-value: 0.0146

OLS Regression

R-squared: 0.4429

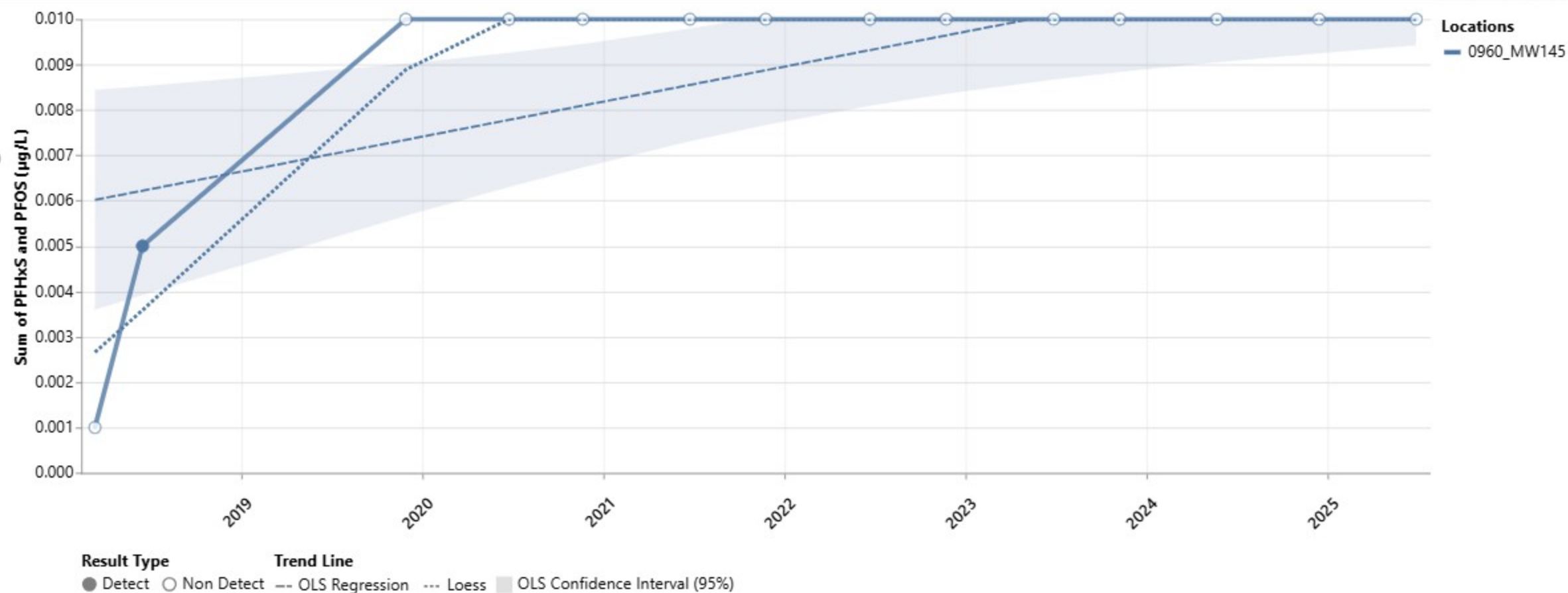
R: 0.6655

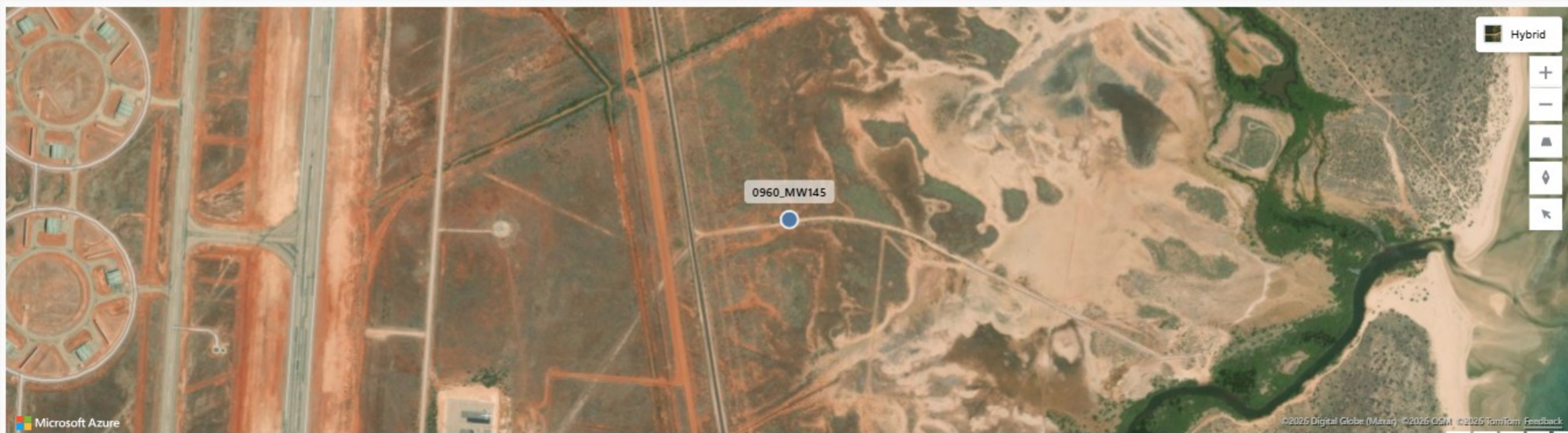
OLS Slope: 0.0000

OLS Intercept: 0.0060

Scale Estimate: 0.0021

P-value (Reg): 0.0094





Statistics

n: 14

Mann Kendall

S: 24

Z: 2.0996

Std Dev of S: 10.9545

Tabulated p-value: 0.0960

Approx p-value: 0.0179

OLS Regression

R-squared: 0.4755

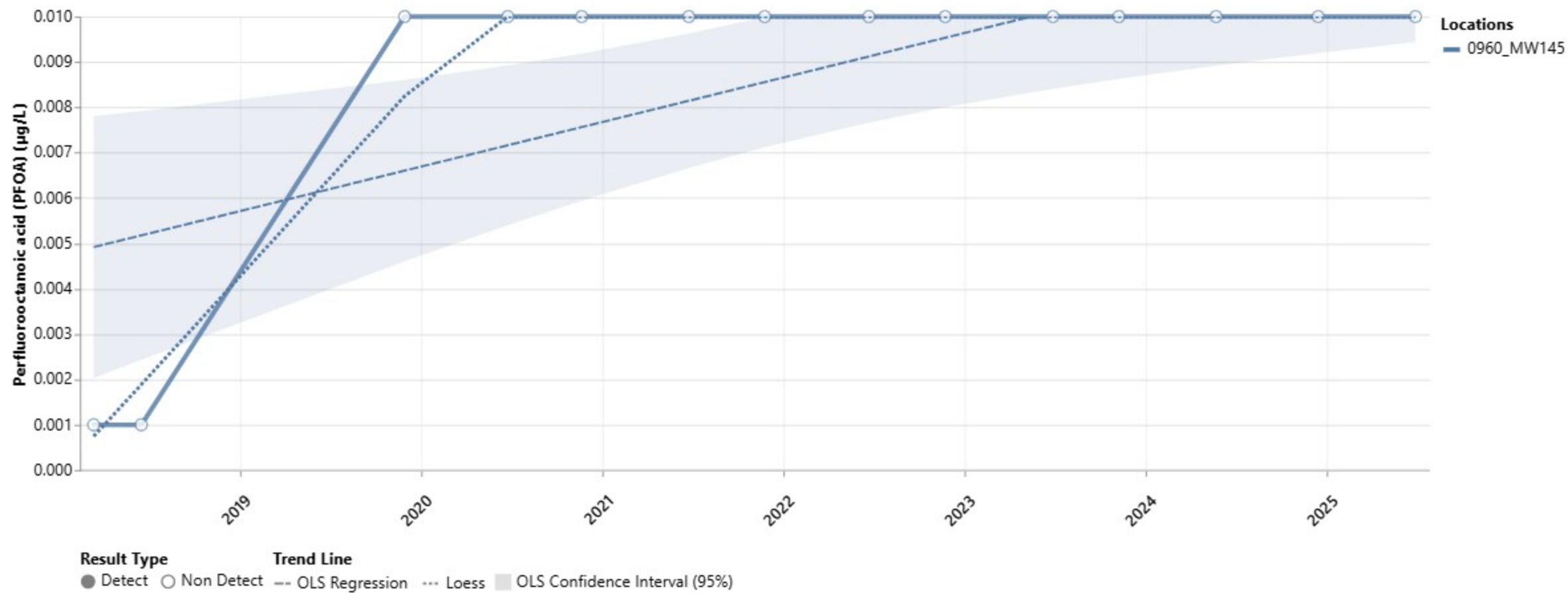
R: 0.6895

OLS Slope: 0.0000

OLS Intercept: 0.0049

Scale Estimate: 0.0025

P-value (Reg): 0.0064





Statistics

n: 14

Mann Kendall

S: 25

Z: 2.1818

Std Dev of S: 11.0000

Tabulated p-value: 0.0960

Approx p-value: 0.0146

OLS Regression

R-squared: 0.4660

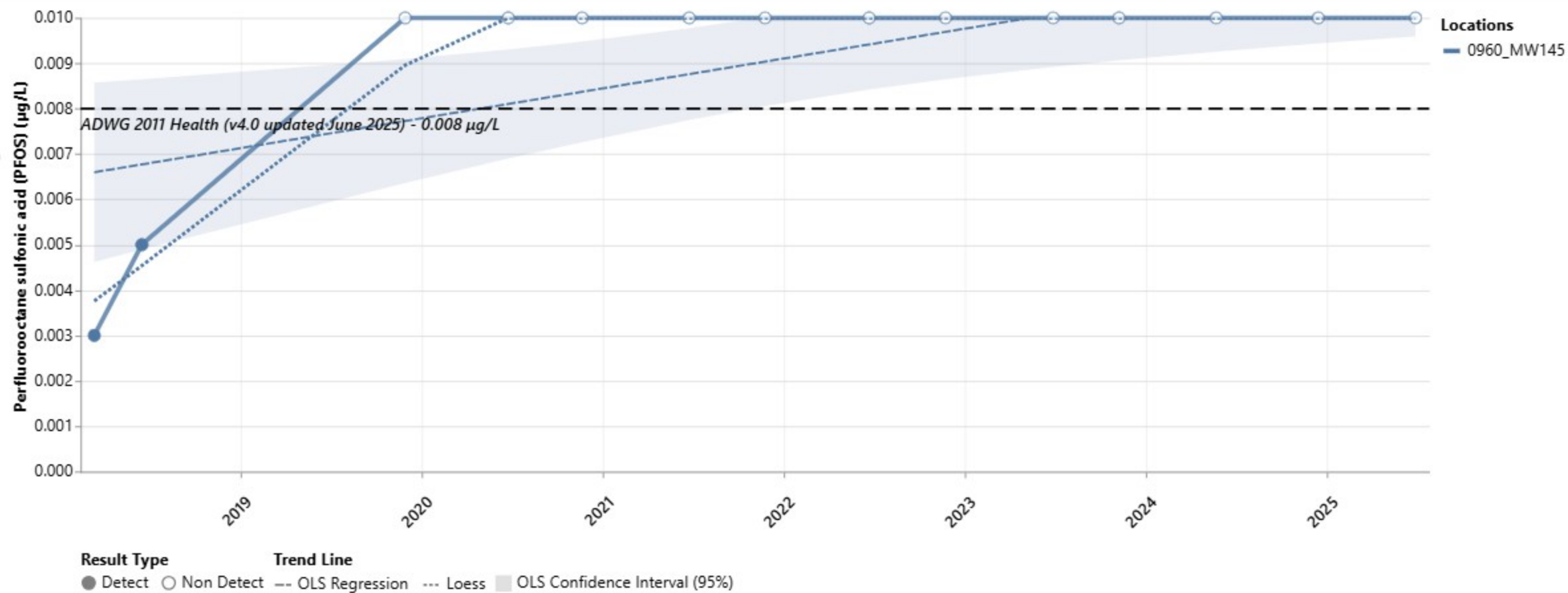
R: 0.6826

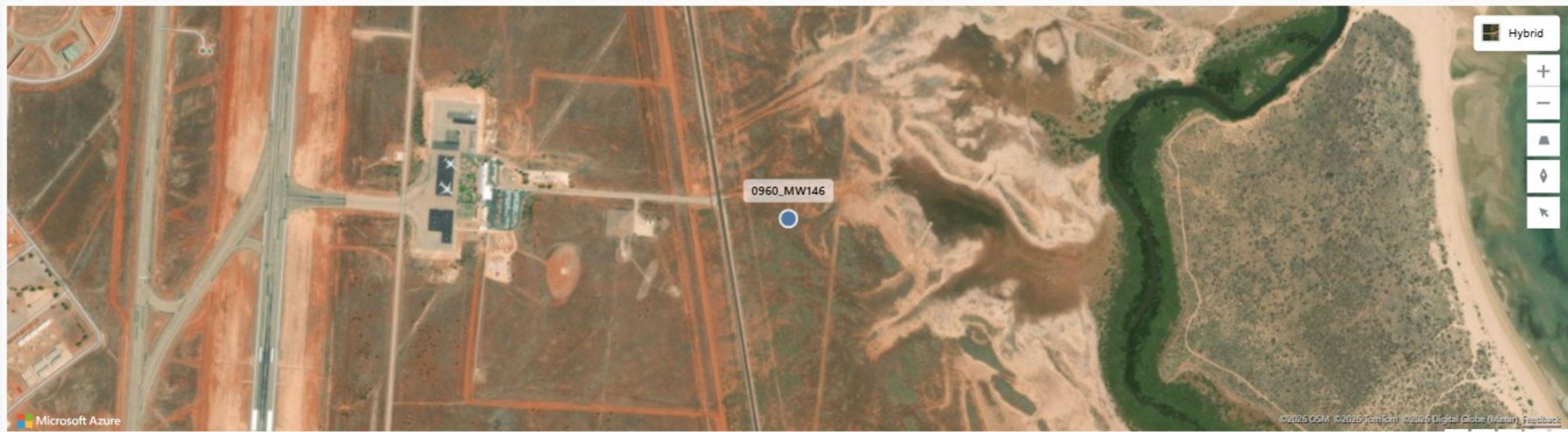
OLS Slope: 0.0000

OLS Intercept: 0.0066

Scale Estimate: 0.0017

P-value (Reg): 0.0071





Statistics

n: 14

Mann Kendall

S: 25

Z: 2.1818

Std Dev of S: 11.0000

Tabulated p-value: 0.0960

Approx p-value: 0.0146

OLS Regression

R-squared: 0.4671

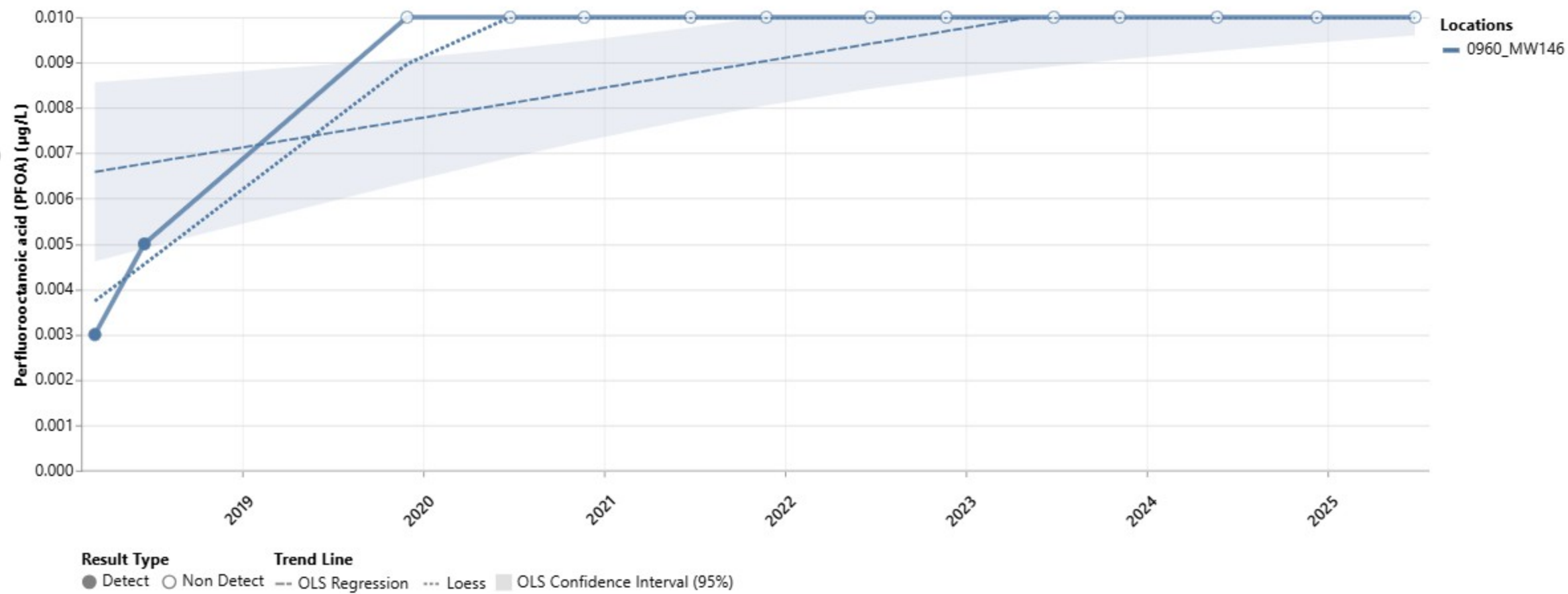
R: 0.6834

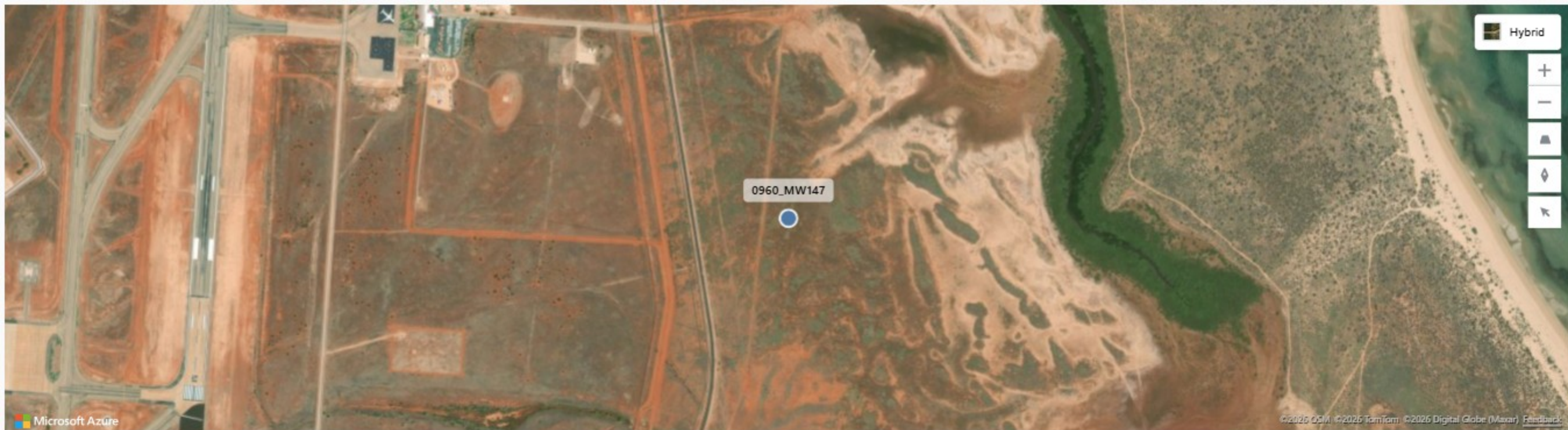
OLS Slope: 0.0000

OLS Intercept: 0.0066

Scale Estimate: 0.0017

P-value (Reg): 0.0070





Statistics

n: 14

Mann Kendall

S: 25

Z: 2.1818

Std Dev of S: 11.0000

Tabulated p-value: 0.0960

Approx p-value: 0.0146

OLS Regression

R-squared: 0.3821

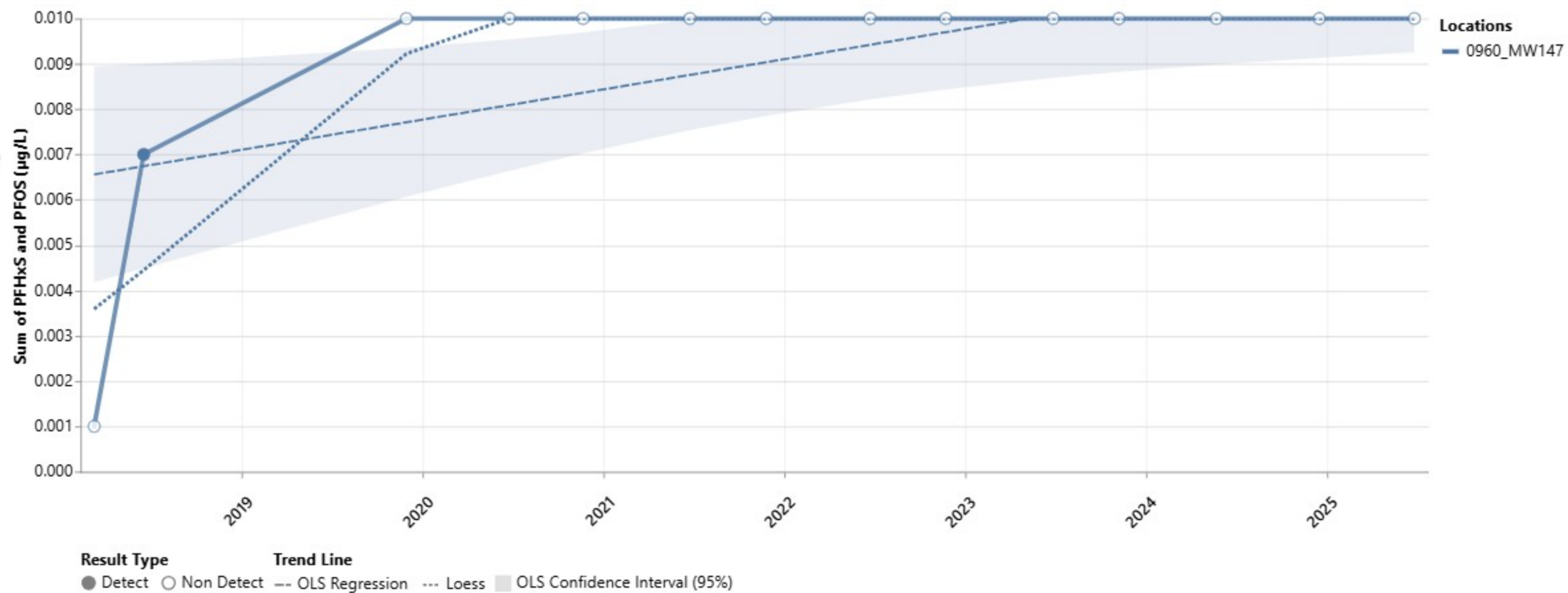
R: 0.6182

OLS Slope: 0.0000

OLS Intercept: 0.0066

Scale Estimate: 0.0020

P-value (Reg): 0.0185





Statistics

n: 14

Mann Kendall

S: 25

Z: 2.1818

Std Dev of S: 11.0000

Tabulated p-value: 0.0960

Approx p-value: 0.0146

OLS Regression

R-squared: 0.4558

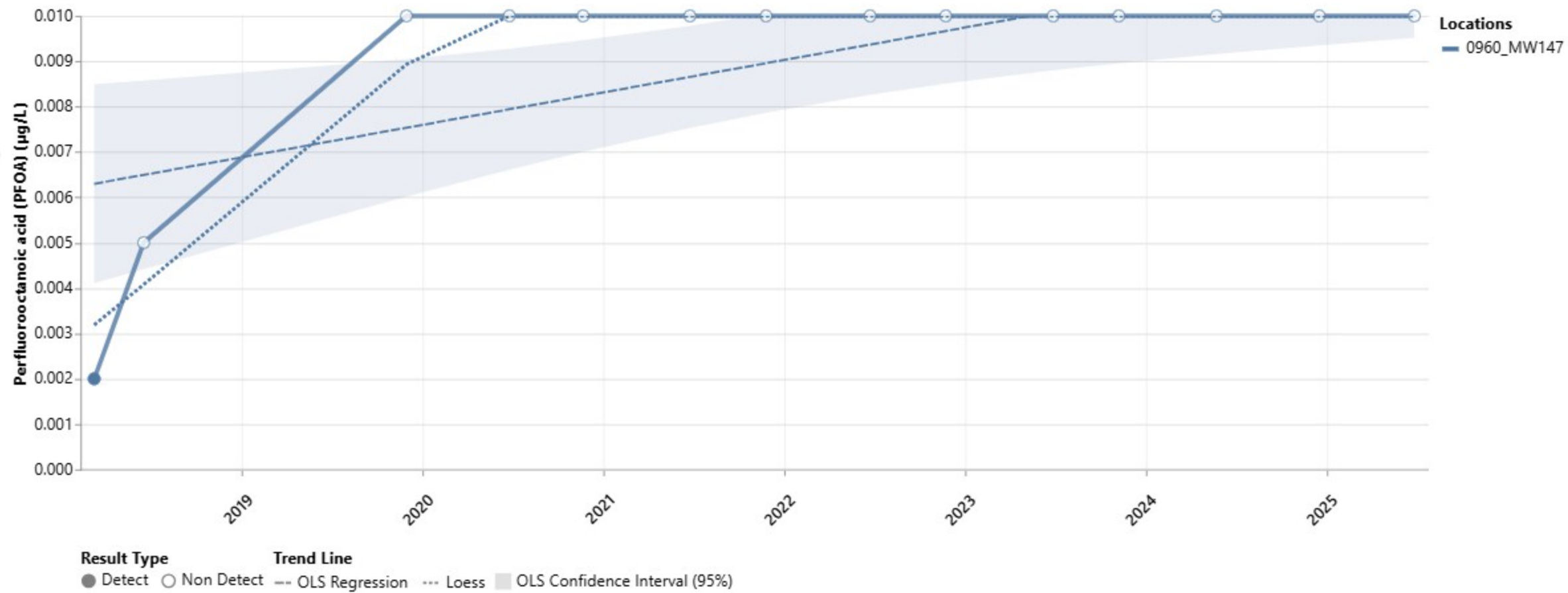
R: 0.6751

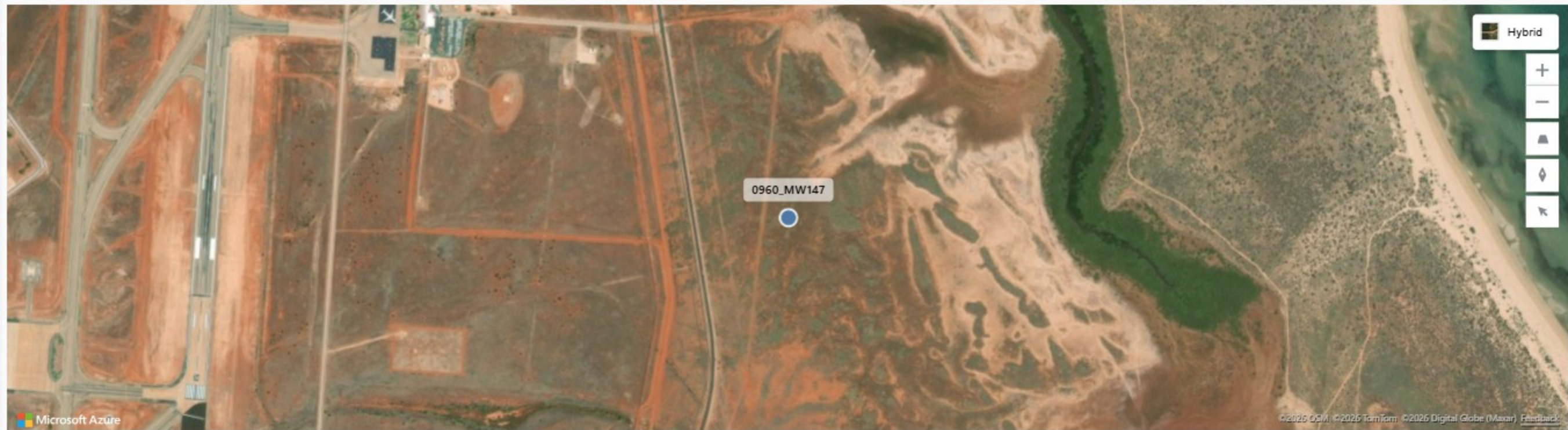
OLS Slope: 0.0000

OLS Intercept: 0.0063

Scale Estimate: 0.0019

P-value (Reg): 0.0081





Statistics

n: 14

Mann Kendall

S: 25

Z: 2.1818

Std Dev of S: 11.0000

Tabulated p-value: 0.0960

Approx p-value: 0.0146

OLS Regression

R-squared: 0.4558

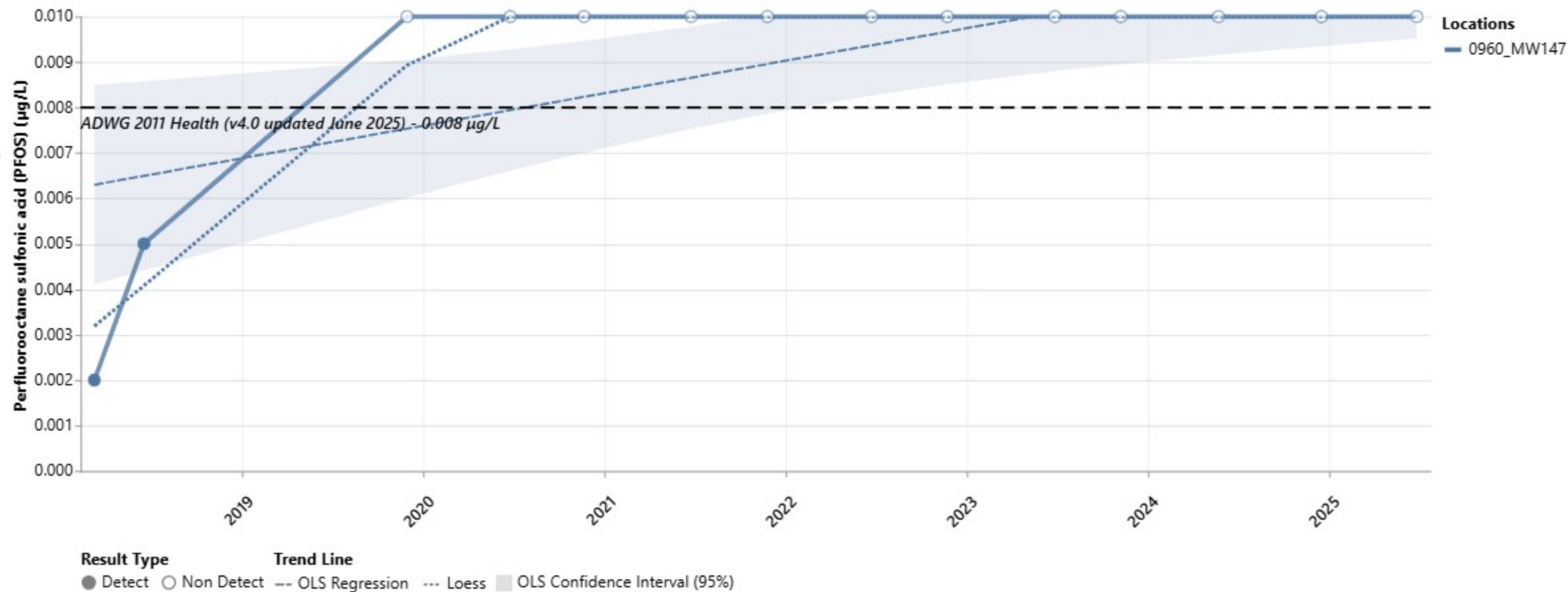
R: 0.6751

OLS Slope: 0.0000

OLS Intercept: 0.0063

Scale Estimate: 0.0019

P-value (Reg): 0.0081





Statistics

n: 13

Mann Kendall

S: -32

Z: -1.9873

Std Dev of S: 15.5991

Tabulated p-value: 0.0290

Approx p-value: 0.0234

OLS Regression

R-squared: 0.3563

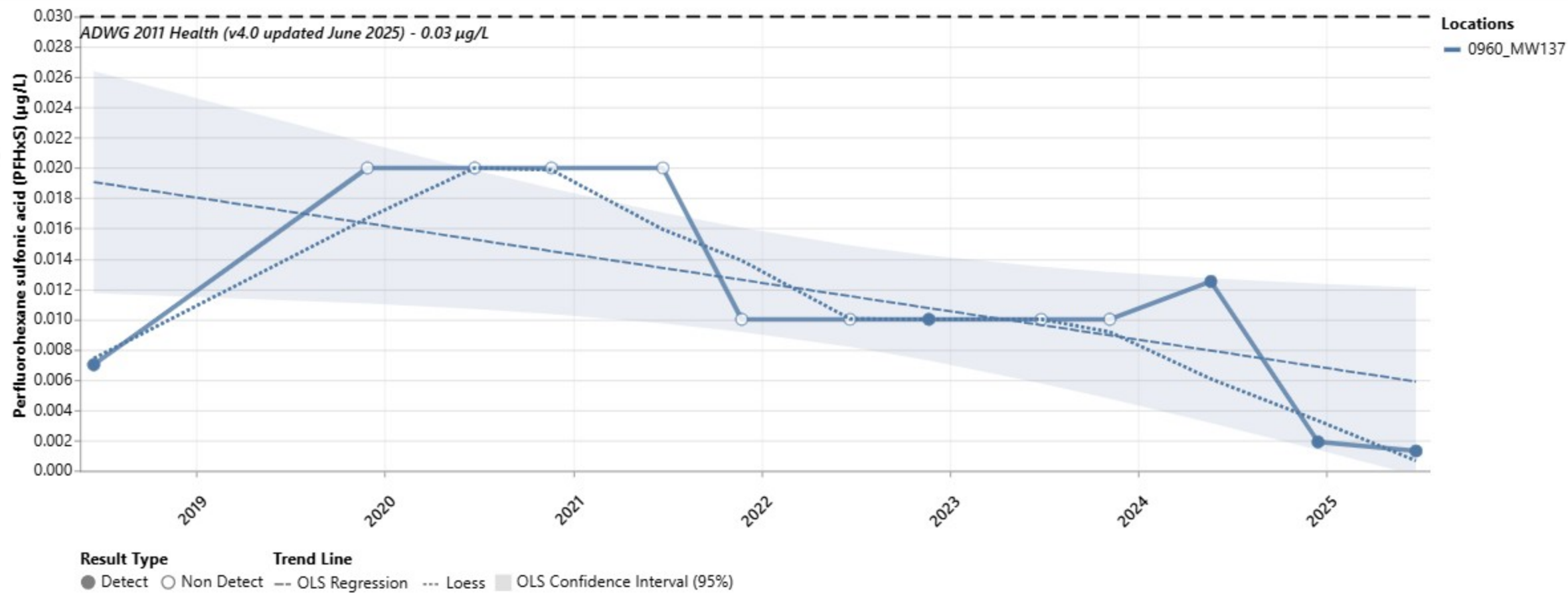
R: -0.5969

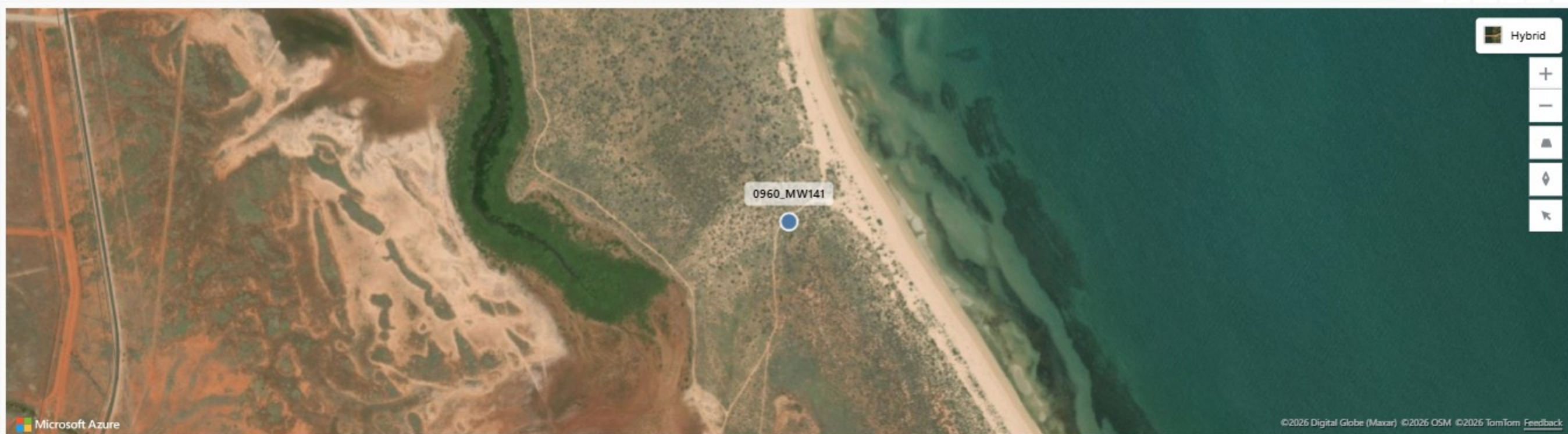
OLS Slope: 0.0000

OLS Intercept: 0.0191

Scale Estimate: 0.0055

P-value (Reg): 0.0313





Statistics

n: 14

Mann Kendall

S: -37

Z: -2.0569

Std Dev of S: 17.5024

Tabulated p-value: 0.0240

Approx p-value: 0.0198

OLS Regression

R-squared: 0.0844

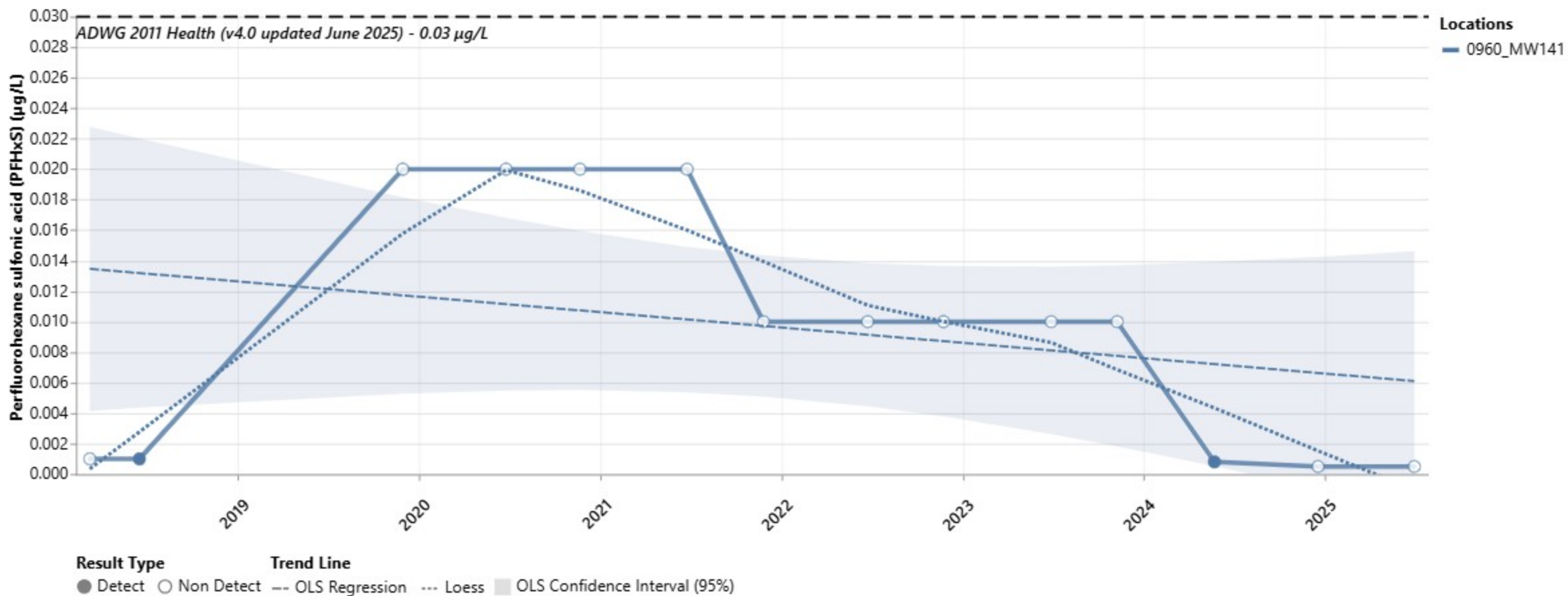
R: -0.2905

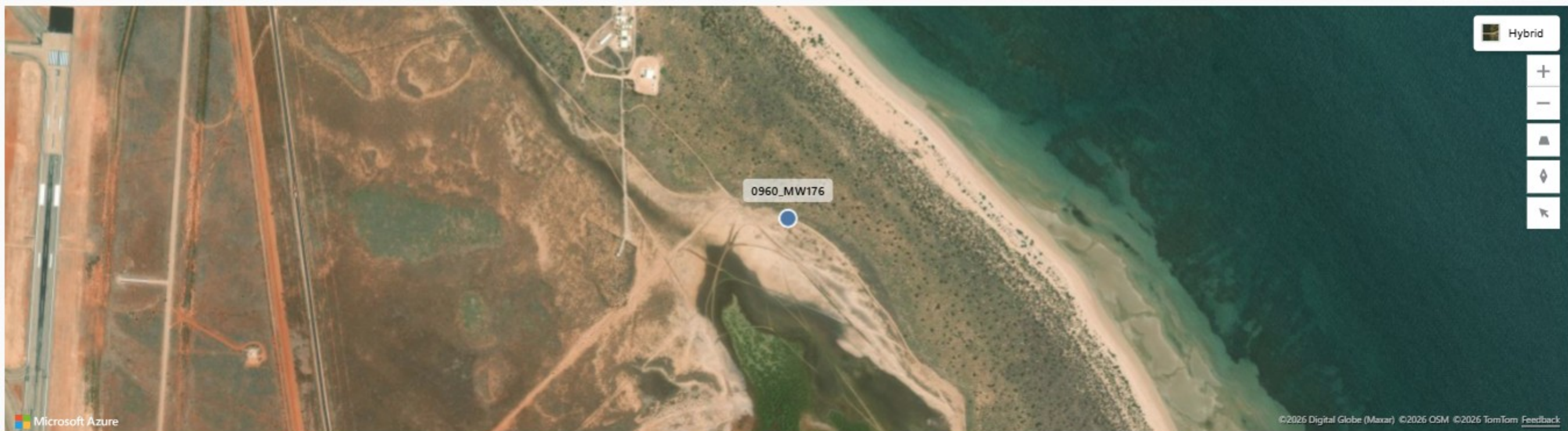
OLS Slope: 0.0000

OLS Intercept: 0.0135

Scale Estimate: 0.0079

P-value (Reg): 0.3136





Statistics

n: 13

Mann Kendall

S: -42

Z: -2.6283

Std Dev of S: 15.5991

Tabulated p-value: 0.0050

Approx p-value: 0.0043

OLS Regression

R-squared: 0.2871

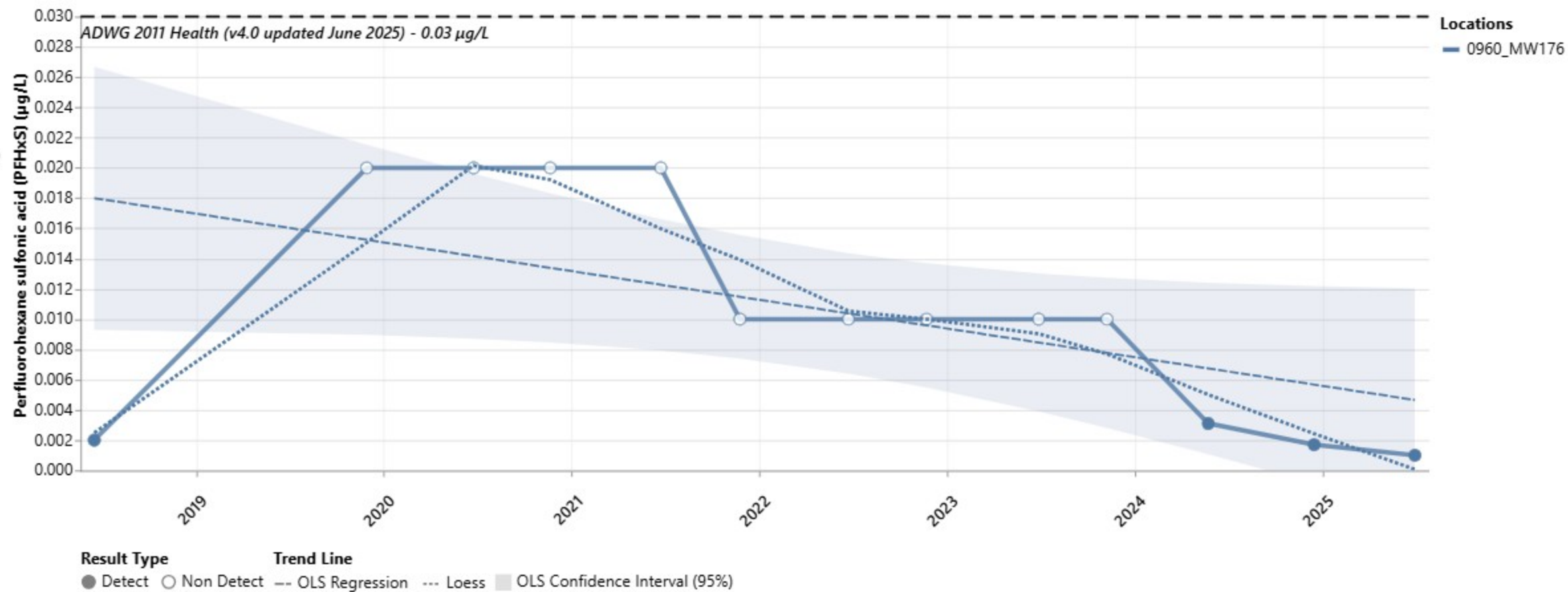
R: -0.5359

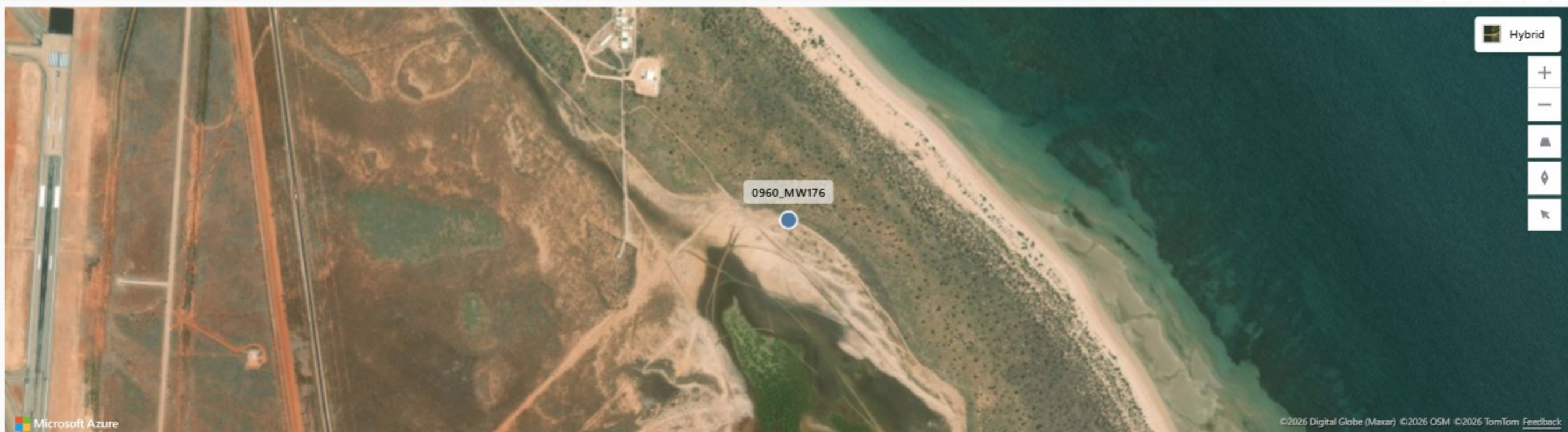
OLS Slope: 0.0000

OLS Intercept: 0.0180

Scale Estimate: 0.0065

P-value (Reg): 0.0591





Statistics

n: 13

Mann Kendall

S: -24

Z: -1.7304

Std Dev of S: 13.2916

Tabulated p-value: 0.0820

Approx p-value: 0.0418

OLS Regression

R-squared: 0.2434

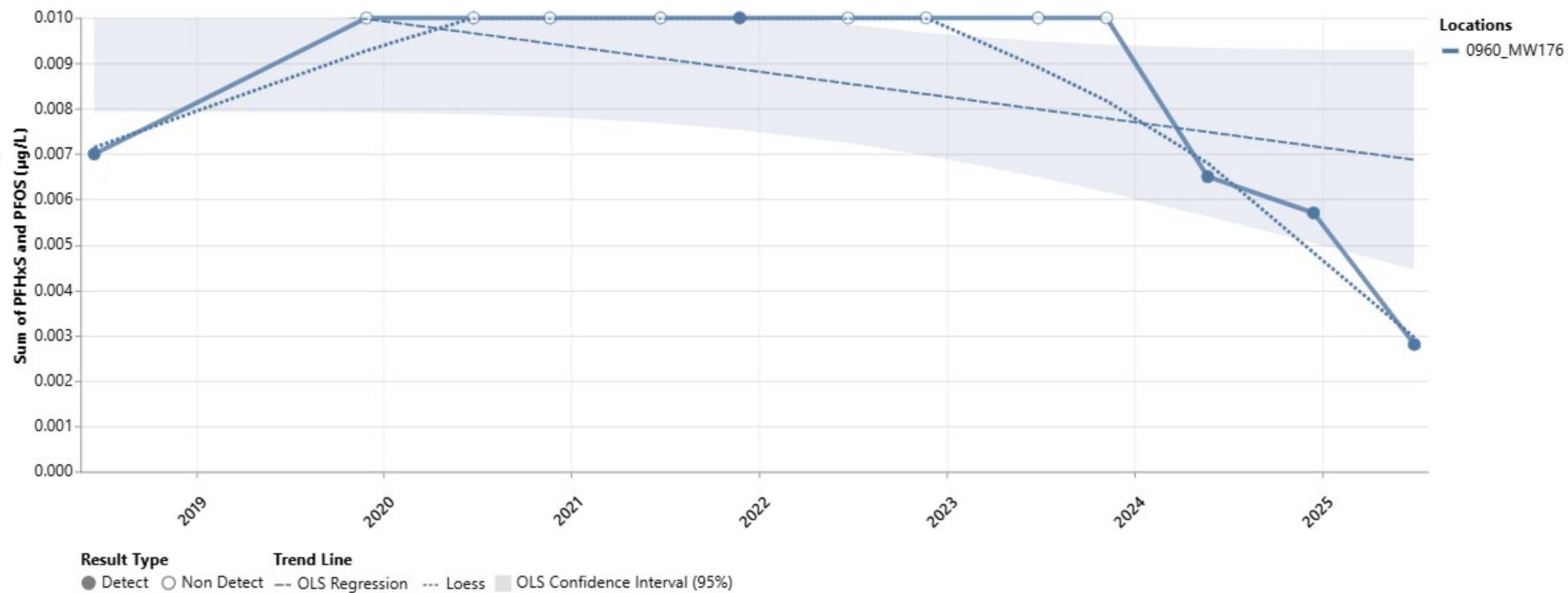
R: -0.4933

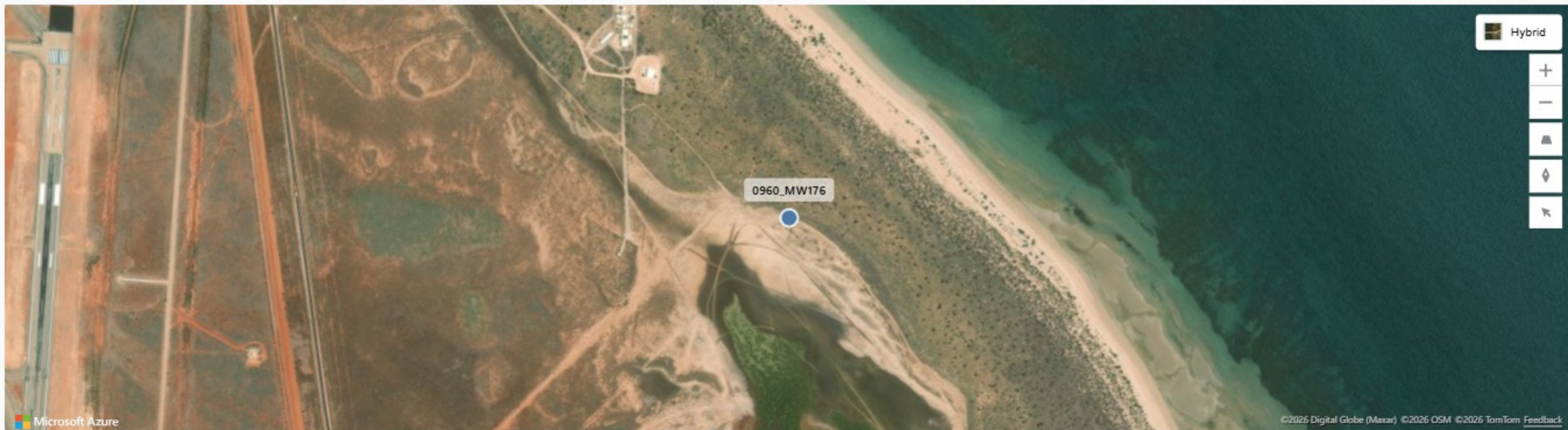
OLS Slope: 0.0000

OLS Intercept: 0.0108

Scale Estimate: 0.0021

P-value (Reg): 0.0867





Statistics

n: 13

Mann Kendall

S: -23

Z: -1.6599

Std Dev of S: 13.2539

Tabulated p-value: 0.0820

Approx p-value: 0.0485

OLS Regression

R-squared: 0.2677

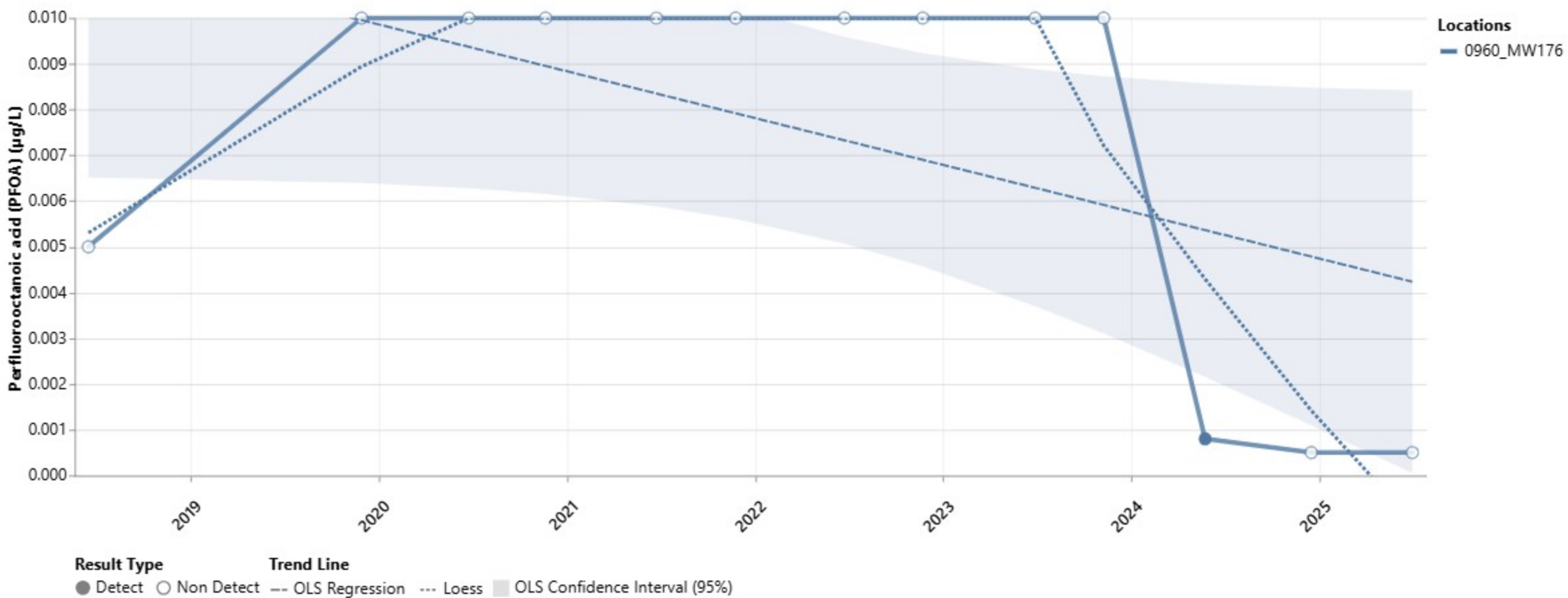
R: -0.5174

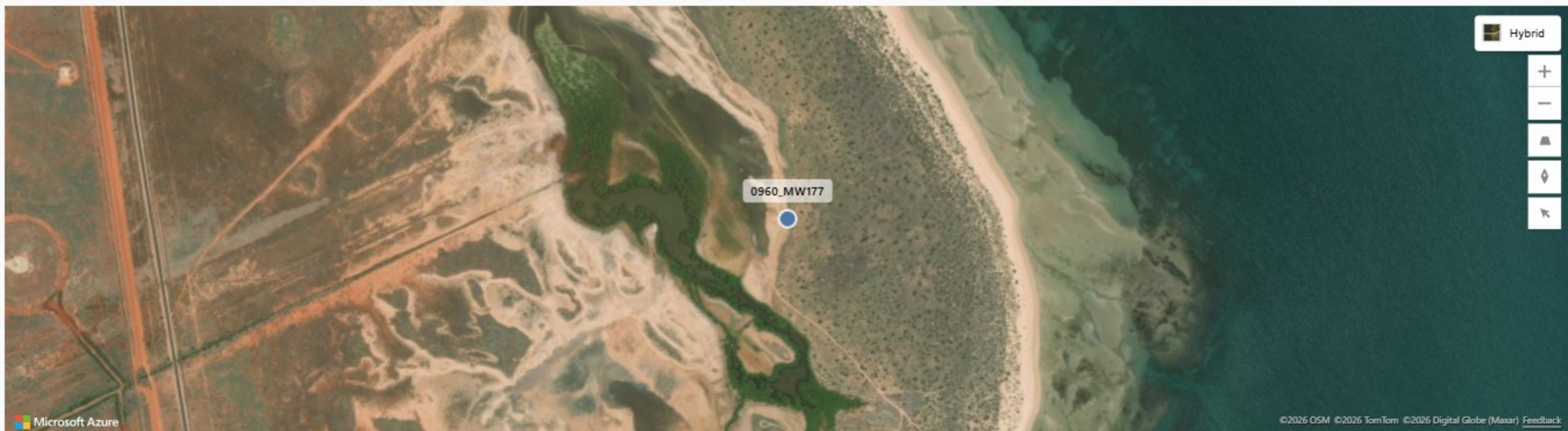
OLS Slope: 0.0000

OLS Intercept: 0.0114

Scale Estimate: 0.0037

P-value (Reg): 0.0702





Statistics

n: 13

Mann Kendall

S: -40

Z: -2.5001

Std Dev of S: 15.5991

Tabulated p-value: 0.0070

Approx p-value: 0.0062

OLS Regression

R-squared: 0.2905

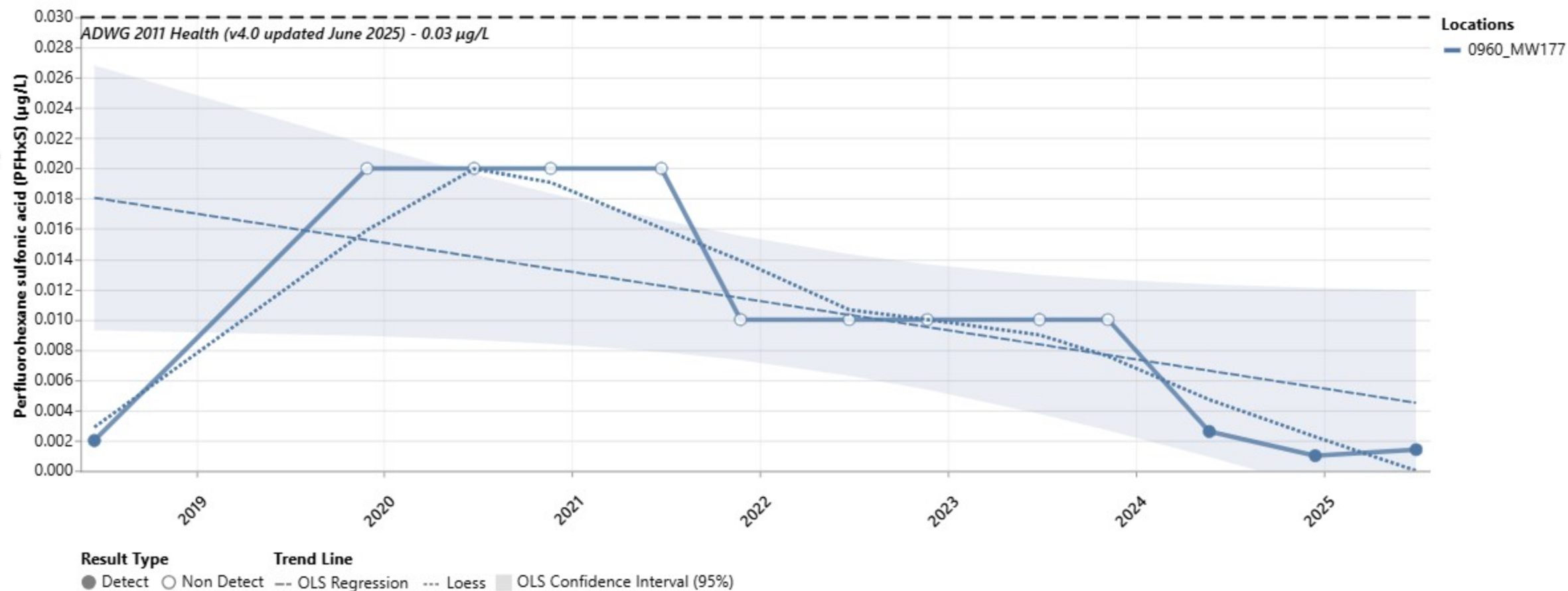
R: -0.5390

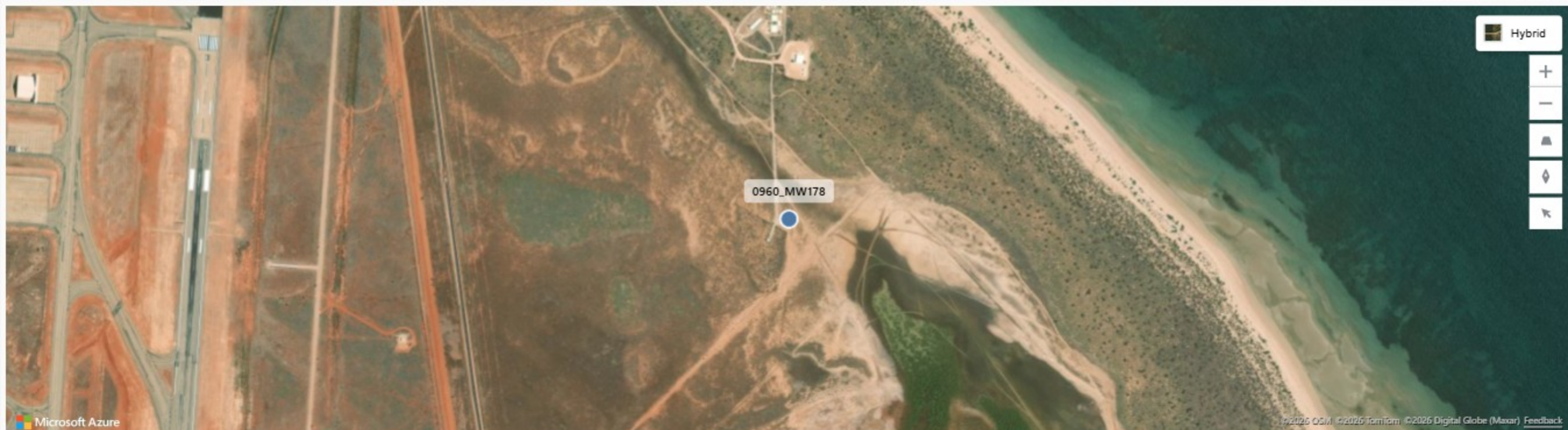
OLS Slope: 0.0000

OLS Intercept: 0.0181

Scale Estimate: 0.0066

P-value (Reg): 0.0573





Statistics

n: 13

Mann Kendall

S: -44

Z: -2.7566

Std Dev of S: 15.5991

Tabulated p-value: 0.0030

Approx p-value: 0.0029

OLS Regression

R-squared: 0.3471

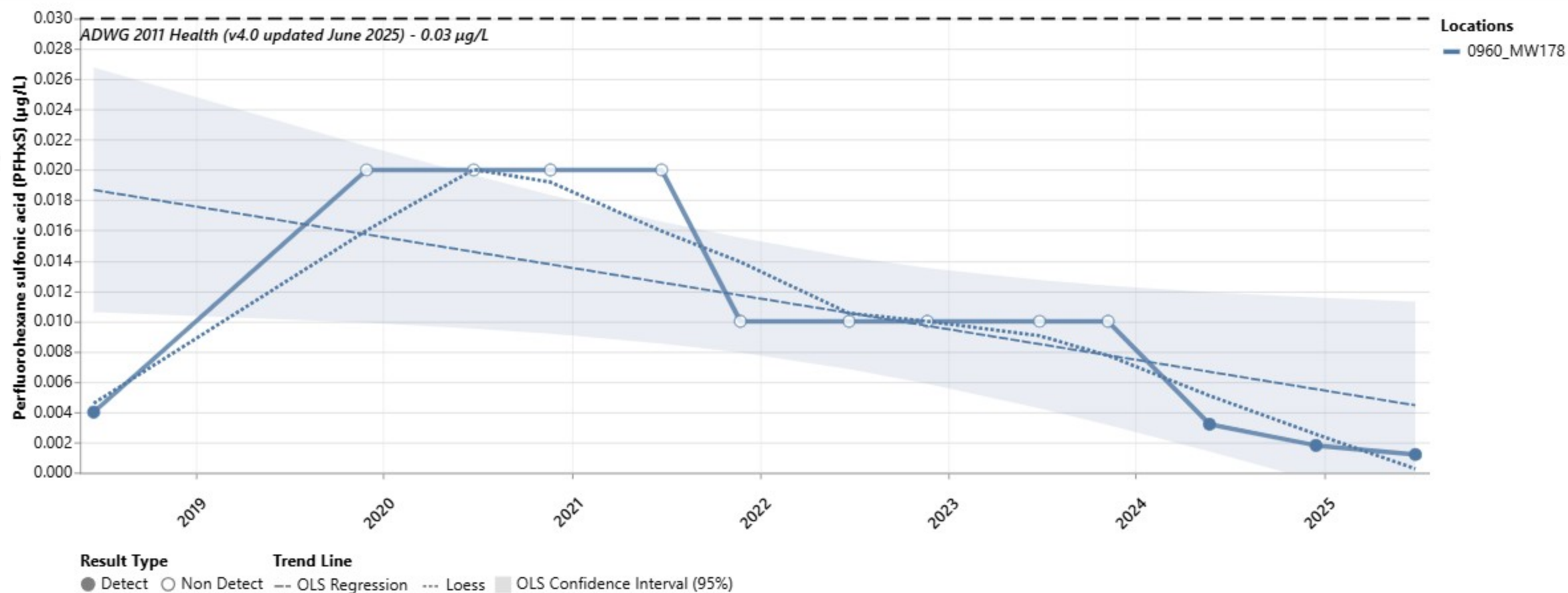
R: -0.5891

OLS Slope: 0.0000

OLS Intercept: 0.0187

Scale Estimate: 0.0061

P-value (Reg): 0.0341





Statistics

n: 13

Mann Kendall

S: -23

Z: -1.6599

Std Dev of S: 13.2539

Tabulated p-value: 0.0820

Approx p-value: 0.0485

OLS Regression

R-squared: 0.2681

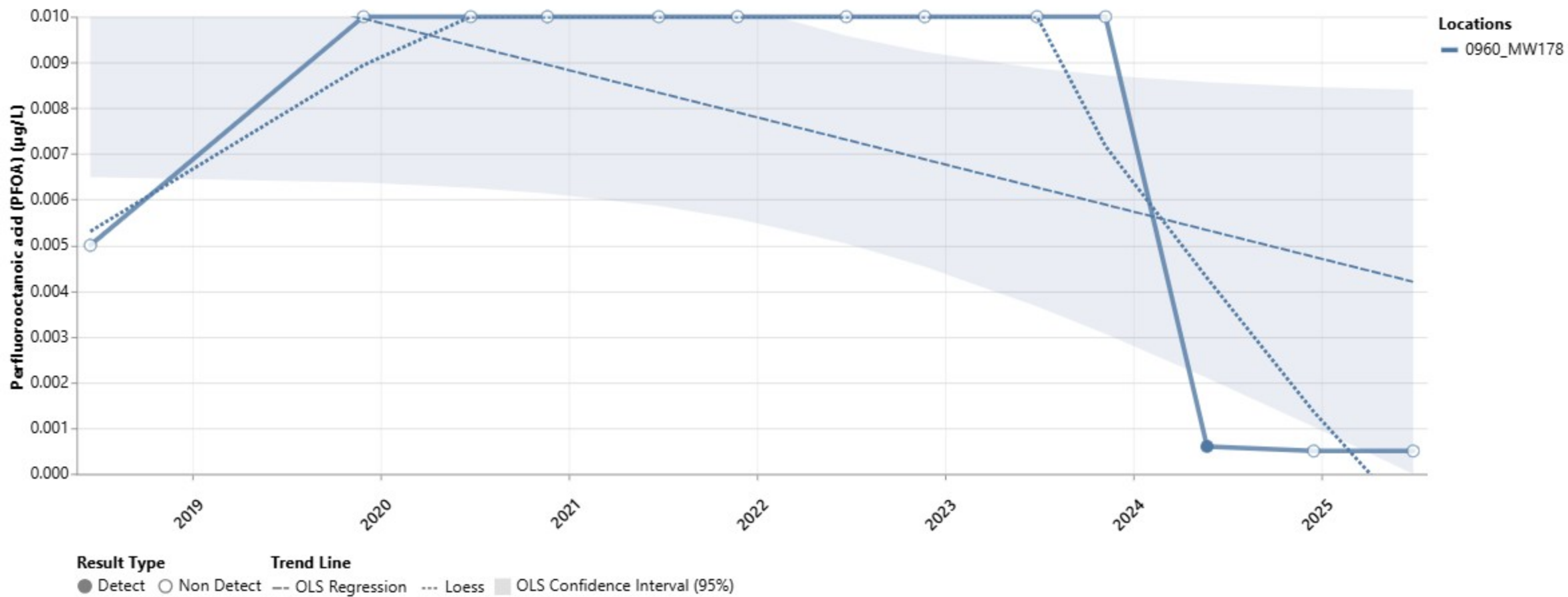
R: -0.5178

OLS Slope: 0.0000

OLS Intercept: 0.0115

Scale Estimate: 0.0037

P-value (Reg): 0.0699





Statistics

n: 13

Mann Kendall

S: -42

Z: -3.0847

Std Dev of S: 13.2916

Tabulated p-value: 0.0050

Approx p-value: 0.0010

OLS Regression

R-squared: 0.5620

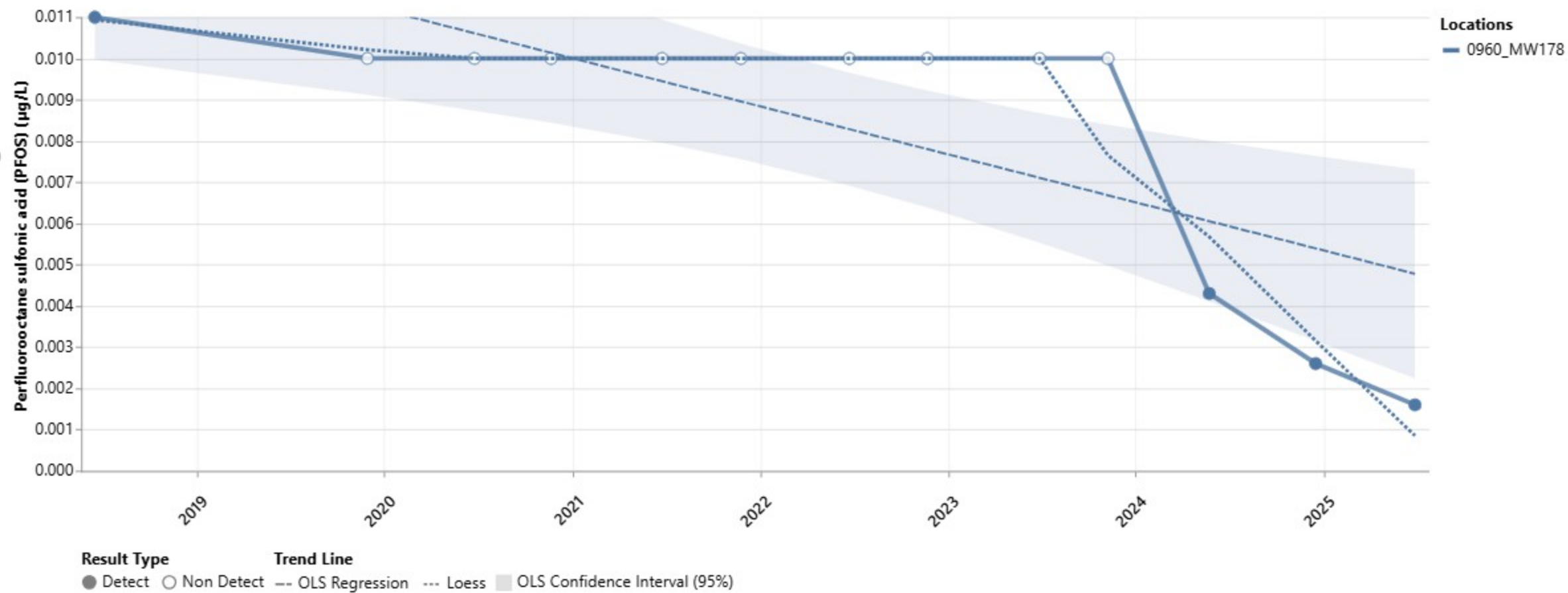
R: -0.7497

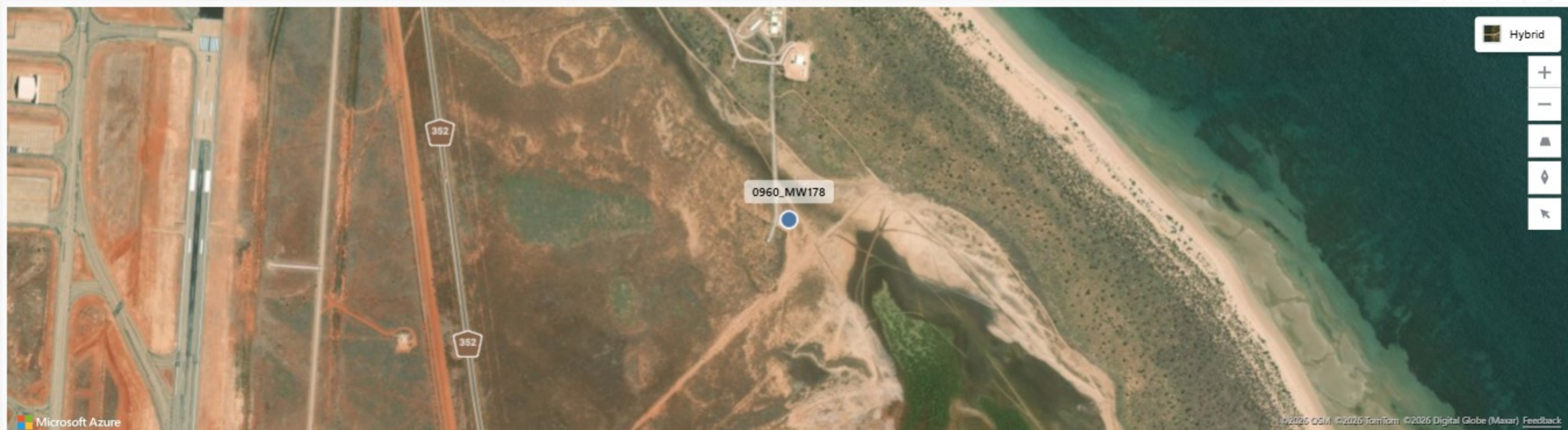
OLS Slope: 0.0000

OLS Intercept: 0.0130

Scale Estimate: 0.0022

P-value (Reg): 0.0032





Statistics

n: 13

Mann Kendall

S: -42

Z: -3.0847

Std Dev of S: 13.2916

Tabulated p-value: 0.0050

Approx p-value: 0.0010

OLS Regression

R-squared: 0.6383

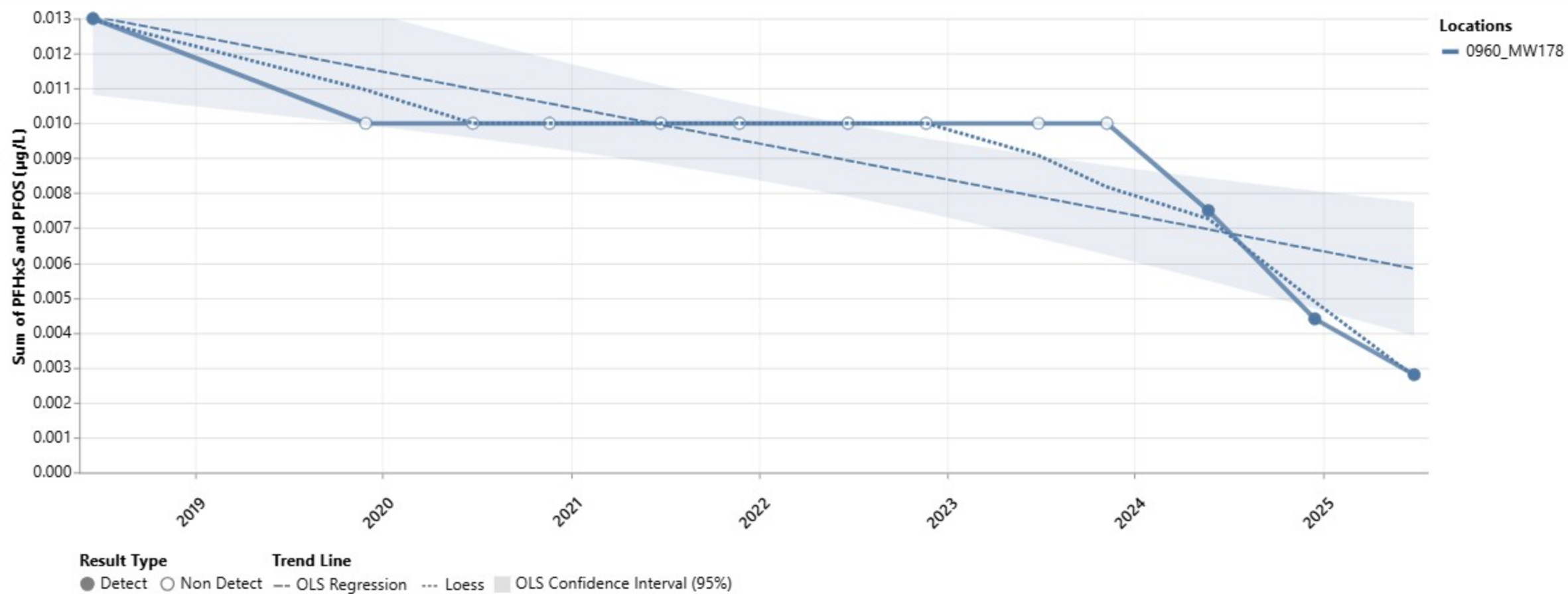
R: -0.7989

OLS Slope: 0.0000

OLS Intercept: 0.0131

Scale Estimate: 0.0017

P-value (Reg): 0.0011



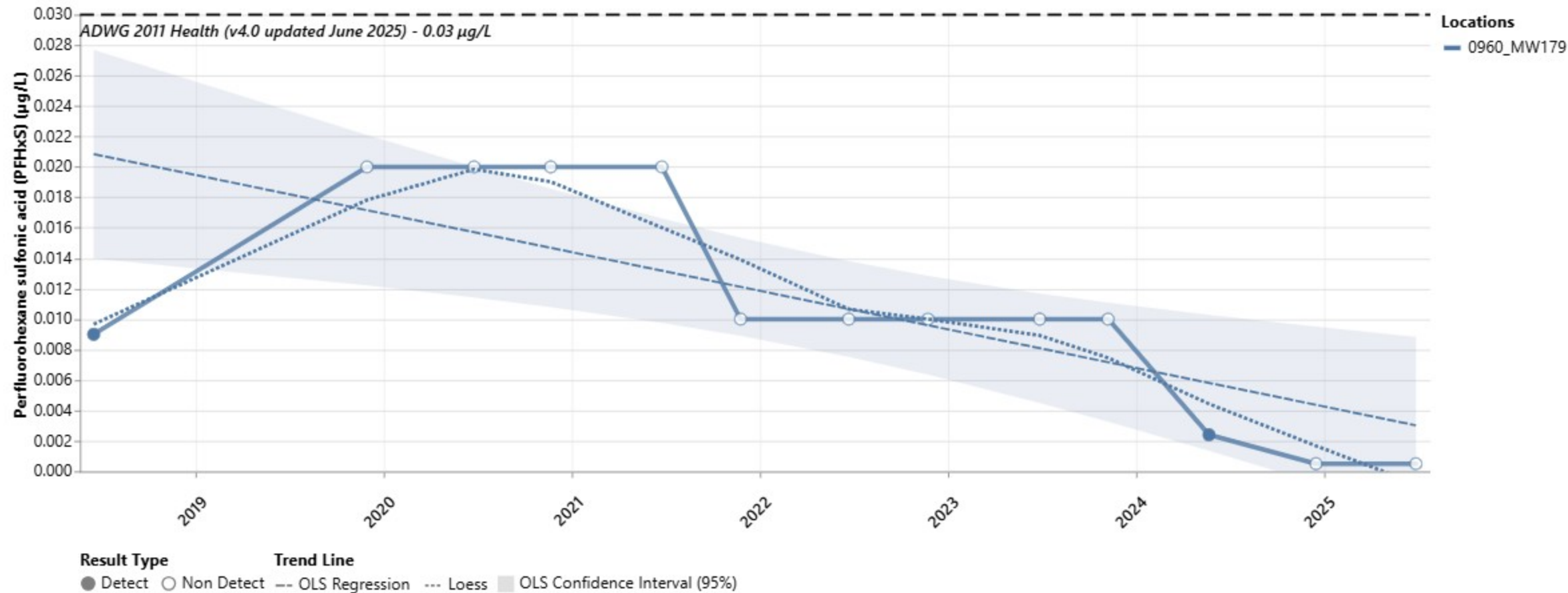


Statistics

n: 13
Mann Kendall
S: -43
Z: -2.6980
Std Dev of S: 15.5671
Tabulated p-value: 0.0030
Approx p-value: 0.0035

OLS Regression

R-squared: 0.5360
R: -0.7322
OLS Slope: 0.0000
OLS Intercept: 0.0208
Scale Estimate: 0.0051
P-value (Reg): 0.0044





Statistics

n: 13

Mann Kendall

S: -23

Z: -1.6599

Std Dev of S: 13.2539

Tabulated p-value: 0.0820

Approx p-value: 0.0485

OLS Regression

R-squared: 0.1809

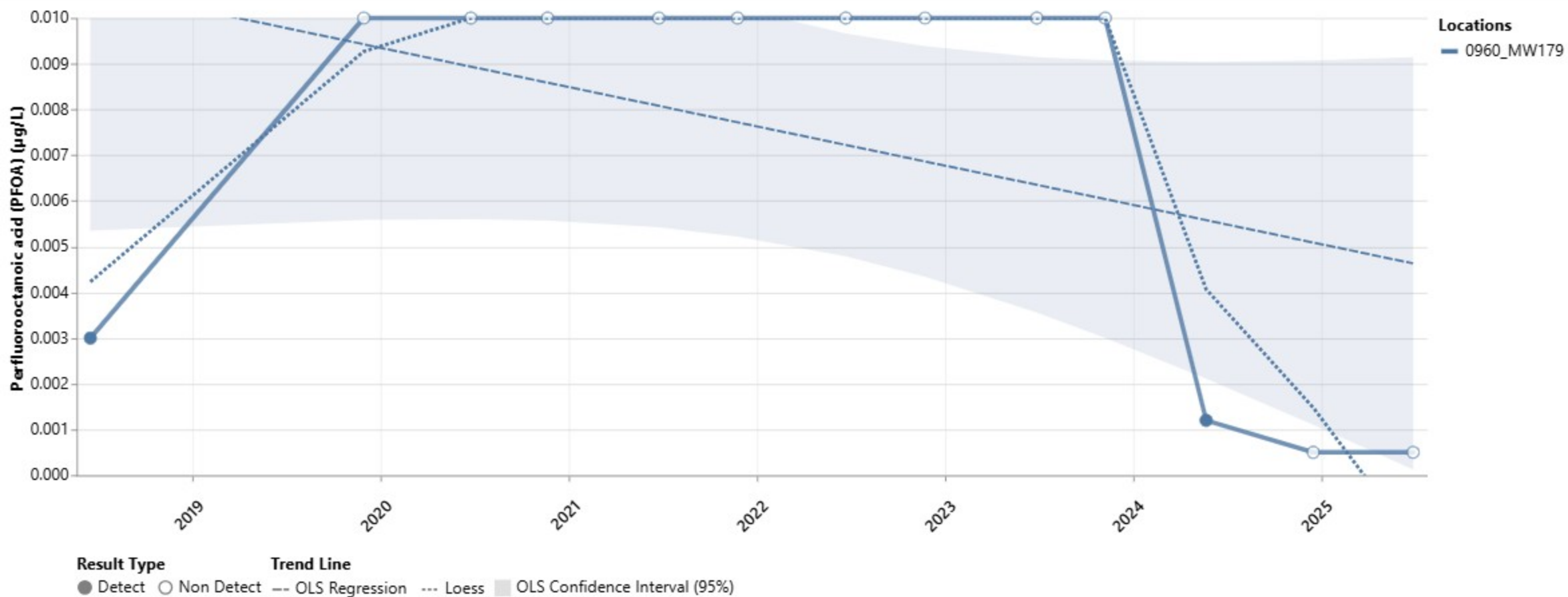
R: -0.4253

OLS Slope: 0.0000

OLS Intercept: 0.0107

Scale Estimate: 0.0040

P-value (Reg): 0.1474





Statistics

n: 13

Mann Kendall

S: -33

Z: -2.6698

Std Dev of S: 11.9861

Tabulated p-value: 0.0210

Approx p-value: 0.0038

OLS Regression

R-squared: 0.5079

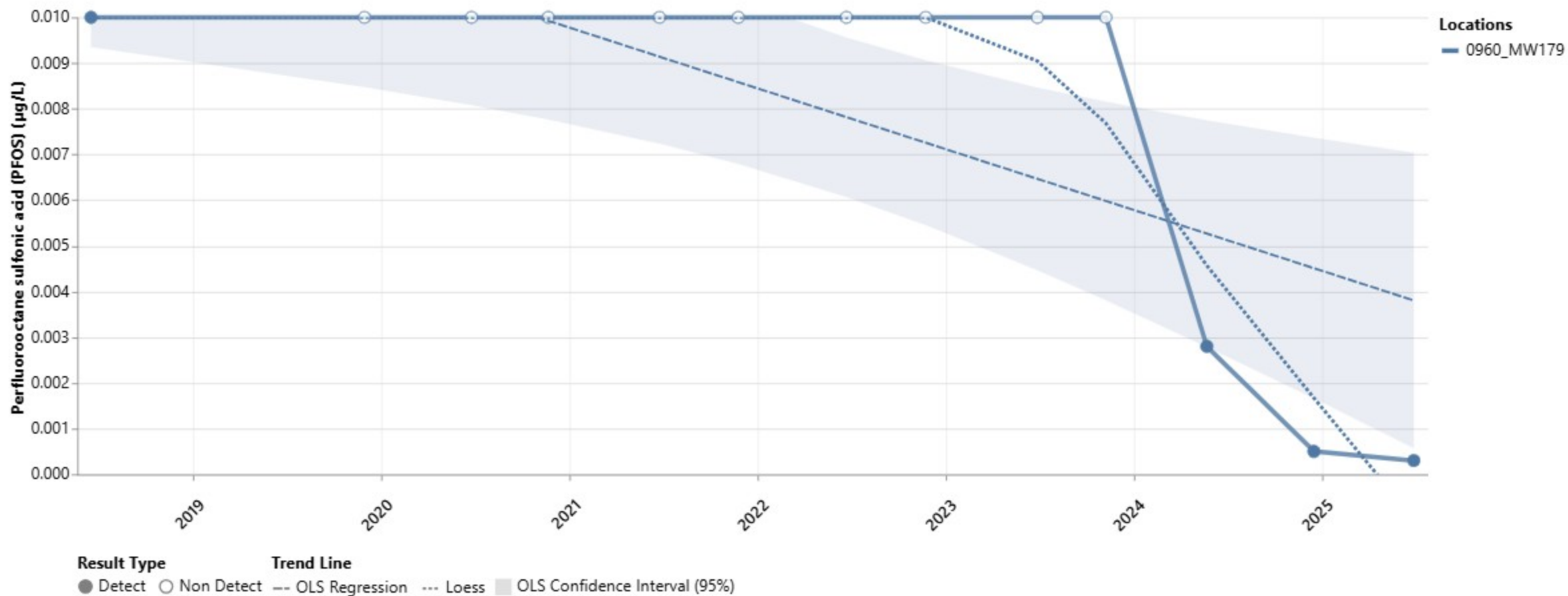
R: -0.7127

OLS Slope: 0.0000

OLS Intercept: 0.0132

Scale Estimate: 0.0029

P-value (Reg): 0.0063





Statistics

n: 13

Mann Kendall

S: -42

Z: -3.0847

Std Dev of S: 13.2916

Tabulated p-value: 0.0050

Approx p-value: 0.0010

OLS Regression

R-squared: 0.7033

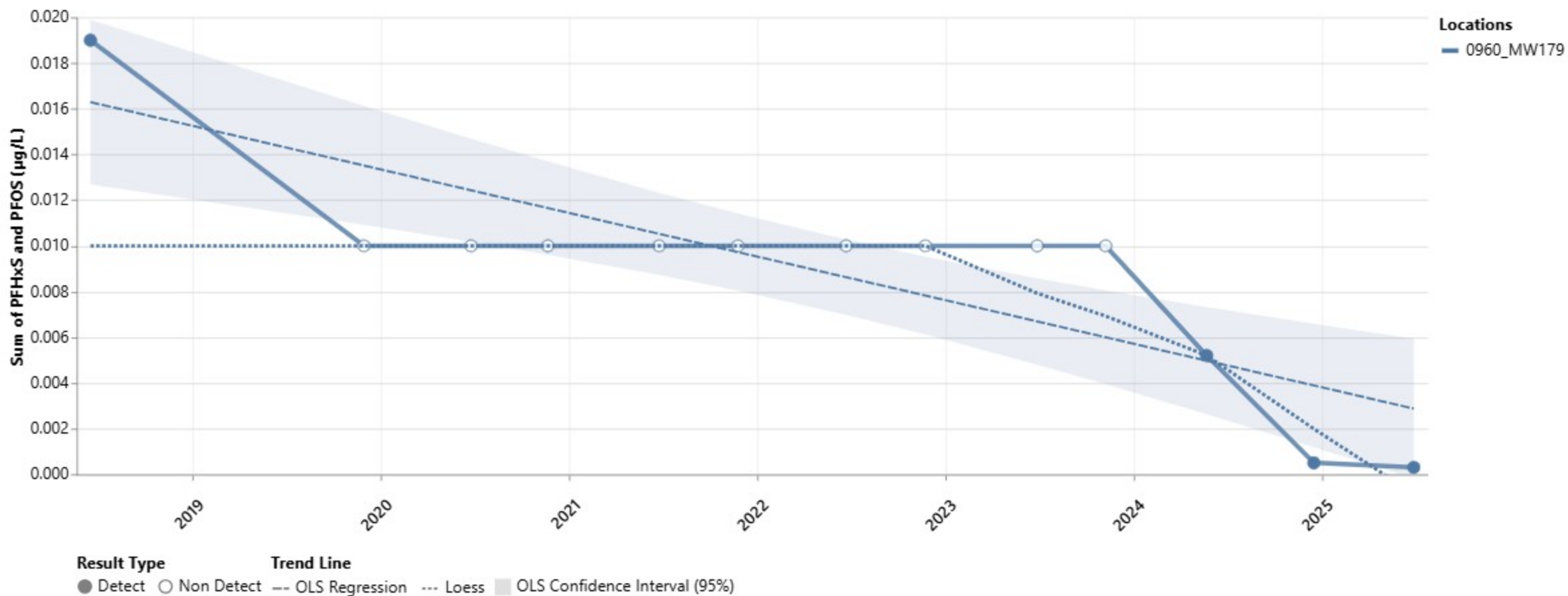
R: -0.8386

OLS Slope: 0.0000

OLS Intercept: 0.0163

Scale Estimate: 0.0027

P-value (Reg): 0.0003



Source – Maintenance area



Statistics

n: 13

Mann Kendall

S: -22

Z: -1.2812

Std Dev of S: 16.3911

Tabulated p-value: 0.1020

Approx p-value: 0.1001

OLS Regression

R-squared: 0.0899

R: -0.2999

OLS Slope: -0.0002

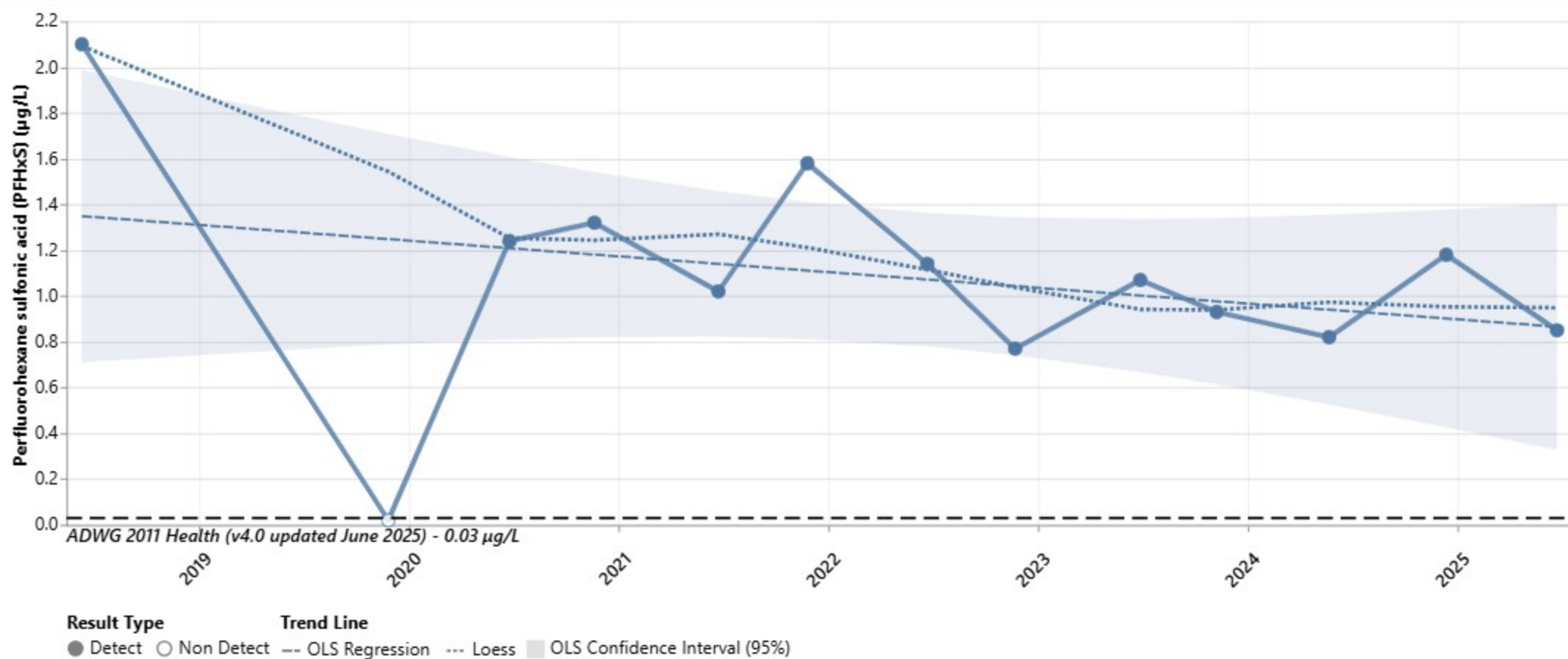
OLS Intercept: 1.3490

Scale Estimate: 0.4773

P-value (Reg): 0.3195

Locations

0960_MW018





Statistics

n: 13

Mann Kendall

S: 47

Z: 2.8222

Std Dev of S: 16.2993

Tabulated p-value: 0.0010

Approx p-value: 0.0024

OLS Regression

R-squared: 0.3349

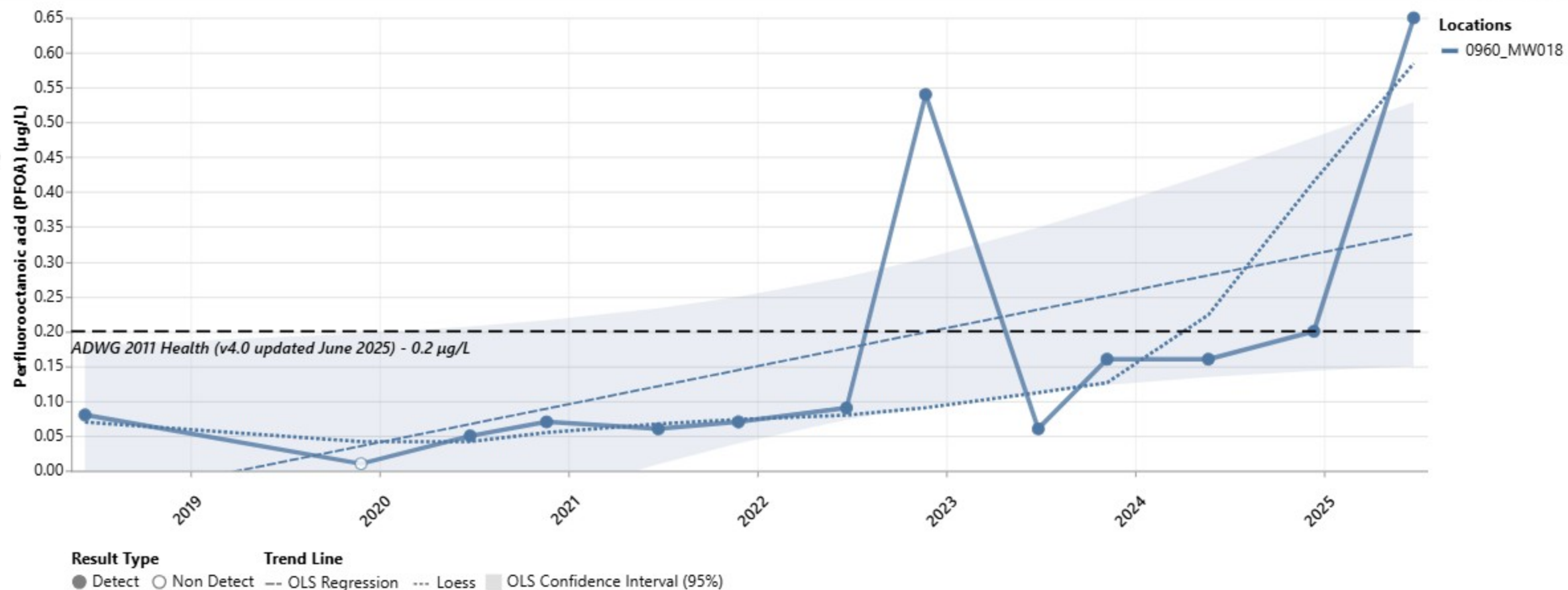
R: 0.5787

OLS Slope: 0.0001

OLS Intercept: -0.0446

Scale Estimate: 0.1681

P-value (Reg): 0.0382





Statistics

n: 12

Mann Kendall

S: 26

Z: 1.7143

Std Dev of S: 14.5831

Tabulated p-value: 0.0430

Approx p-value: 0.0432

OLS Regression

R-squared: 0.3477

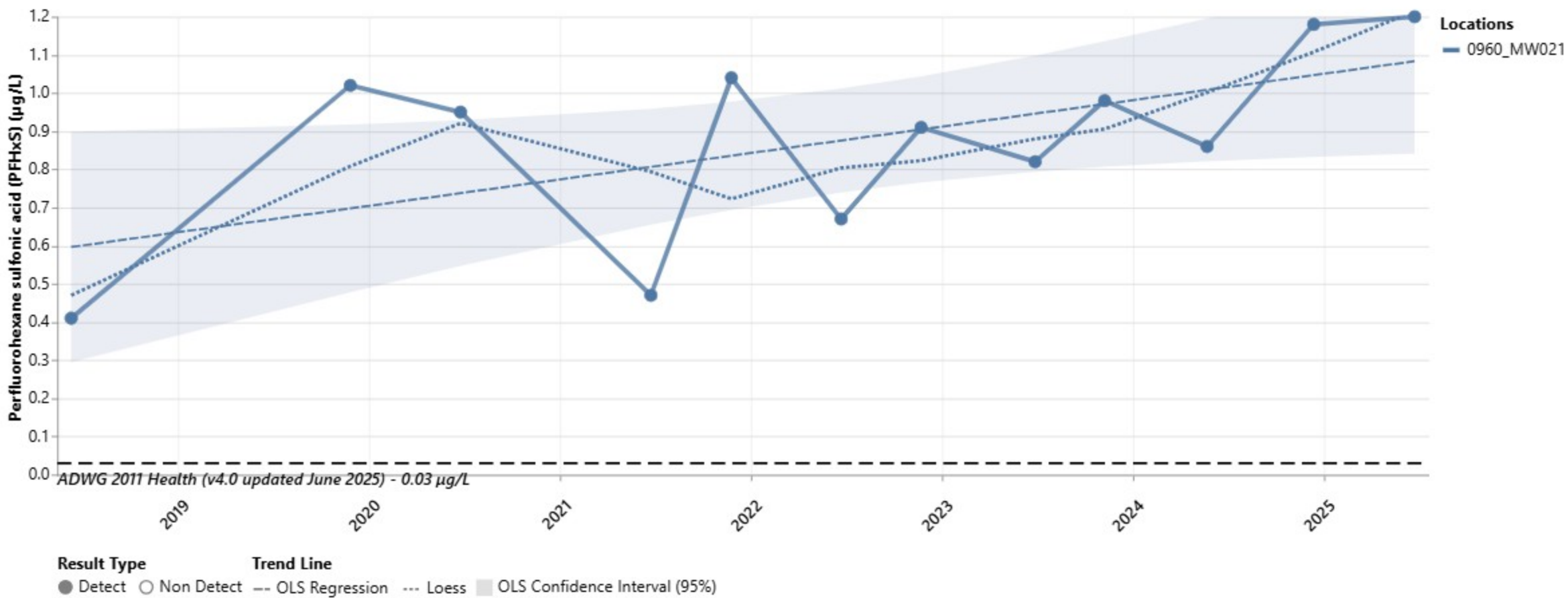
R: 0.5896

OLS Slope: 0.0002

OLS Intercept: 0.5965

Scale Estimate: 0.2122

P-value (Reg): 0.0436





Statistics

n: 12

Mann Kendall

S: 38

Z: 2.5372

Std Dev of S: 14.5831

Tabulated p-value: 0.0040

Approx p-value: 0.0056

OLS Regression

R-squared: 0.5147

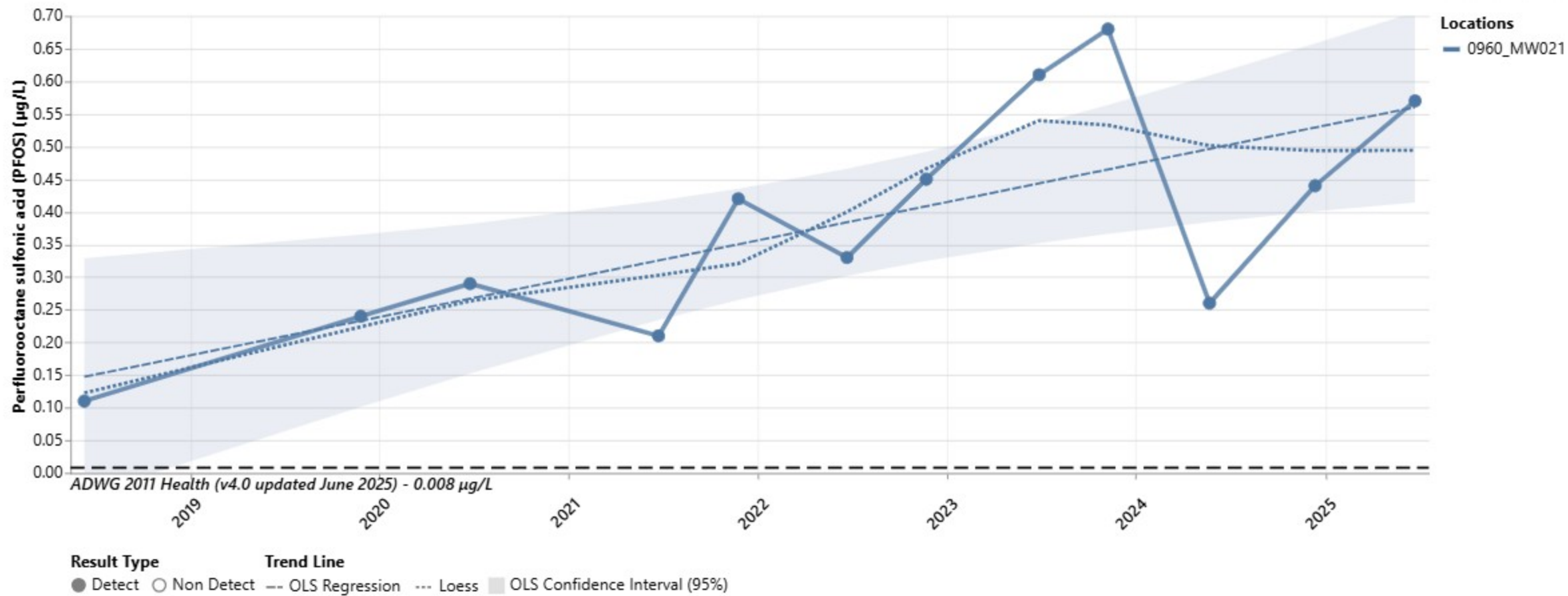
R: 0.7174

OLS Slope: 0.0002

OLS Intercept: 0.1473

Scale Estimate: 0.1276

P-value (Reg): 0.0086





Statistics

n: 11

Mann Kendall

S: 25

Z: 1.8684

Std Dev of S: 12.8452

Tabulated p-value: 0.0300

Approx p-value: 0.0309

OLS Regression

R-squared: 0.3060

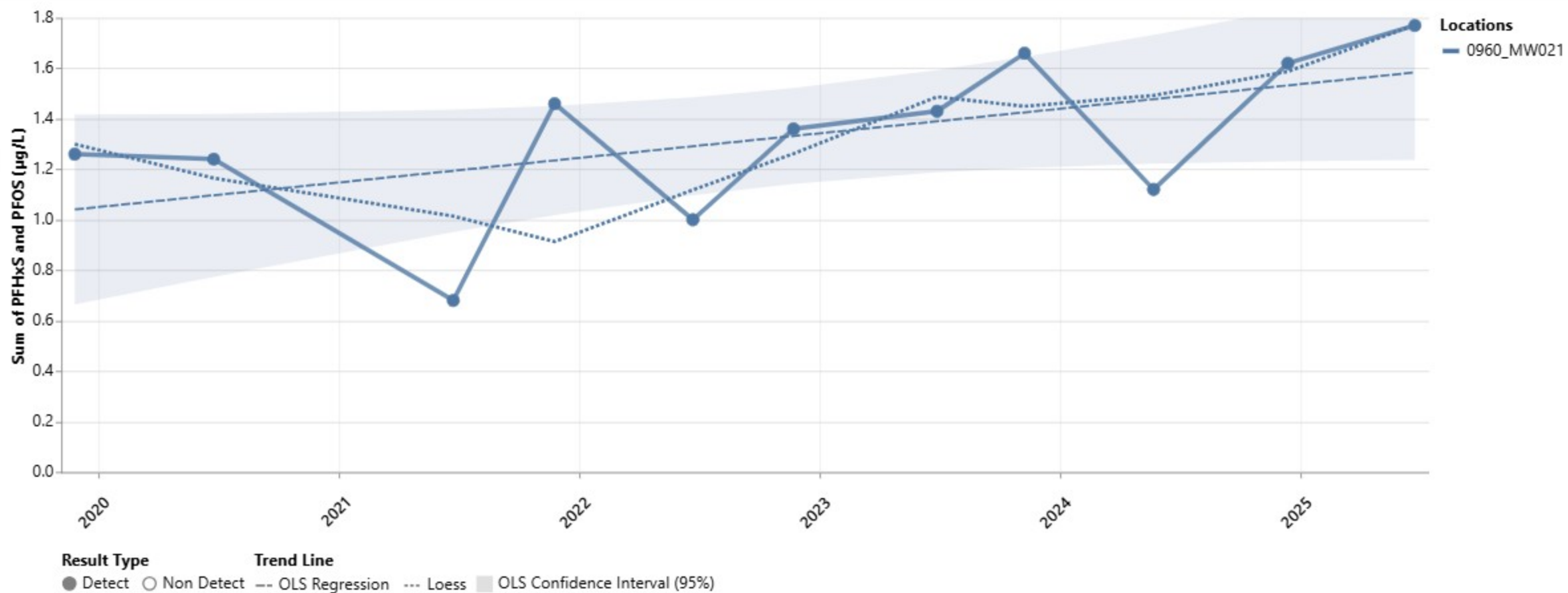
R: 0.5532

OLS Slope: 0.0003

OLS Intercept: 1.0407

Scale Estimate: 0.2781

P-value (Reg): 0.0775





Statistics

n: 12

Mann Kendall

S: -40

Z: -2.6870

Std Dev of S: 14.5144

Tabulated p-value: 0.0030

Approx p-value: 0.0036

OLS Regression

R-squared: 0.5031

R: -0.7093

OLS Slope: -0.0001

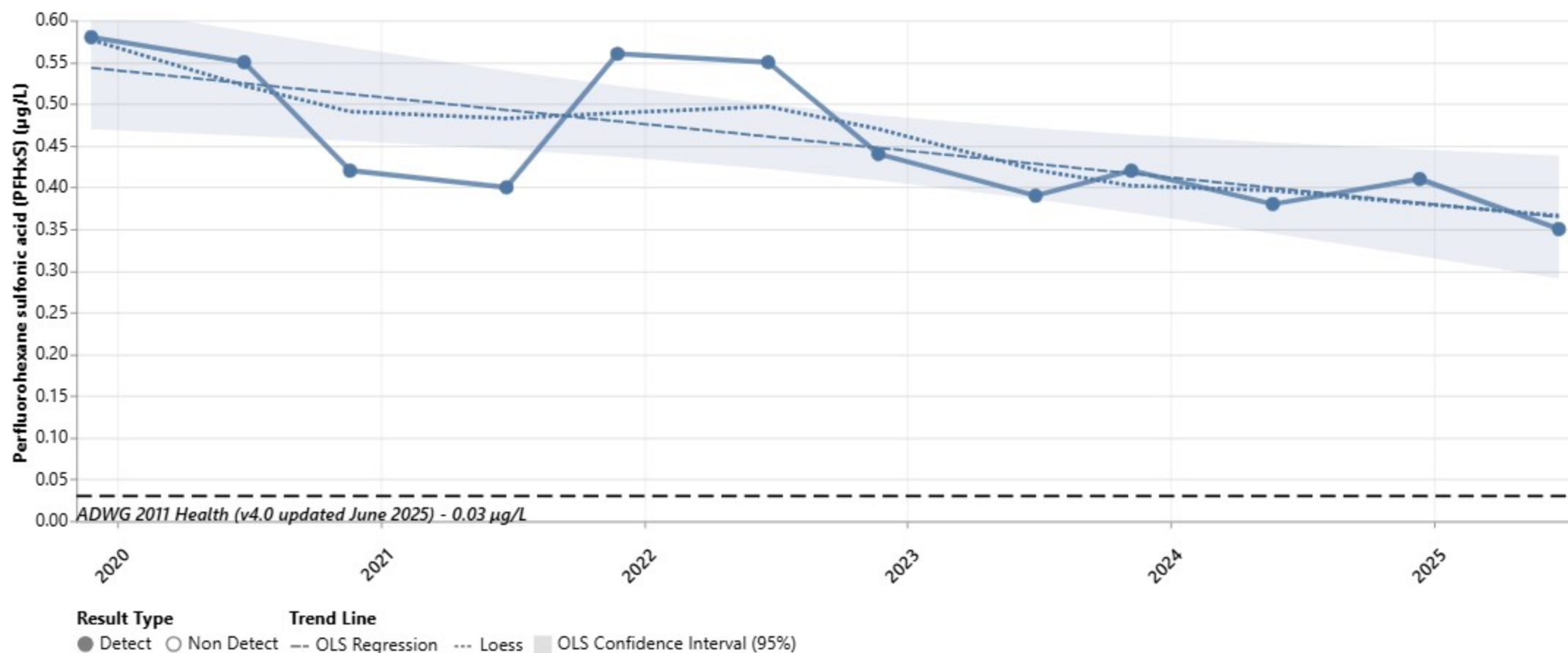
OLS Intercept: 0.5433

Scale Estimate: 0.0603

P-value (Reg): 0.0098

Locations

0960_MW112





Statistics

n: 12

Mann Kendall

S: -17

Z: -1.4626

Std Dev of S: 10.9392

Tabulated p-value: 0.1250

Approx p-value: 0.0718

OLS Regression

R-squared: 0.2726

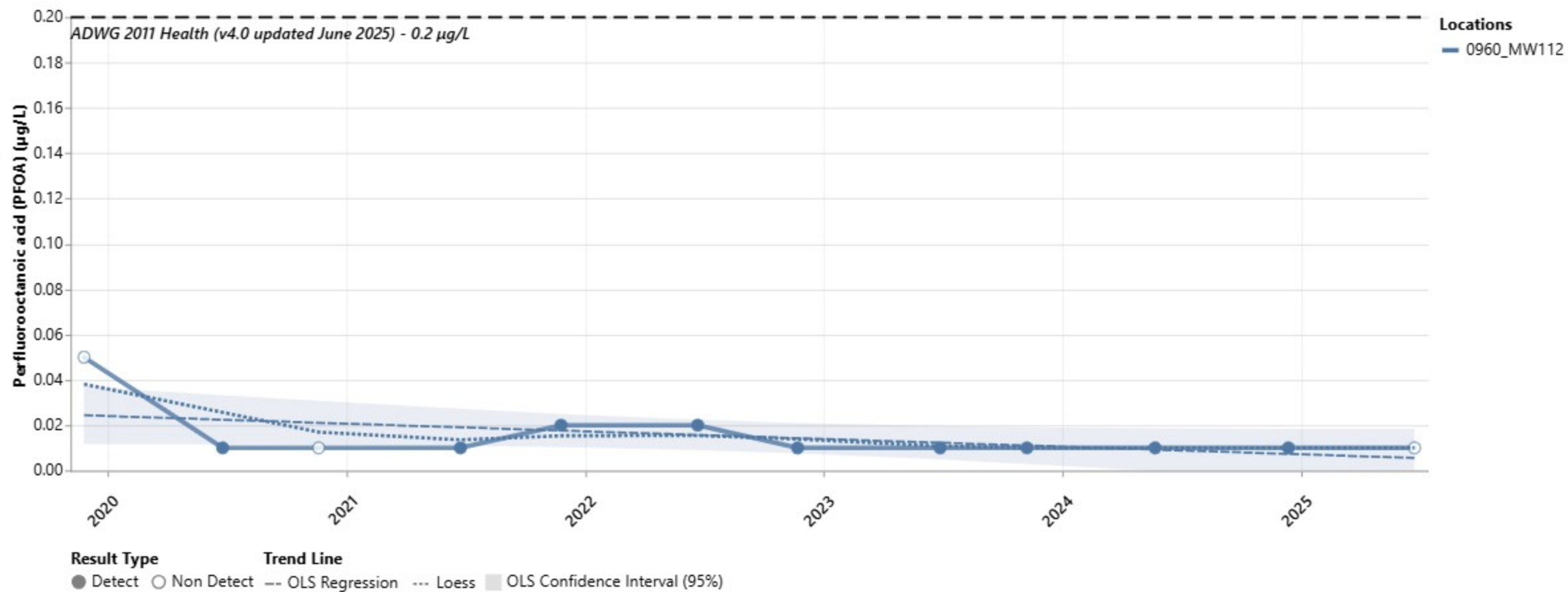
R: -0.5221

OLS Slope: 0.0000

OLS Intercept: 0.0244

Scale Estimate: 0.0104

P-value (Reg): 0.0816





Statistics

n: 12

Mann Kendall

S: -37

Z: -2.4744

Std Dev of S: 14.5488

Tabulated p-value: 0.0040

Approx p-value: 0.0067

OLS Regression

R-squared: 0.2922

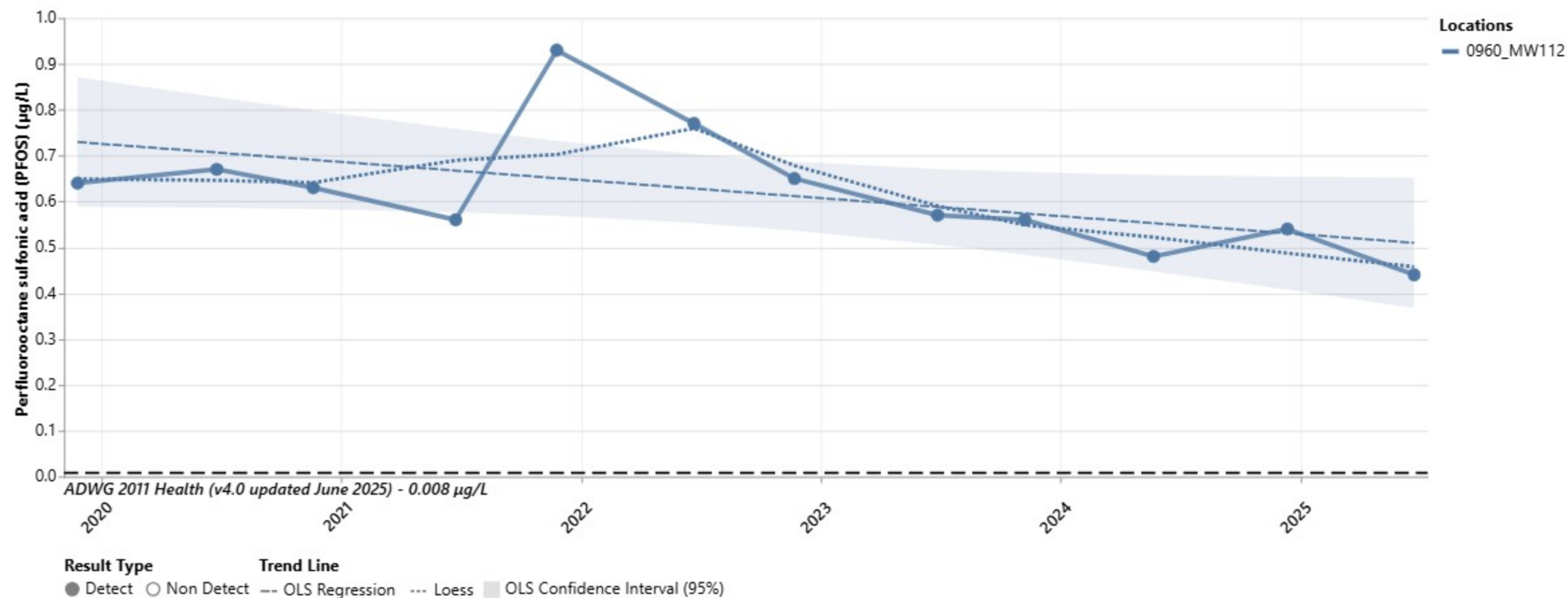
R: -0.5406

OLS Slope: -0.0001

OLS Intercept: 0.7296

Scale Estimate: 0.1161

P-value (Reg): 0.0696





Statistics

n: 12

Mann Kendall

S: -38

Z: -2.5492

Std Dev of S: 14.5144

Tabulated p-value: 0.0040

Approx p-value: 0.0054

OLS Regression

R-squared: 0.4038

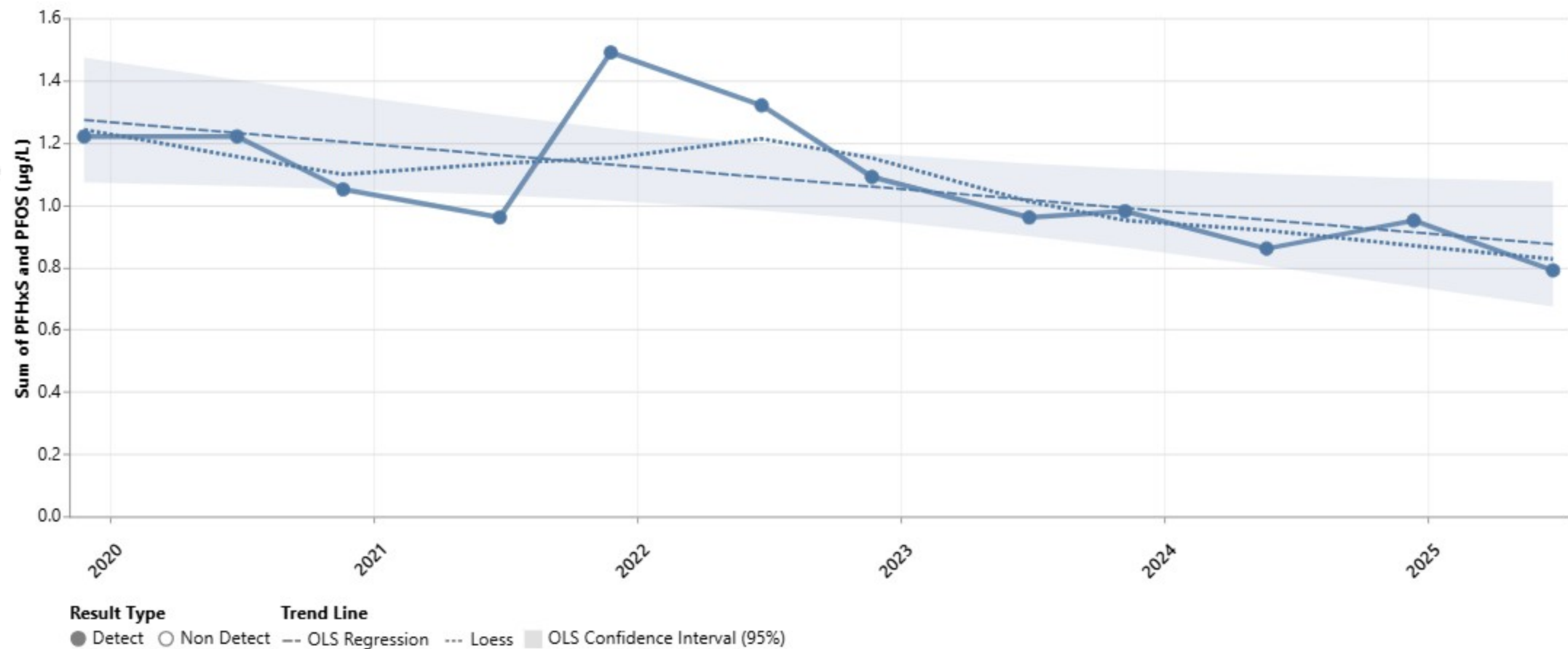
R: -0.6355

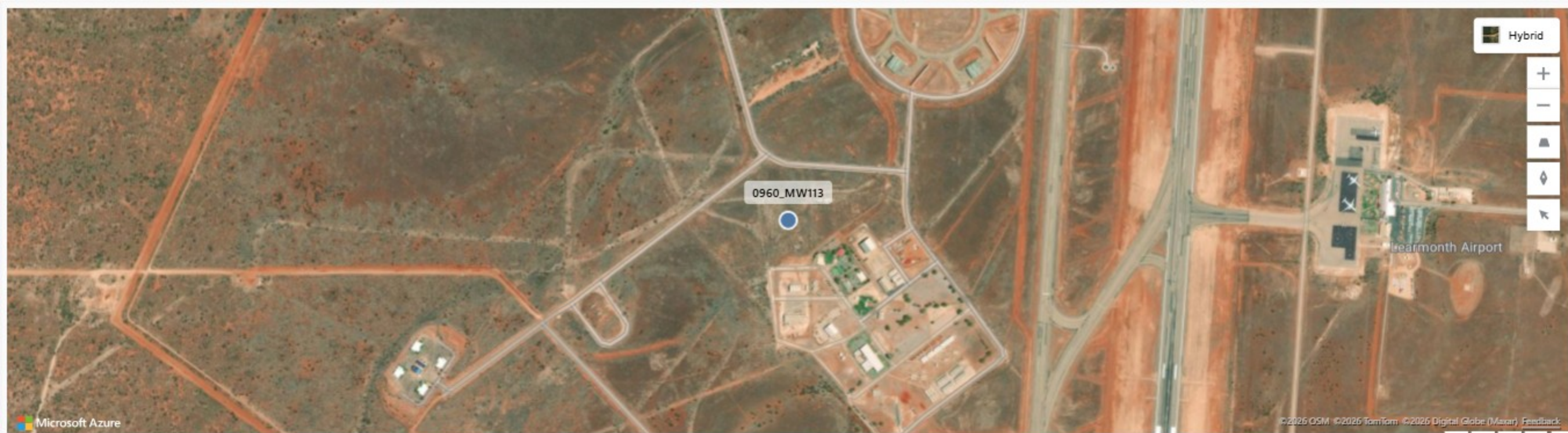
OLS Slope: -0.0002

OLS Intercept: 1.2729

Scale Estimate: 0.1645

P-value (Reg): 0.0264





Statistics

n: 13

Mann Kendall

S: 12

Z: 1.4699

Std Dev of S: 7.4833

Tabulated p-value: 0.2550

Approx p-value: 0.0708

OLS Regression

R-squared: 0.3157

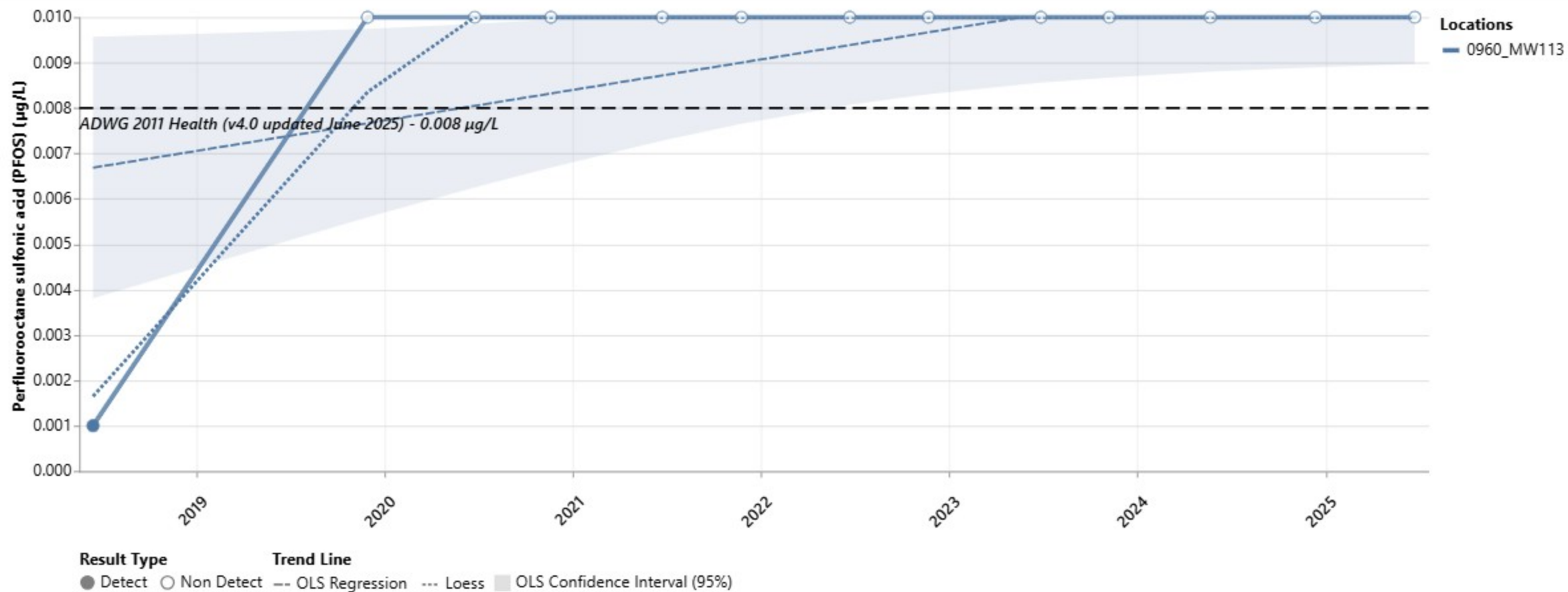
R: 0.5619

OLS Slope: 0.0000

OLS Intercept: 0.0067

Scale Estimate: 0.0022

P-value (Reg): 0.0457





Statistics

n: 13

Mann Kendall

S: 12

Z: 1.4699

Std Dev of S: 7.4833

Tabulated p-value: 0.2550

Approx p-value: 0.0708

OLS Regression

R-squared: 0.3165

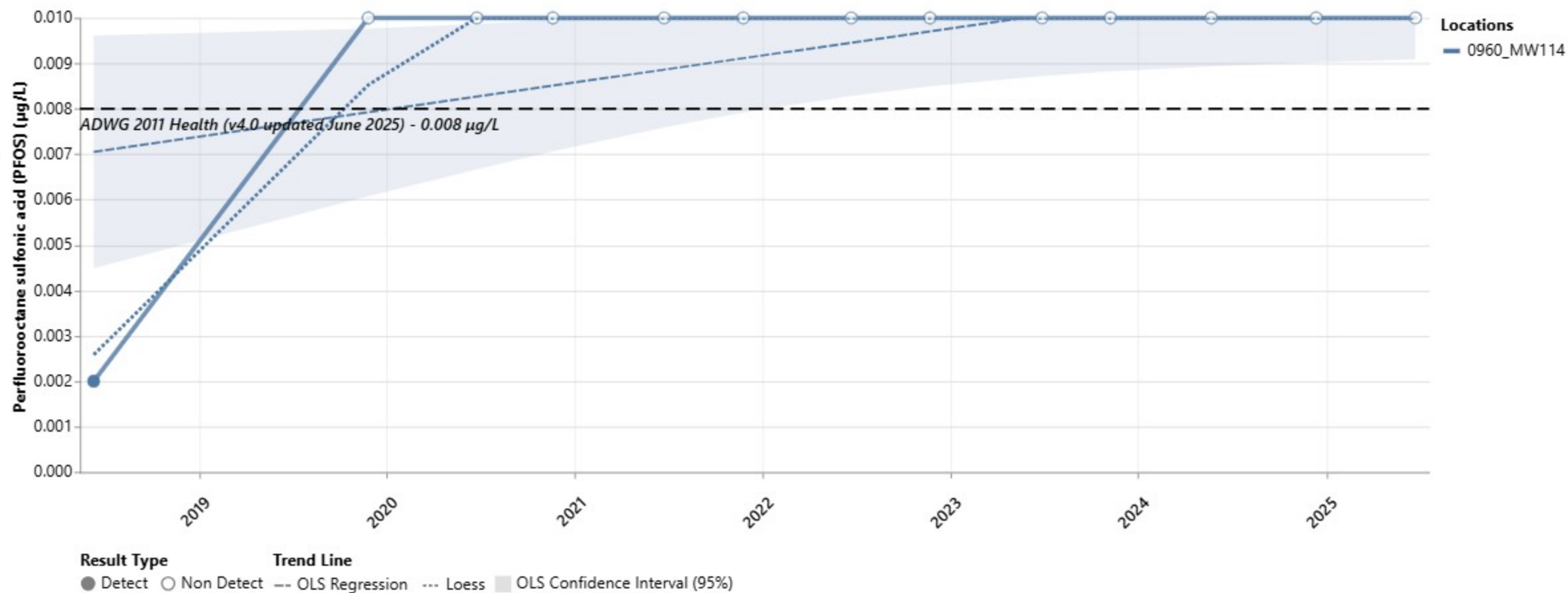
R: 0.5625

OLS Slope: 0.0000

OLS Intercept: 0.0070

Scale Estimate: 0.0019

P-value (Reg): 0.0454





Statistics

n: 12

Mann Kendall

S: 55

Z: 3.7117

Std Dev of S: 14.5488

Tabulated p-value: 0.0000

Approx p-value: 0.0001

OLS Regression

R-squared: 0.8122

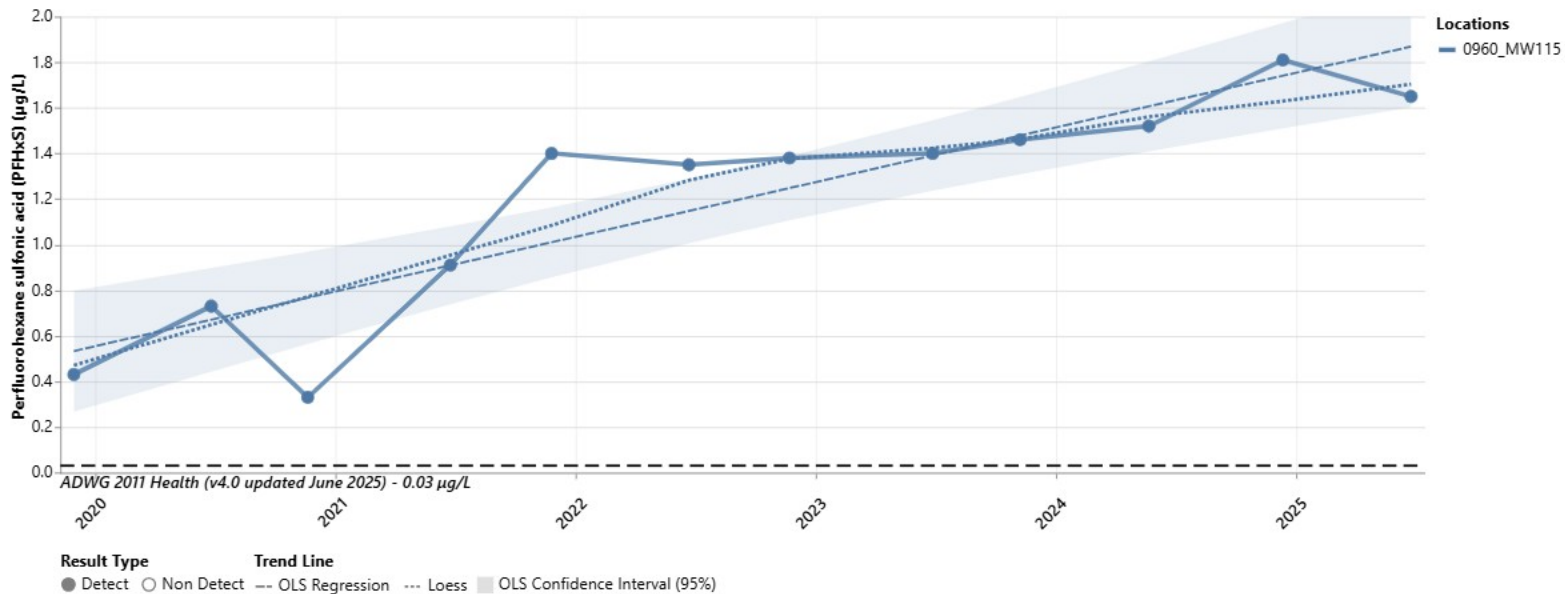
R: 0.9012

OLS Slope: 0.0007

OLS Intercept: 0.5330

Scale Estimate: 0.2182

P-value (Reg): 0.0001





Statistics

n: 12

Mann Kendall

S: 54

Z: 3.7793

Std Dev of S: 14.0238

Tabulated p-value: 0.0000

Approx p-value: 0.0001

OLS Regression

R-squared: 0.9229

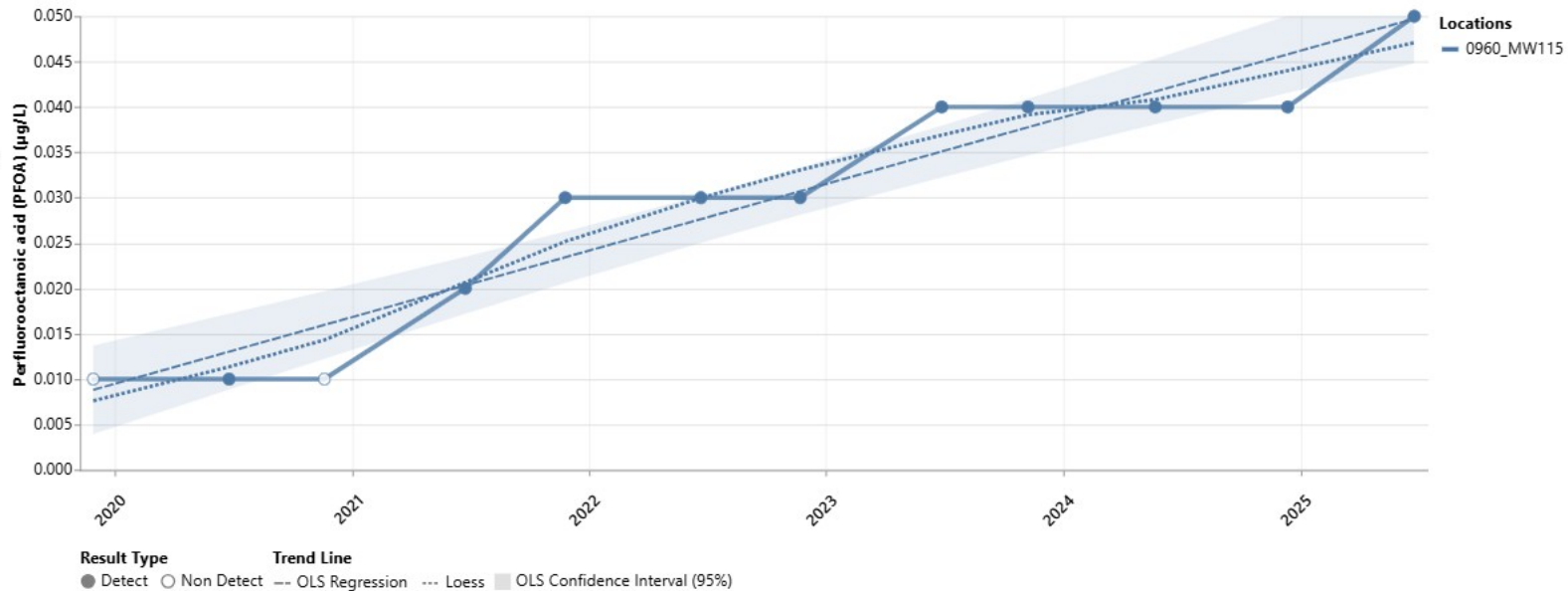
R: 0.9607

OLS Slope: 0.0000

OLS Intercept: 0.0088

Scale Estimate: 0.0040

P-value (Reg): 0.0000





Statistics

n: 12

Mann Kendall

S: 51

Z: 3.4586

Std Dev of S: 14.4568

Tabulated p-value: 0.0000

Approx p-value: 0.0003

OLS Regression

R-squared: 0.8596

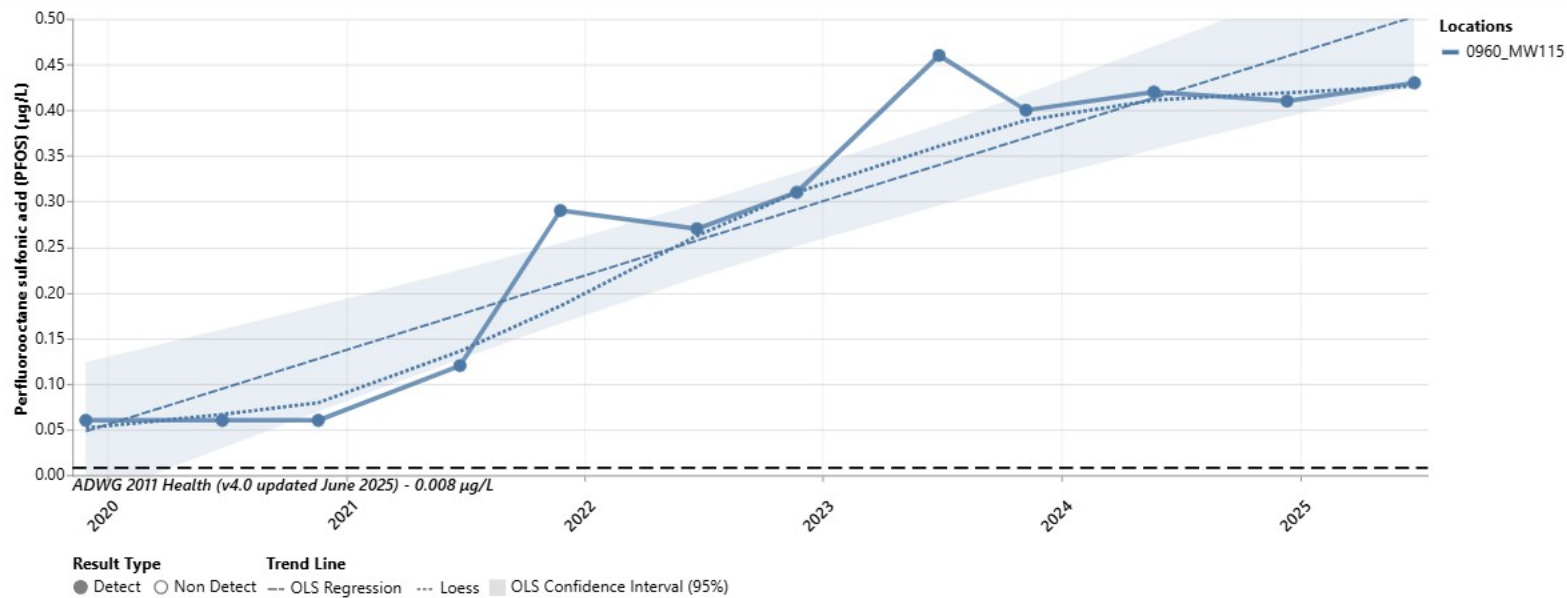
R: 0.9271

OLS Slope: 0.0002

OLS Intercept: 0.0480

Scale Estimate: 0.0624

P-value (Reg): 0.0000





Statistics

n: 12

Mann Kendall

S: 56

Z: 3.7894

Std Dev of S: 14.5144

Tabulated p-value: 0.0000

Approx p-value: 0.0001

OLS Regression

R-squared: 0.8477

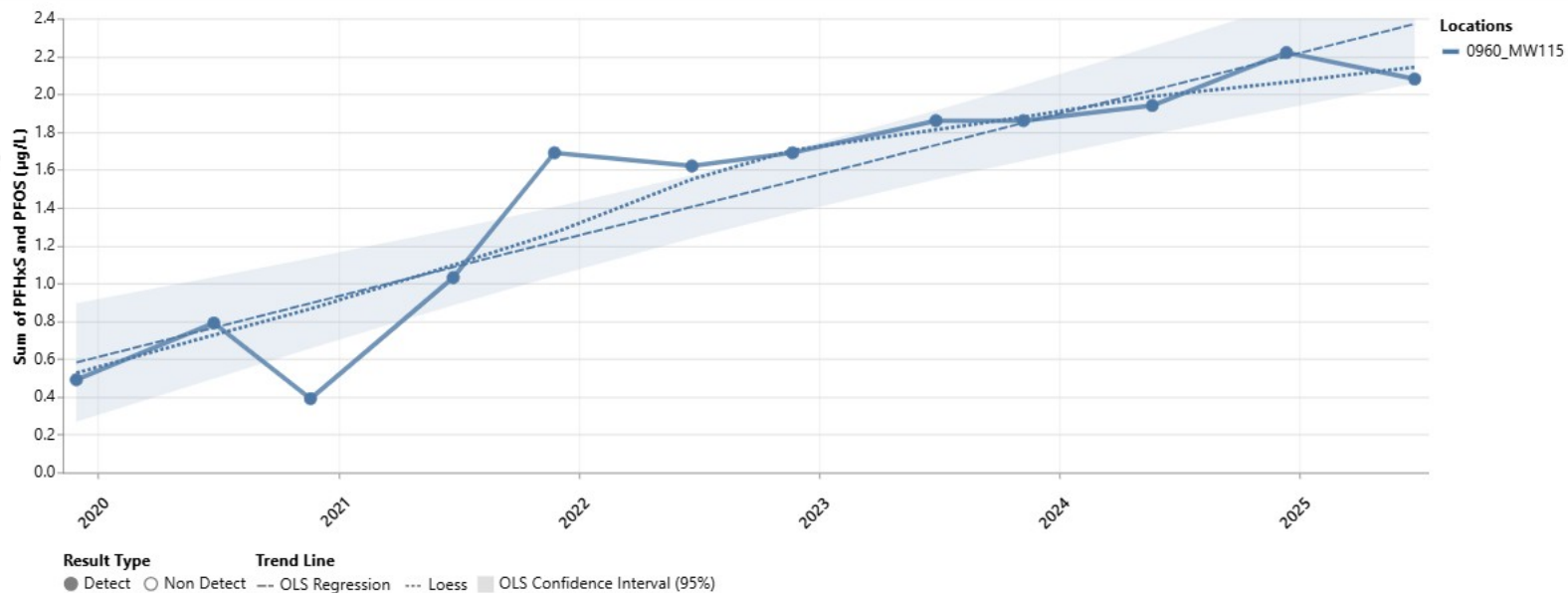
R: 0.9207

OLS Slope: 0.0009

OLS Intercept: 0.5810

Scale Estimate: 0.2577

P-value (Reg): 0.0000





Statistics

n: 13

Mann Kendall

S: 31

Z: 1.8406

Std Dev of S: 16.2993

Tabulated p-value: 0.0290

Approx p-value: 0.0328

OLS Regression

R-squared: 0.2700

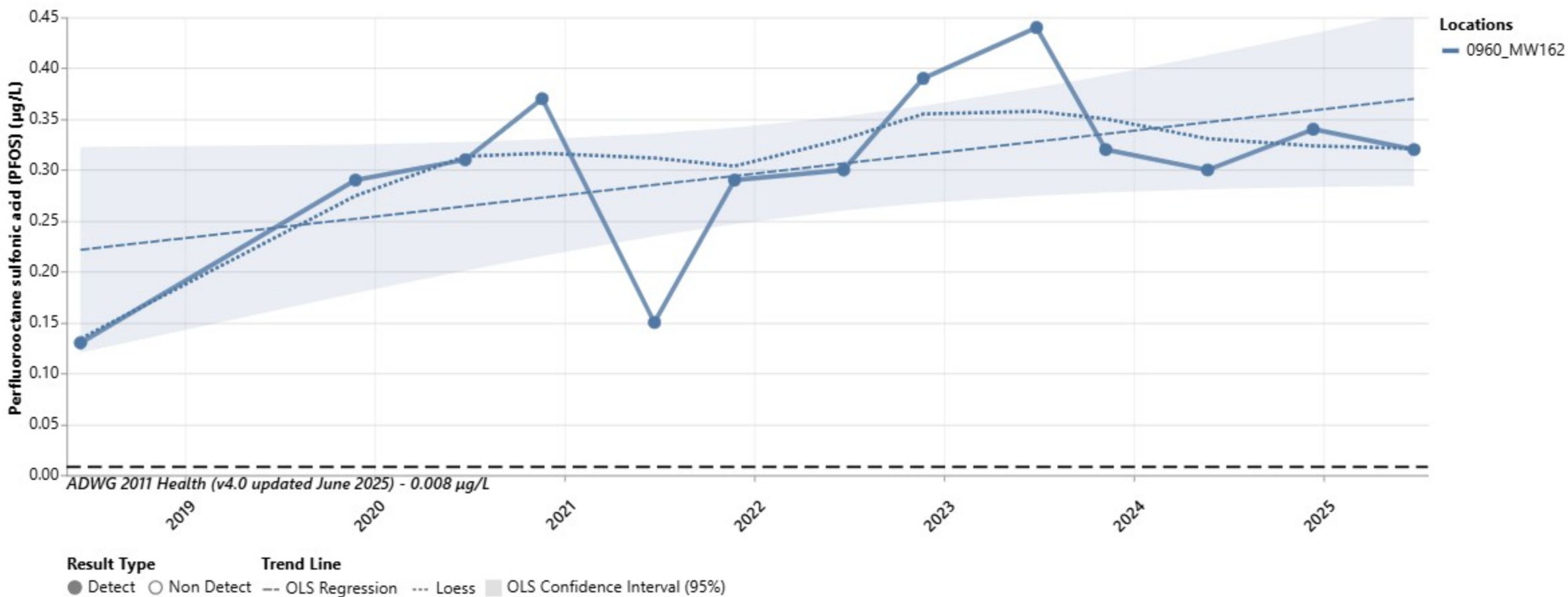
R: 0.5196

OLS Slope: 0.0001

OLS Intercept: 0.2214

Scale Estimate: 0.0758

P-value (Reg): 0.0688





Statistics

n: 13

Mann Kendall

S: -41

Z: -2.4449

Std Dev of S: 16.3605

Tabulated p-value: 0.0050

Approx p-value: 0.0072

OLS Regression

R-squared: 0.2928

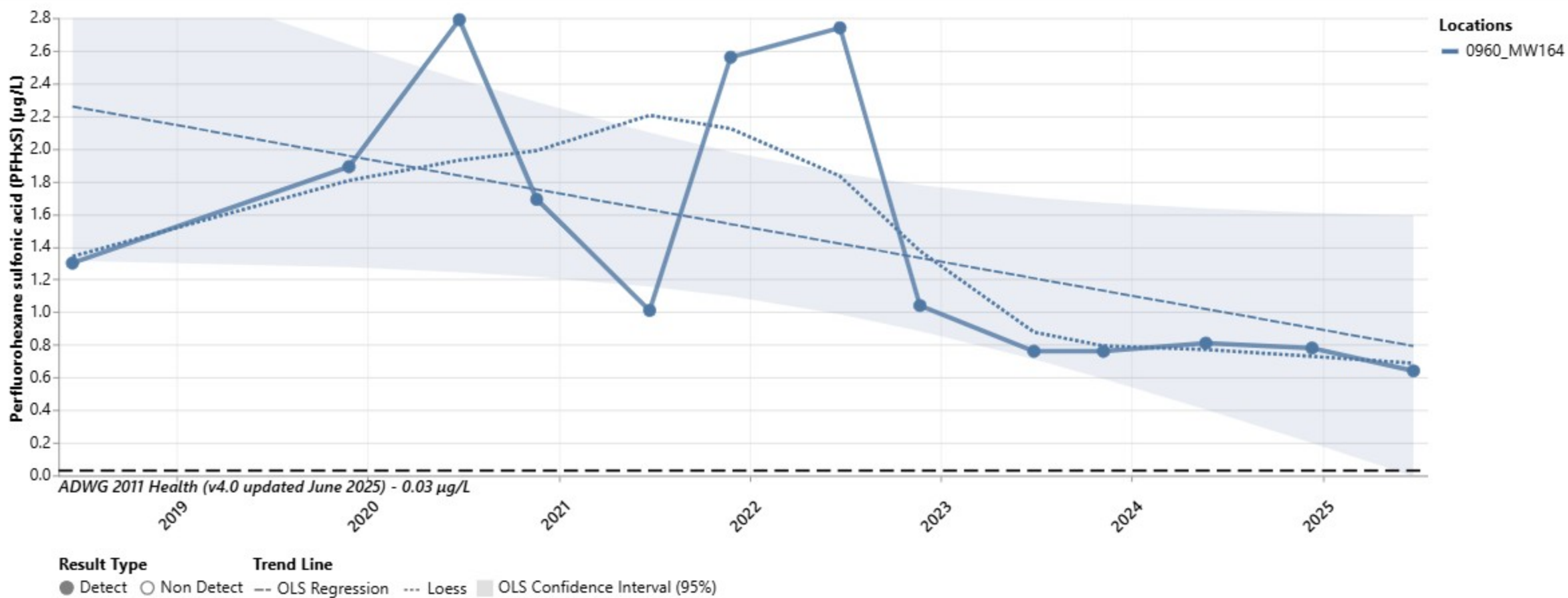
R: -0.5412

OLS Slope: -0.0006

OLS Intercept: 2.2587

Scale Estimate: 0.7078

P-value (Reg): 0.0562





Statistics

n: 13

Mann Kendall

S: -46

Z: -2.8460

Std Dev of S: 15.8114

Tabulated p-value: 0.0020

Approx p-value: 0.0022

OLS Regression

R-squared: 0.4205

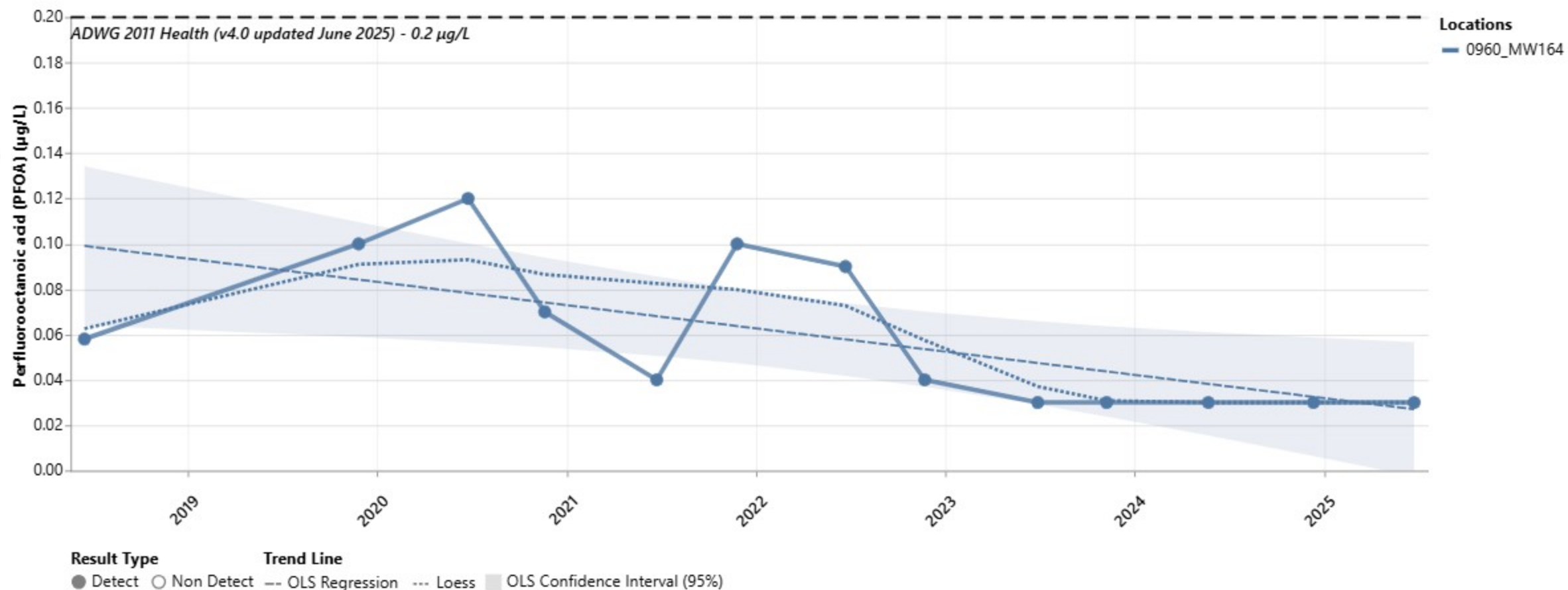
R: -0.6484

OLS Slope: 0.0000

OLS Intercept: 0.0991

Scale Estimate: 0.0263

P-value (Reg): 0.0165





Statistics

n: 13

Mann Kendall

S: -38

Z: -2.2573

Std Dev of S: 16.3911

Tabulated p-value: 0.0110

Approx p-value: 0.0120

OLS Regression

R-squared: 0.1653

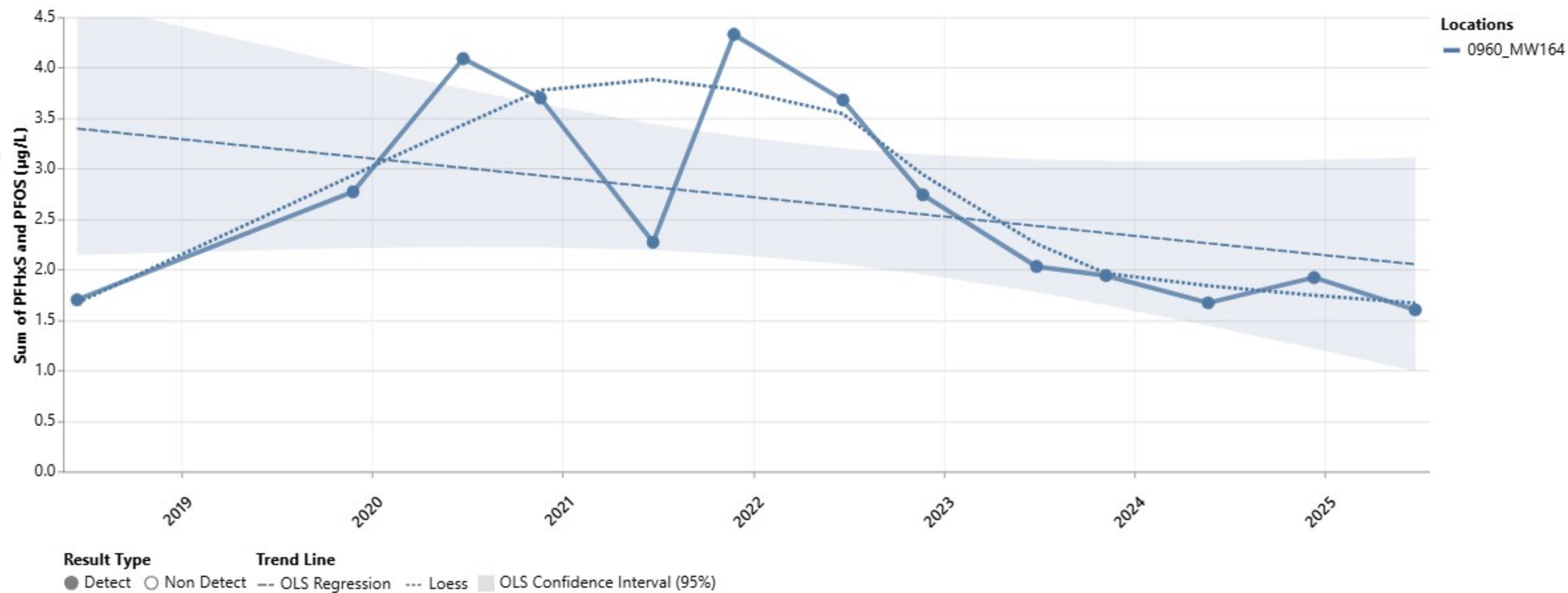
R: -0.4065

OLS Slope: -0.0005

OLS Intercept: 3.3965

Scale Estimate: 0.9388

P-value (Reg): 0.1681





Statistics

n: 13

Mann Kendall

S: -25

Z: -1.8247

Std Dev of S: 13.1529

Tabulated p-value: 0.0640

Approx p-value: 0.0340

OLS Regression

R-squared: 0.0857

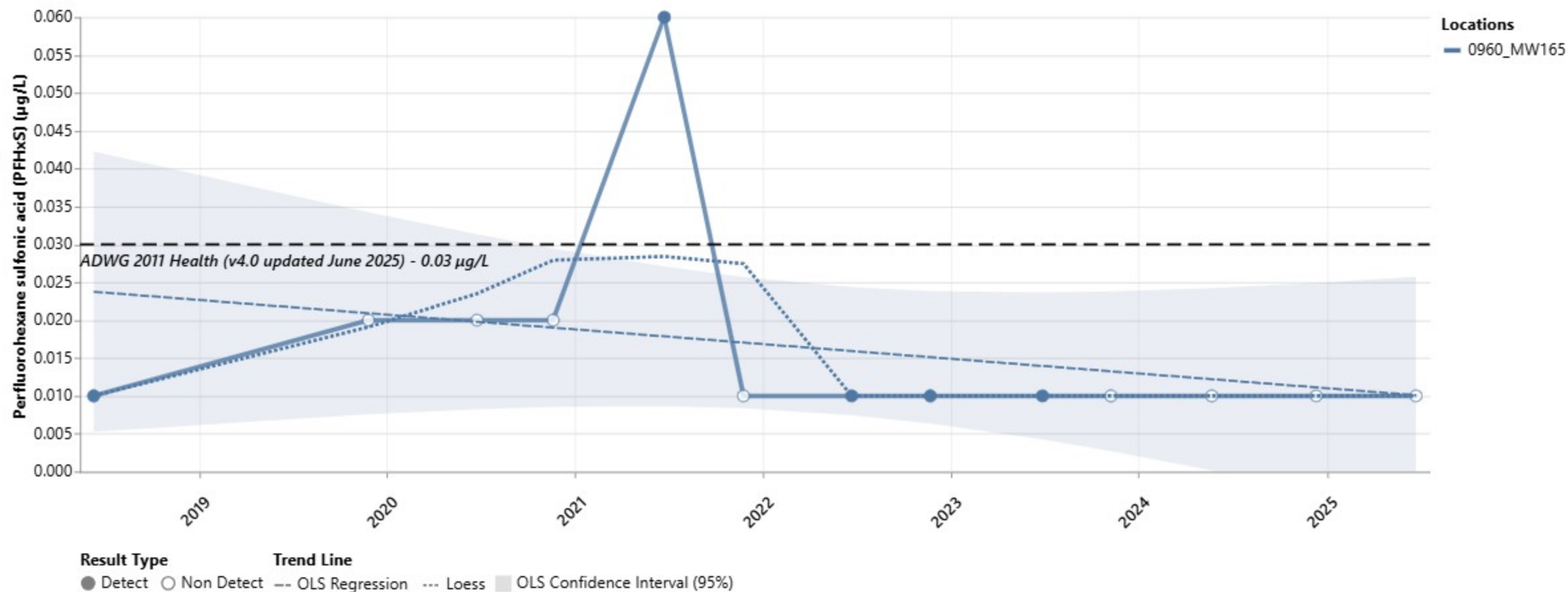
R: -0.2927

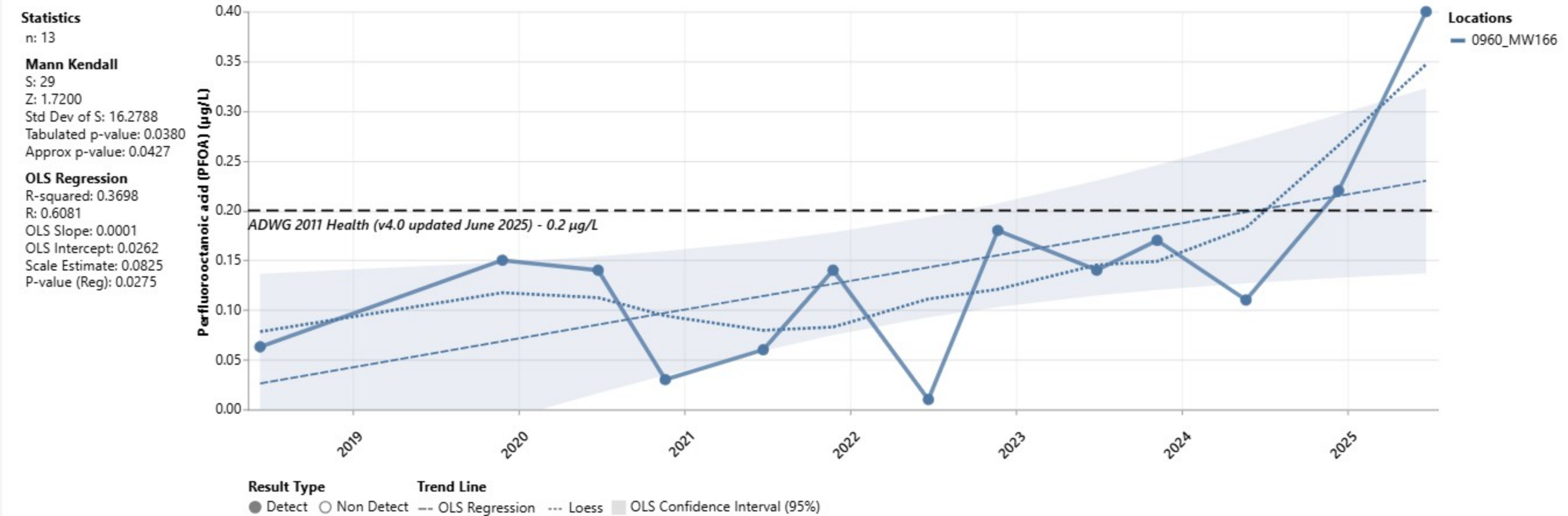
OLS Slope: 0.0000

OLS Intercept: 0.0238

Scale Estimate: 0.0138

P-value (Reg): 0.3318







Statistics

n: 13

Mann Kendall

S: -42

Z: -2.5014

Std Dev of S: 16.3911

Tabulated p-value: 0.0050

Approx p-value: 0.0062

OLS Regression

R-squared: 0.3075

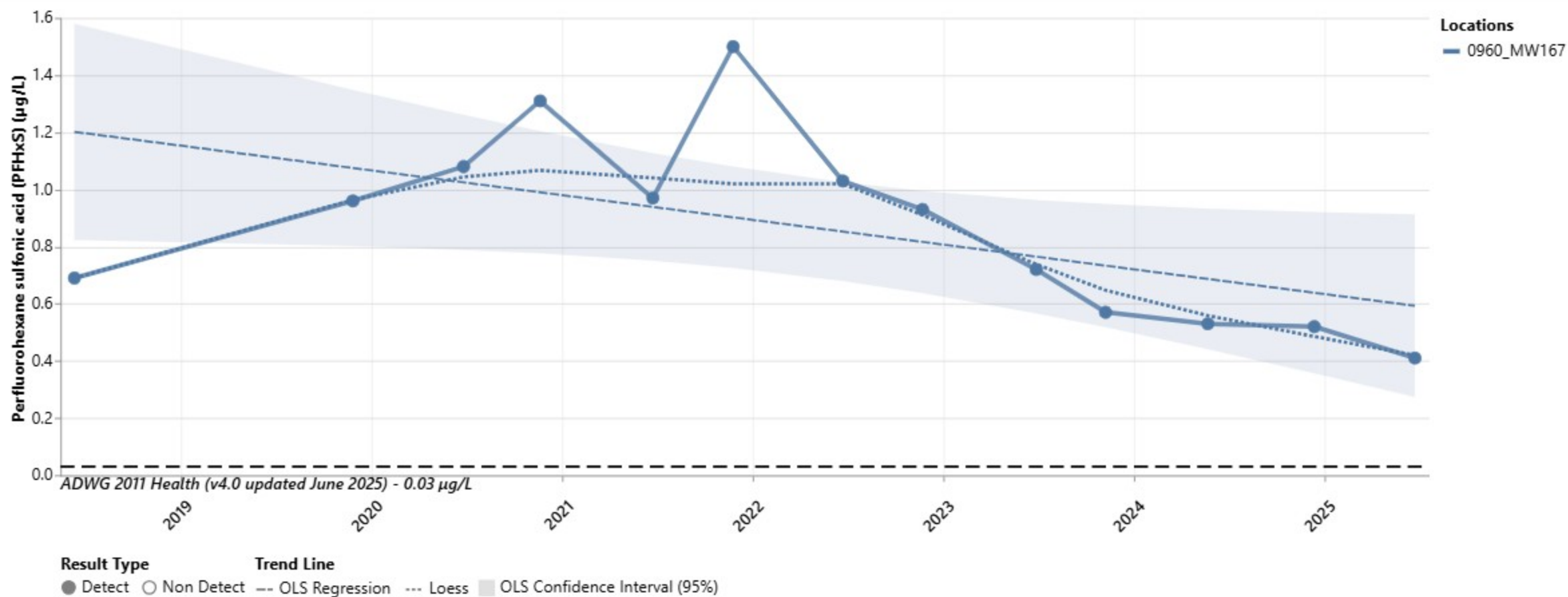
R: -0.5545

OLS Slope: -0.0002

OLS Intercept: 1.2017

Scale Estimate: 0.2834

P-value (Reg): 0.0492





Statistics

n: 13

Mann Kendall

S: 30

Z: 1.7916

Std Dev of S: 16.1864

Tabulated p-value: 0.0380

Approx p-value: 0.0366

OLS Regression

R-squared: 0.3455

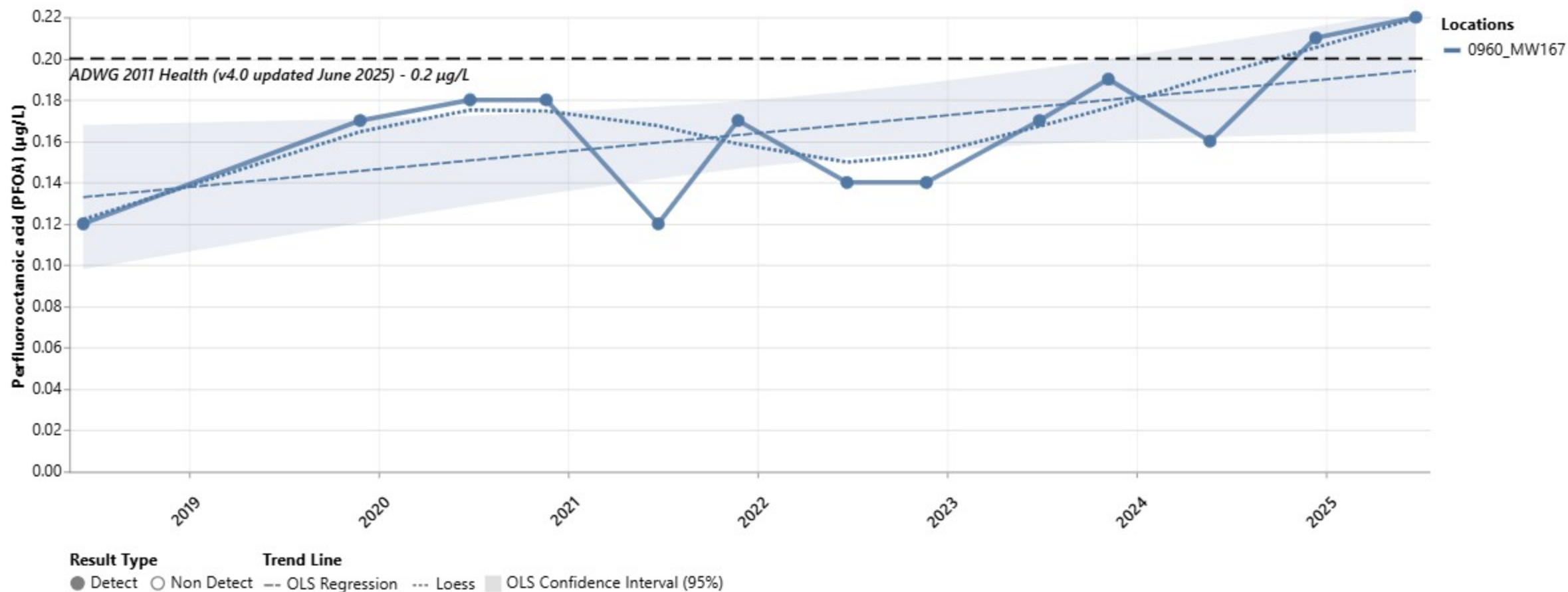
R: 0.5878

OLS Slope: 0.0000

OLS Intercept: 0.1329

Scale Estimate: 0.0261

P-value (Reg): 0.0346





Statistics

n: 12

Mann Kendall

S: -40

Z: -2.6743

Std Dev of S: 14.5831

Tabulated p-value: 0.0030

Approx p-value: 0.0037

OLS Regression

R-squared: 0.6009

R: -0.7752

OLS Slope: -0.0006

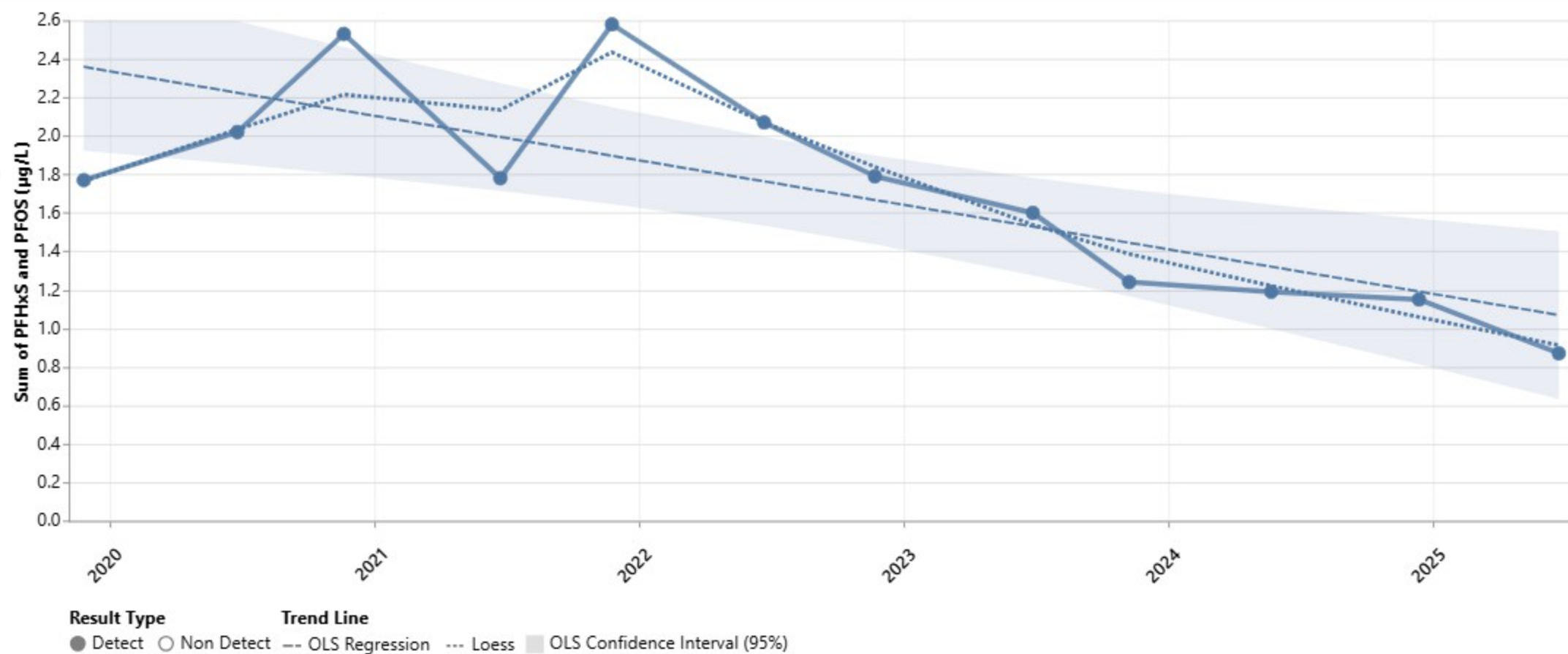
OLS Intercept: 2.3586

Scale Estimate: 0.3569

P-value (Reg): 0.0031

Locations

0960_MW167





Statistics

n: 13

Mann Kendall

S: 51

Z: 3.0831

Std Dev of S: 16.2173

Tabulated p-value: 0.0000

Approx p-value: 0.0010

OLS Regression

R-squared: 0.7171

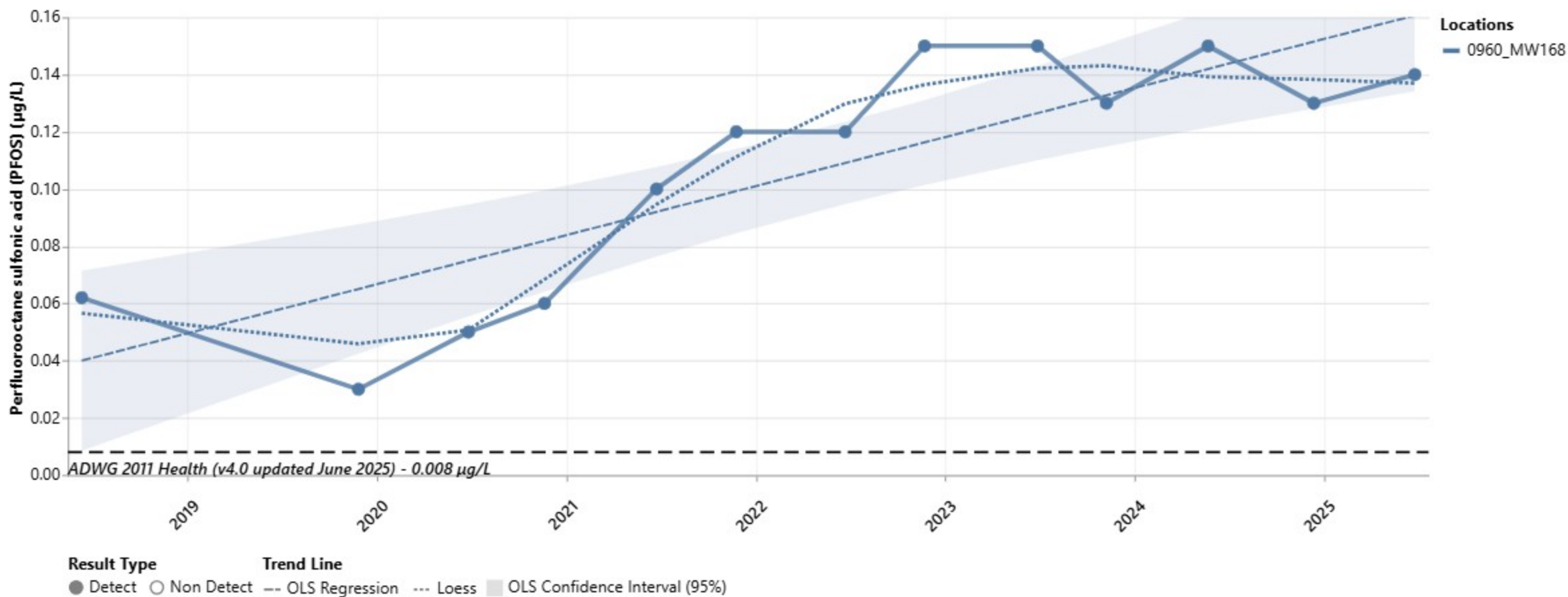
R: 0.8468

OLS Slope: 0.0000

OLS Intercept: 0.0400

Scale Estimate: 0.0235

P-value (Reg): 0.0003





Statistics

n: 14

Mann Kendall

S: -41

Z: -2.1898

Std Dev of S: 18.2665

Tabulated p-value: 0.0130

Approx p-value: 0.0143

OLS Regression

R-squared: 0.3049

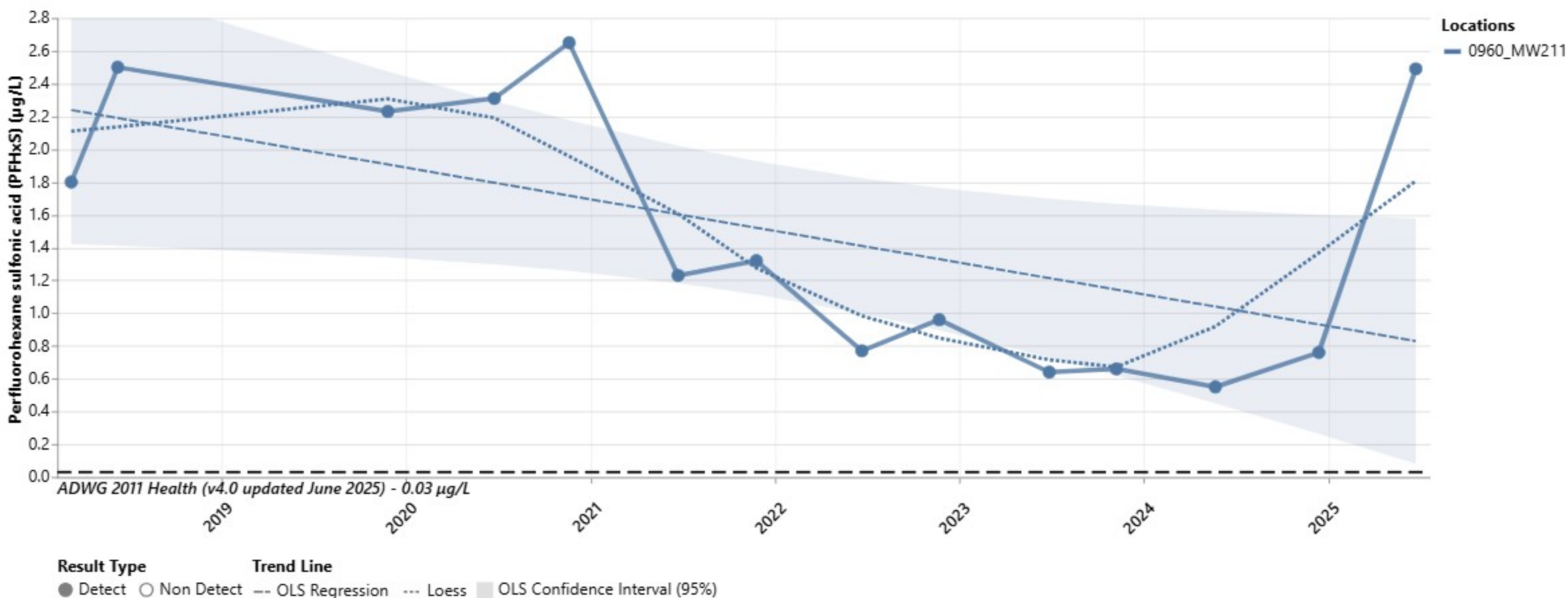
R: -0.5522

OLS Slope: -0.0005

OLS Intercept: 2.2389

Scale Estimate: 0.6978

P-value (Reg): 0.0406





Statistics

n: 14

Mann Kendall

S: -35

Z: -1.9096

Std Dev of S: 17.8045

Tabulated p-value: 0.0310

Approx p-value: 0.0281

OLS Regression

R-squared: 0.0668

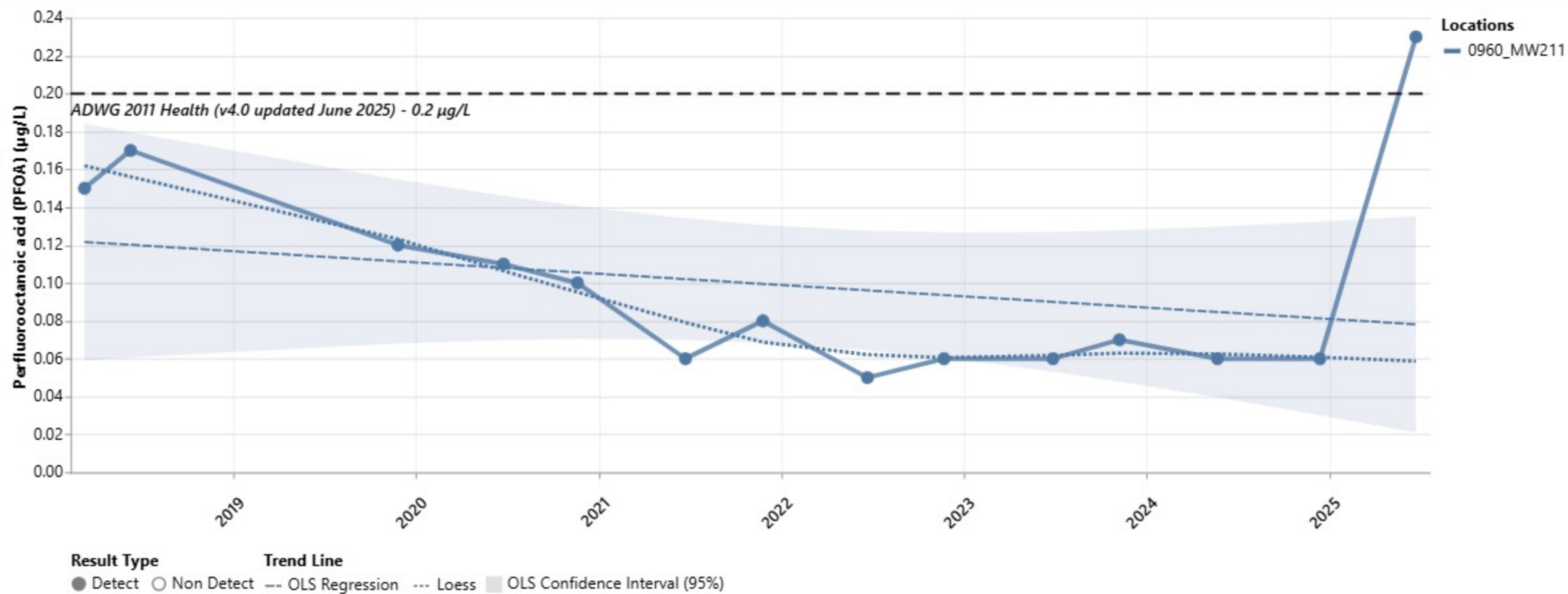
R: -0.2584

OLS Slope: 0.0000

OLS Intercept: 0.1217

Scale Estimate: 0.0533

P-value (Reg): 0.3724





Statistics

n: 14

Mann Kendall

S: 39

Z: 2.0803

Std Dev of S: 18.2665

Tabulated p-value: 0.0180

Approx p-value: 0.0187

OLS Regression

R-squared: 0.3717

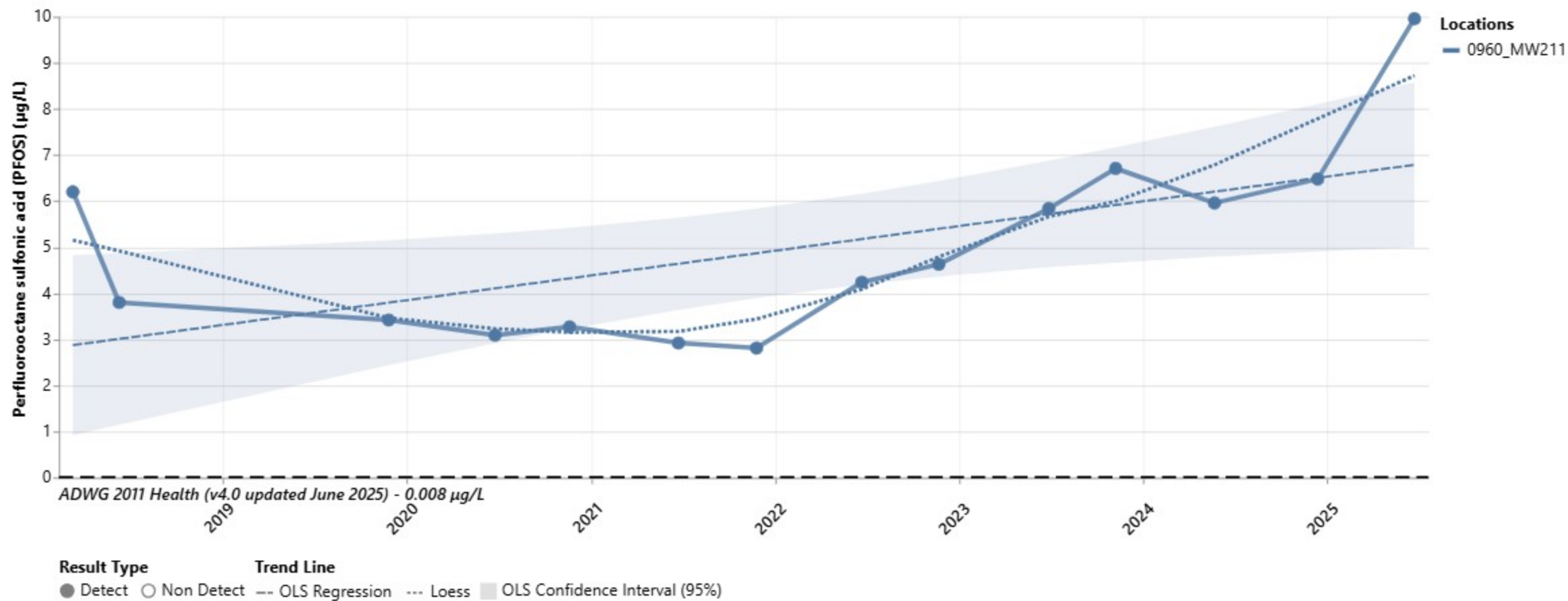
R: 0.6097

OLS Slope: 0.0015

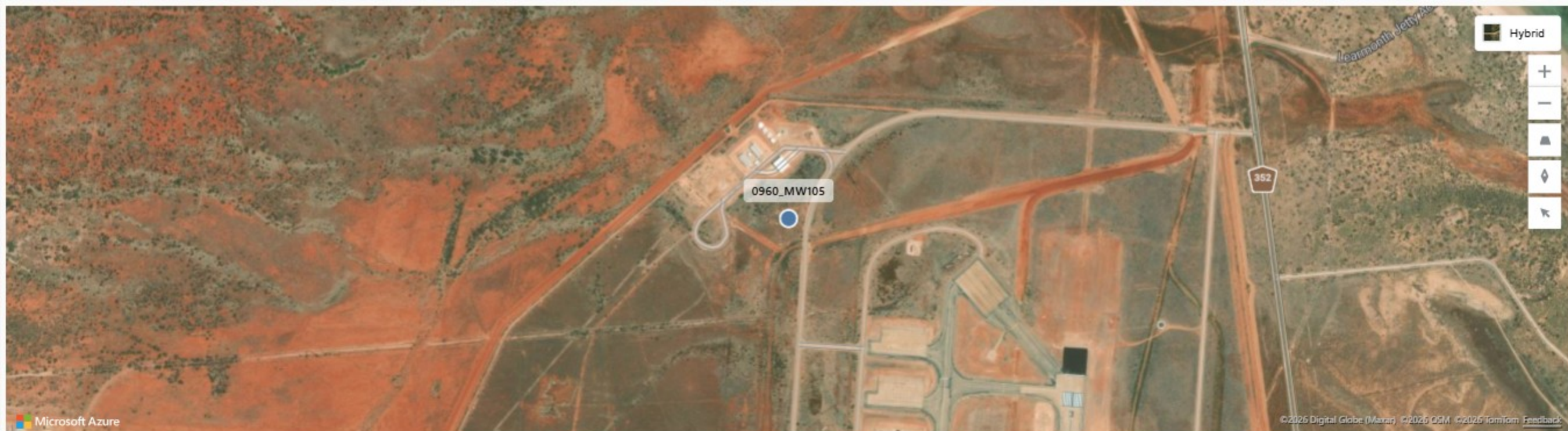
OLS Intercept: 2.8745

Scale Estimate: 1.6684

P-value (Reg): 0.0206



Source – Fuel Farm



Statistics

n: 14

Mann Kendall

S: 46

Z: 2.4772

Std Dev of S: 18.1659

Tabulated p-value: 0.0050

Approx p-value: 0.0066

OLS Regression

R-squared: 0.5102

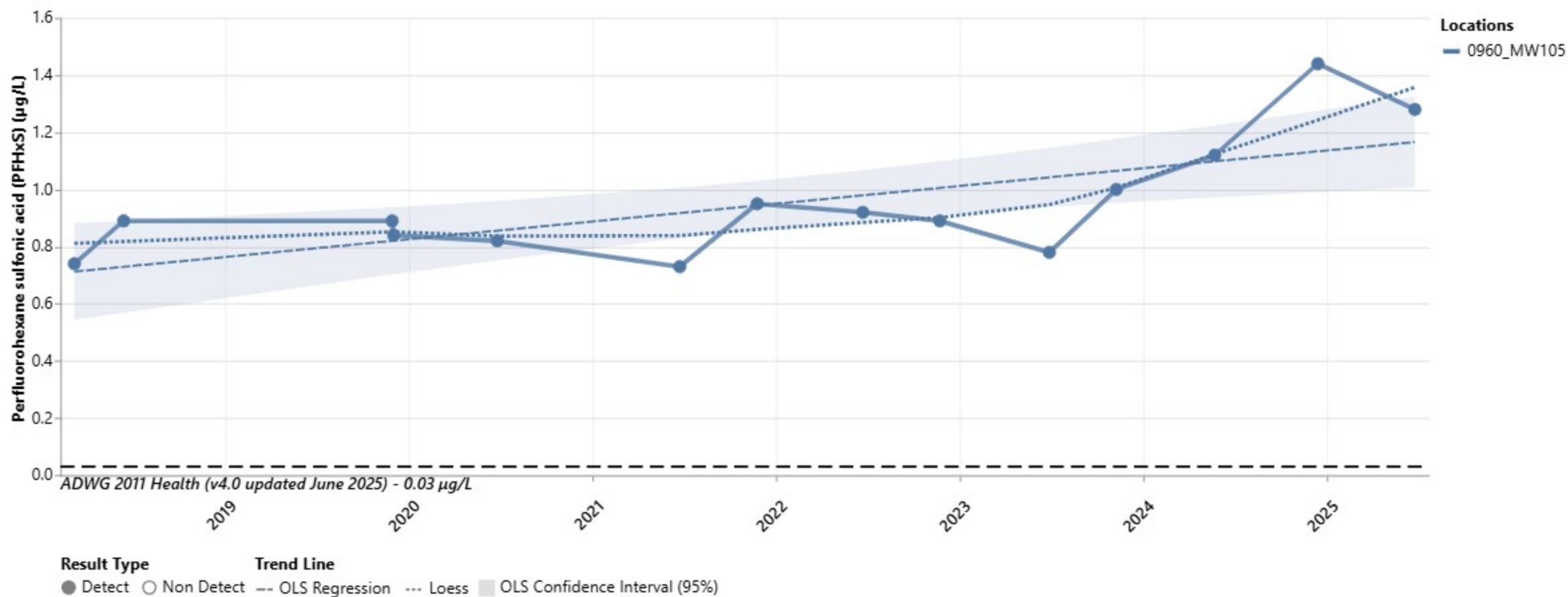
R: 0.7143

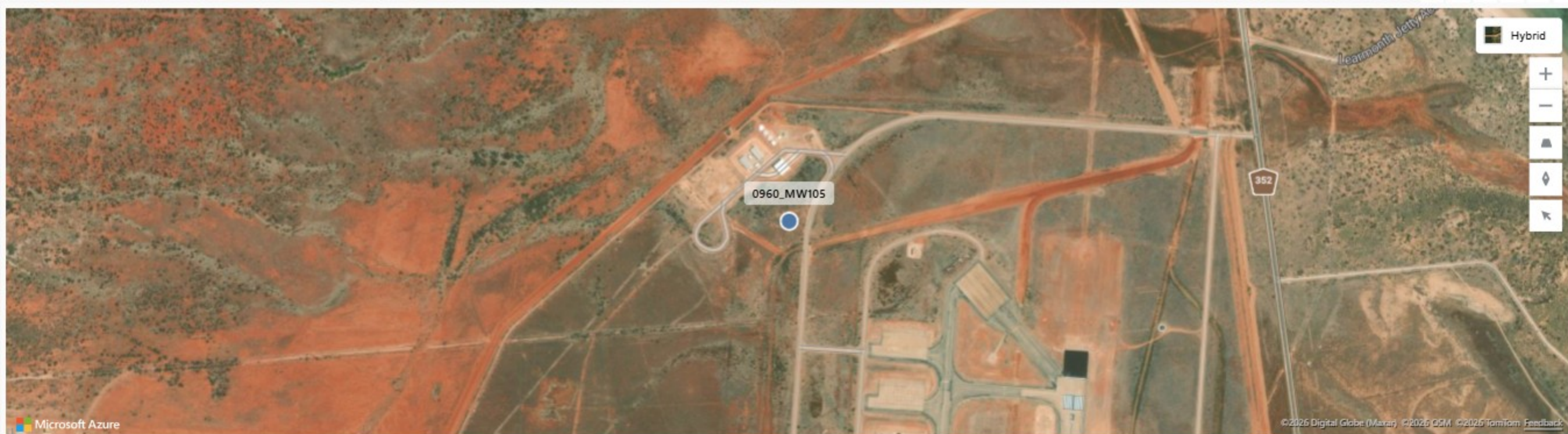
OLS Slope: 0.0002

OLS Intercept: 0.7126

Scale Estimate: 0.1488

P-value (Reg): 0.0041





Statistics

n: 14

Mann Kendall

S: 37

Z: 2.0114

Std Dev of S: 17.8979

Tabulated p-value: 0.0240

Approx p-value: 0.0221

OLS Regression

R-squared: 0.4524

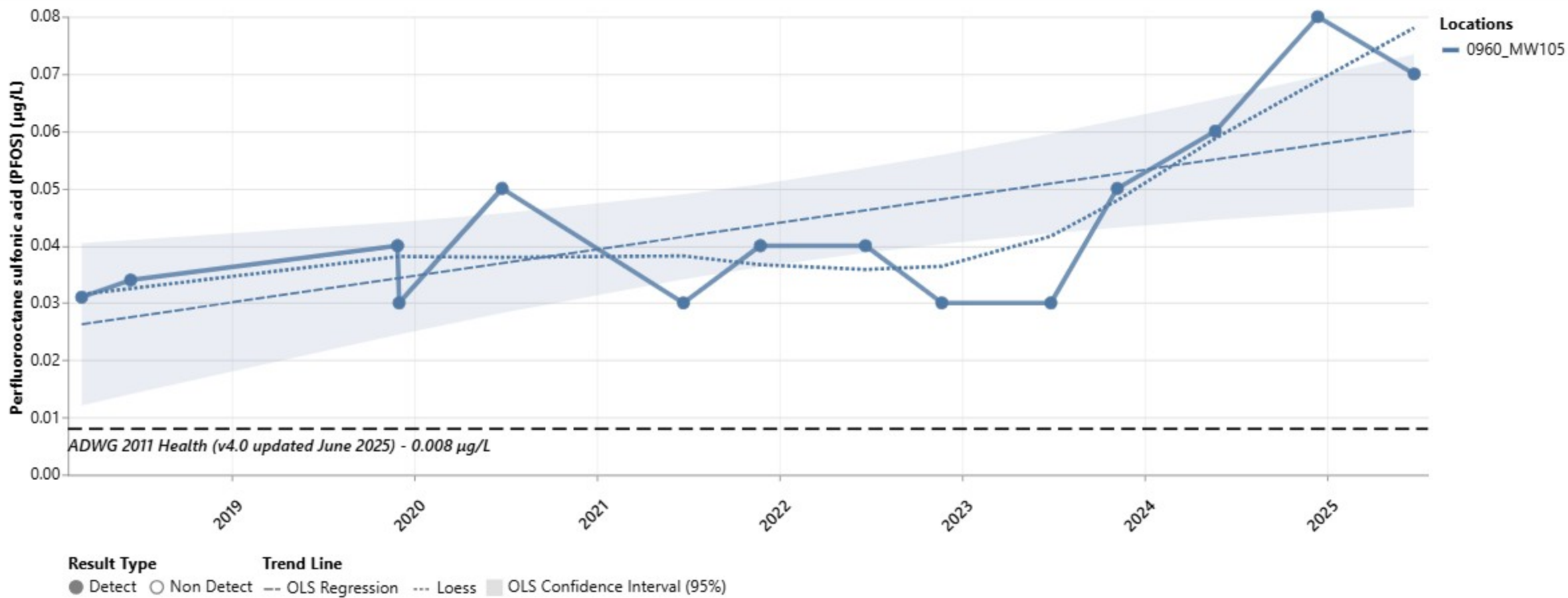
R: 0.6726

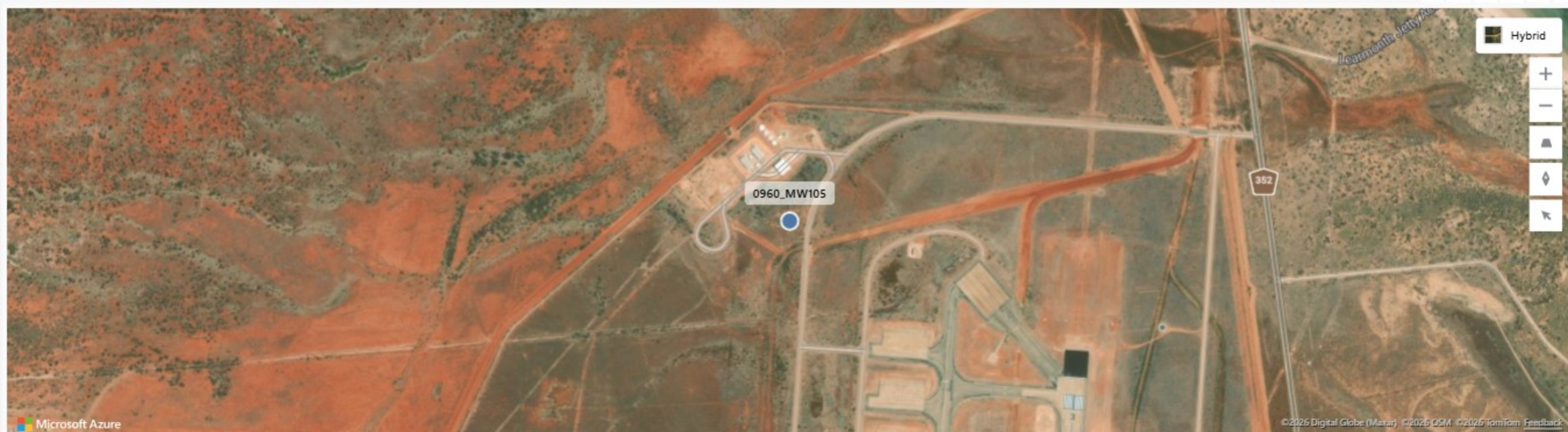
OLS Slope: 0.0000

OLS Intercept: 0.0263

Scale Estimate: 0.0125

P-value (Reg): 0.0084





Statistics

n: 12

Mann Kendall

S: 33

Z: 2.1995

Std Dev of S: 14.5488

Tabulated p-value: 0.0100

Approx p-value: 0.0139

OLS Regression

R-squared: 0.5455

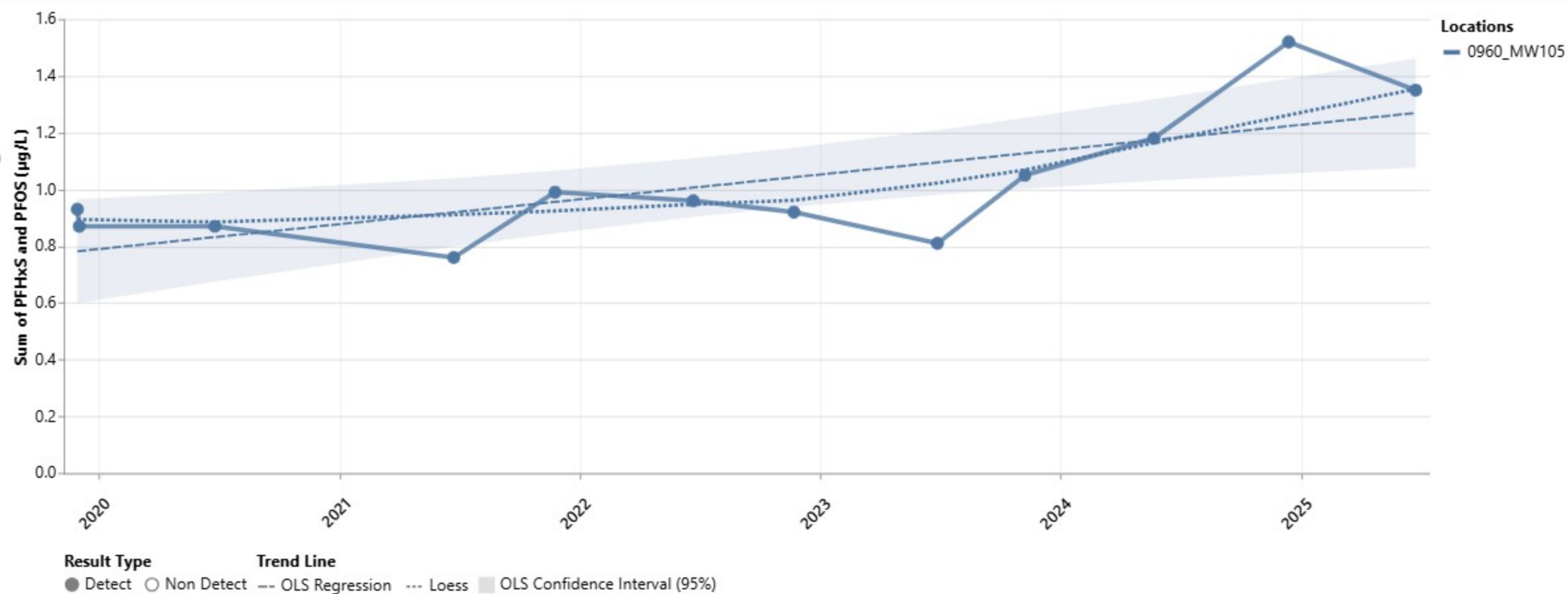
R: 0.7386

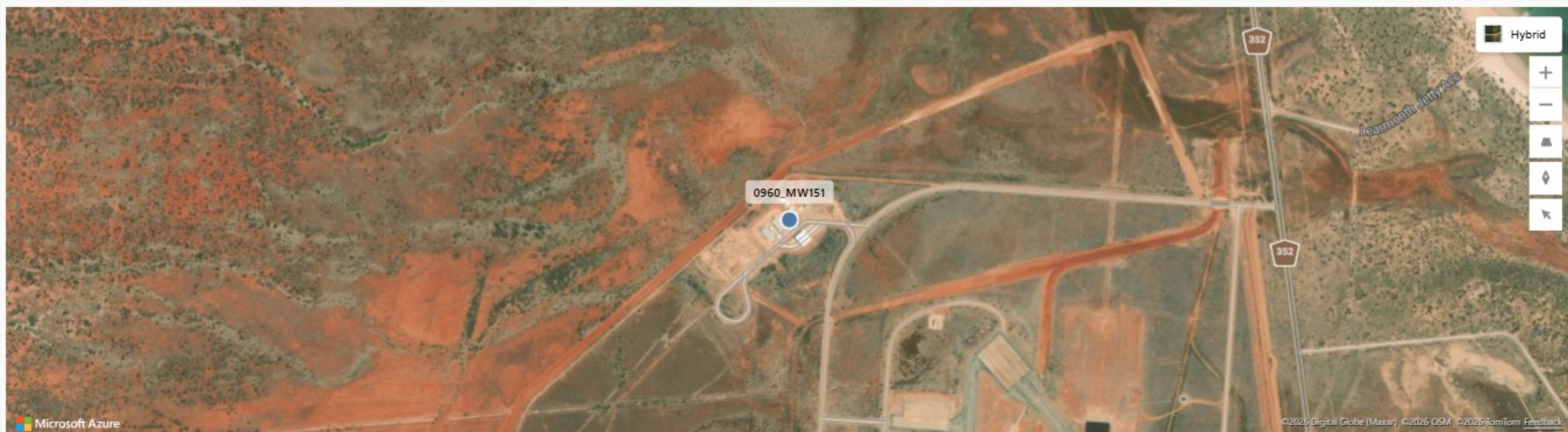
OLS Slope: 0.0002

OLS Intercept: 0.7818

Scale Estimate: 0.1602

P-value (Reg): 0.0061





Statistics

n: 13

Mann Kendall

S: -44

Z: -2.6234

Std Dev of S: 16.3911

Tabulated p-value: 0.0030

Approx p-value: 0.0044

OLS Regression

R-squared: 0.5940

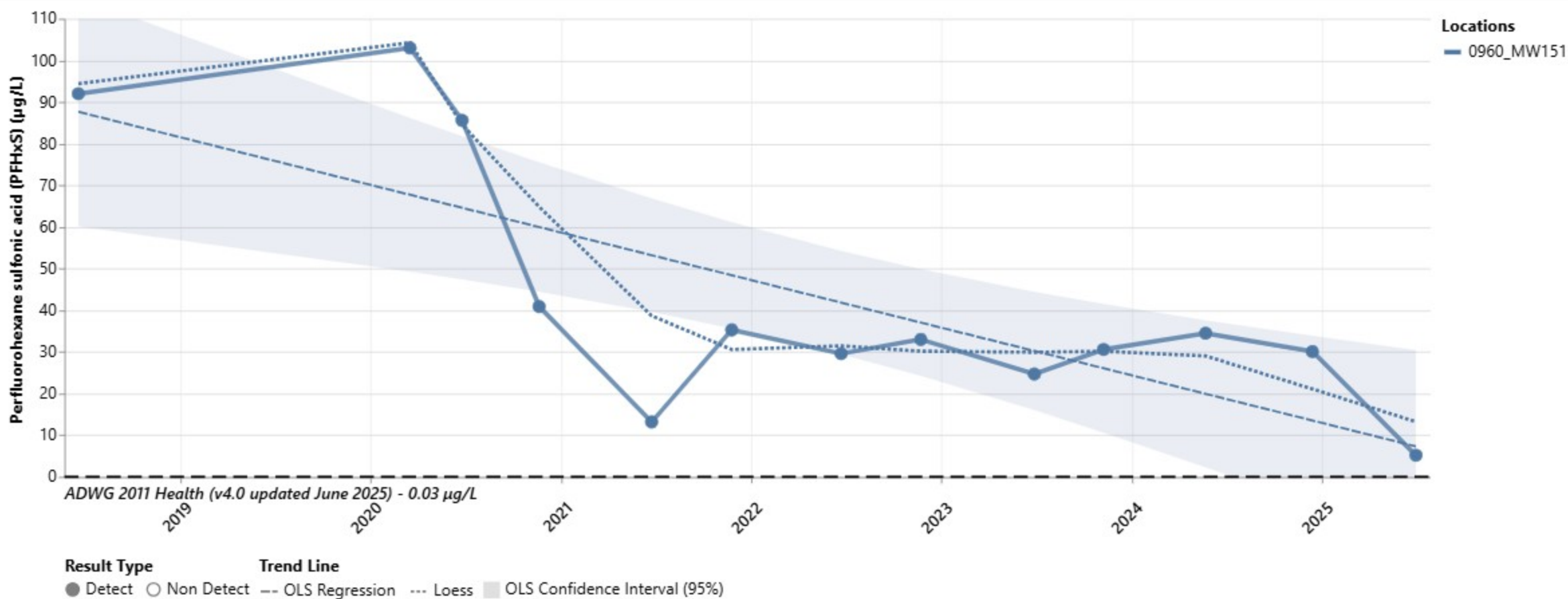
R: -0.7707

OLS Slope: -0.0313

OLS Intercept: 87.6642

Scale Estimate: 20.3353

P-value (Reg): 0.0020





Statistics

n: 13

Mann Kendall

S: -47

Z: -2.8116

Std Dev of S: 16.3605

Tabulated p-value: 0.0010

Approx p-value: 0.0025

OLS Regression

R-squared: 0.5475

R: -0.7399

OLS Slope: -0.0017

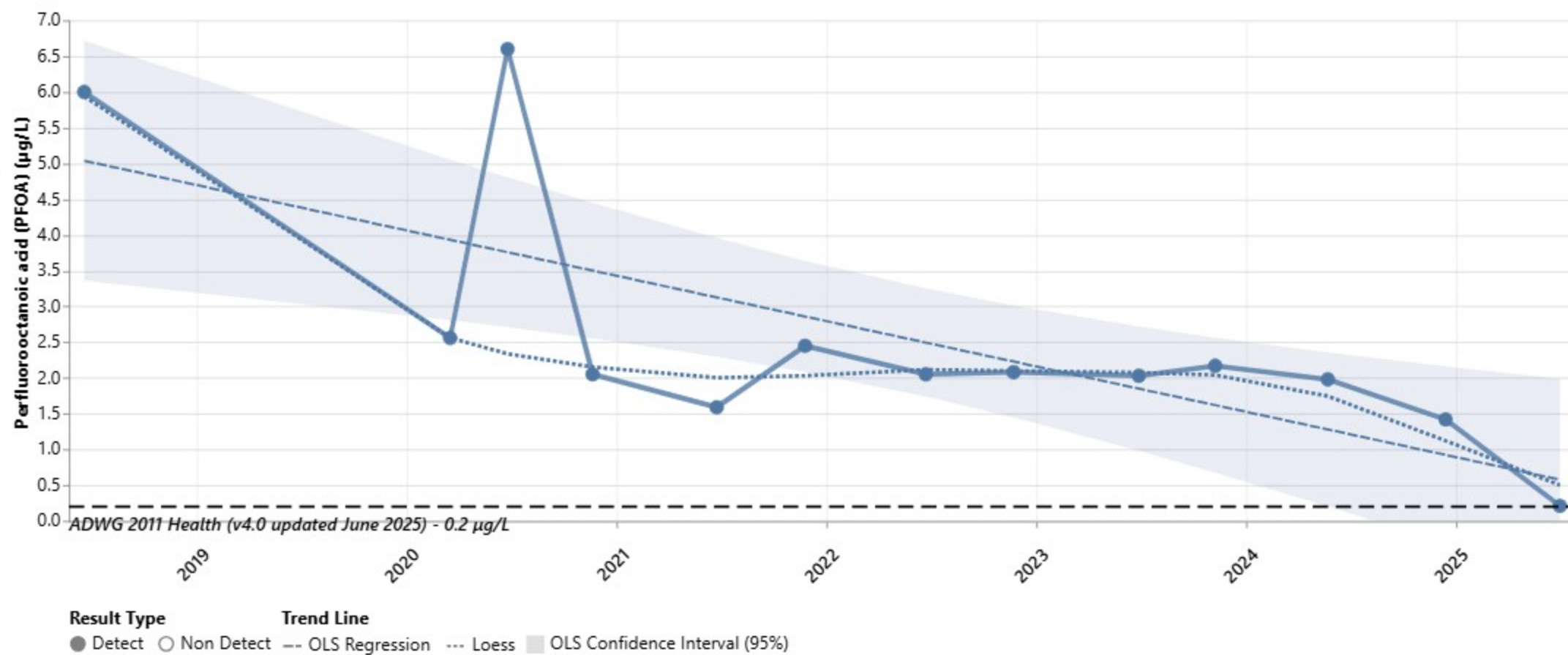
OLS Intercept: 5.0379

Scale Estimate: 1.2412

P-value (Reg): 0.0038

Locations

0960_MW151





Statistics

n: 13

Mann Kendall

S: -52

Z: -3.1115

Std Dev of S: 16.3911

Tabulated p-value: 0.0000

Approx p-value: 0.0009

OLS Regression

R-squared: 0.4664

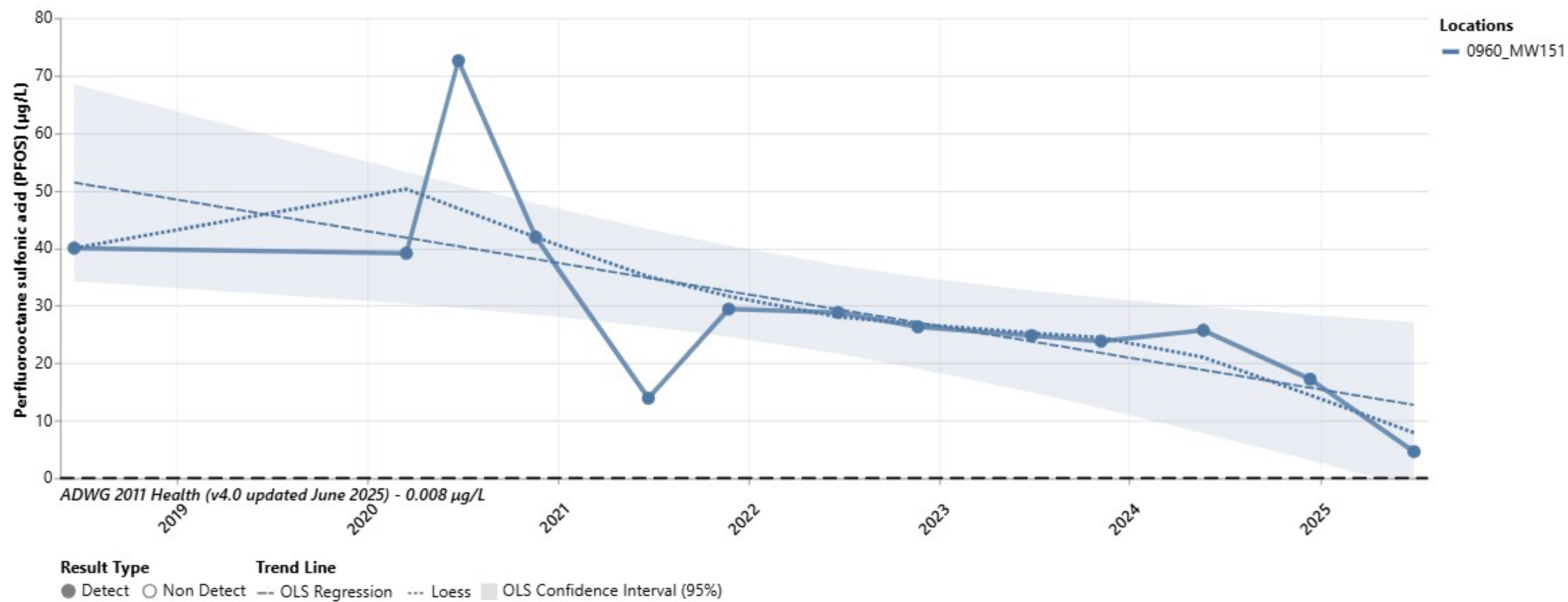
R: -0.6829

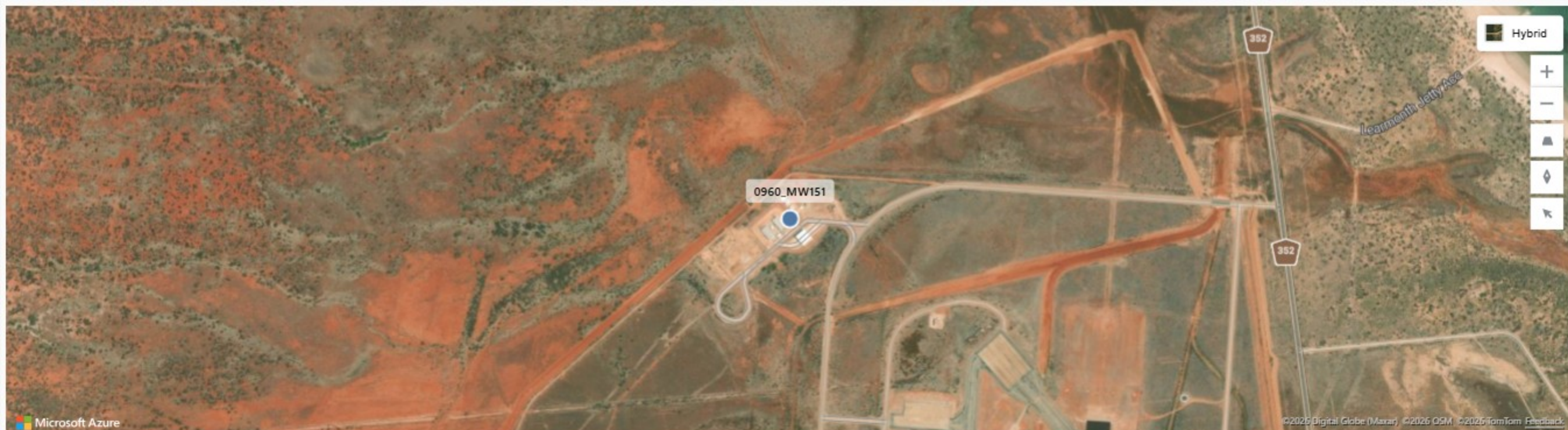
OLS Slope: -0.0151

OLS Intercept: 51.4034

Scale Estimate: 12.6637

P-value (Reg): 0.0101





Statistics

n: 13

Mann Kendall

S: -46

Z: -2.7454

Std Dev of S: 16.3911

Tabulated p-value: 0.0020

Approx p-value: 0.0030

OLS Regression

R-squared: 0.6062

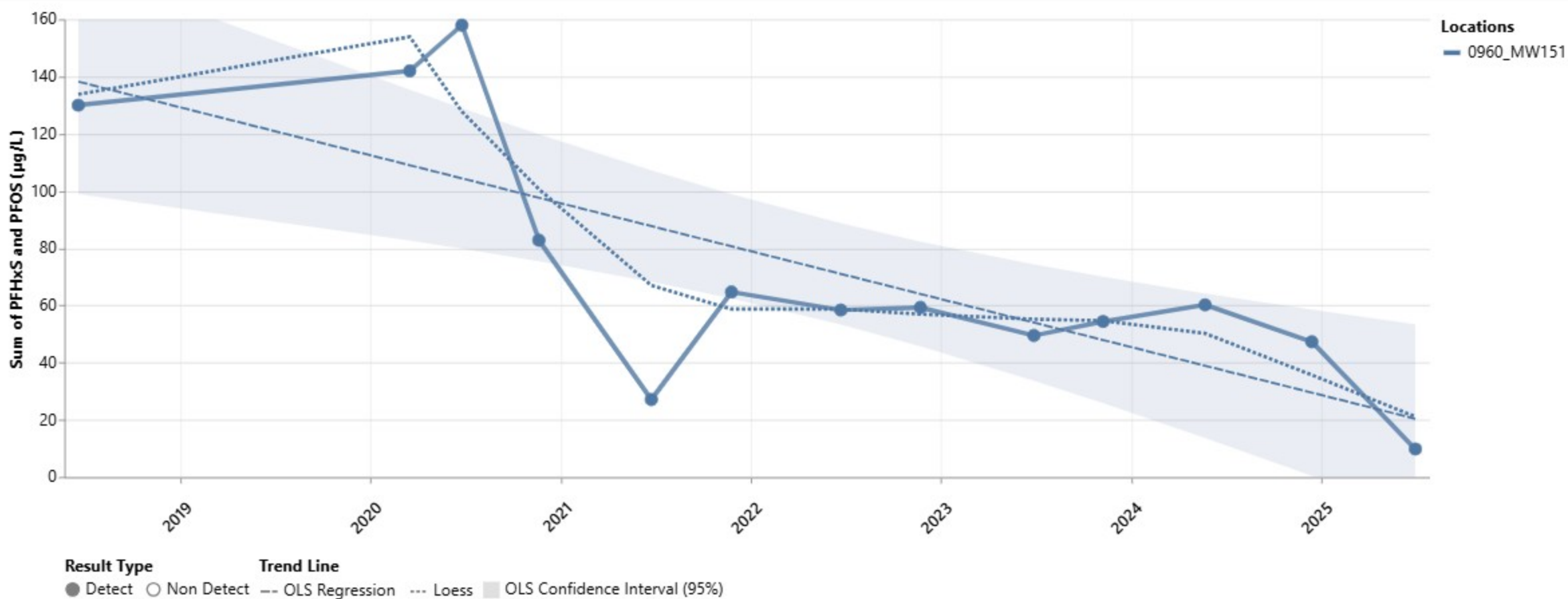
R: -0.7786

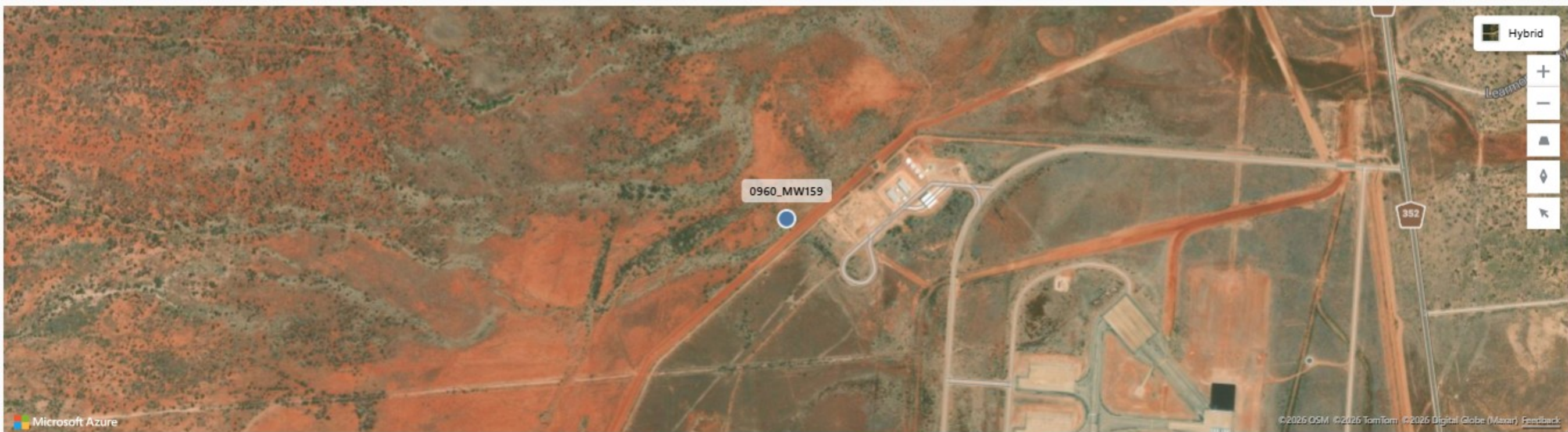
OLS Slope: -0.0459

OLS Intercept: 138.2425

Scale Estimate: 29.0798

P-value (Reg): 0.0017





Statistics

n: 13

Mann Kendall

S: -21

Z: -1.6686

Std Dev of S: 11.9861

Tabulated p-value: 0.1020

Approx p-value: 0.0476

OLS Regression

R-squared: 0.0707

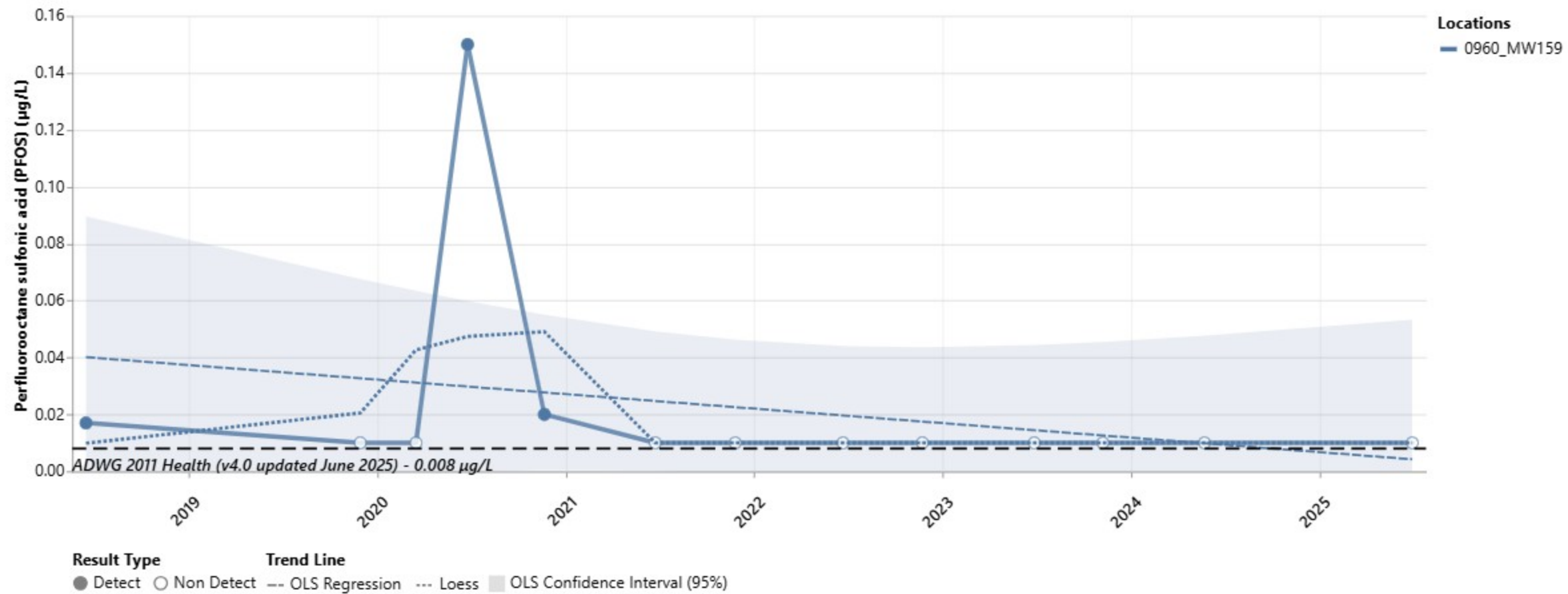
R: -0.2659

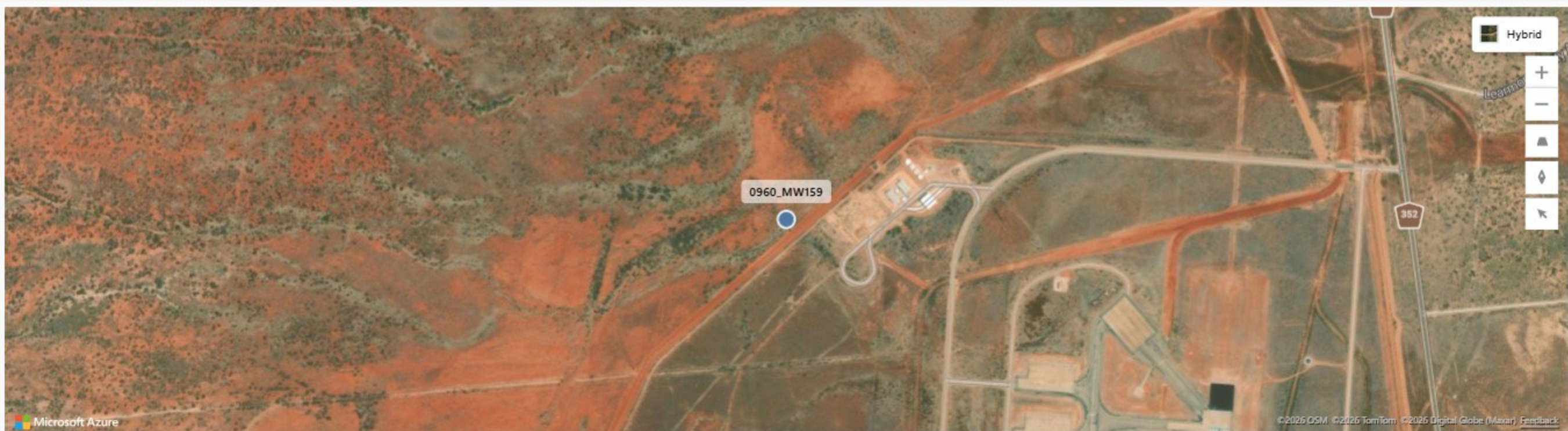
OLS Slope: 0.0000

OLS Intercept: 0.0401

Scale Estimate: 0.0388

P-value (Reg): 0.3799





Statistics

n: 13

Mann Kendall

S: -22

Z: -1.7582

Std Dev of S: 11.9443

Tabulated p-value: 0.1020

Approx p-value: 0.0394

OLS Regression

R-squared: 0.0645

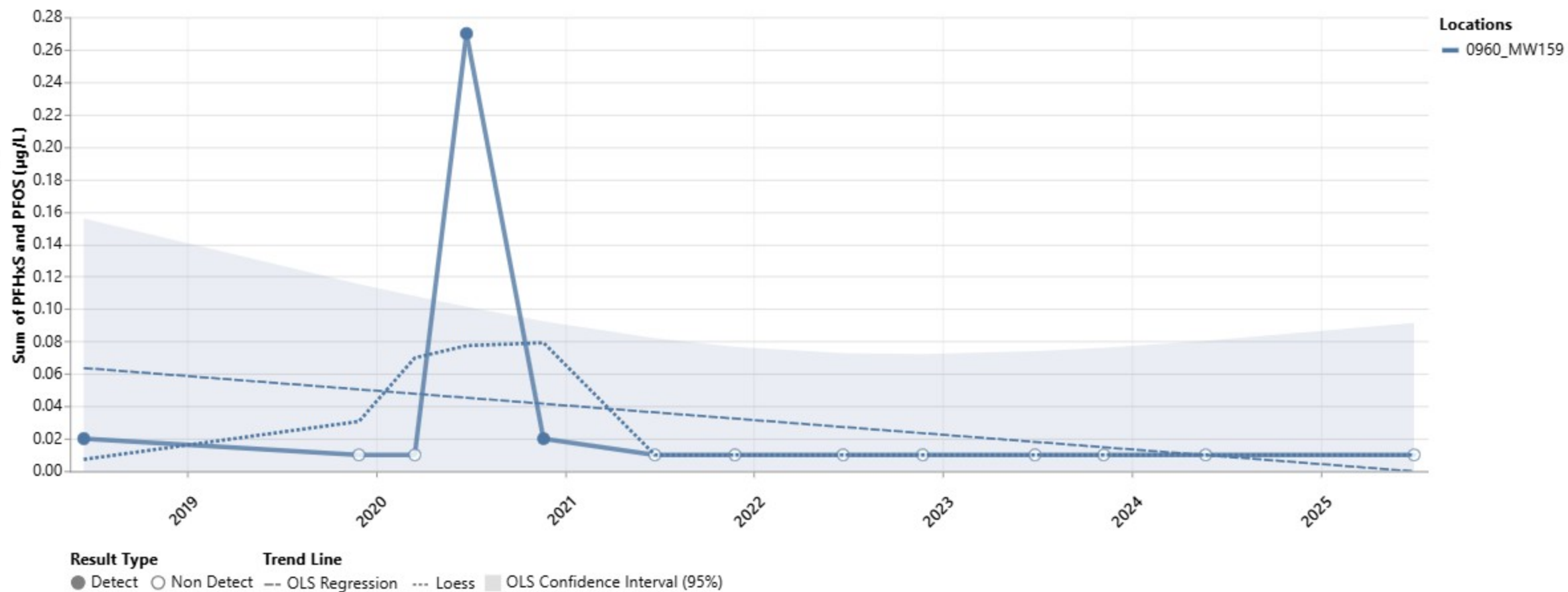
R: -0.2539

OLS Slope: 0.0000

OLS Intercept: 0.0636

Scale Estimate: 0.0725

P-value (Reg): 0.4026





Statistics

n: 8

Mann Kendall

S: -18

Z: -2.1032

Std Dev of S: 8.0829

Tabulated p-value: 0.0160

Approx p-value: 0.0177

OLS Regression

R-squared: 0.7177

R: -0.8472

OLS Slope: -0.0277

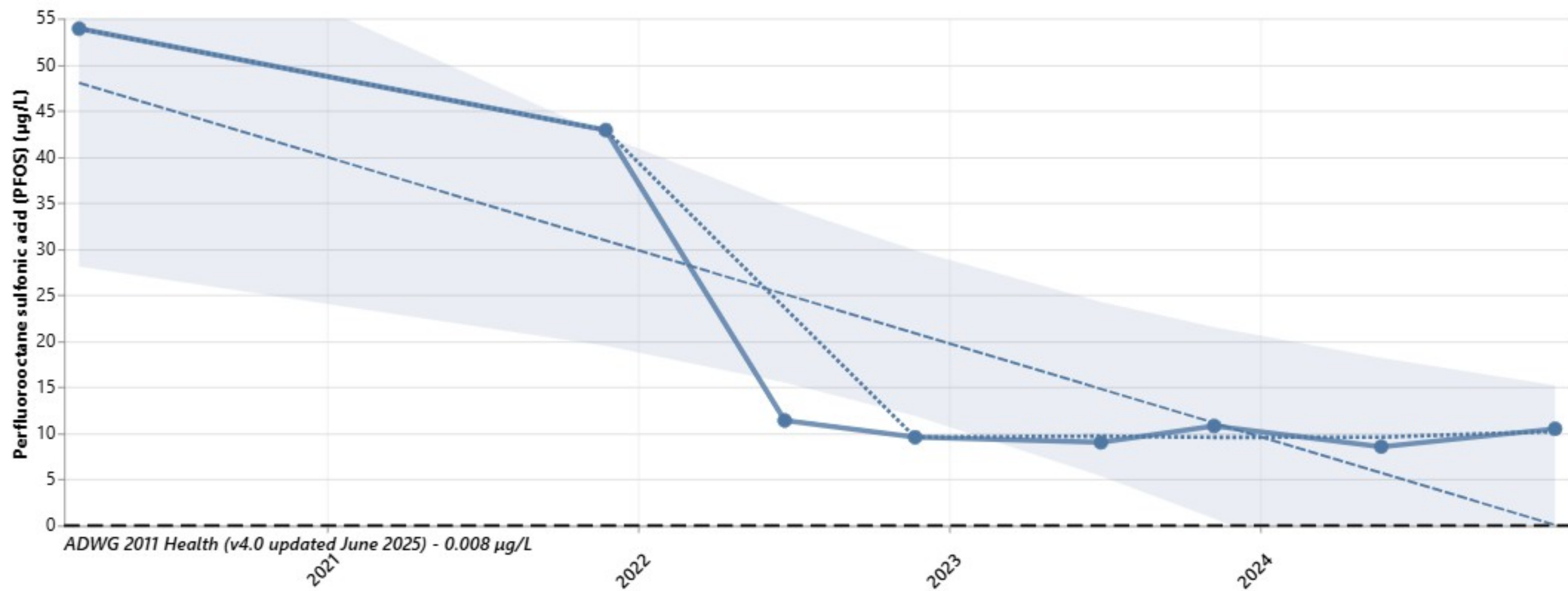
OLS Intercept: 48.0338

Scale Estimate: 10.3589

P-value (Reg): 0.0079

Locations

0960_MW238



Result Type

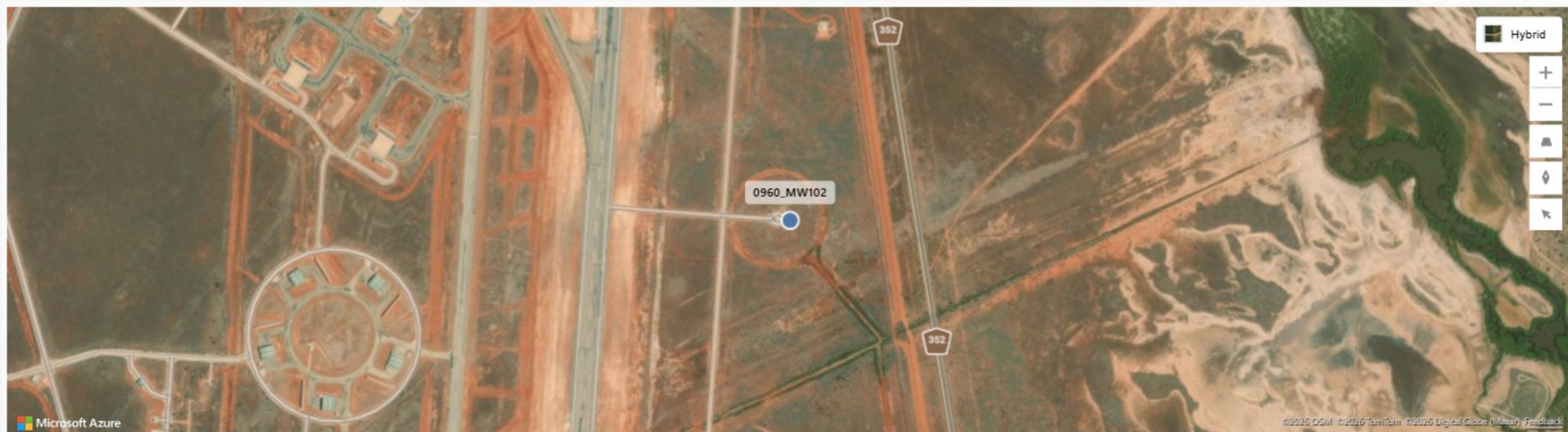
● Detect ○ Non Detect

Trend Line

--- OLS Regression --- Loess

■ OLS Confidence Interval (95%)

Pathway – Drainage channels



Statistics

n: 14

Mann Kendall

S: 24

Z: 2.0996

Std Dev of S: 10.9545

Tabulated p-value: 0.0960

Approx p-value: 0.0179

OLS Regression

R-squared: 0.4779

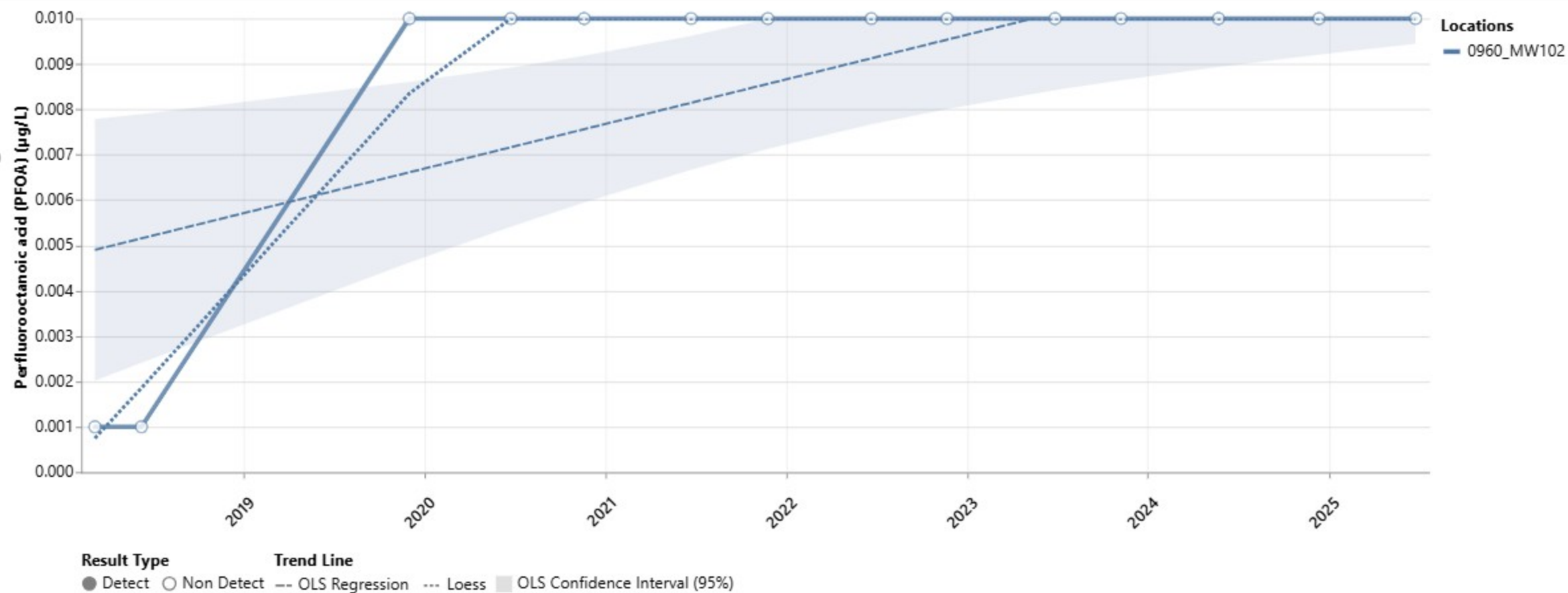
R: 0.6913

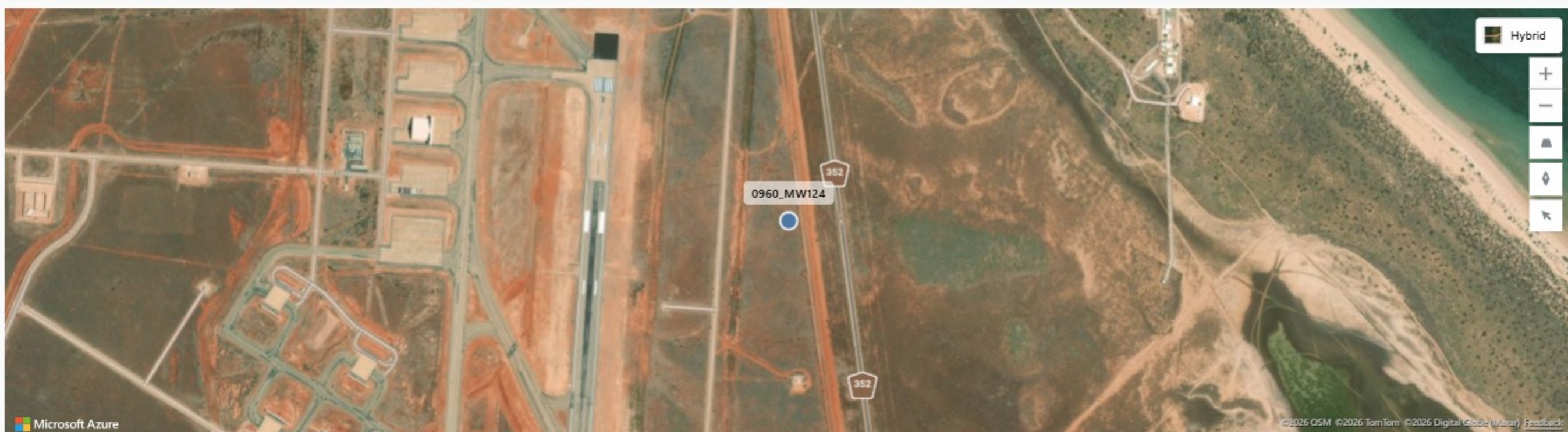
OLS Slope: 0.0000

OLS Intercept: 0.0049

Scale Estimate: 0.0025

P-value (Reg): 0.0062





Statistics

n: 14

Mann Kendall

S: 24

Z: 2.0996

Std Dev of S: 10.9545

Tabulated p-value: 0.0960

Approx p-value: 0.0179

OLS Regression

R-squared: 0.4785

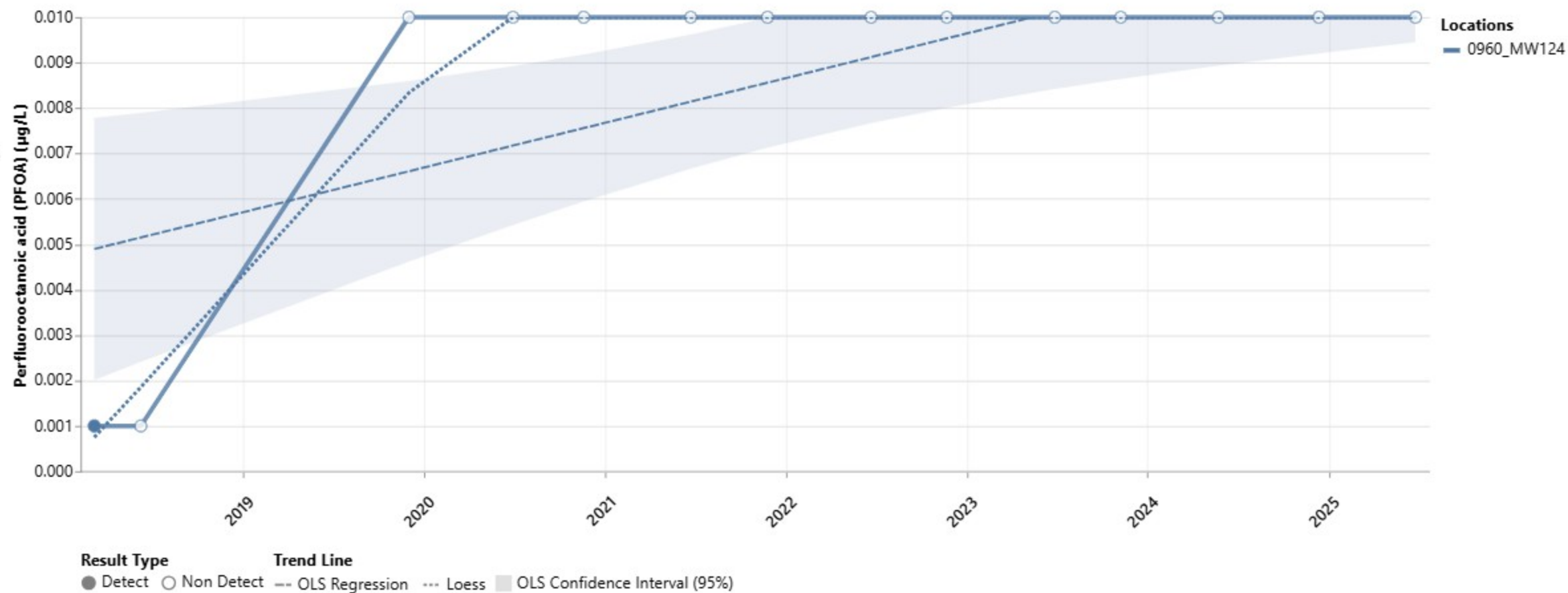
R: 0.6917

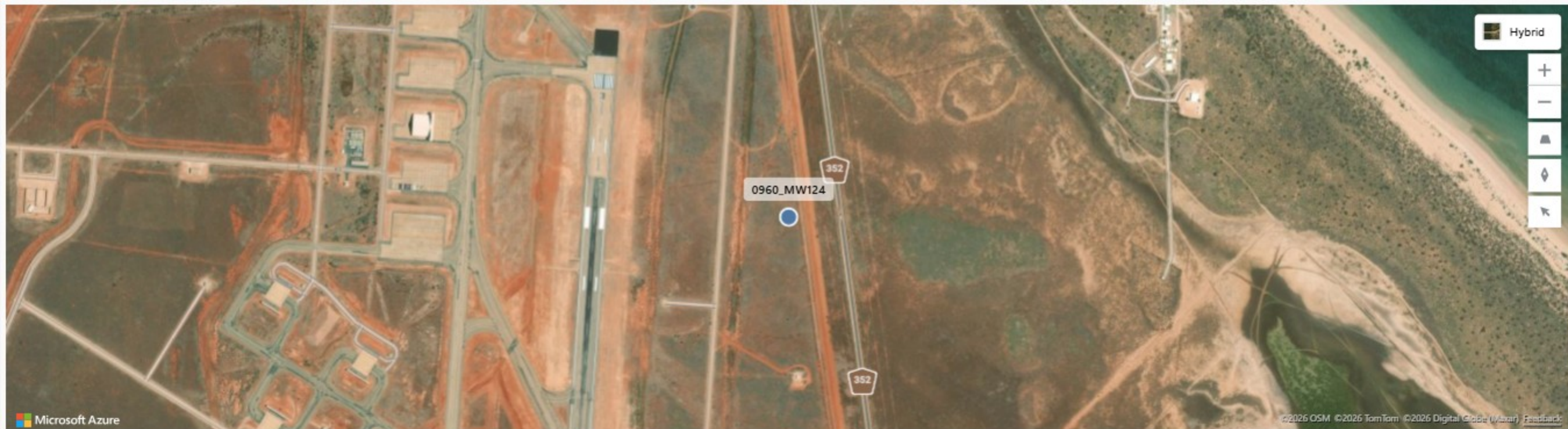
OLS Slope: 0.0000

OLS Intercept: 0.0049

Scale Estimate: 0.0025

P-value (Reg): 0.0061





Statistics

n: 14

Mann Kendall

S: 25

Z: 2.1818

Std Dev of S: 11.0000

Tabulated p-value: 0.0960

Approx p-value: 0.0146

OLS Regression

R-squared: 0.4688

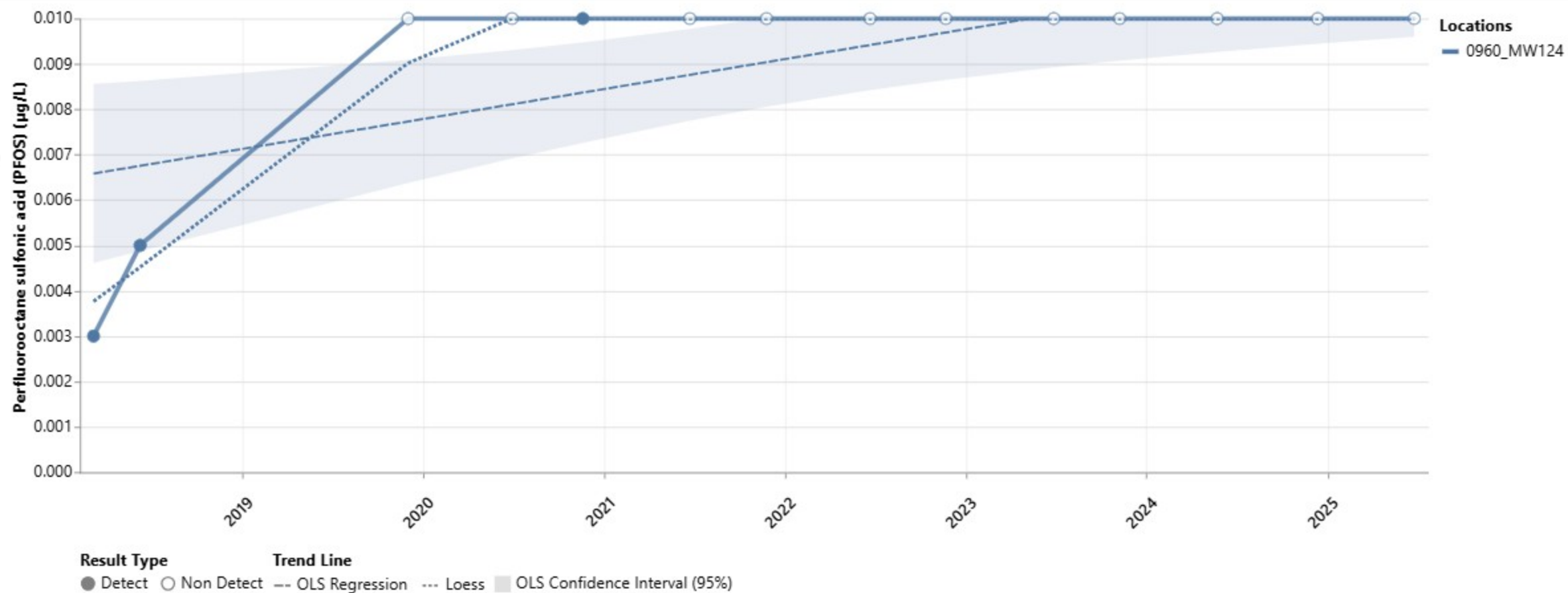
R: 0.6847

OLS Slope: 0.0000

OLS Intercept: 0.0066

Scale Estimate: 0.0017

P-value (Reg): 0.0069

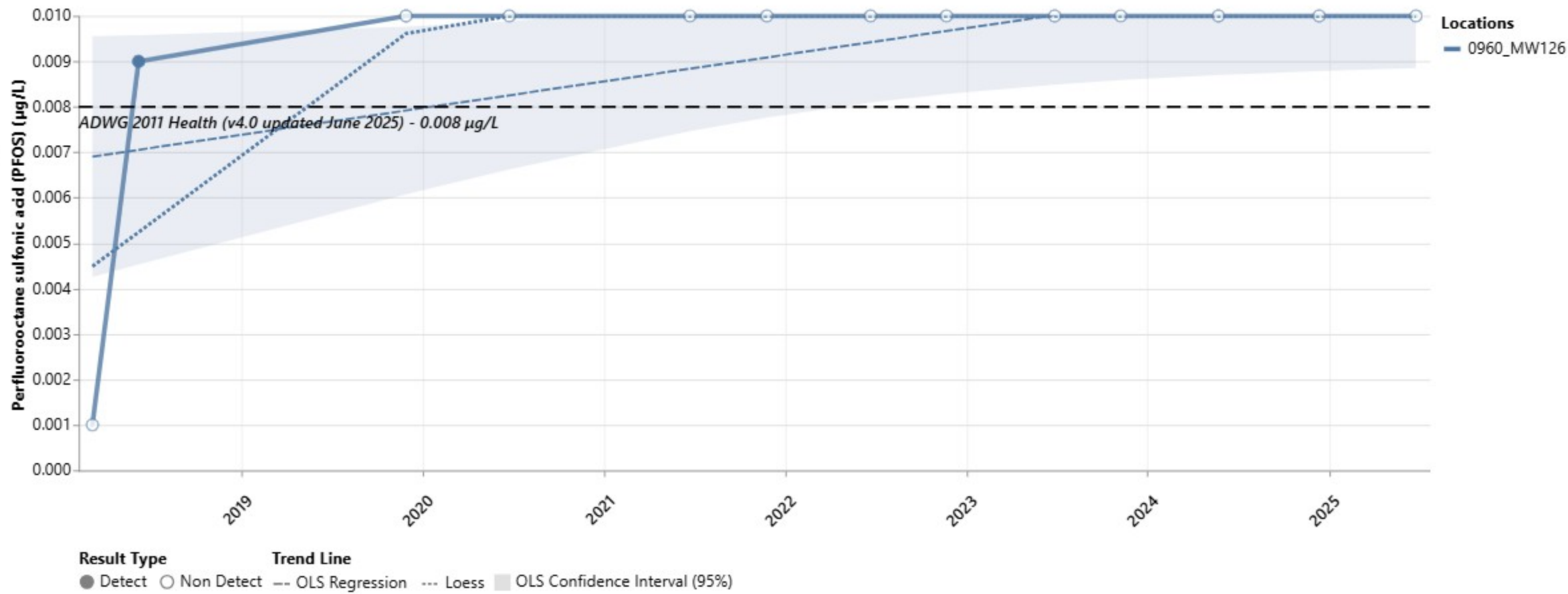




Statistics

n: 13
Mann Kendall
S: 23
Z: 2.1607
Std Dev of S: 10.1817
Tabulated p-value: 0.0820
Approx p-value: 0.0154

OLS Regression
R-squared: 0.3112
R: 0.5578
OLS Slope: 0.0000
OLS Intercept: 0.0069
Scale Estimate: 0.0022
P-value (Reg): 0.0476





Statistics

n: 14

Mann Kendall

S: 33

Z: 2.4713

Std Dev of S: 12.9486

Tabulated p-value: 0.0400

Approx p-value: 0.0067

OLS Regression

R-squared: 0.3294

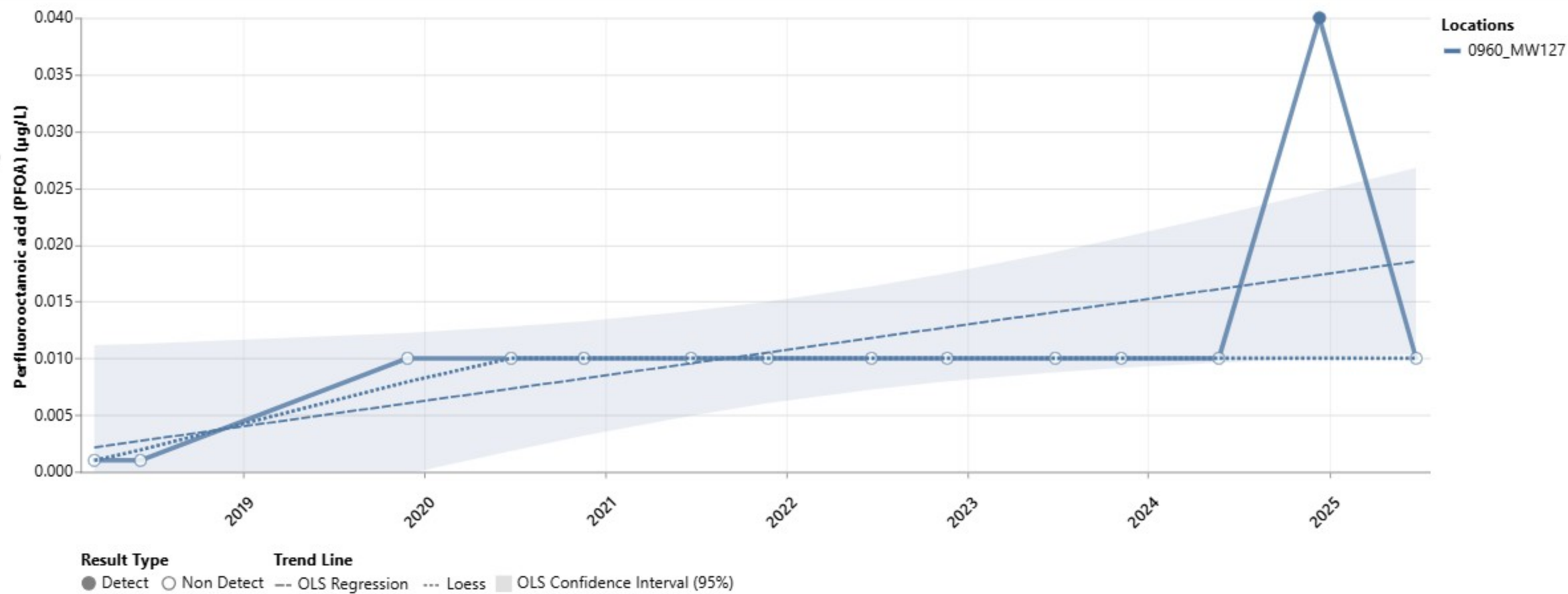
R: 0.5739

OLS Slope: 0.0000

OLS Intercept: 0.0021

Scale Estimate: 0.0077

P-value (Reg): 0.0319





Statistics

n: 14

Mann Kendall

S: 33

Z: 2.4713

Std Dev of S: 12.9486

Tabulated p-value: 0.0400

Approx p-value: 0.0067

OLS Regression

R-squared: 0.1393

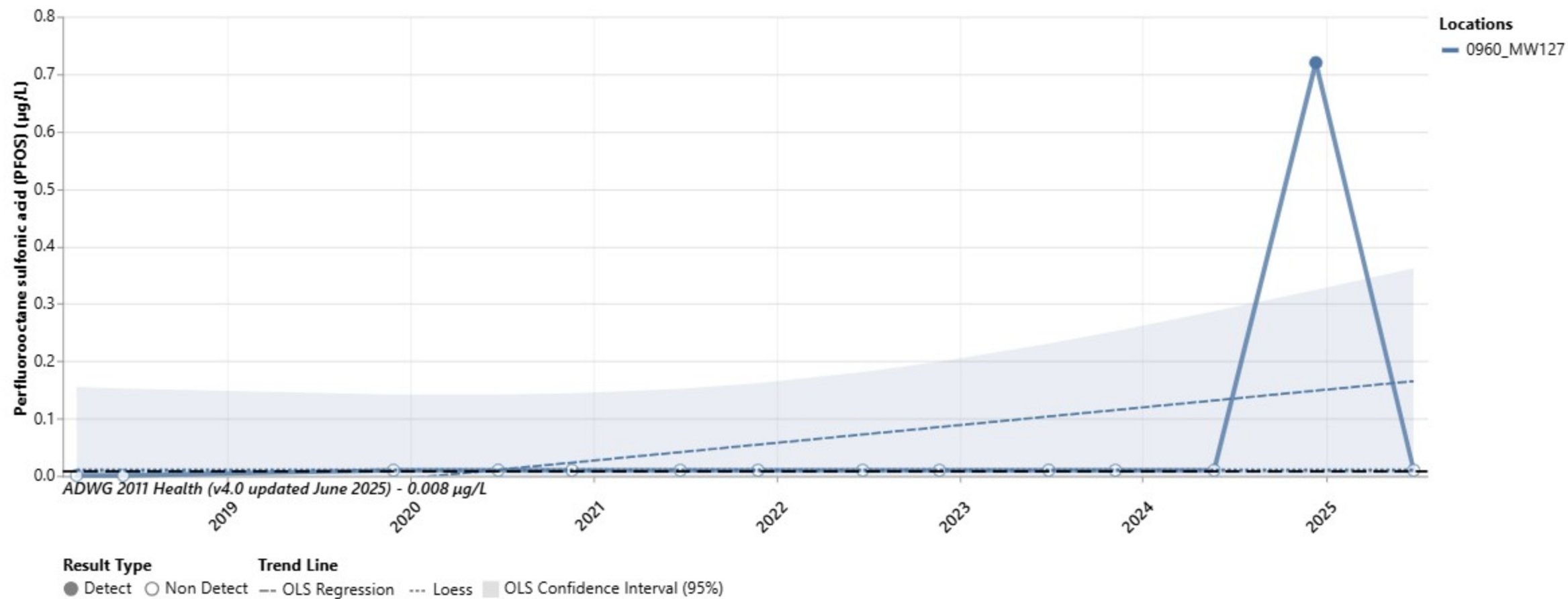
R: 0.3732

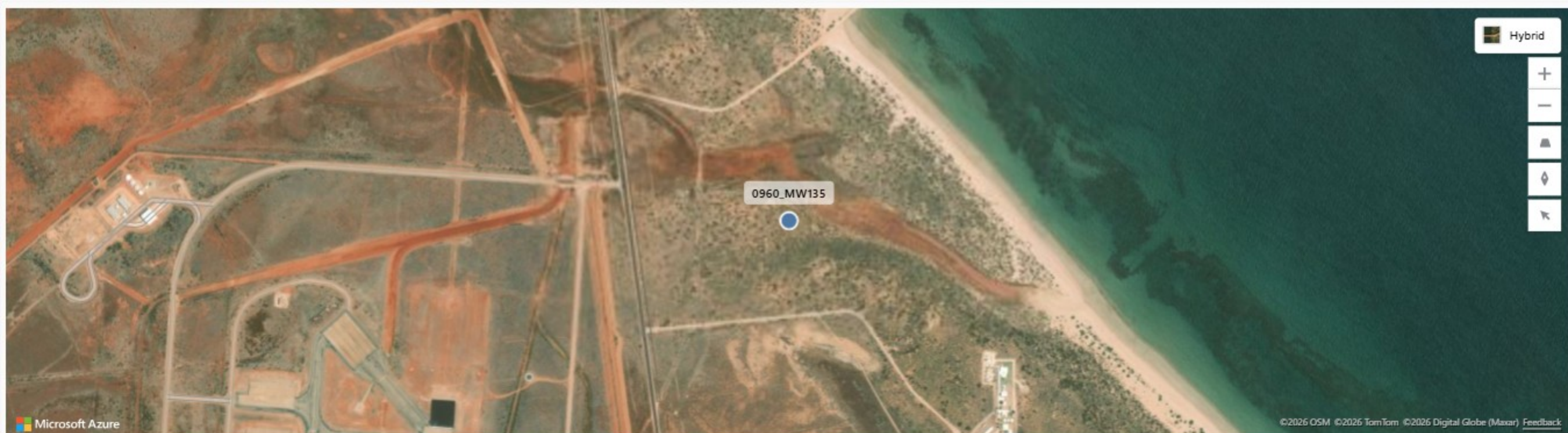
OLS Slope: 0.0001

OLS Intercept: -0.0603

Scale Estimate: 0.1836

P-value (Reg): 0.1888





Statistics

n: 14

Mann Kendall

S: 23

Z: 2.0000

Std Dev of S: 11.0000

Tabulated p-value: 0.1170

Approx p-value: 0.0228

OLS Regression

R-squared: 0.4634

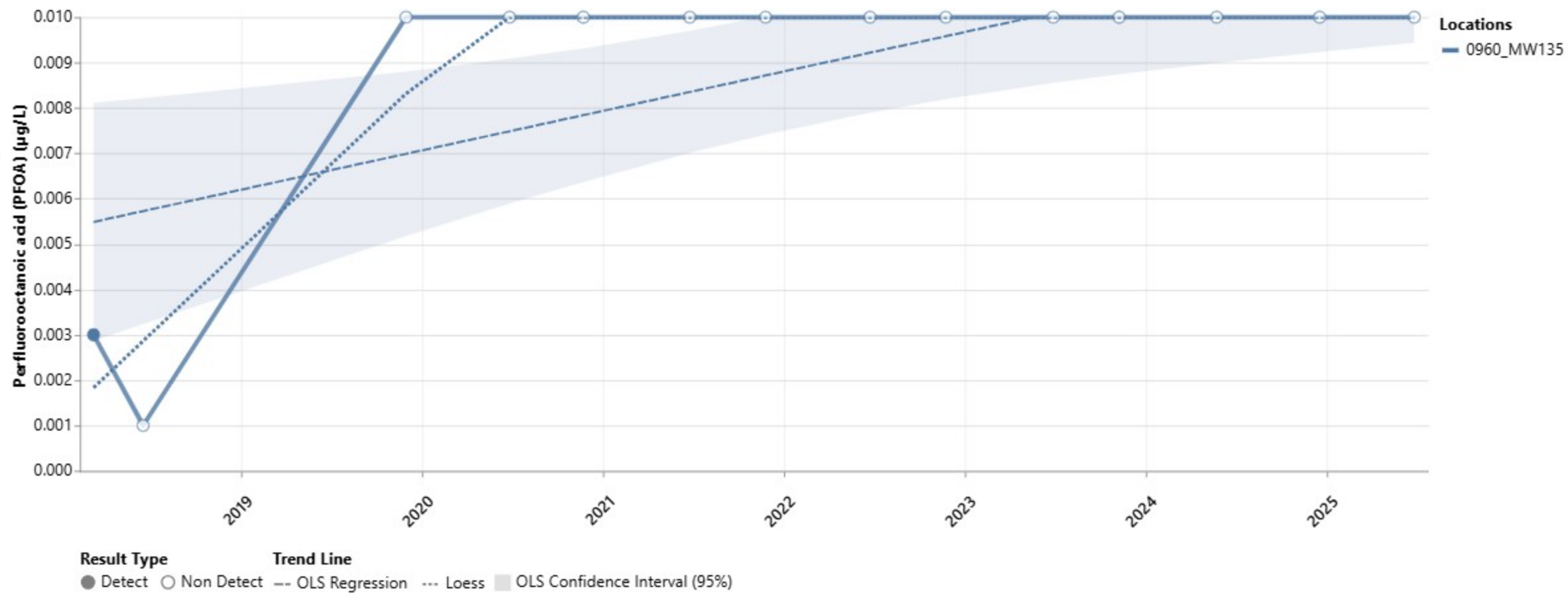
R: 0.6808

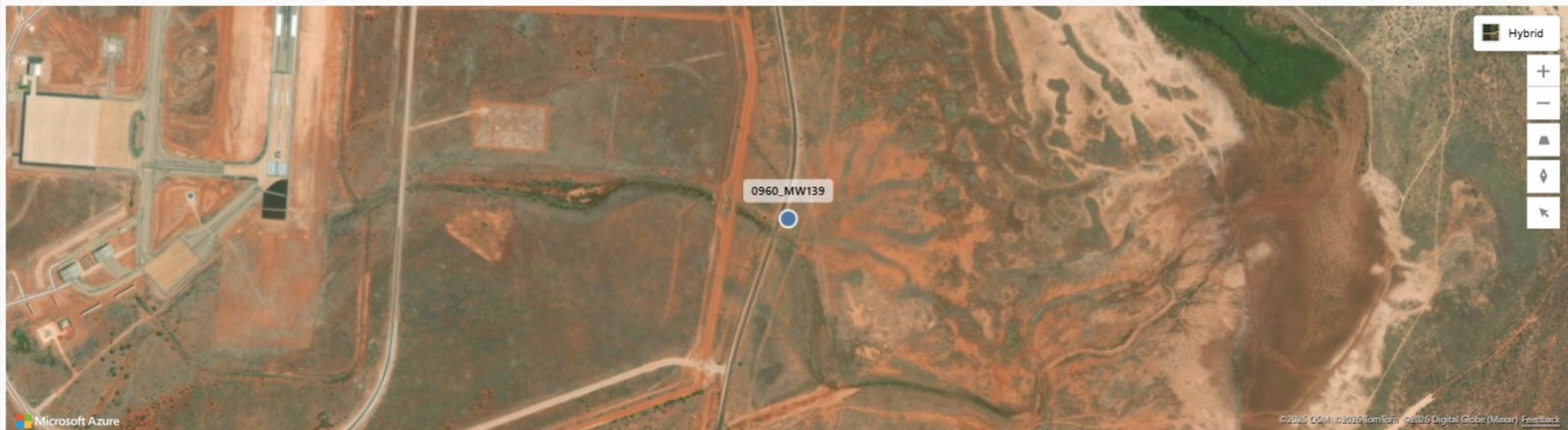
OLS Slope: 0.0000

OLS Intercept: 0.0055

Scale Estimate: 0.0022

P-value (Reg): 0.0074





Statistics

n: 14

Mann Kendall

S: 24

Z: 2.0996

Std Dev of S: 10.9545

Tabulated p-value: 0.0960

Approx p-value: 0.0179

OLS Regression

R-squared: 0.4777

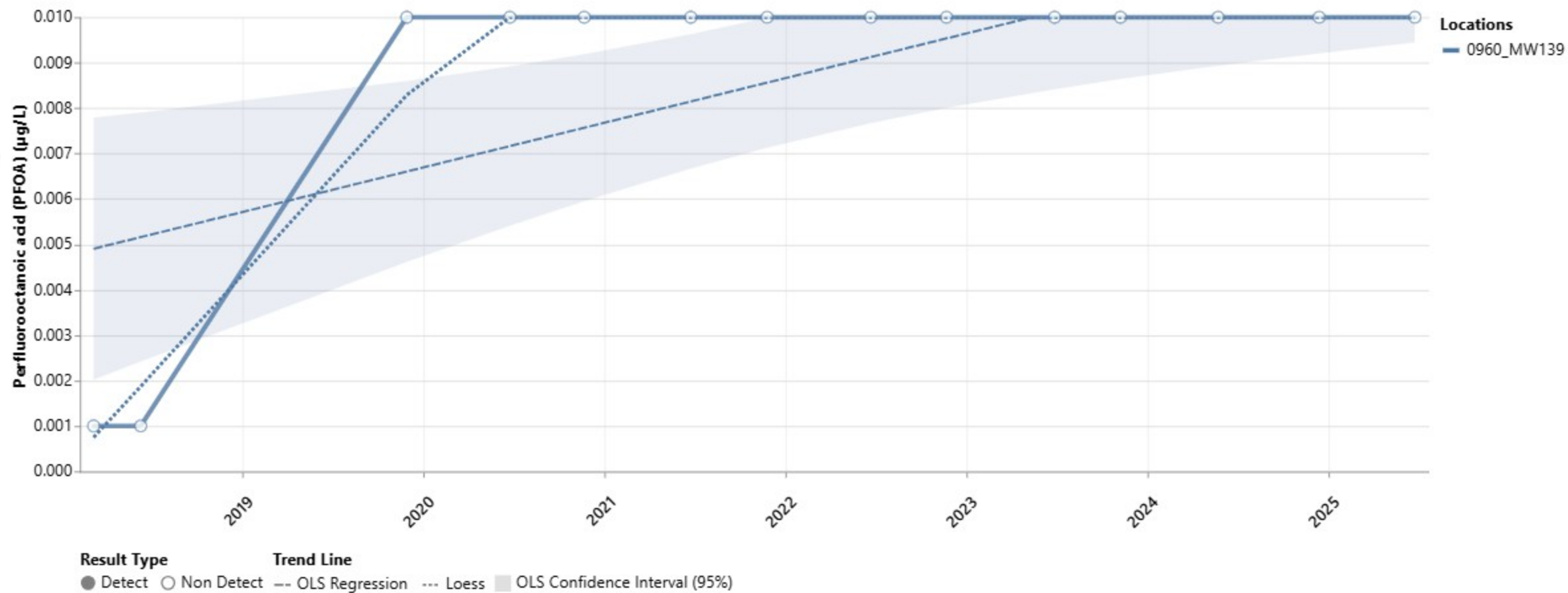
R: 0.6911

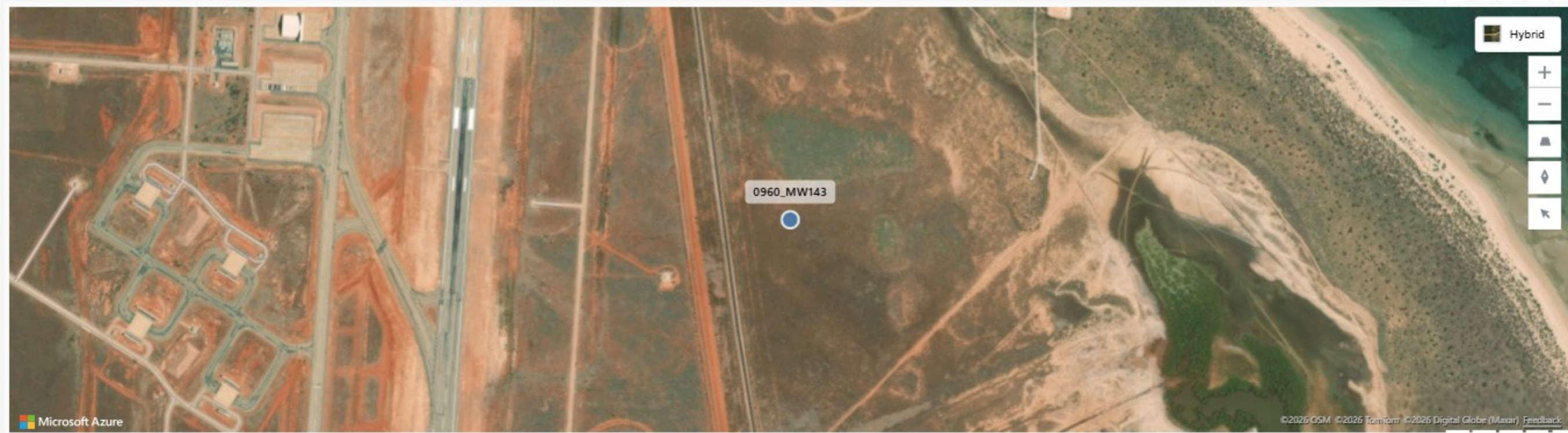
OLS Slope: 0.0000

OLS Intercept: 0.0049

Scale Estimate: 0.0025

P-value (Reg): 0.0062





Statistics

n: 14

Mann Kendall

S: 25

Z: 2.1818

Std Dev of S: 11.0000

Tabulated p-value: 0.0960

Approx p-value: 0.0146

OLS Regression

R-squared: 0.3381

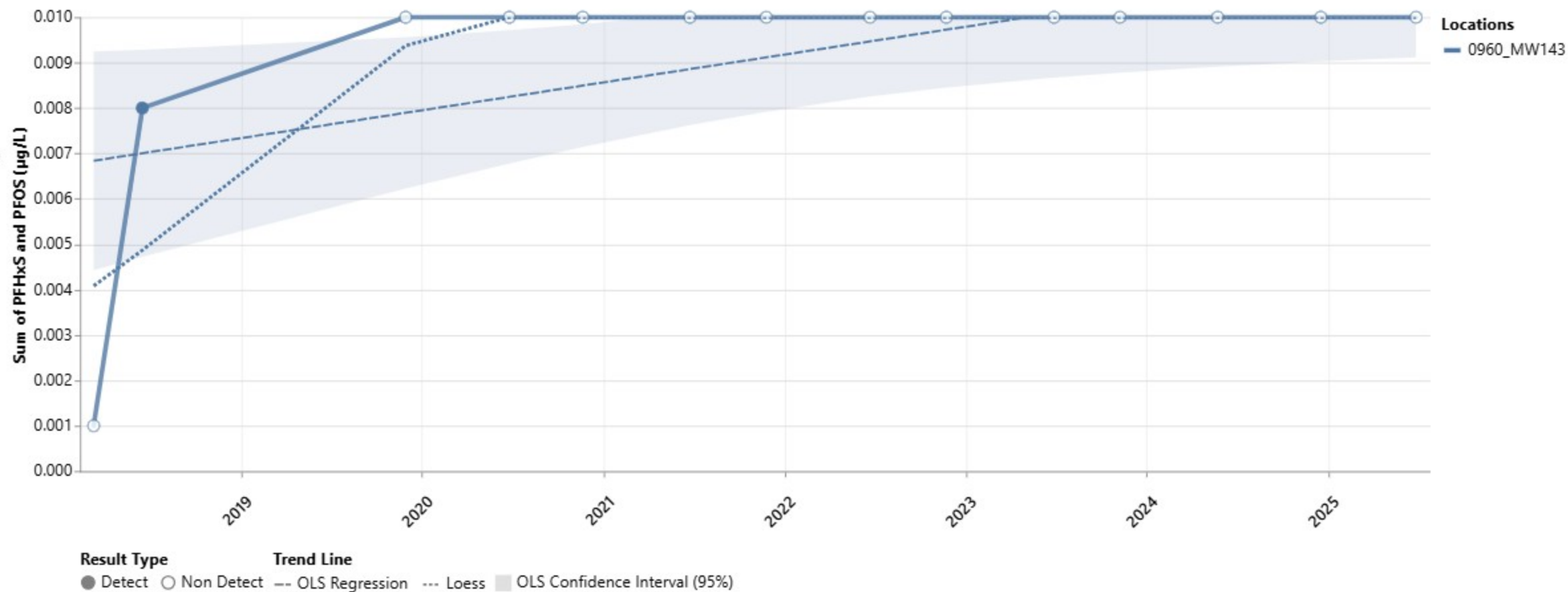
R: 0.5814

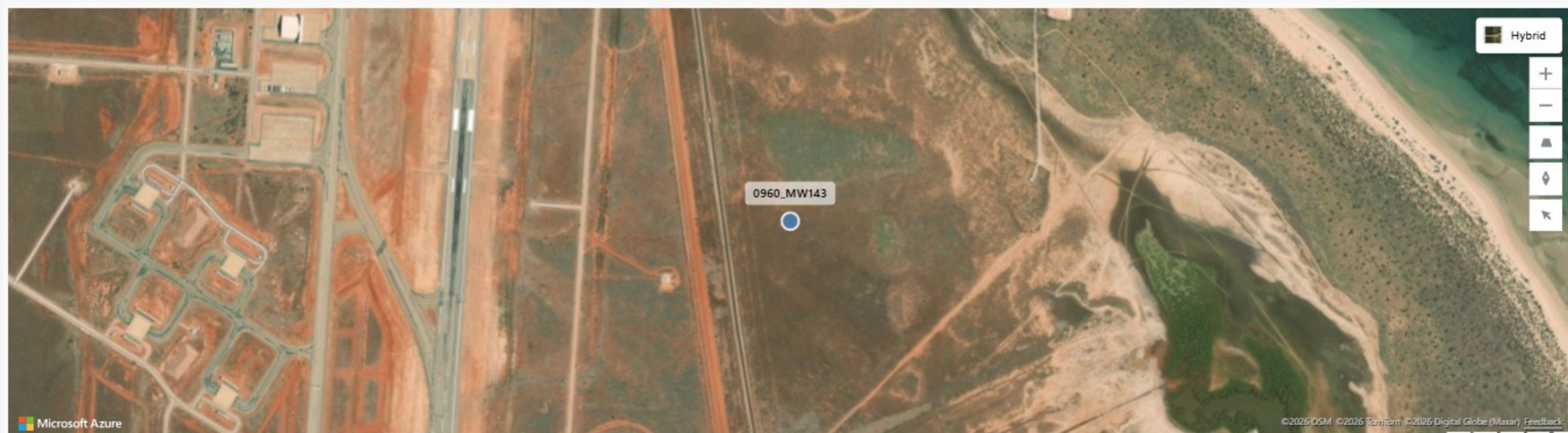
OLS Slope: 0.0000

OLS Intercept: 0.0068

Scale Estimate: 0.0021

P-value (Reg): 0.0292





Statistics

n: 14

Mann Kendall

S: 23

Z: 2.0000

Std Dev of S: 11.0000

Tabulated p-value: 0.1170

Approx p-value: 0.0228

OLS Regression

R-squared: 0.4631

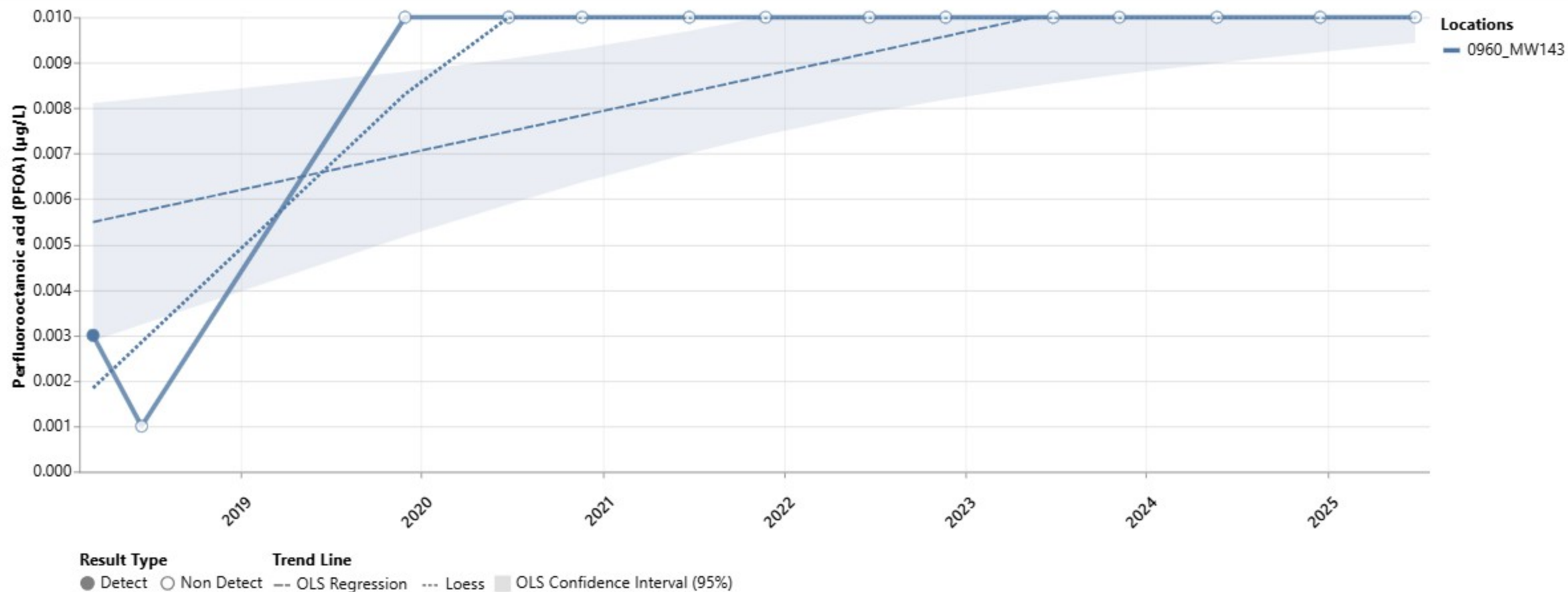
R: 0.6805

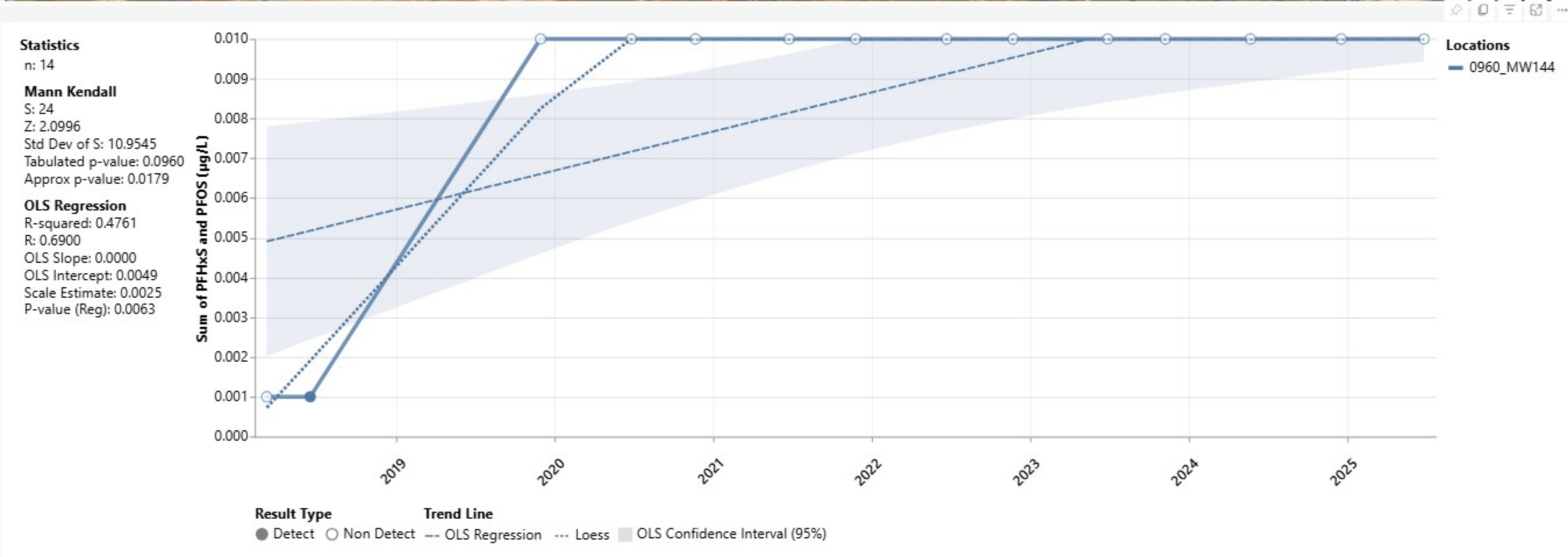
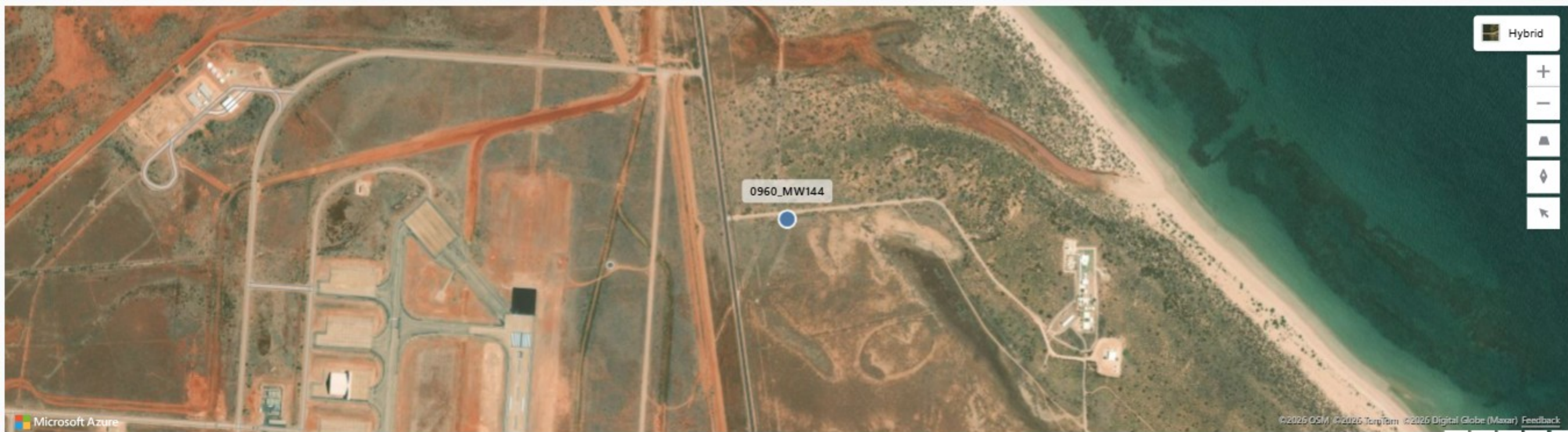
OLS Slope: 0.0000

OLS Intercept: 0.0055

Scale Estimate: 0.0022

P-value (Reg): 0.0074







Statistics

n: 14

Mann Kendall

S: 23

Z: 2.0000

Std Dev of S: 11.0000

Tabulated p-value: 0.1170

Approx p-value: 0.0228

OLS Regression

R-squared: 0.3947

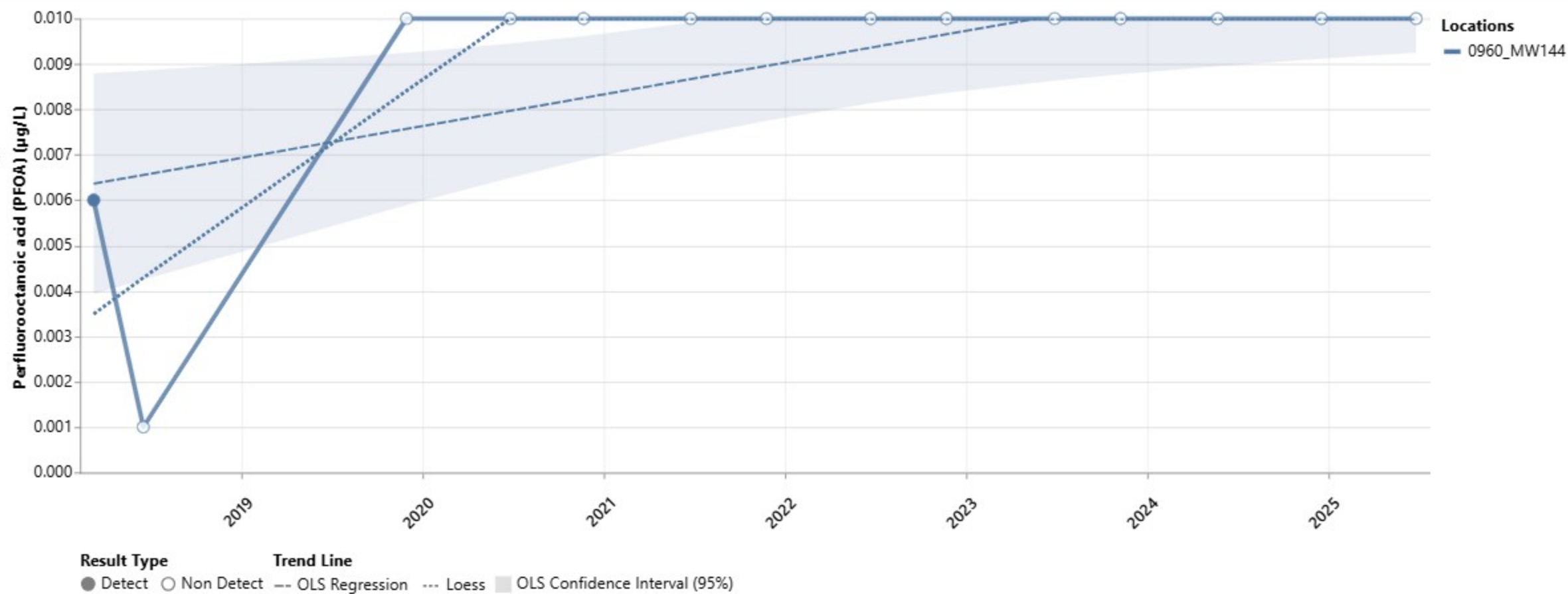
R: 0.6283

OLS Slope: 0.0000

OLS Intercept: 0.0064

Scale Estimate: 0.0021

P-value (Reg): 0.0161





Statistics

n: 14

Mann Kendall

S: 23

Z: 2.0000

Std Dev of S: 11.0000

Tabulated p-value: 0.1170

Approx p-value: 0.0228

OLS Regression

R-squared: 0.4722

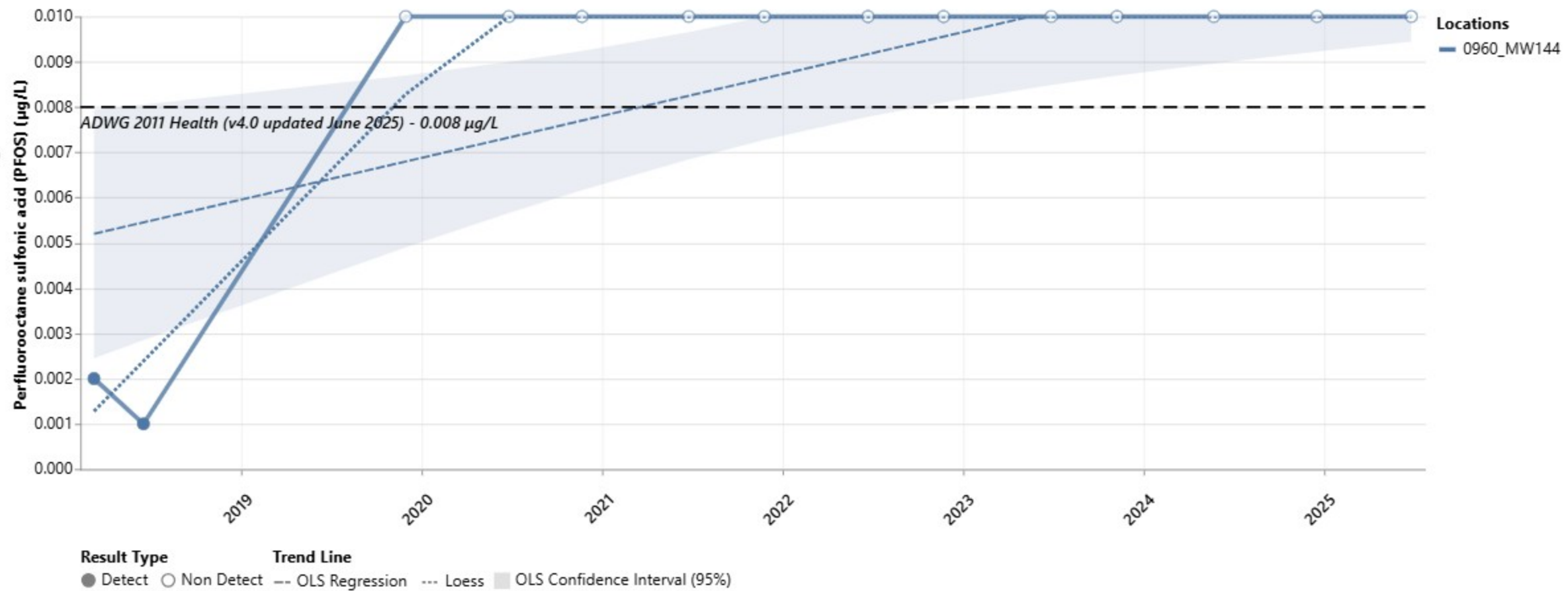
R: 0.6872

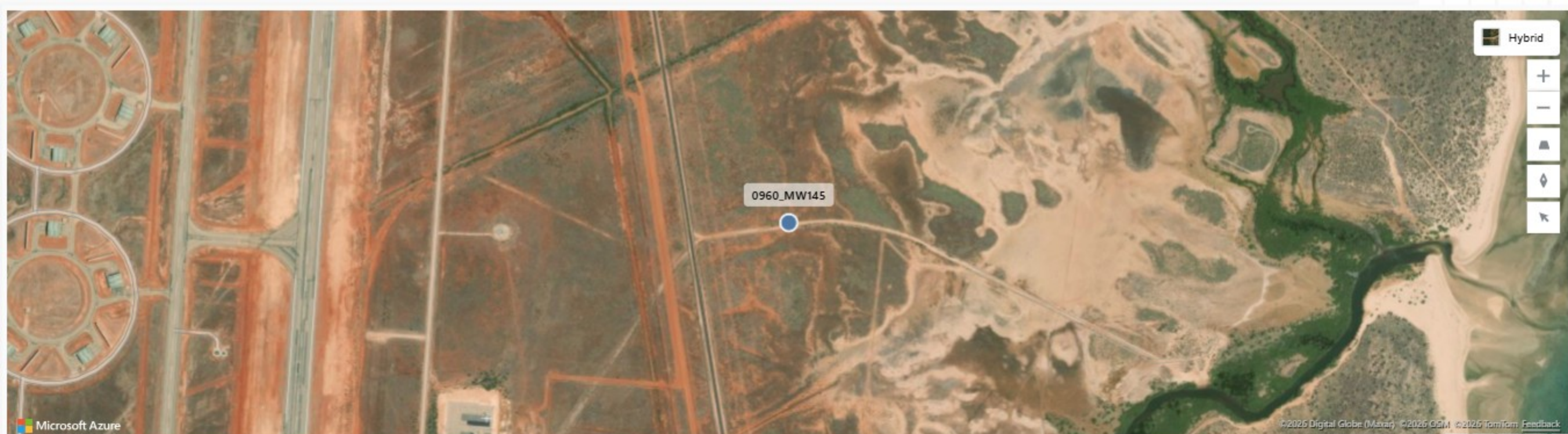
OLS Slope: 0.0000

OLS Intercept: 0.0052

Scale Estimate: 0.0023

P-value (Reg): 0.0066





Statistics

n: 14

Mann Kendall

S: 25

Z: 2.1818

Std Dev of S: 11.0000

Tabulated p-value: 0.0960

Approx p-value: 0.0146

OLS Regression

R-squared: 0.4429

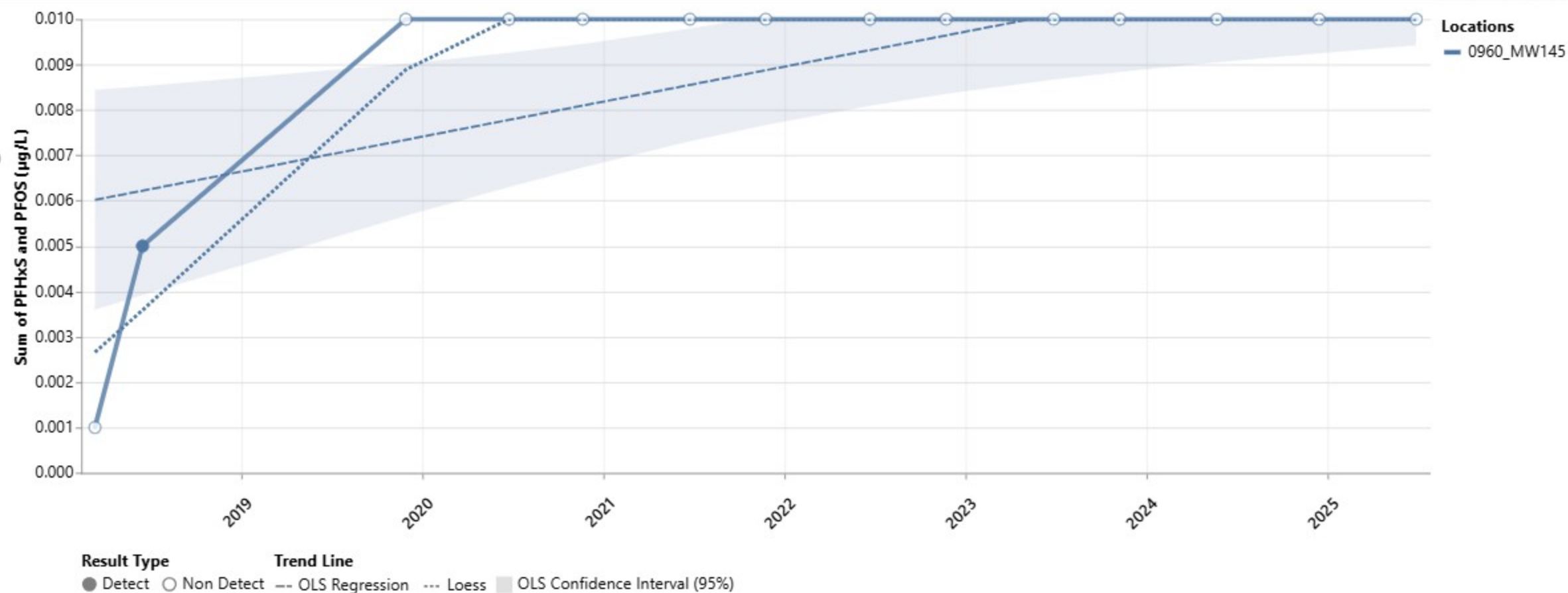
R: 0.6655

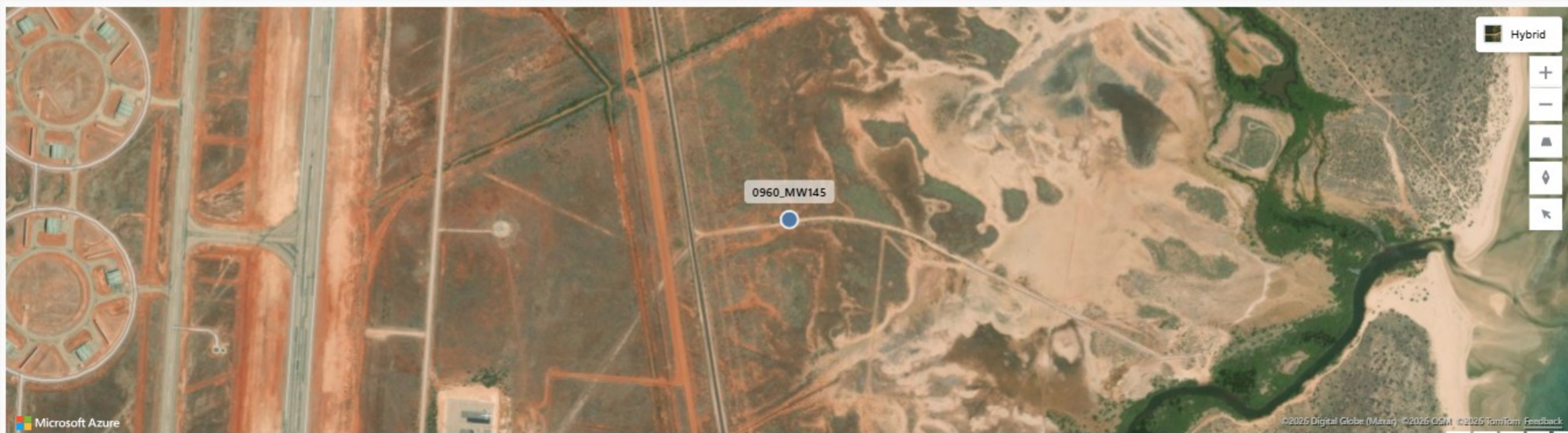
OLS Slope: 0.0000

OLS Intercept: 0.0060

Scale Estimate: 0.0021

P-value (Reg): 0.0094





Statistics

n: 14

Mann Kendall

S: 24

Z: 2.0996

Std Dev of S: 10.9545

Tabulated p-value: 0.0960

Approx p-value: 0.0179

OLS Regression

R-squared: 0.4755

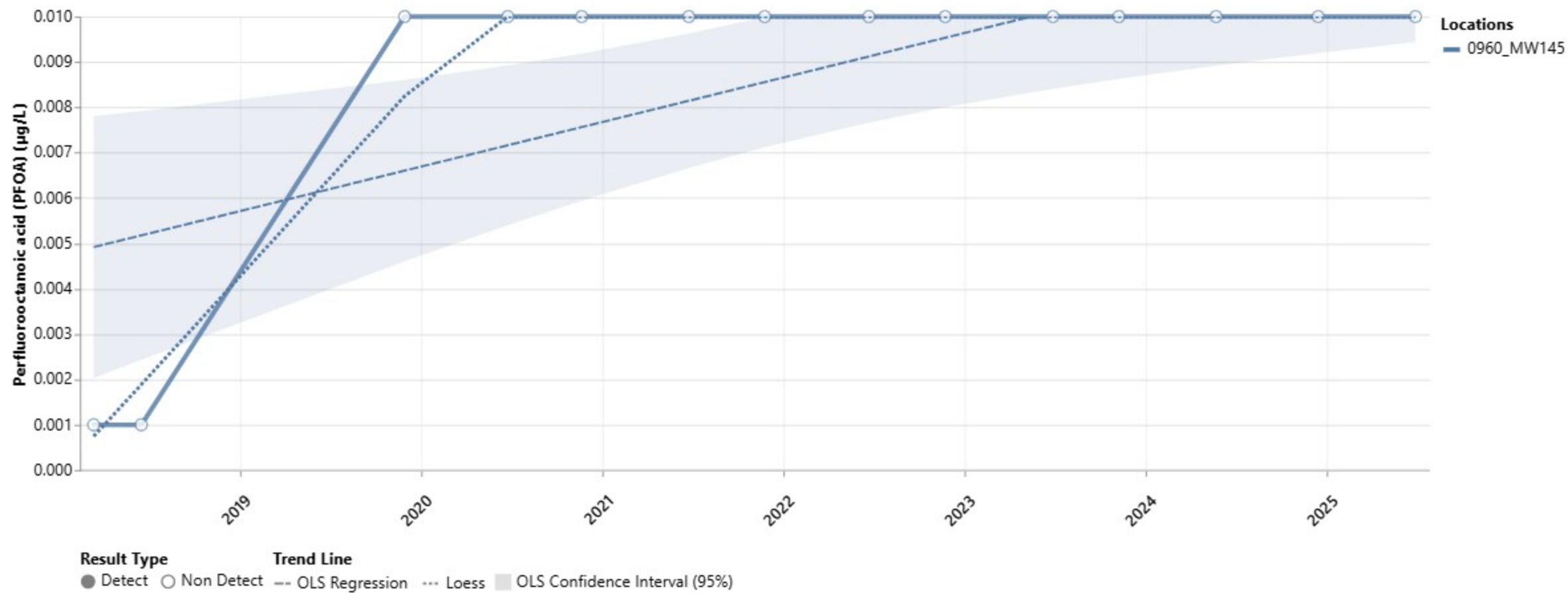
R: 0.6895

OLS Slope: 0.0000

OLS Intercept: 0.0049

Scale Estimate: 0.0025

P-value (Reg): 0.0064





Statistics

n: 14

Mann Kendall

S: 25

Z: 2.1818

Std Dev of S: 11.0000

Tabulated p-value: 0.0960

Approx p-value: 0.0146

OLS Regression

R-squared: 0.4660

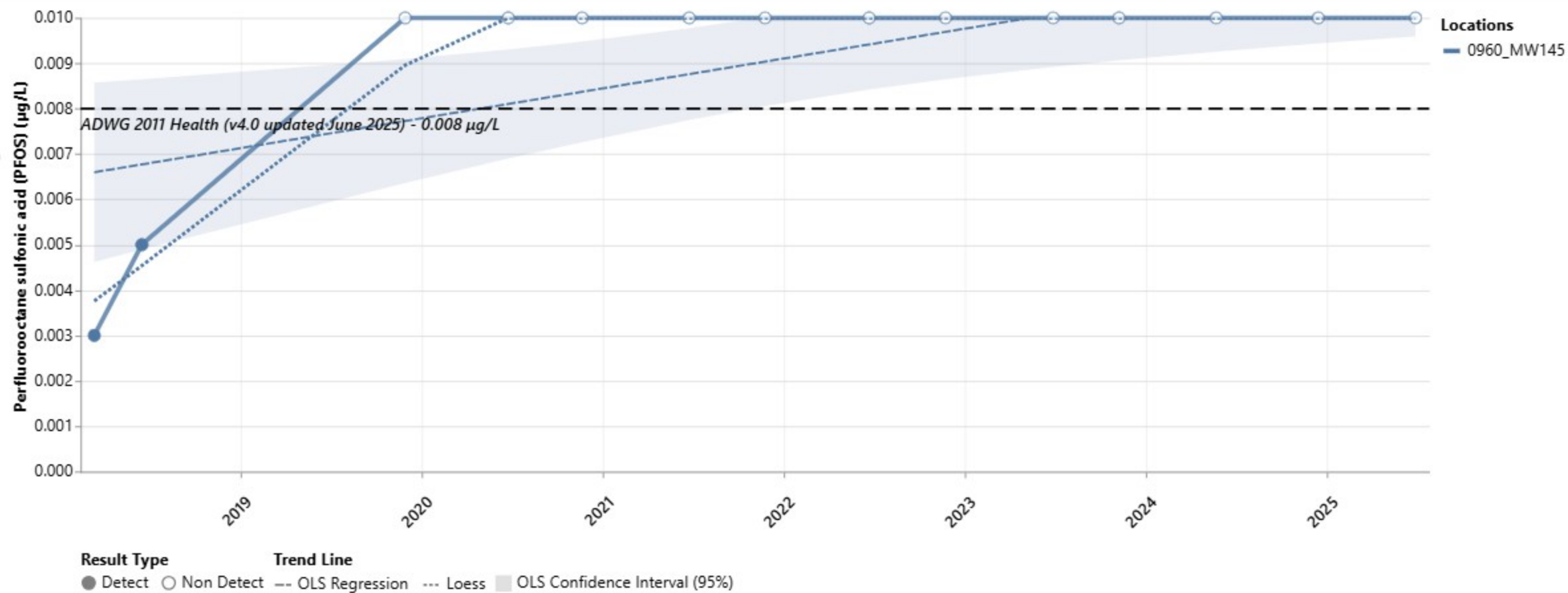
R: 0.6826

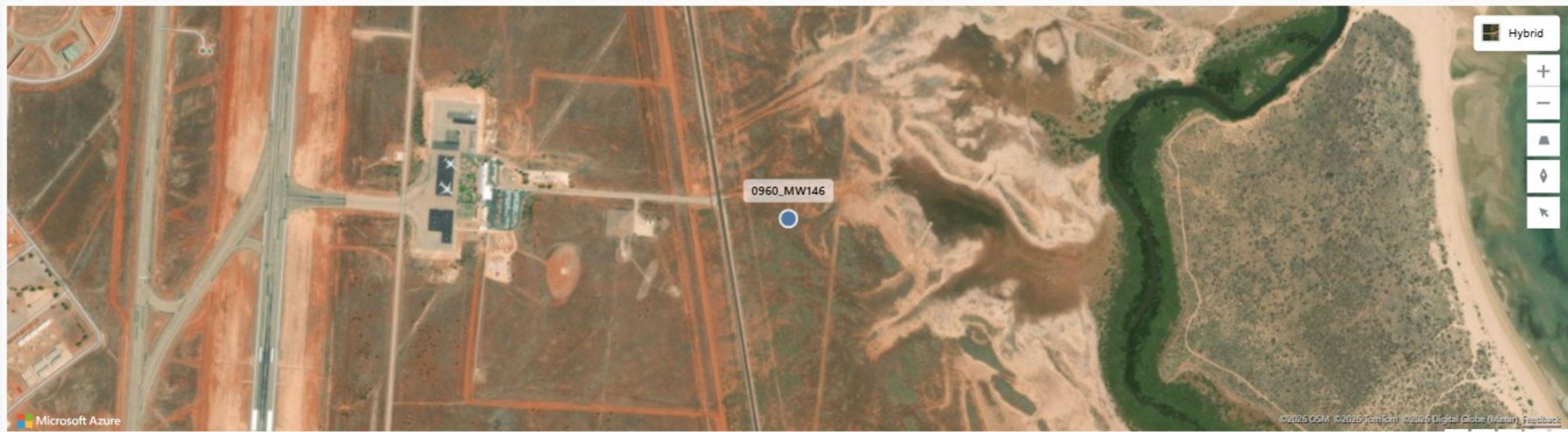
OLS Slope: 0.0000

OLS Intercept: 0.0066

Scale Estimate: 0.0017

P-value (Reg): 0.0071





Statistics

n: 14

Mann Kendall

S: 25

Z: 2.1818

Std Dev of S: 11.0000

Tabulated p-value: 0.0960

Approx p-value: 0.0146

OLS Regression

R-squared: 0.4671

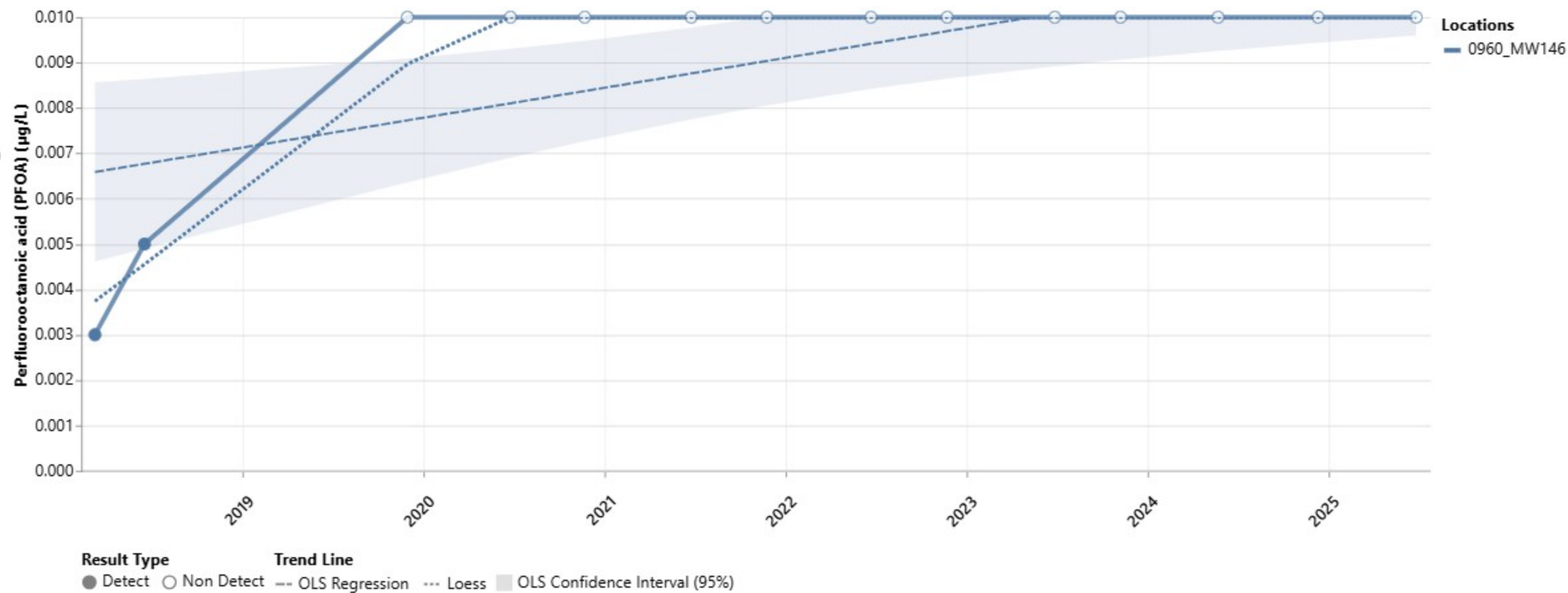
R: 0.6834

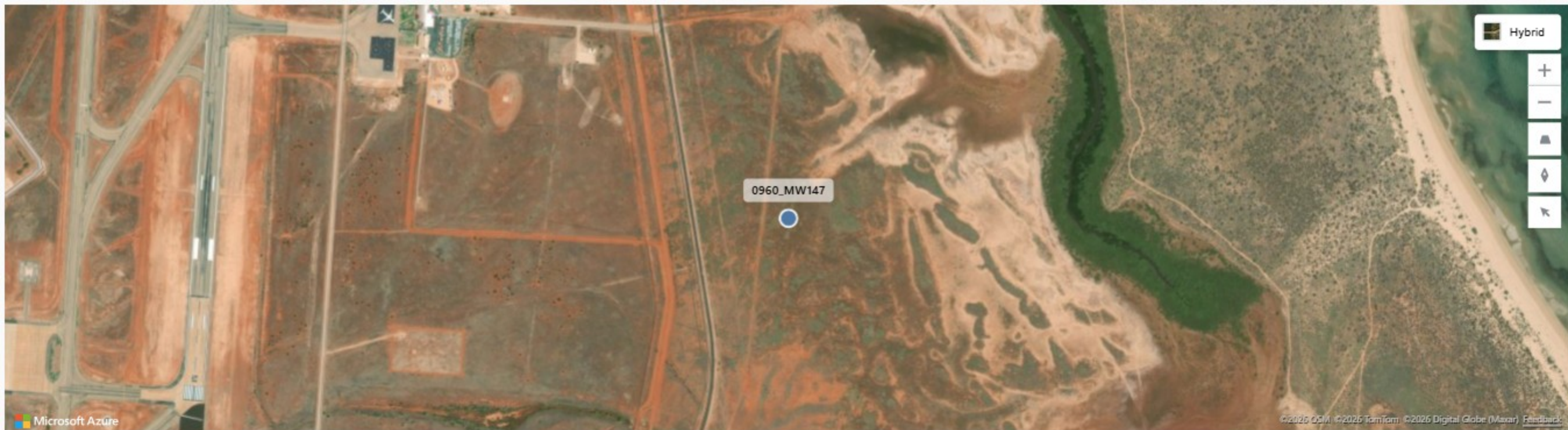
OLS Slope: 0.0000

OLS Intercept: 0.0066

Scale Estimate: 0.0017

P-value (Reg): 0.0070





Statistics

n: 14

Mann Kendall

S: 25

Z: 2.1818

Std Dev of S: 11.0000

Tabulated p-value: 0.0960

Approx p-value: 0.0146

OLS Regression

R-squared: 0.3821

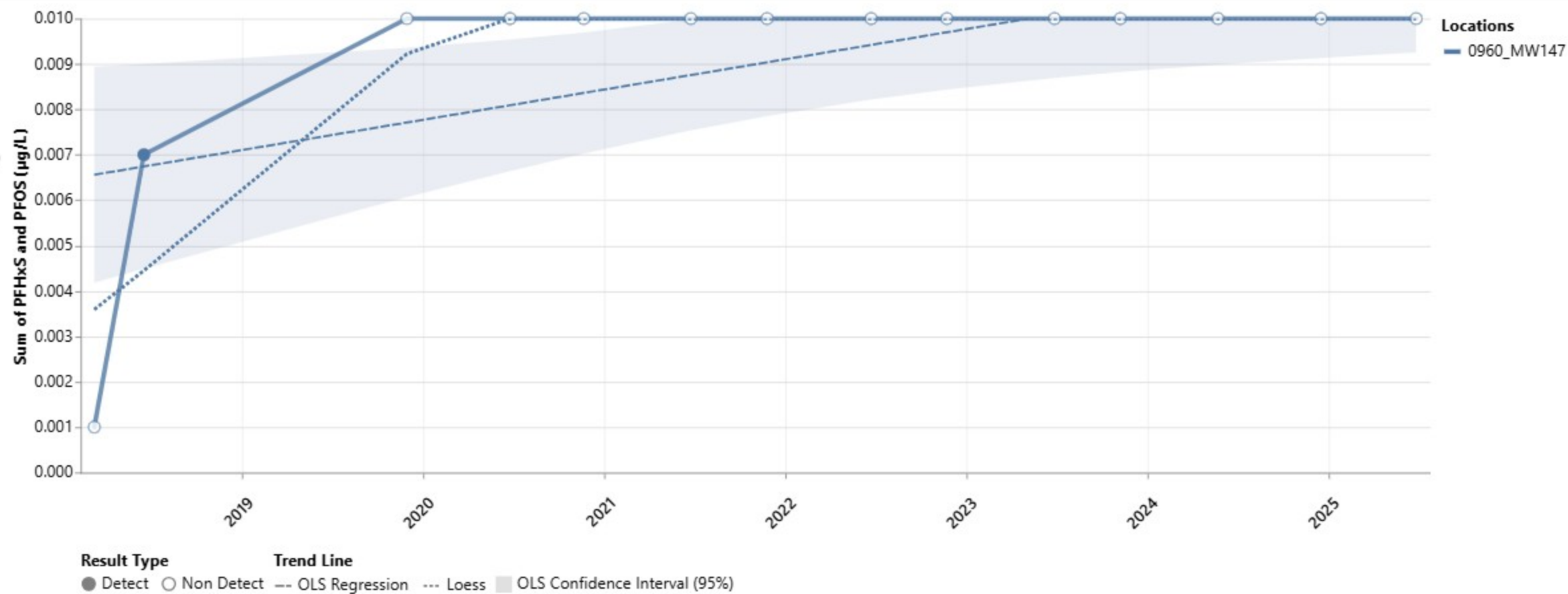
R: 0.6182

OLS Slope: 0.0000

OLS Intercept: 0.0066

Scale Estimate: 0.0020

P-value (Reg): 0.0185





Statistics

n: 14

Mann Kendall

S: 25

Z: 2.1818

Std Dev of S: 11.0000

Tabulated p-value: 0.0960

Approx p-value: 0.0146

OLS Regression

R-squared: 0.4558

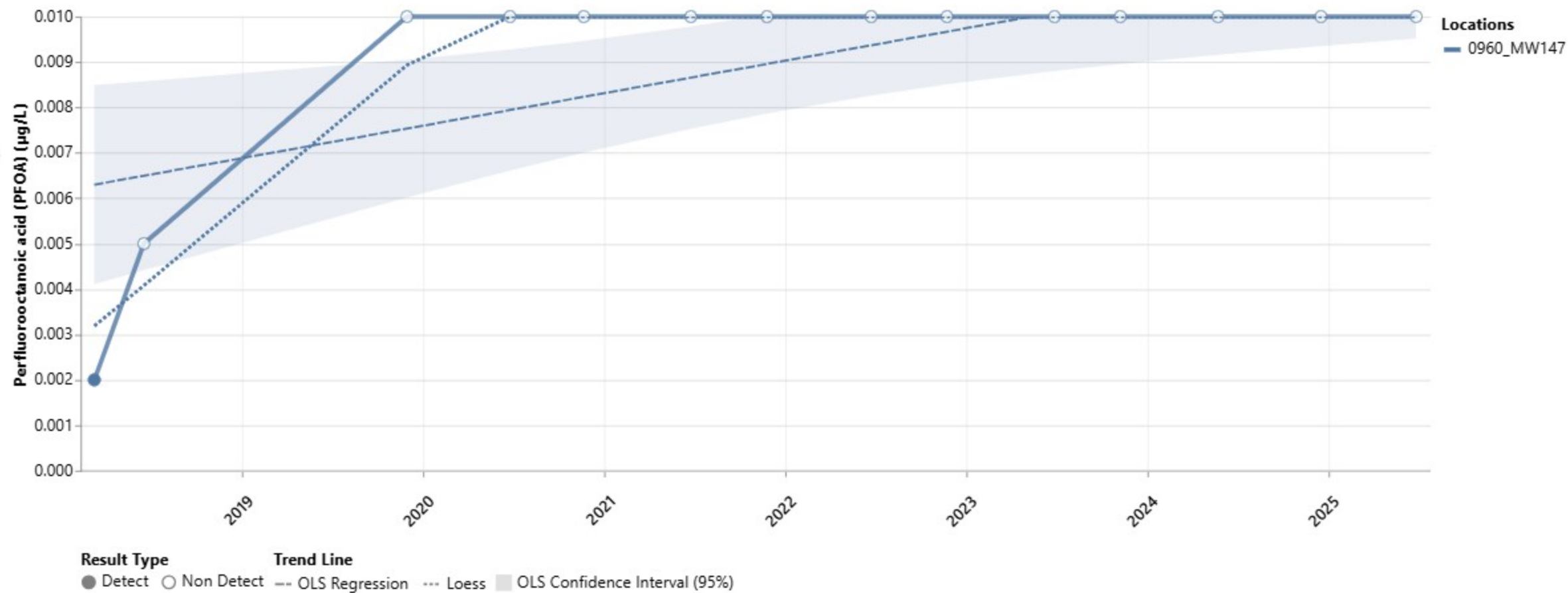
R: 0.6751

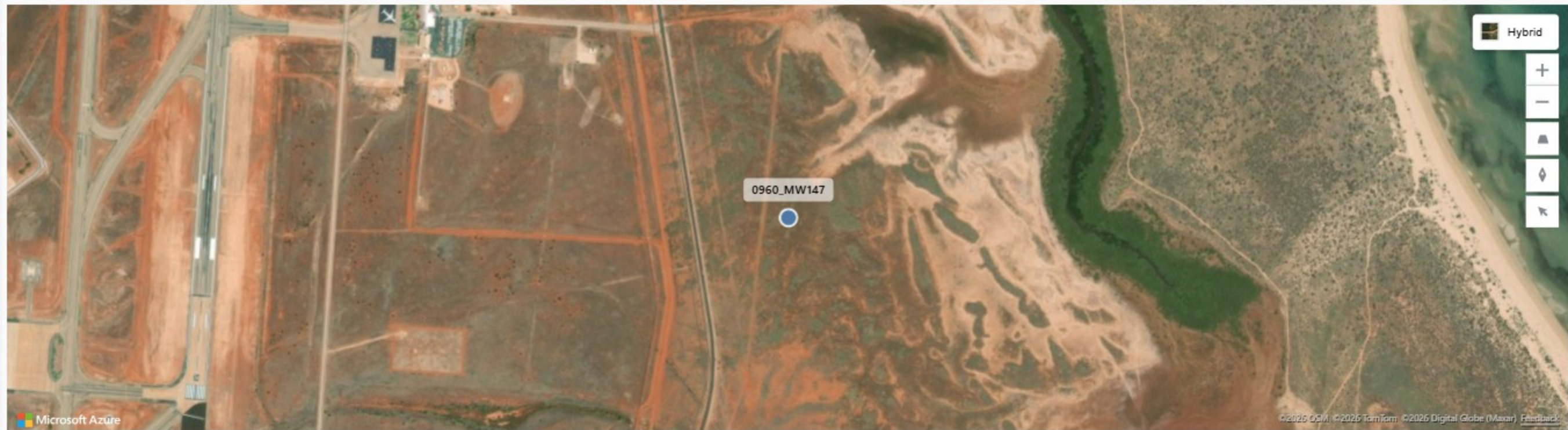
OLS Slope: 0.0000

OLS Intercept: 0.0063

Scale Estimate: 0.0019

P-value (Reg): 0.0081





Statistics

n: 14

Mann Kendall

S: 25

Z: 2.1818

Std Dev of S: 11.0000

Tabulated p-value: 0.0960

Approx p-value: 0.0146

OLS Regression

R-squared: 0.4558

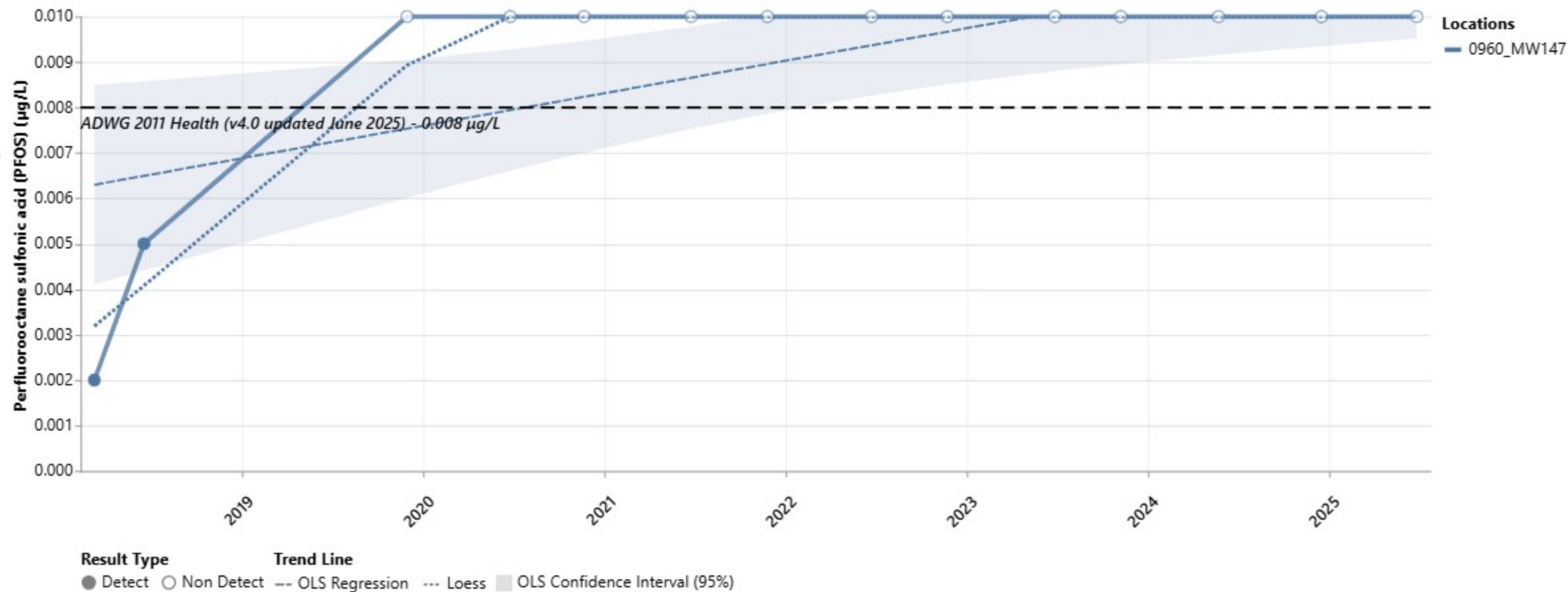
R: 0.6751

OLS Slope: 0.0000

OLS Intercept: 0.0063

Scale Estimate: 0.0019

P-value (Reg): 0.0081



Receptor – Wapet Creek



Statistics

n: 13

Mann Kendall

S: -32

Z: -1.9873

Std Dev of S: 15.5991

Tabulated p-value: 0.0290

Approx p-value: 0.0234

OLS Regression

R-squared: 0.3563

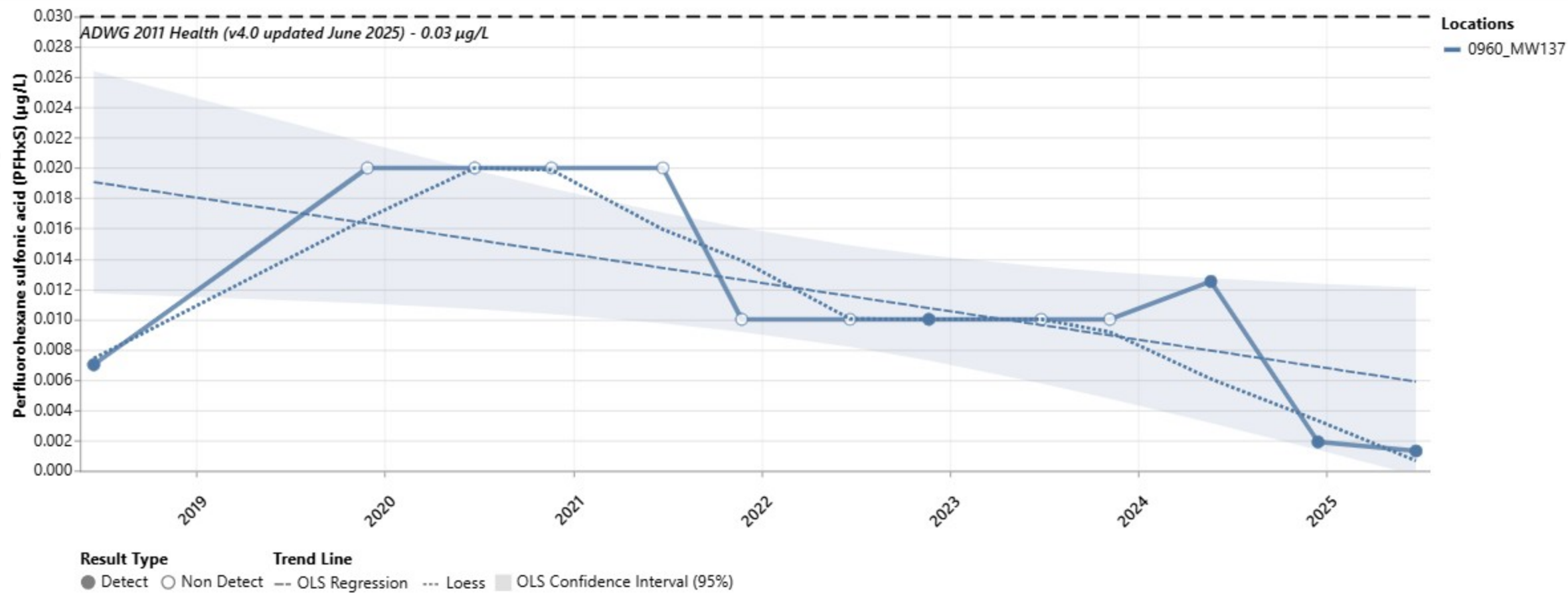
R: -0.5969

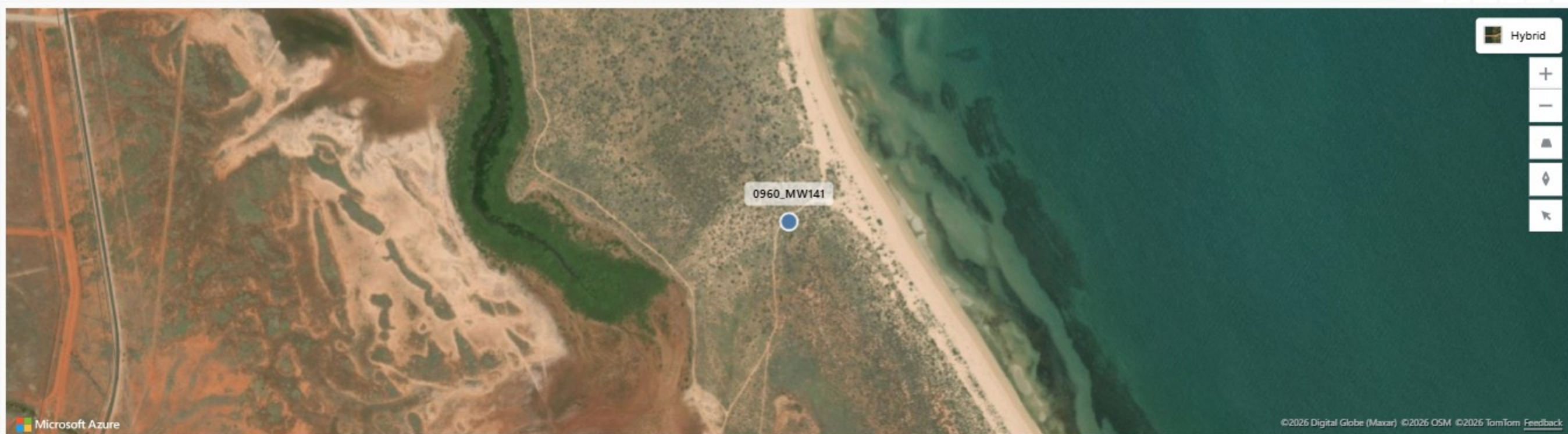
OLS Slope: 0.0000

OLS Intercept: 0.0191

Scale Estimate: 0.0055

P-value (Reg): 0.0313





Statistics

n: 14

Mann Kendall

S: -37

Z: -2.0569

Std Dev of S: 17.5024

Tabulated p-value: 0.0240

Approx p-value: 0.0198

OLS Regression

R-squared: 0.0844

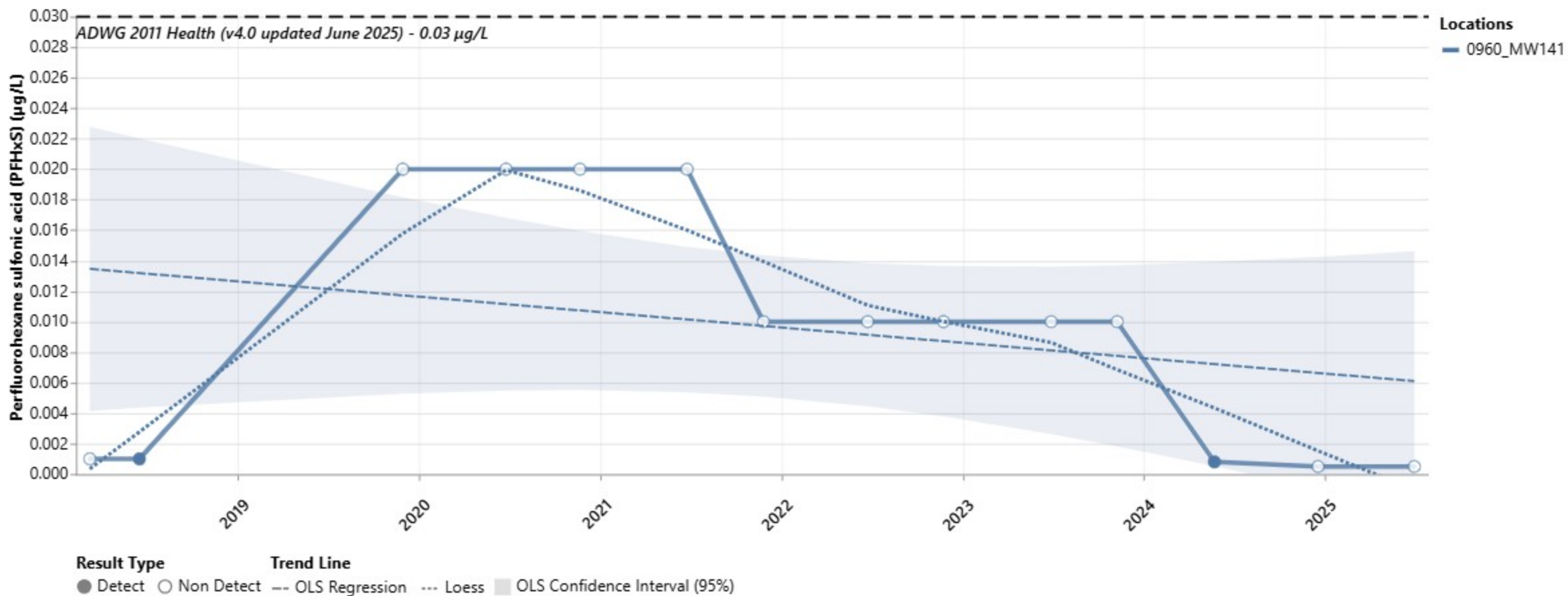
R: -0.2905

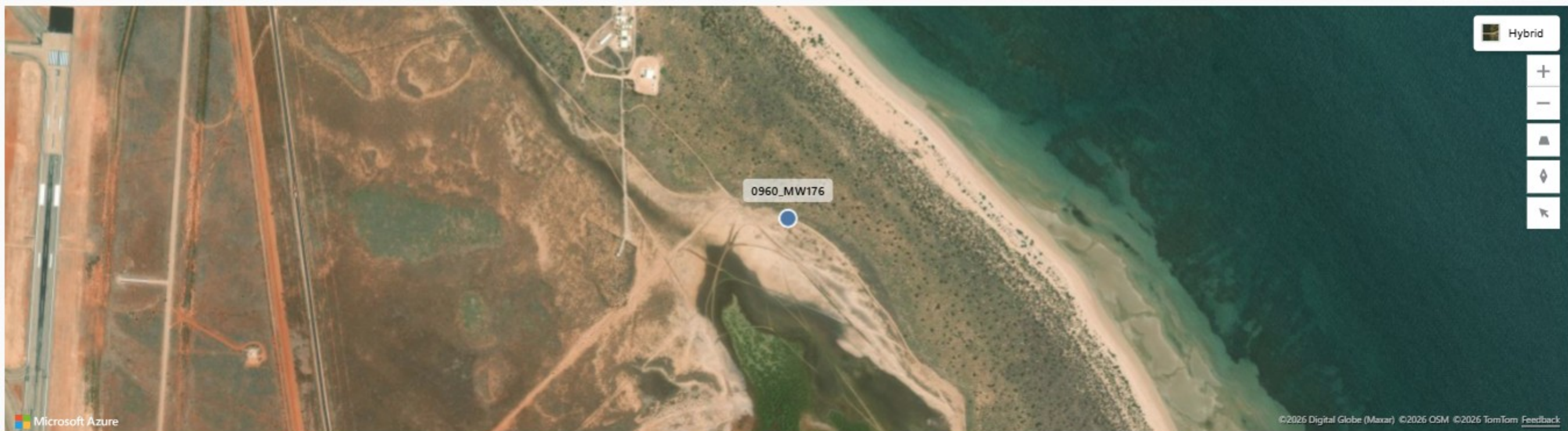
OLS Slope: 0.0000

OLS Intercept: 0.0135

Scale Estimate: 0.0079

P-value (Reg): 0.3136





Statistics

n: 13

Mann Kendall

S: -42

Z: -2.6283

Std Dev of S: 15.5991

Tabulated p-value: 0.0050

Approx p-value: 0.0043

OLS Regression

R-squared: 0.2871

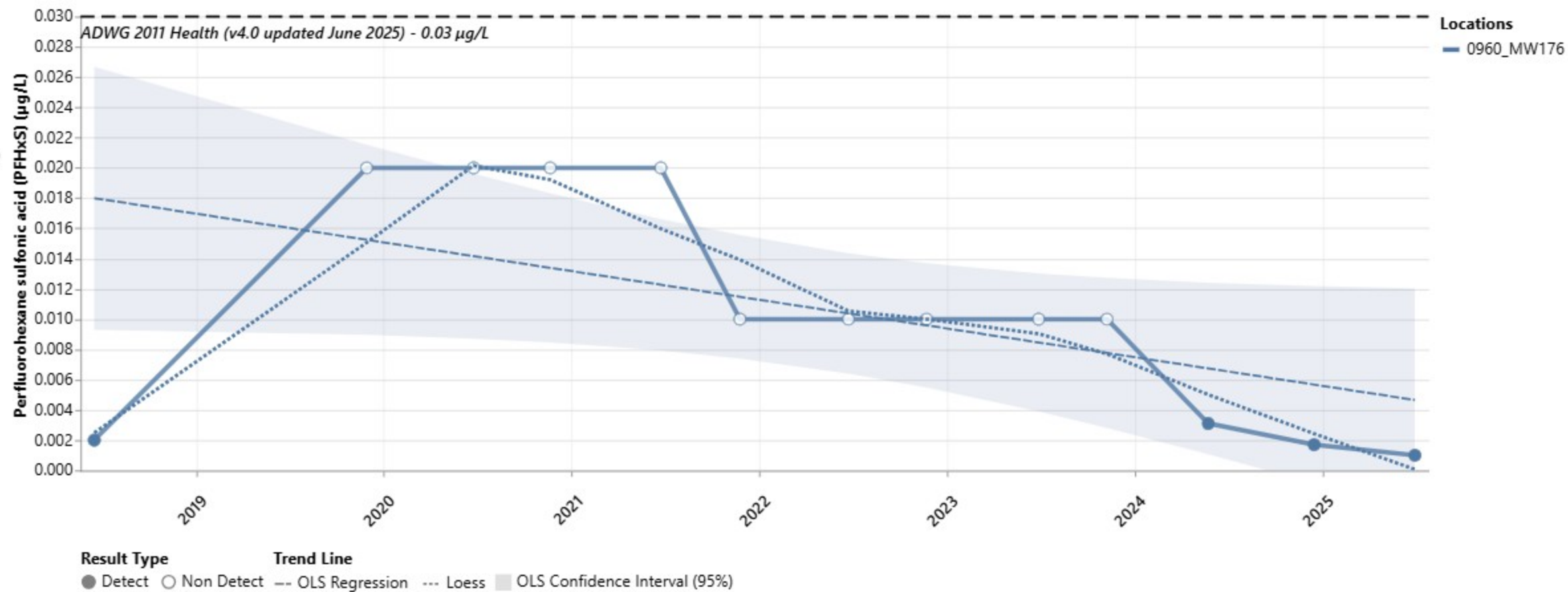
R: -0.5359

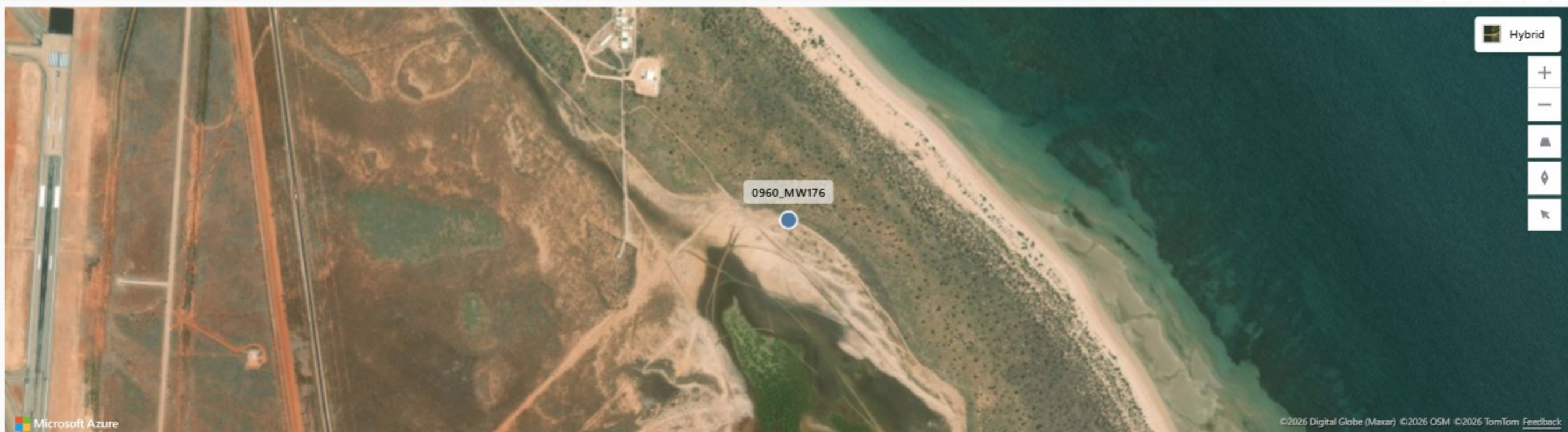
OLS Slope: 0.0000

OLS Intercept: 0.0180

Scale Estimate: 0.0065

P-value (Reg): 0.0591





Statistics

n: 13

Mann Kendall

S: -24

Z: -1.7304

Std Dev of S: 13.2916

Tabulated p-value: 0.0820

Approx p-value: 0.0418

OLS Regression

R-squared: 0.2434

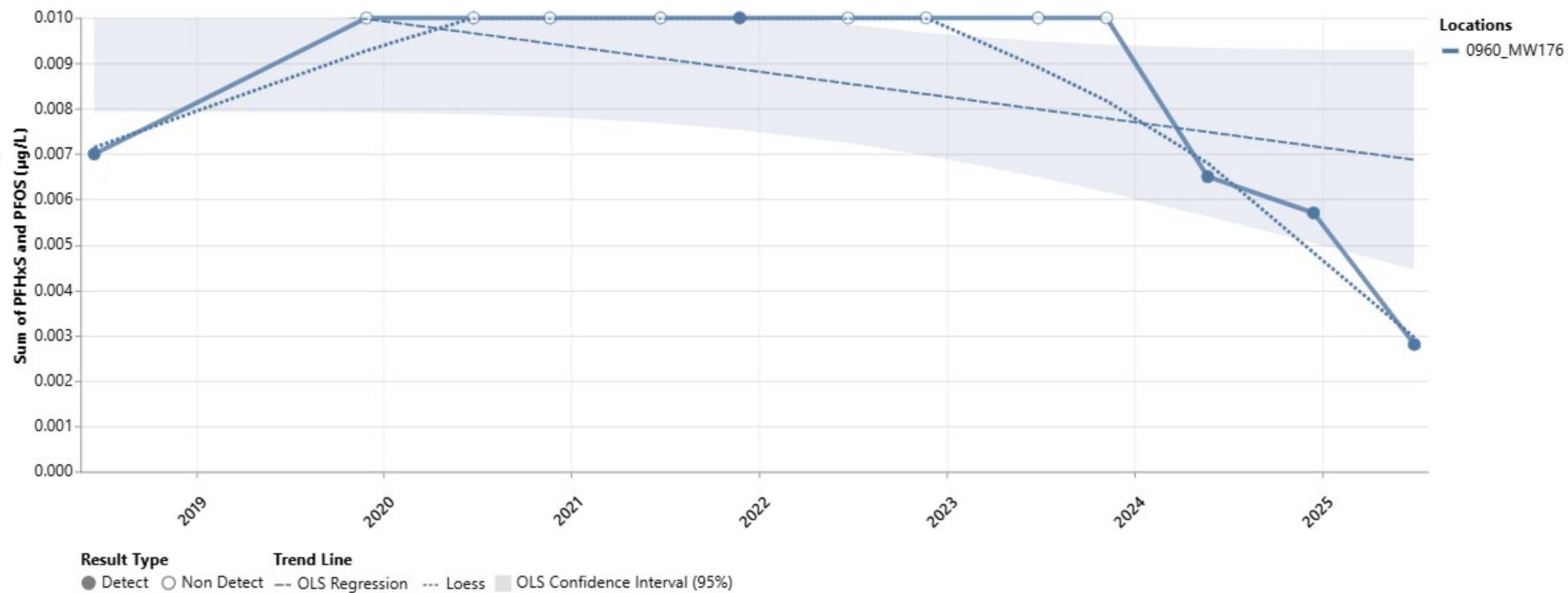
R: -0.4933

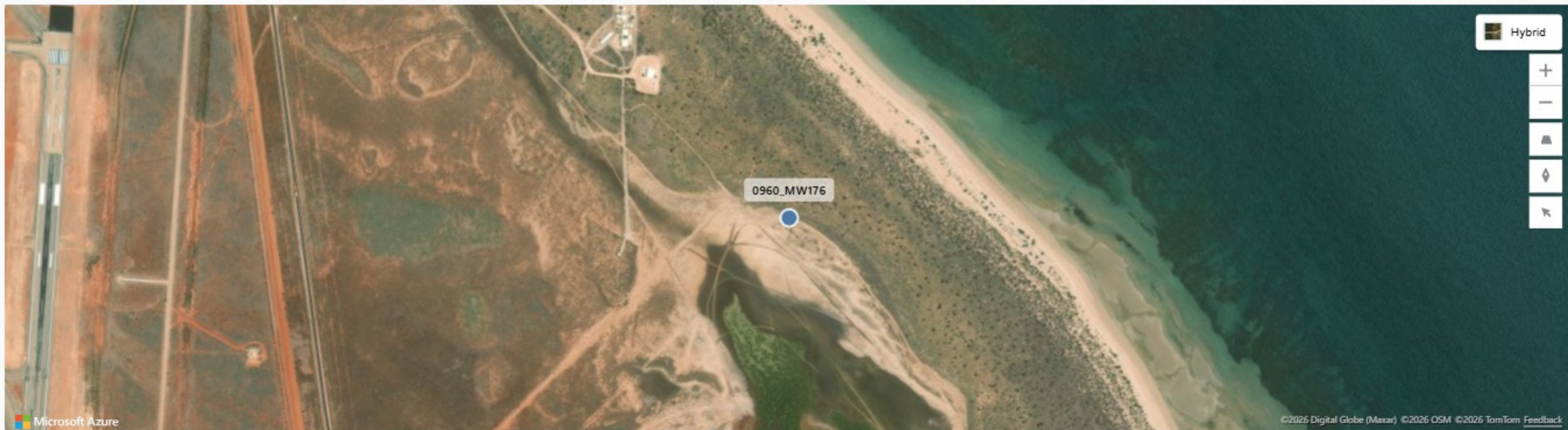
OLS Slope: 0.0000

OLS Intercept: 0.0108

Scale Estimate: 0.0021

P-value (Reg): 0.0867





Statistics

n: 13

Mann Kendall

S: -23

Z: -1.6599

Std Dev of S: 13.2539

Tabulated p-value: 0.0820

Approx p-value: 0.0485

OLS Regression

R-squared: 0.2677

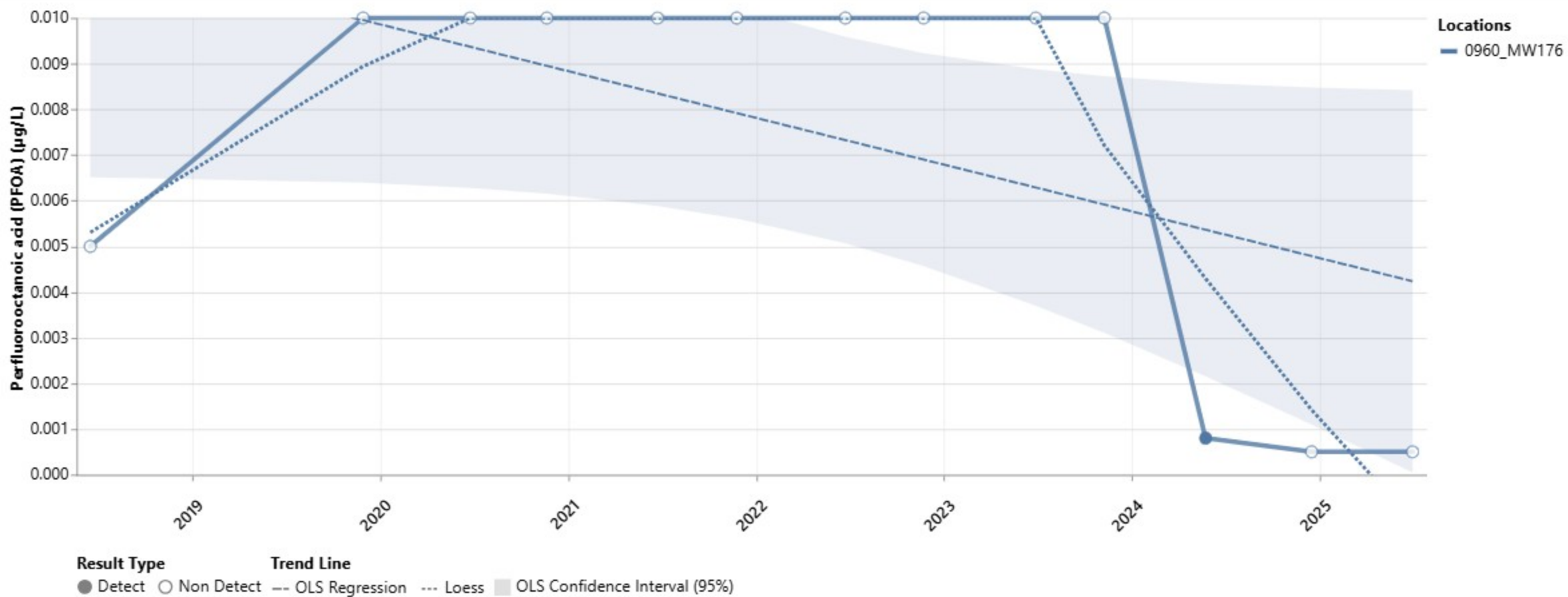
R: -0.5174

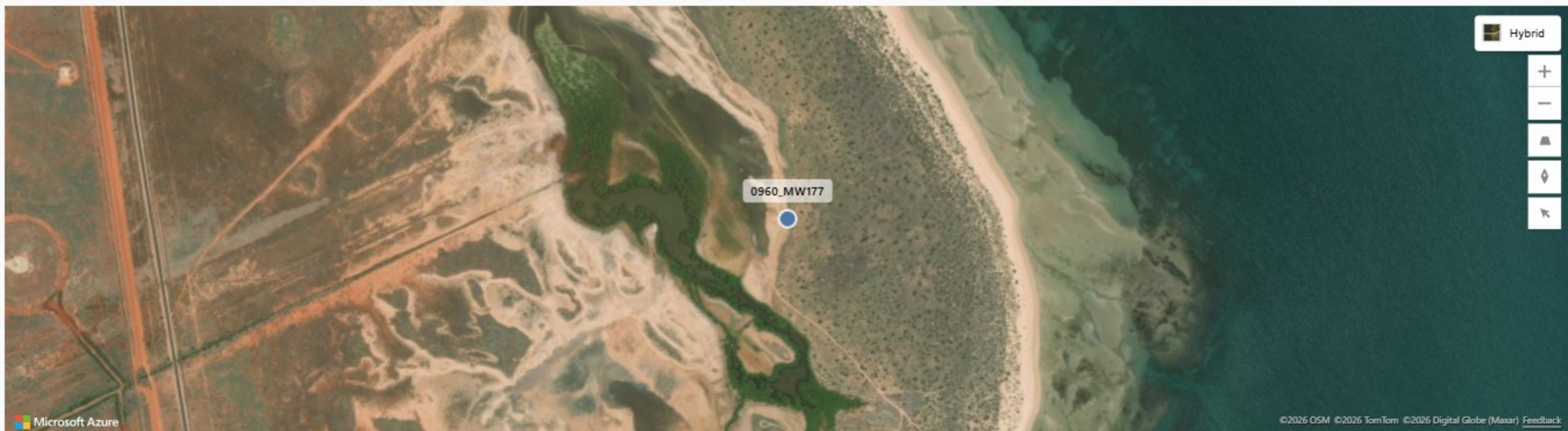
OLS Slope: 0.0000

OLS Intercept: 0.0114

Scale Estimate: 0.0037

P-value (Reg): 0.0702





Statistics

n: 13

Mann Kendall

S: -40

Z: -2.5001

Std Dev of S: 15.5991

Tabulated p-value: 0.0070

Approx p-value: 0.0062

OLS Regression

R-squared: 0.2905

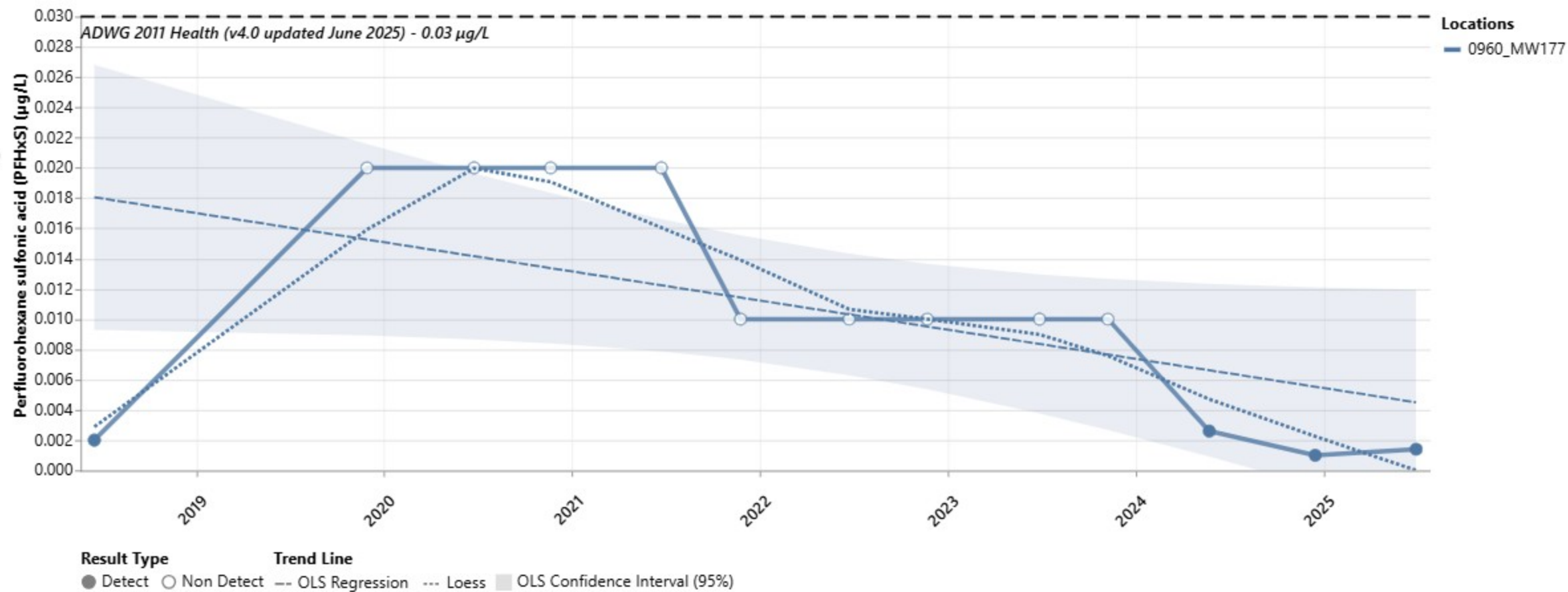
R: -0.5390

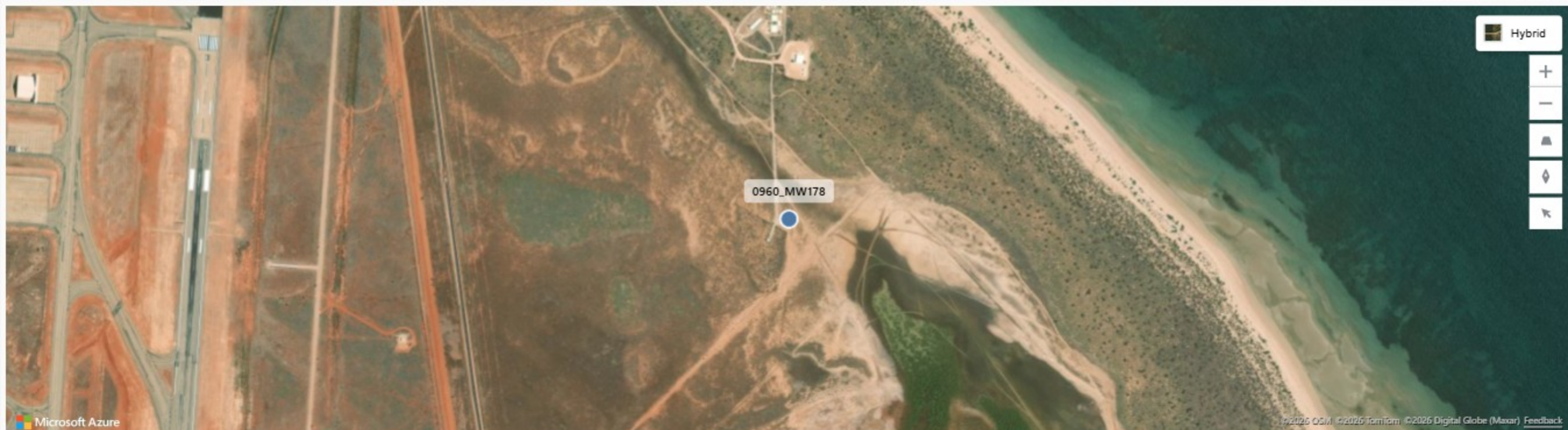
OLS Slope: 0.0000

OLS Intercept: 0.0181

Scale Estimate: 0.0066

P-value (Reg): 0.0573





Statistics

n: 13

Mann Kendall

S: -44

Z: -2.7566

Std Dev of S: 15.5991

Tabulated p-value: 0.0030

Approx p-value: 0.0029

OLS Regression

R-squared: 0.3471

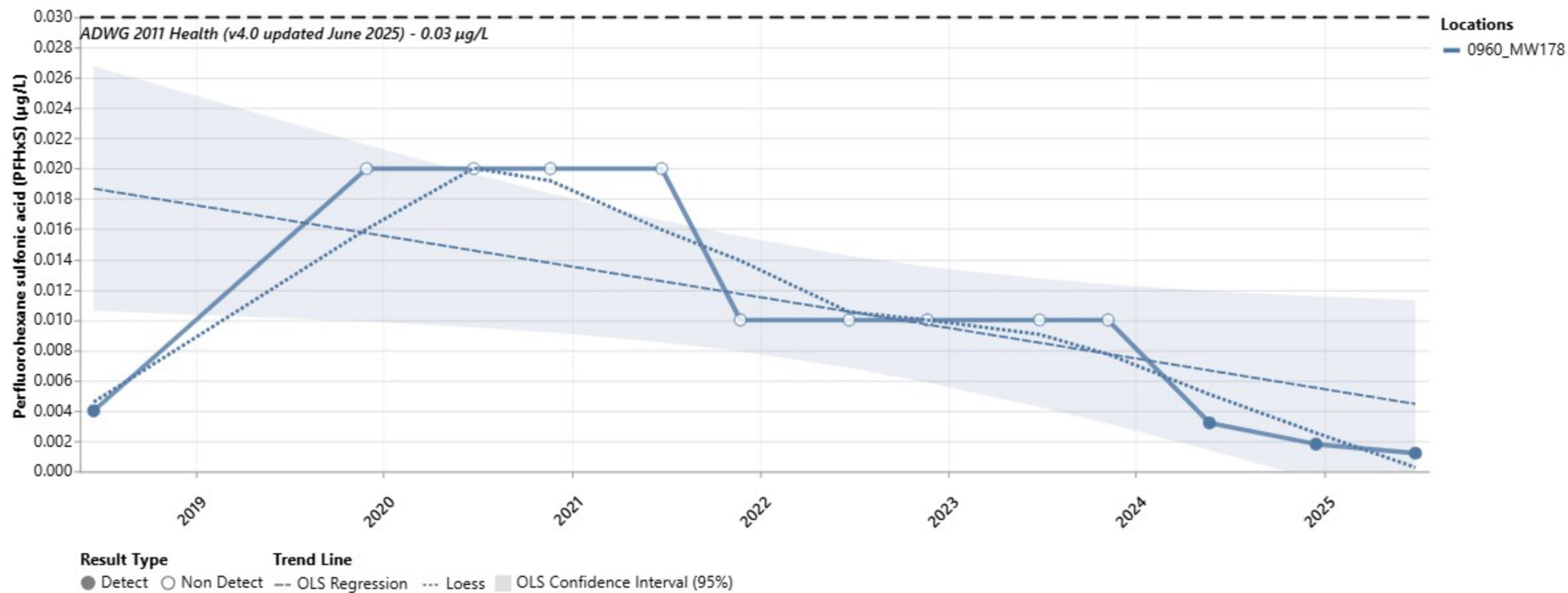
R: -0.5891

OLS Slope: 0.0000

OLS Intercept: 0.0187

Scale Estimate: 0.0061

P-value (Reg): 0.0341





Statistics

n: 13

Mann Kendall

S: -23

Z: -1.6599

Std Dev of S: 13.2539

Tabulated p-value: 0.0820

Approx p-value: 0.0485

OLS Regression

R-squared: 0.2681

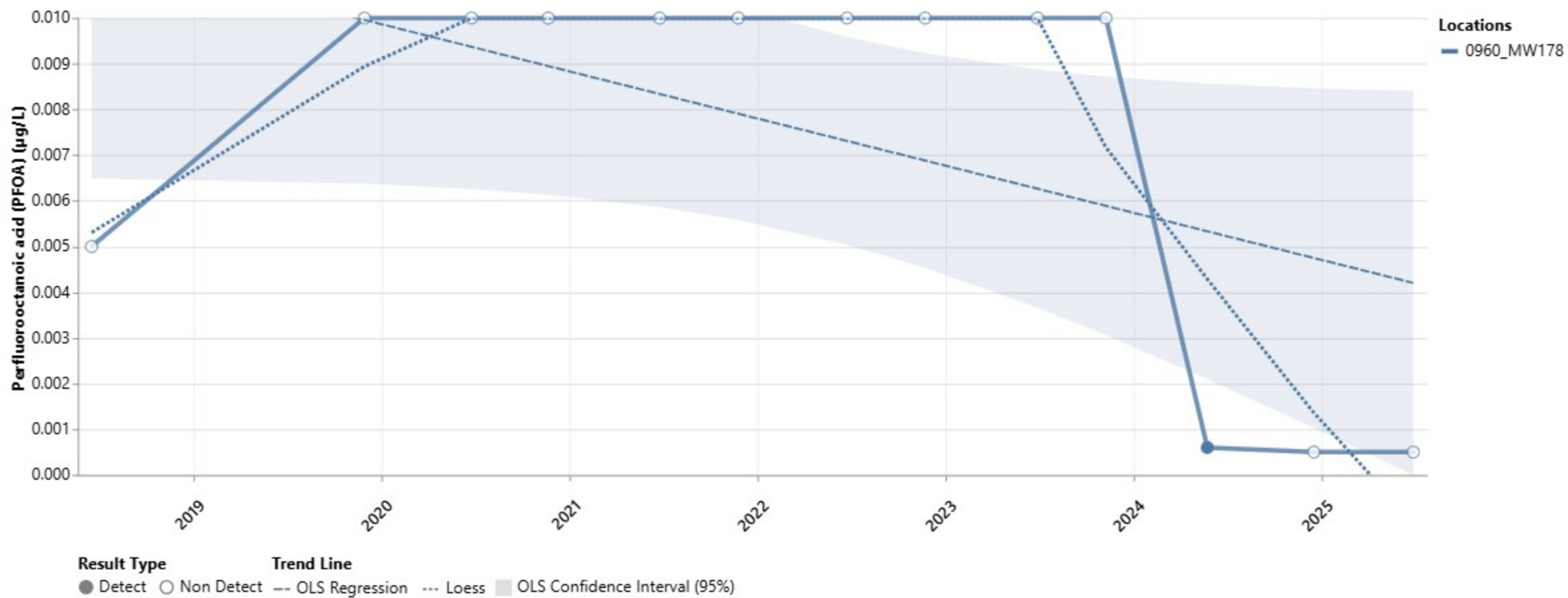
R: -0.5178

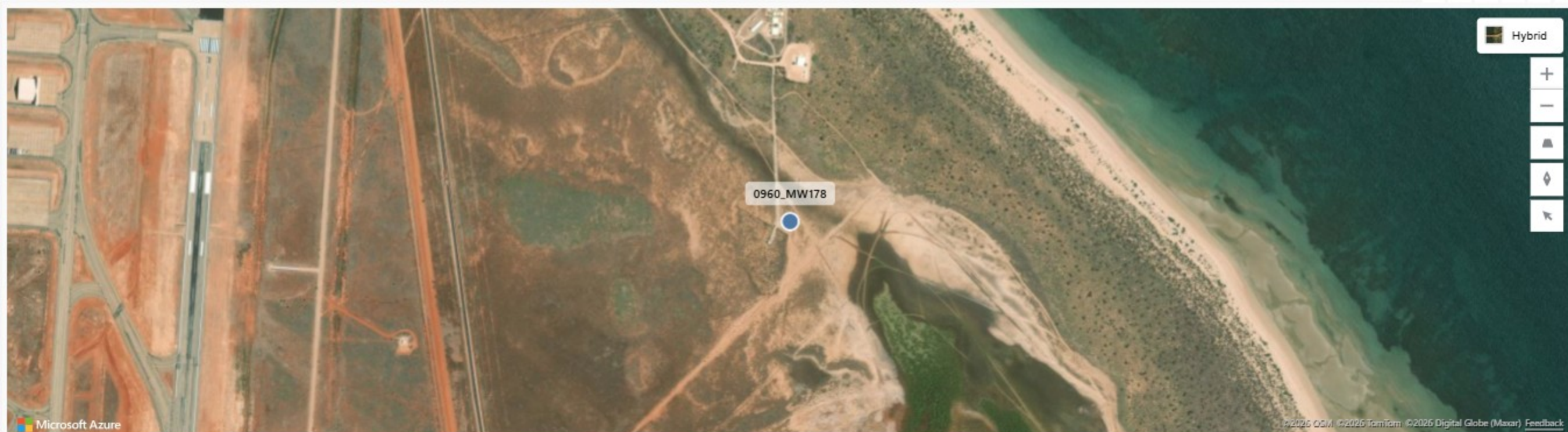
OLS Slope: 0.0000

OLS Intercept: 0.0115

Scale Estimate: 0.0037

P-value (Reg): 0.0699





Statistics

n: 13

Mann Kendall

S: -42

Z: -3.0847

Std Dev of S: 13.2916

Tabulated p-value: 0.0050

Approx p-value: 0.0010

OLS Regression

R-squared: 0.5620

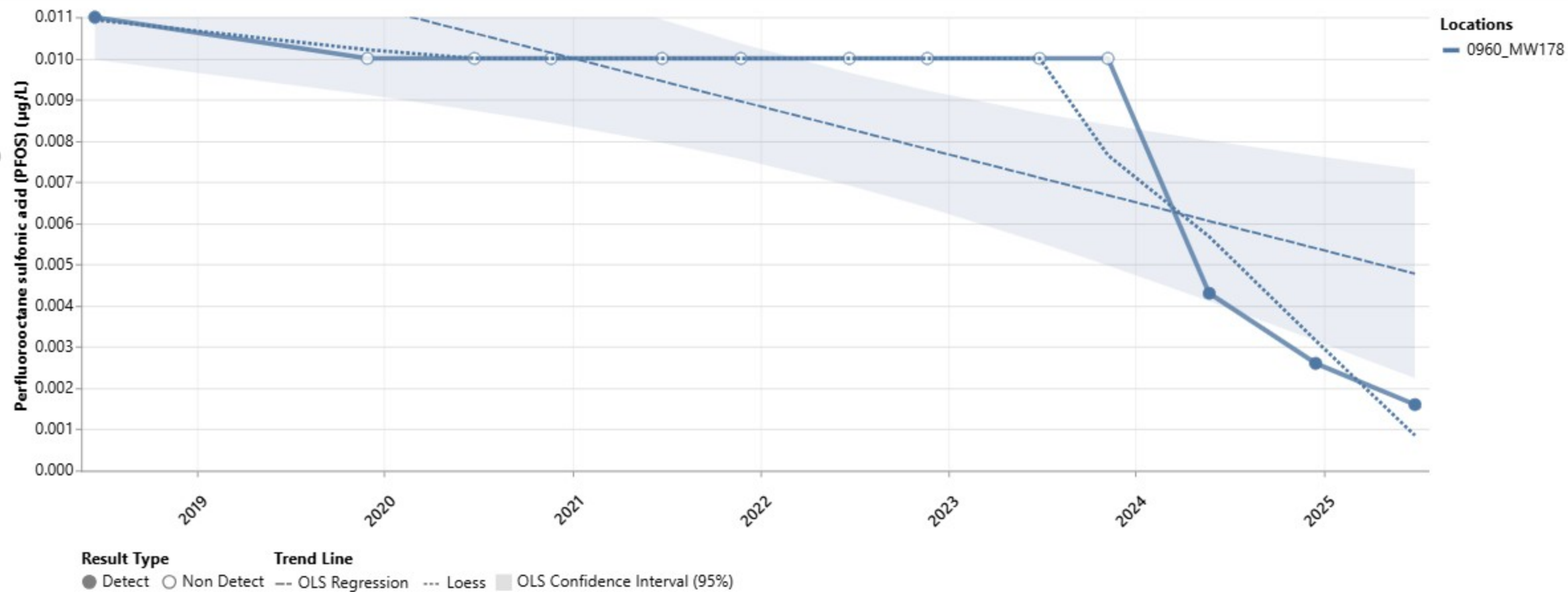
R: -0.7497

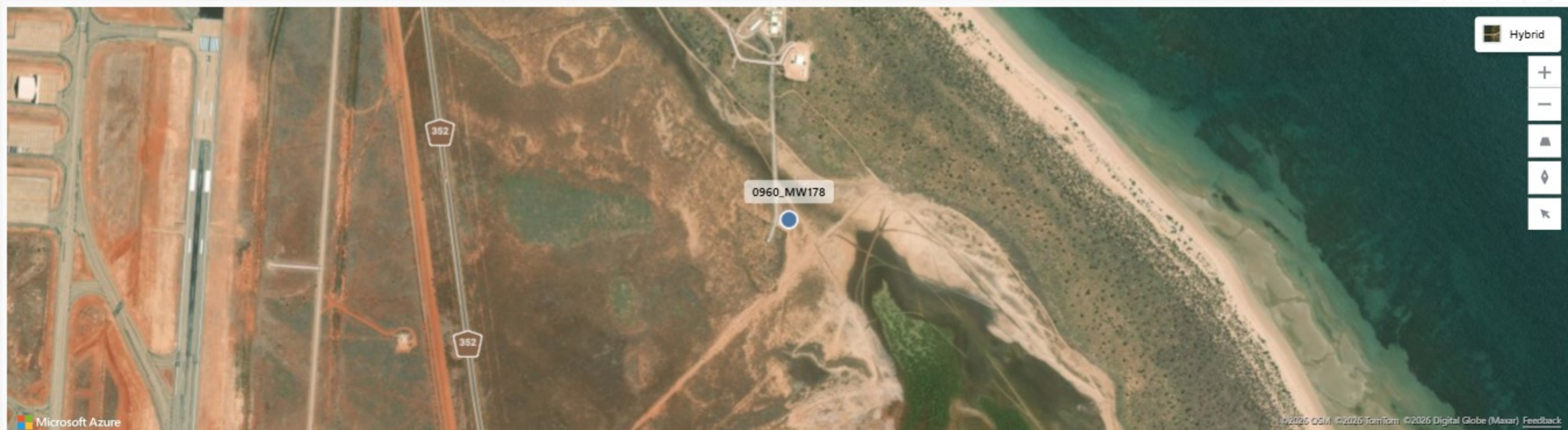
OLS Slope: 0.0000

OLS Intercept: 0.0130

Scale Estimate: 0.0022

P-value (Reg): 0.0032





Statistics

n: 13

Mann Kendall

S: -42

Z: -3.0847

Std Dev of S: 13.2916

Tabulated p-value: 0.0050

Approx p-value: 0.0010

OLS Regression

R-squared: 0.6383

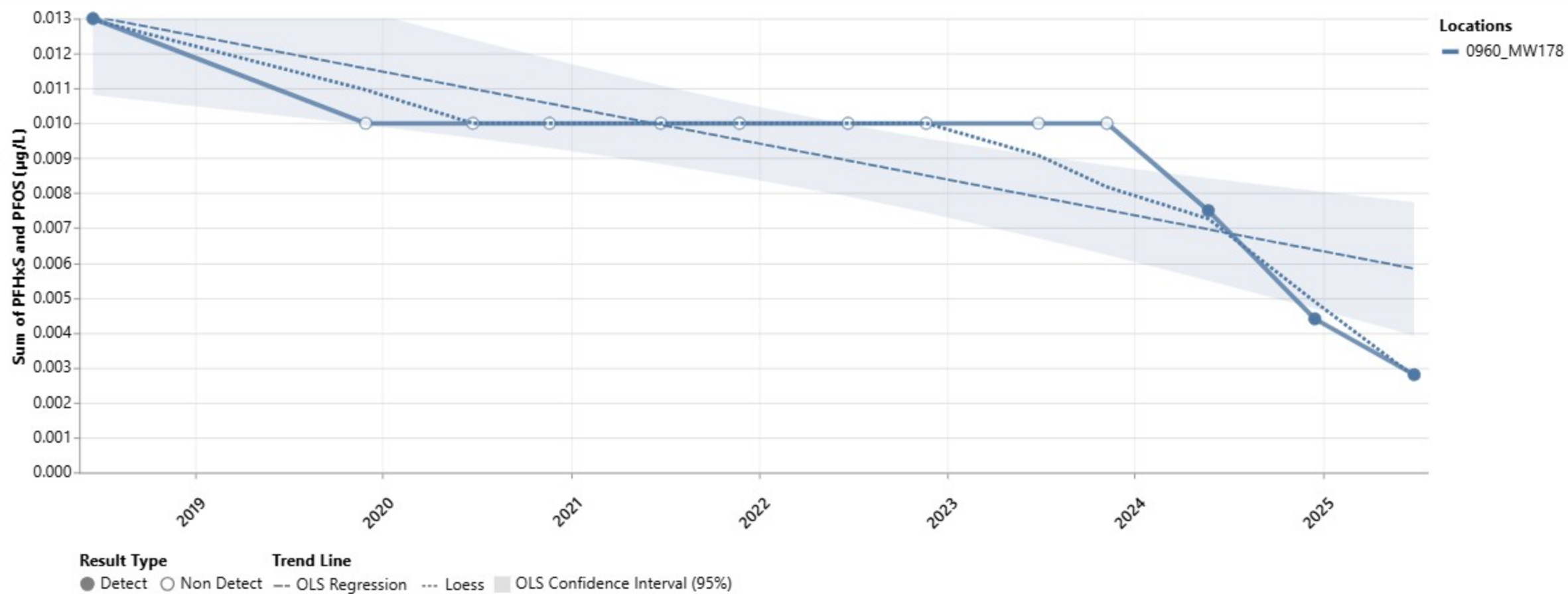
R: -0.7989

OLS Slope: 0.0000

OLS Intercept: 0.0131

Scale Estimate: 0.0017

P-value (Reg): 0.0011





Statistics

n: 13

Mann Kendall

S: -43

Z: -2.6980

Std Dev of S: 15.5671

Tabulated p-value: 0.0030

Approx p-value: 0.0035

OLS Regression

R-squared: 0.5360

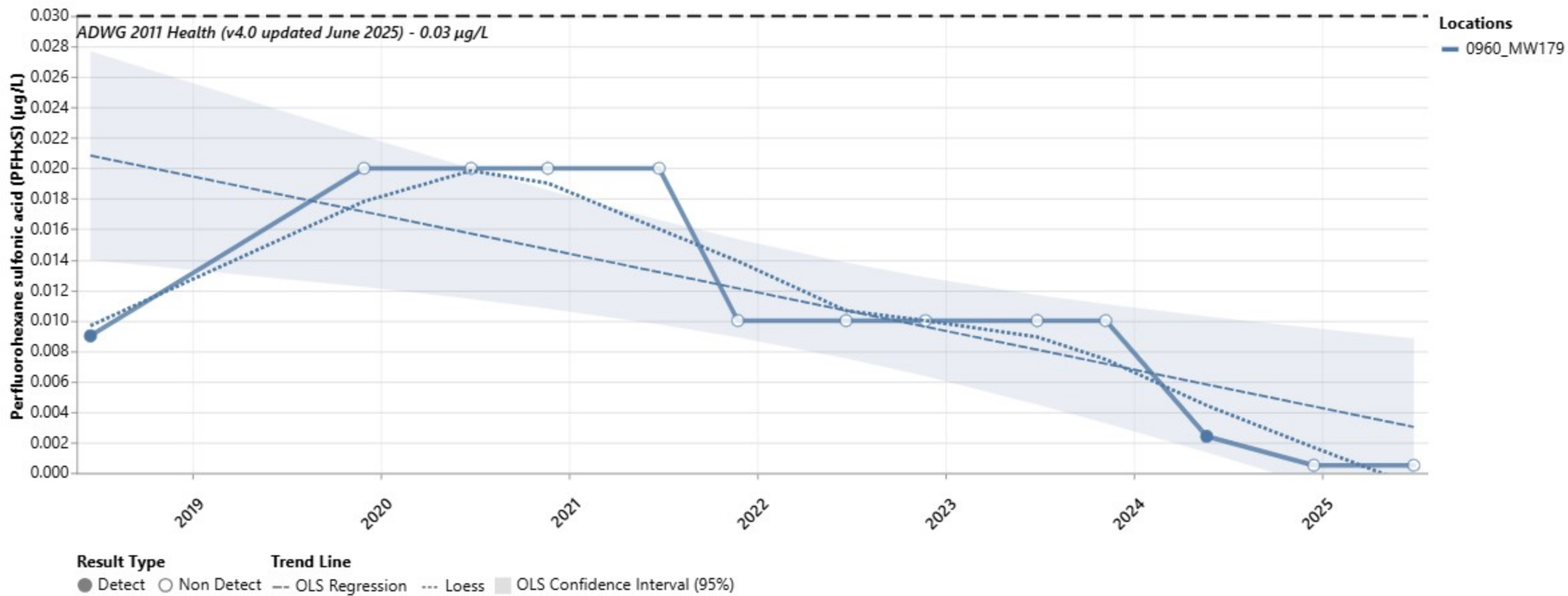
R: -0.7322

OLS Slope: 0.0000

OLS Intercept: 0.0208

Scale Estimate: 0.0051

P-value (Reg): 0.0044





Statistics

n: 13

Mann Kendall

S: -23

Z: -1.6599

Std Dev of S: 13.2539

Tabulated p-value: 0.0820

Approx p-value: 0.0485

OLS Regression

R-squared: 0.1809

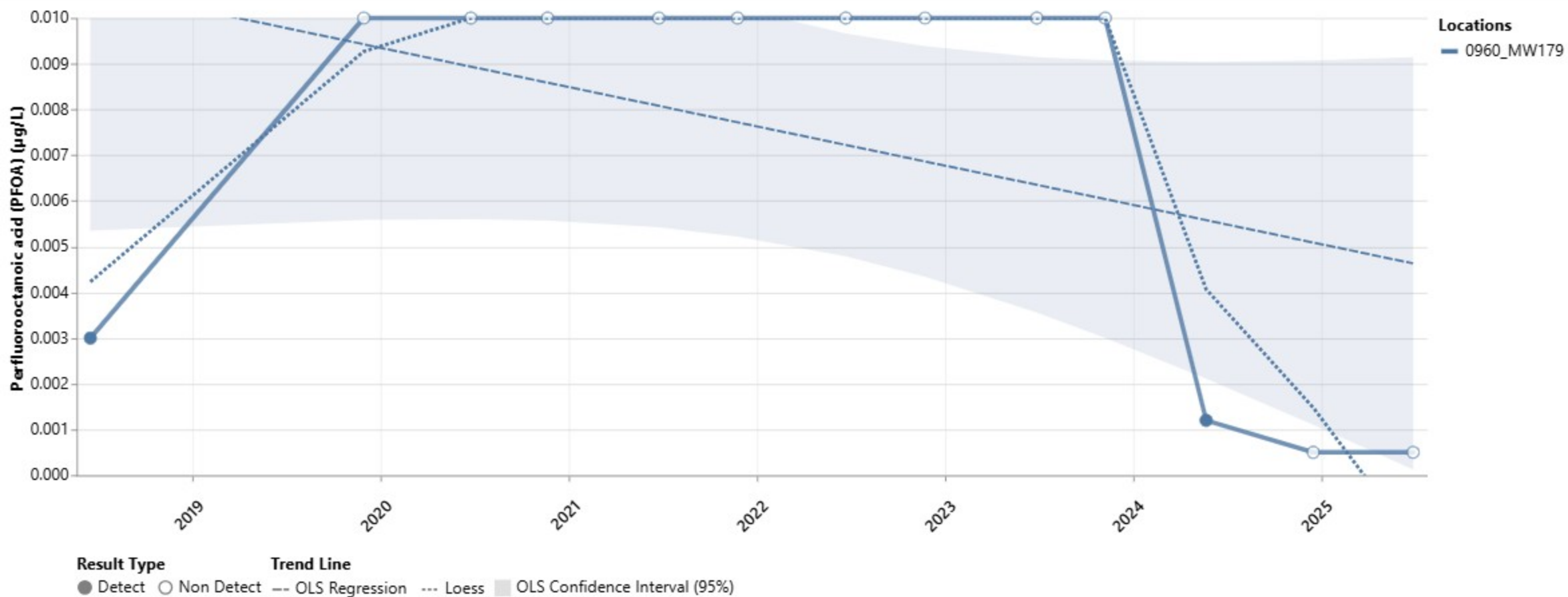
R: -0.4253

OLS Slope: 0.0000

OLS Intercept: 0.0107

Scale Estimate: 0.0040

P-value (Reg): 0.1474





Statistics

n: 13

Mann Kendall

S: -33

Z: -2.6698

Std Dev of S: 11.9861

Tabulated p-value: 0.0210

Approx p-value: 0.0038

OLS Regression

R-squared: 0.5079

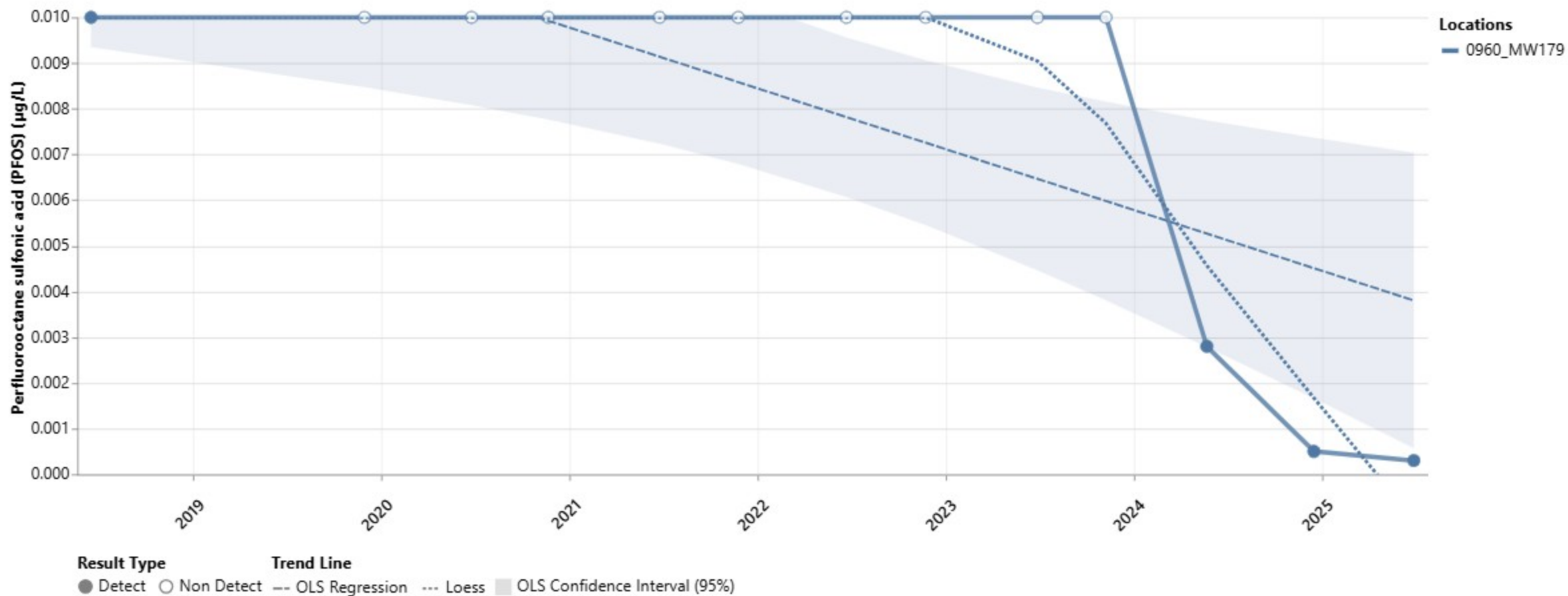
R: -0.7127

OLS Slope: 0.0000

OLS Intercept: 0.0132

Scale Estimate: 0.0029

P-value (Reg): 0.0063





Statistics

n: 13

Mann Kendall

S: -42

Z: -3.0847

Std Dev of S: 13.2916

Tabulated p-value: 0.0050

Approx p-value: 0.0010

OLS Regression

R-squared: 0.7033

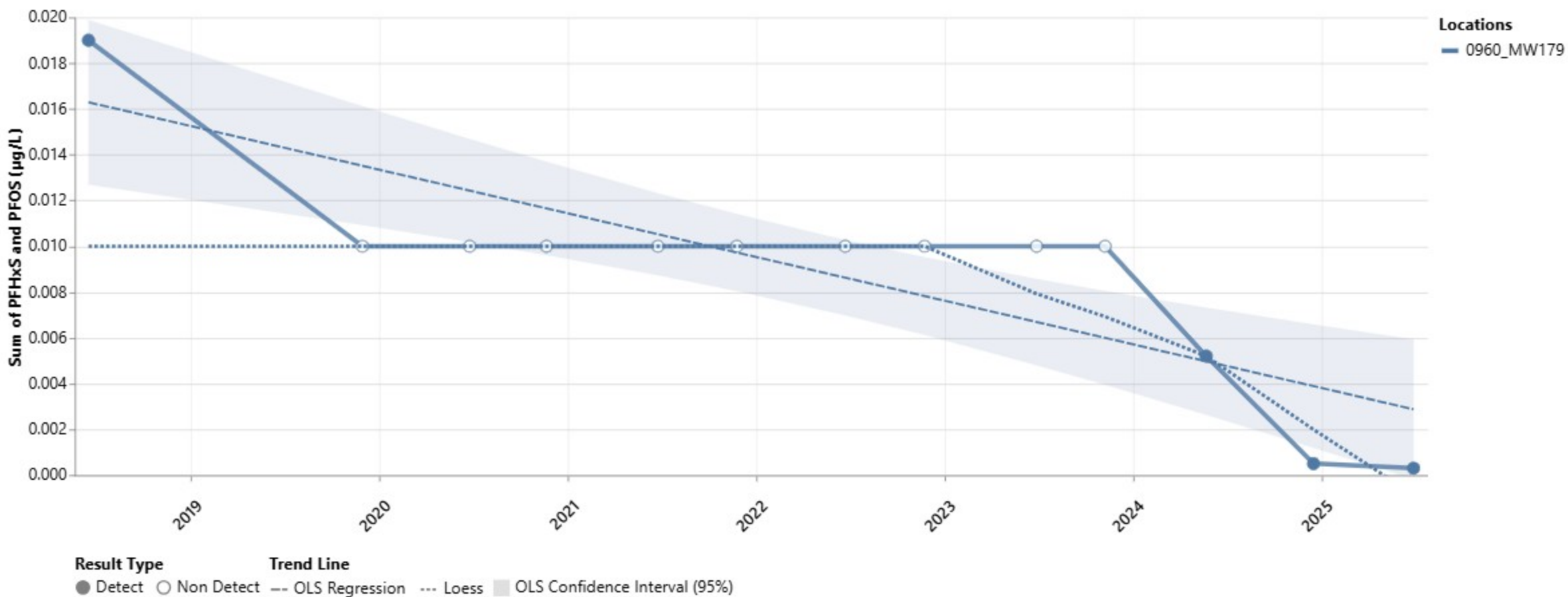
R: -0.8386

OLS Slope: 0.0000

OLS Intercept: 0.0163

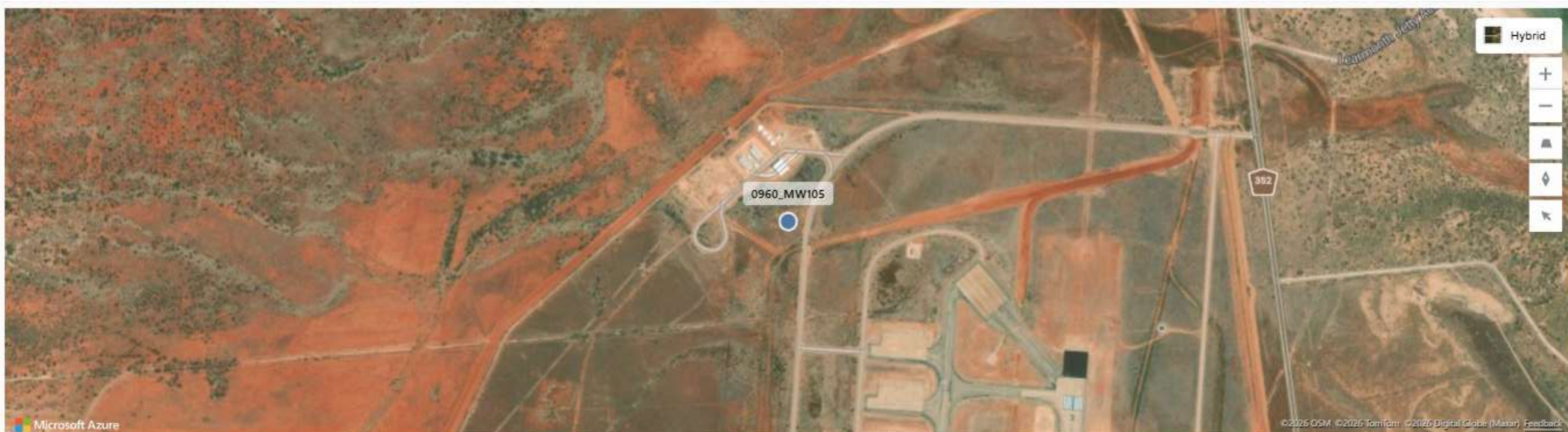
Scale Estimate: 0.0027

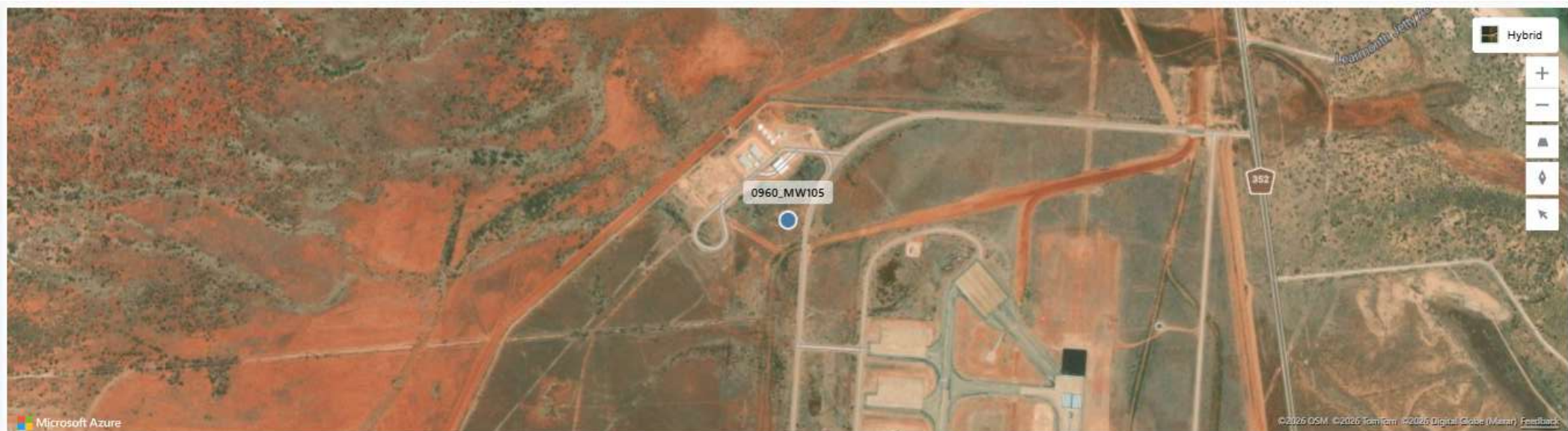
P-value (Reg): 0.0003

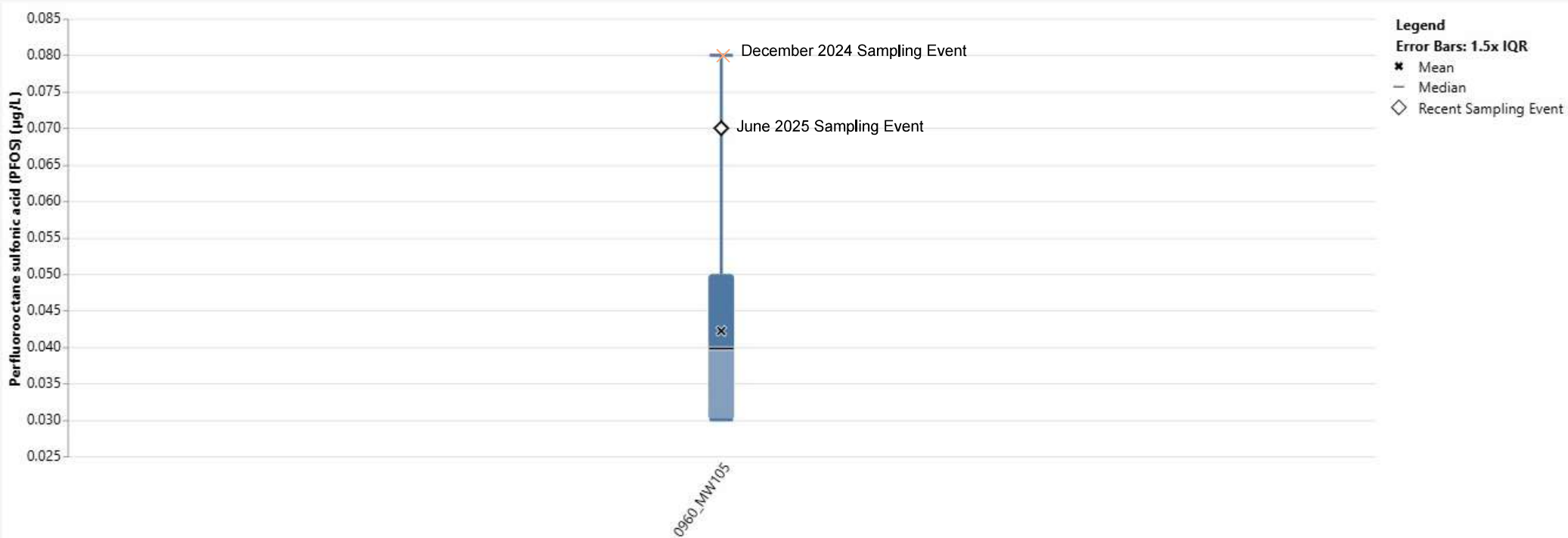
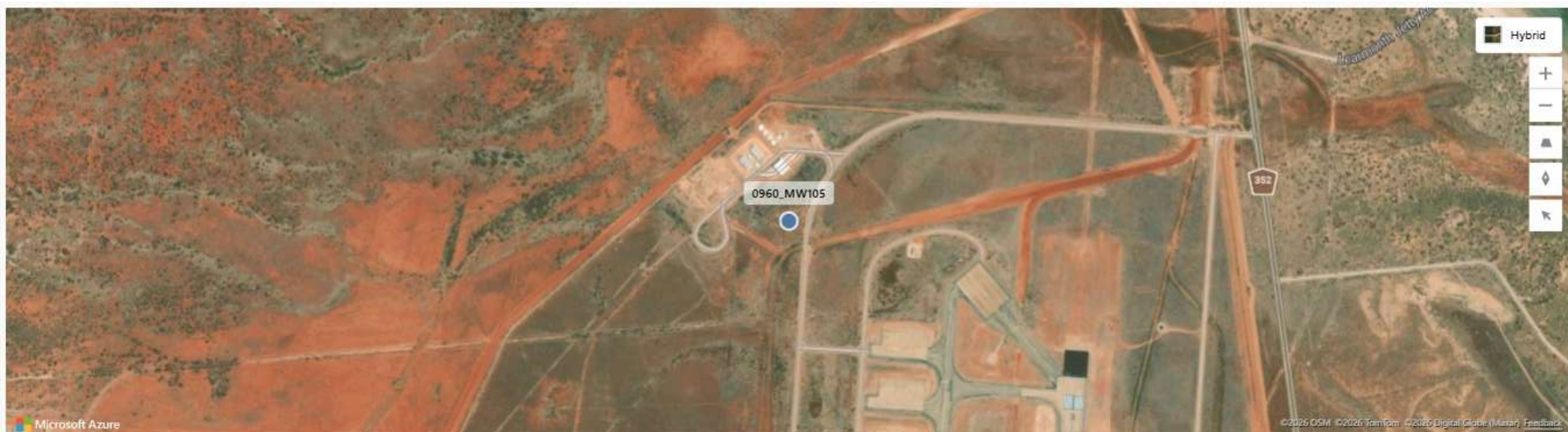


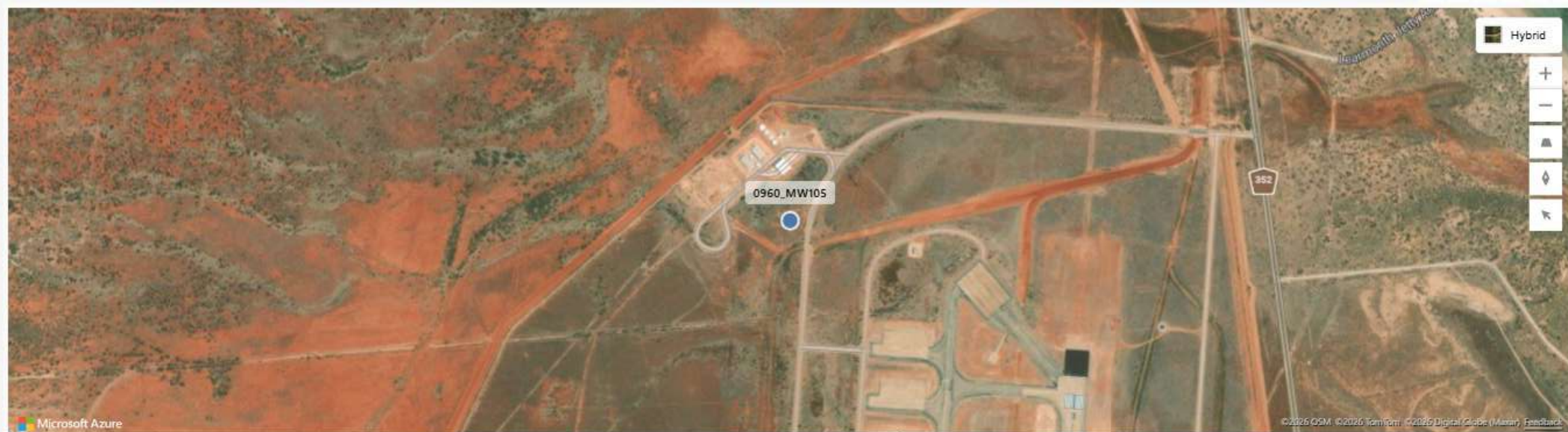
Appendix F

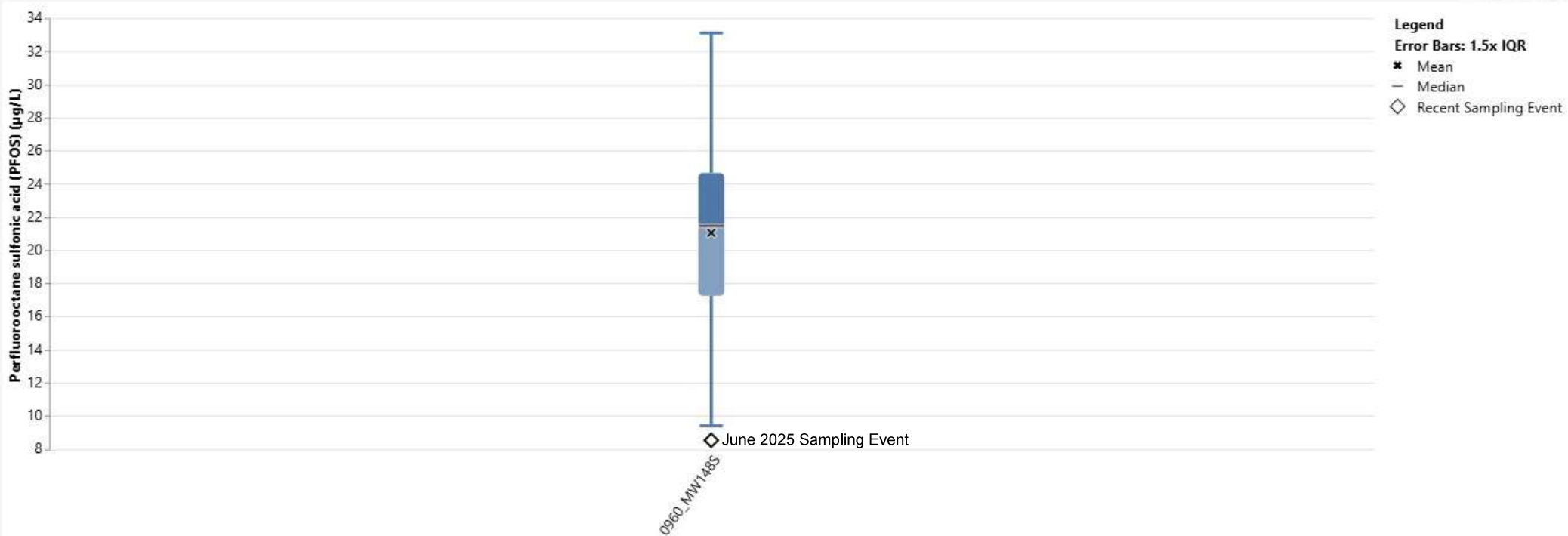
Box and whisker plots

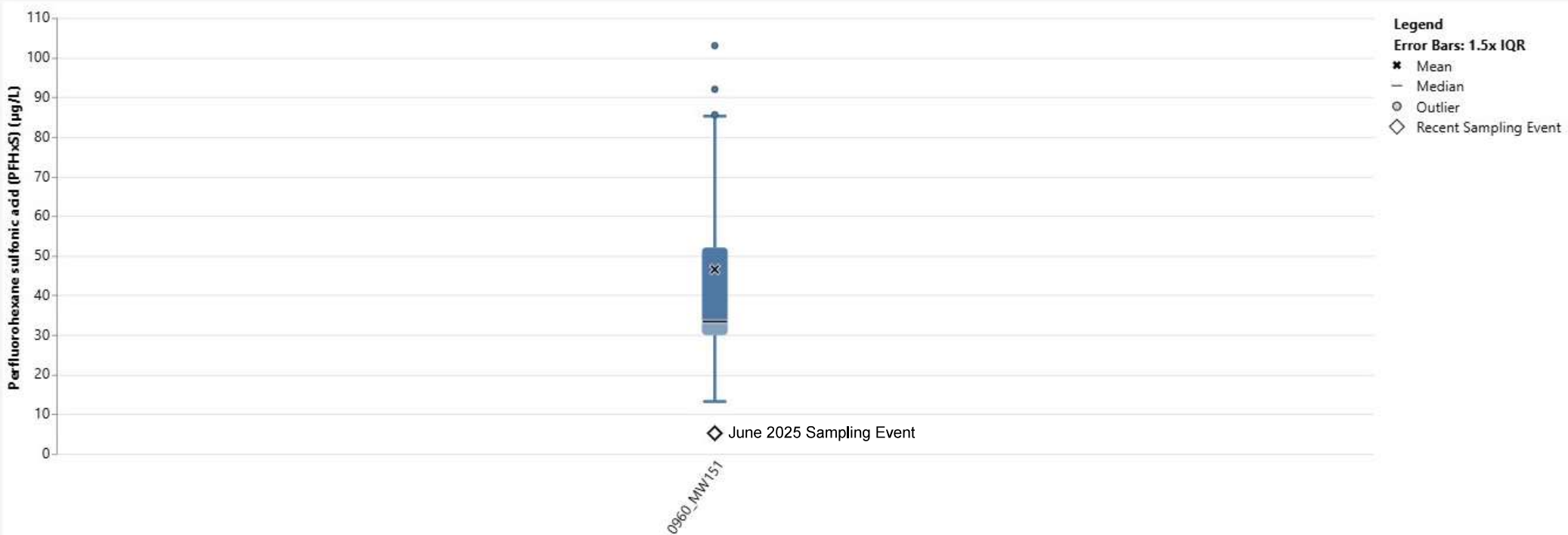


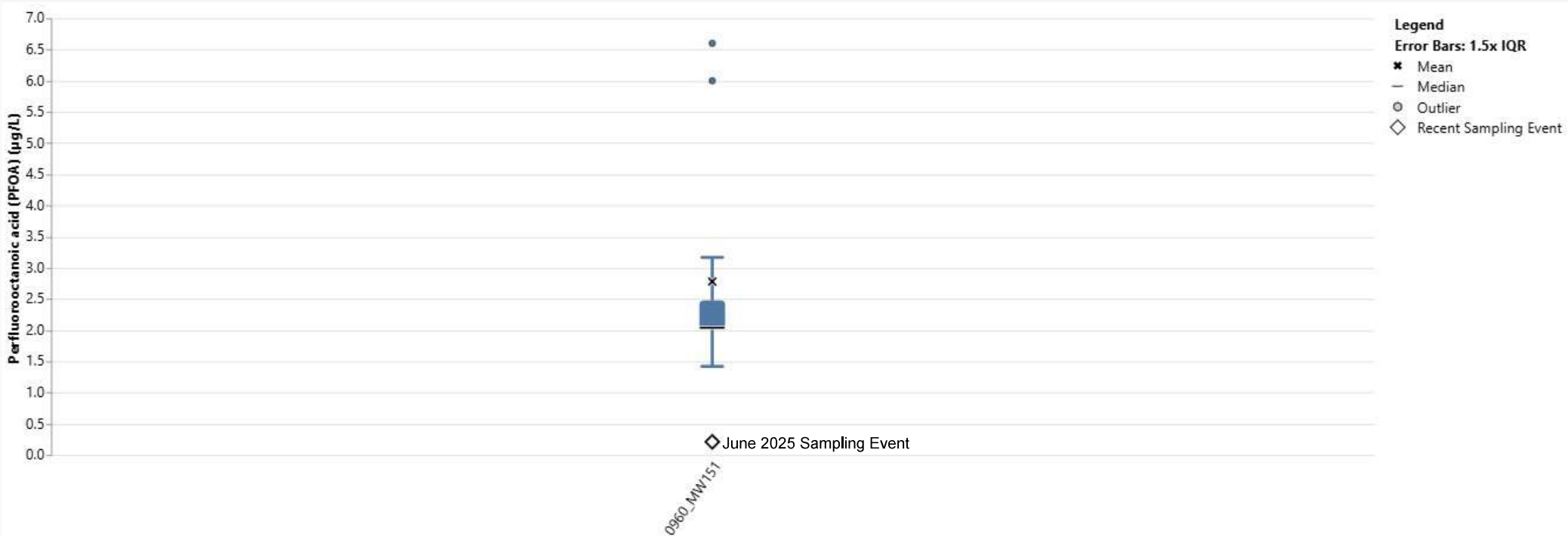


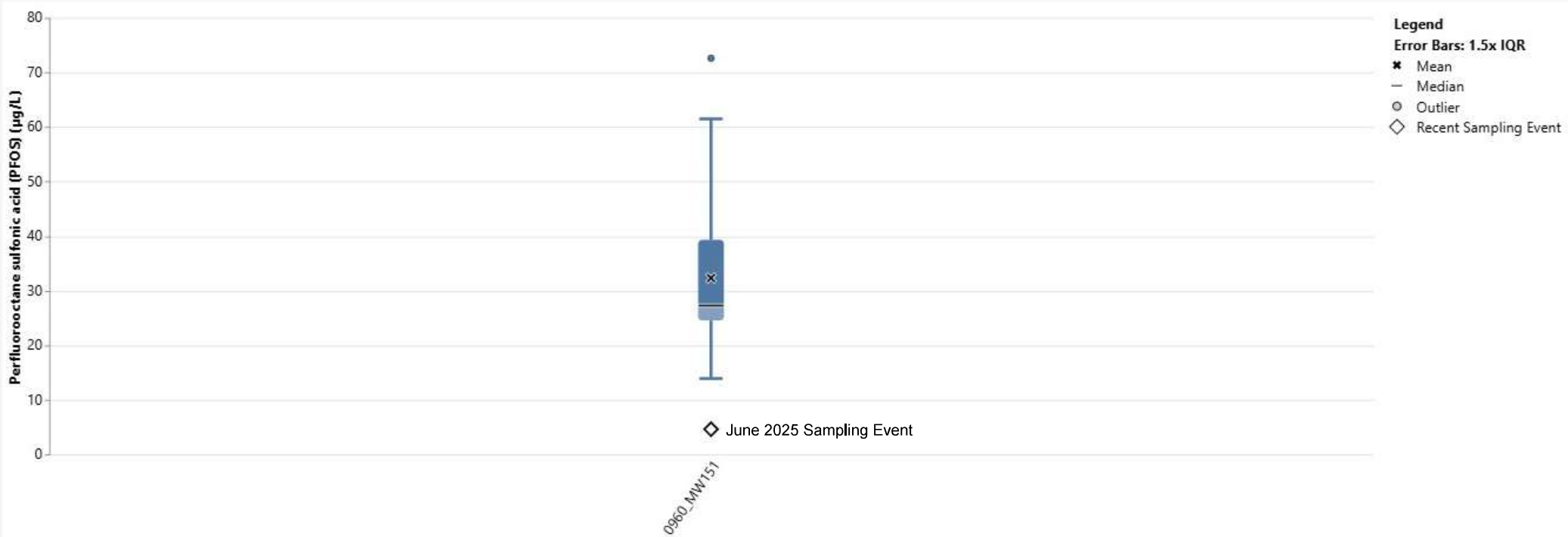


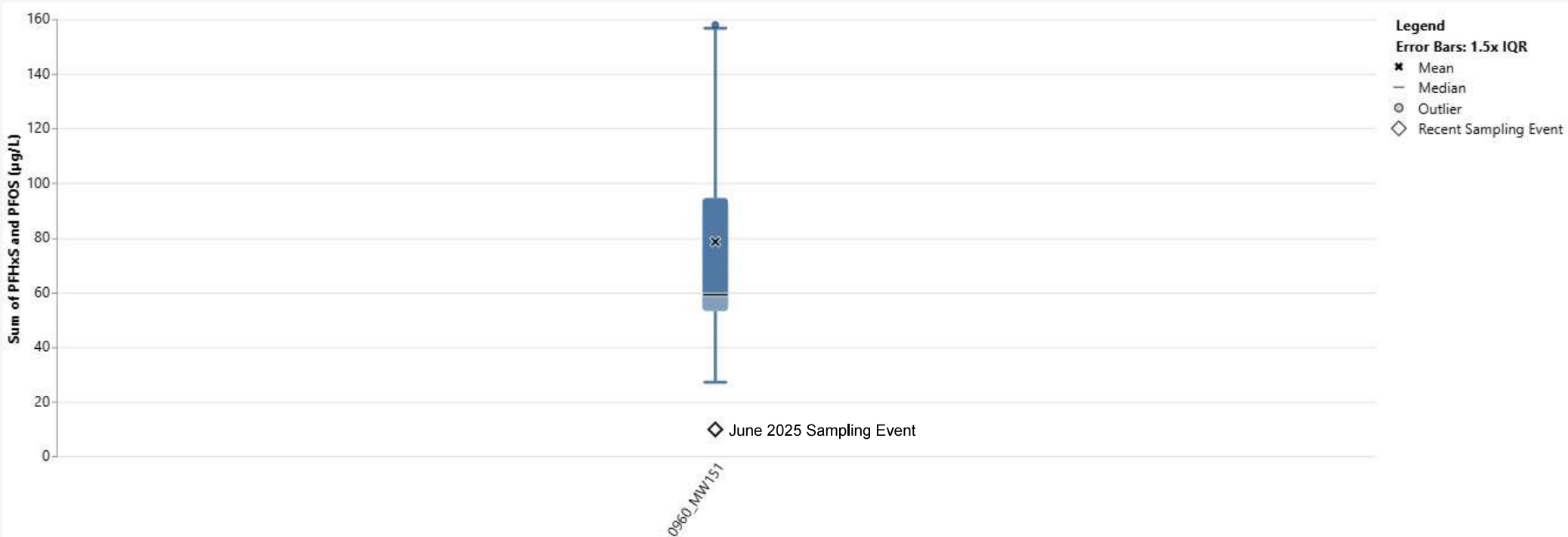


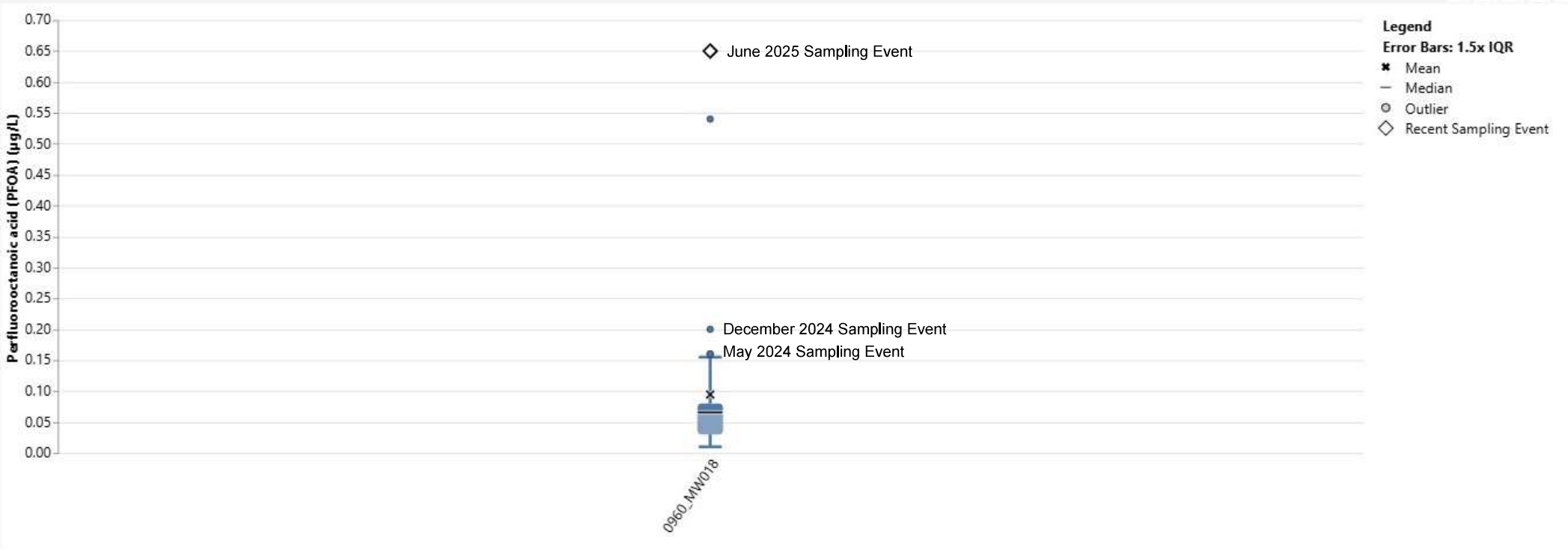


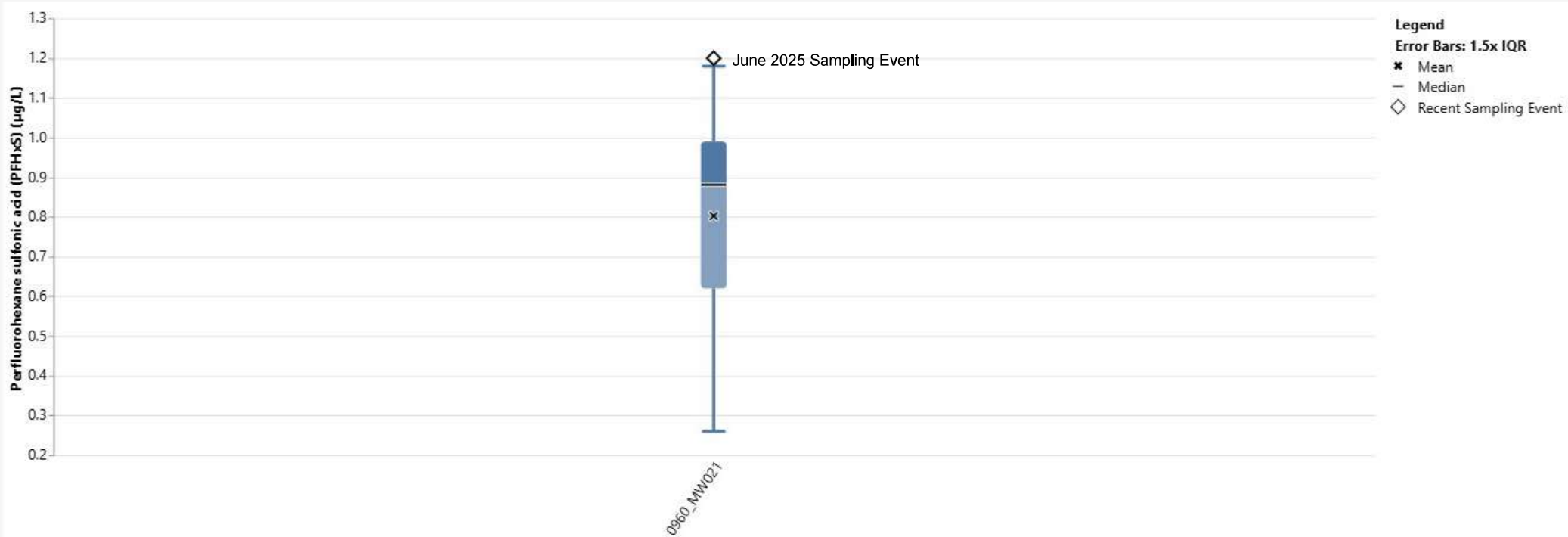


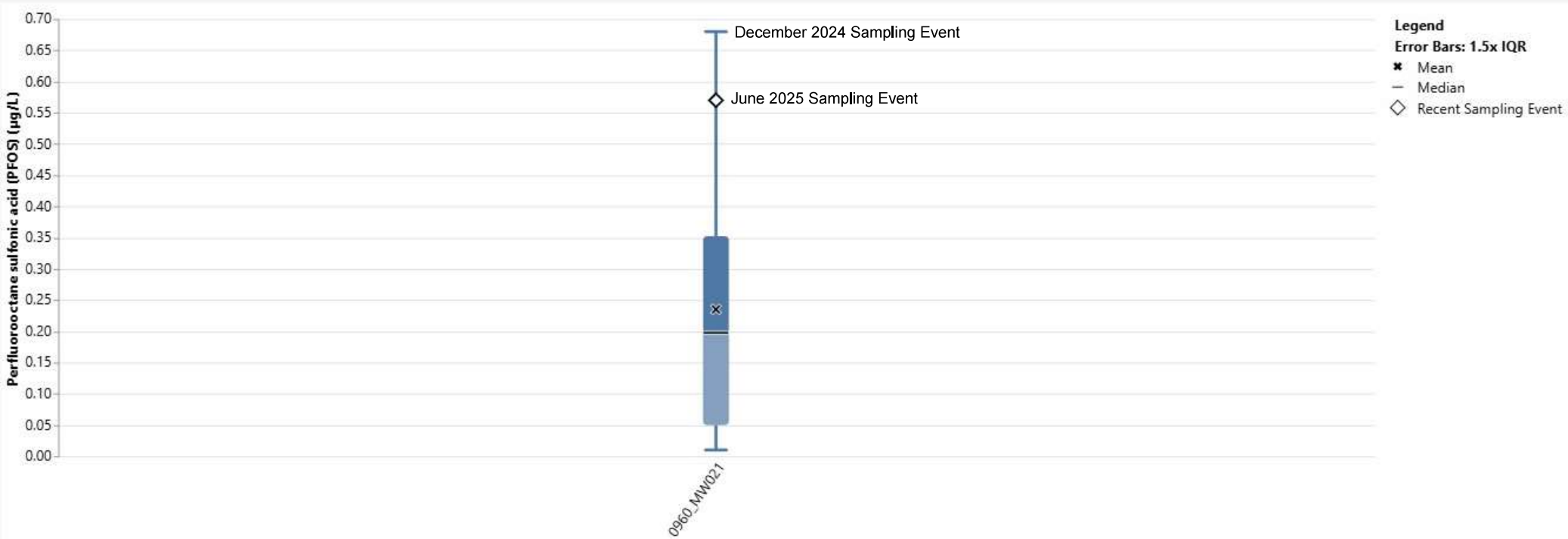


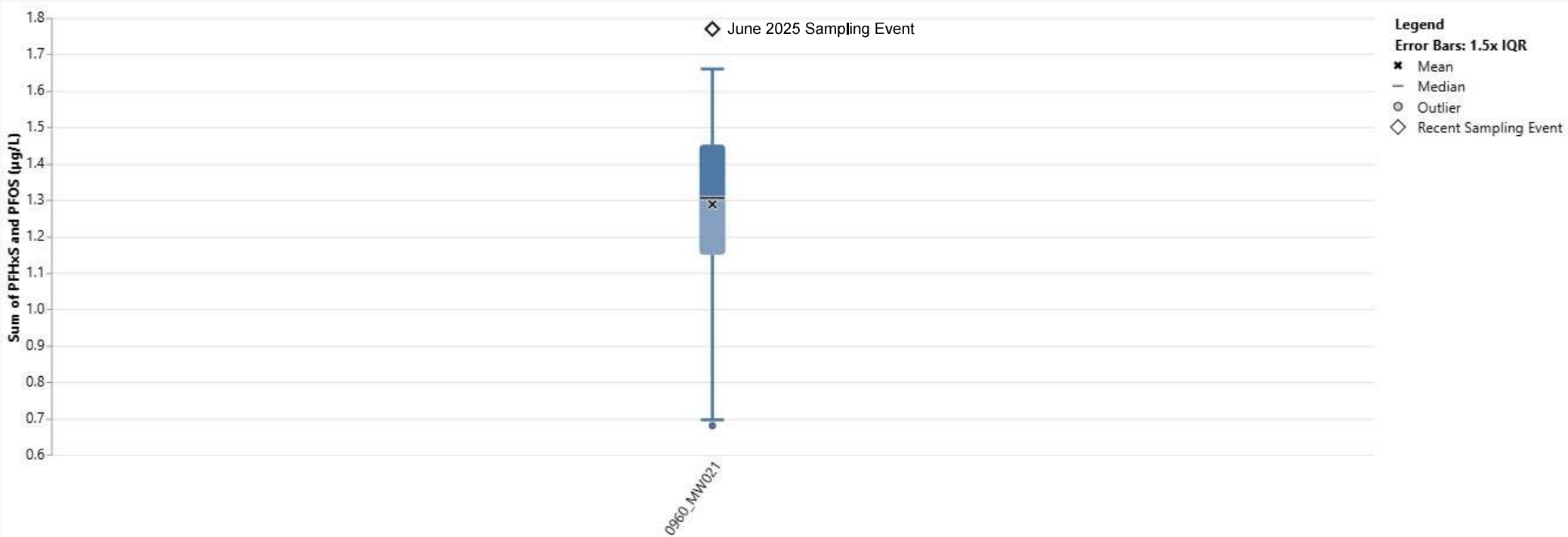


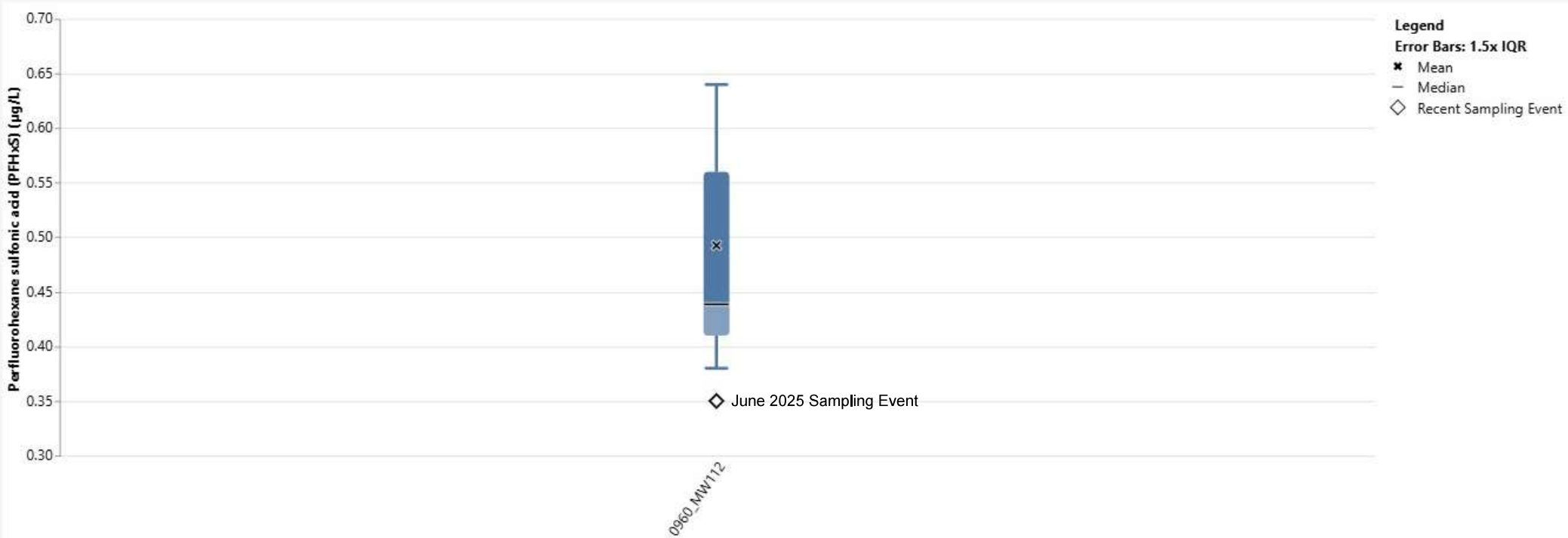


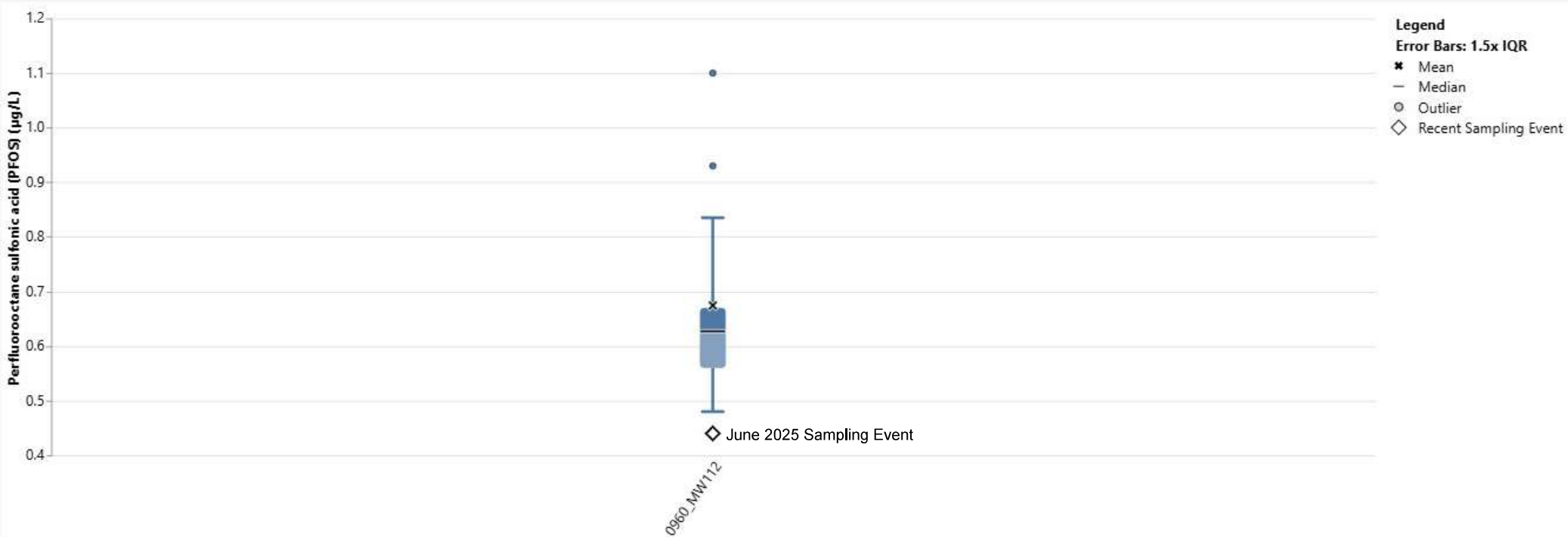


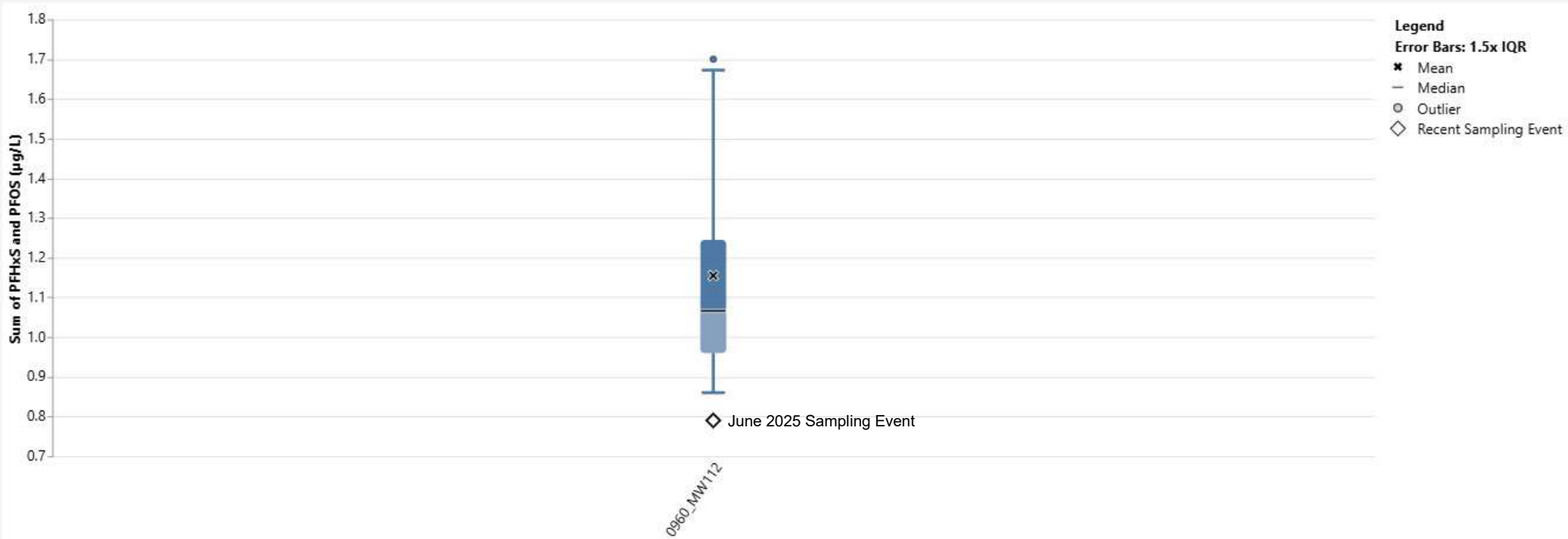


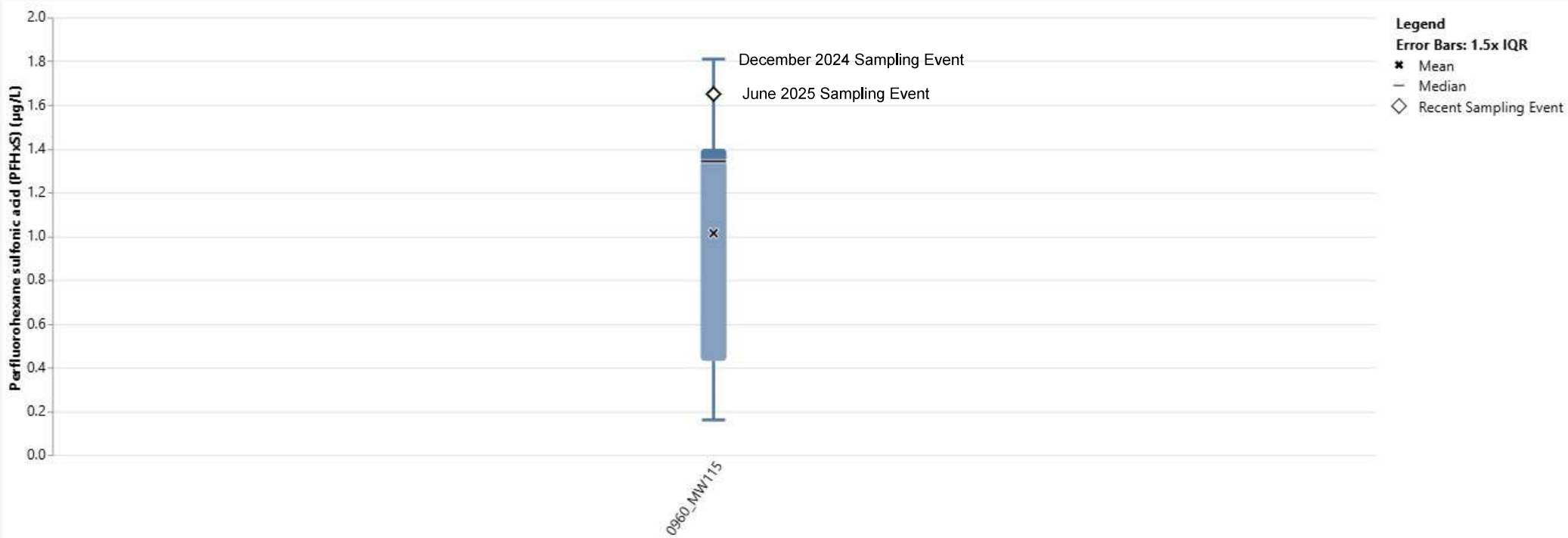


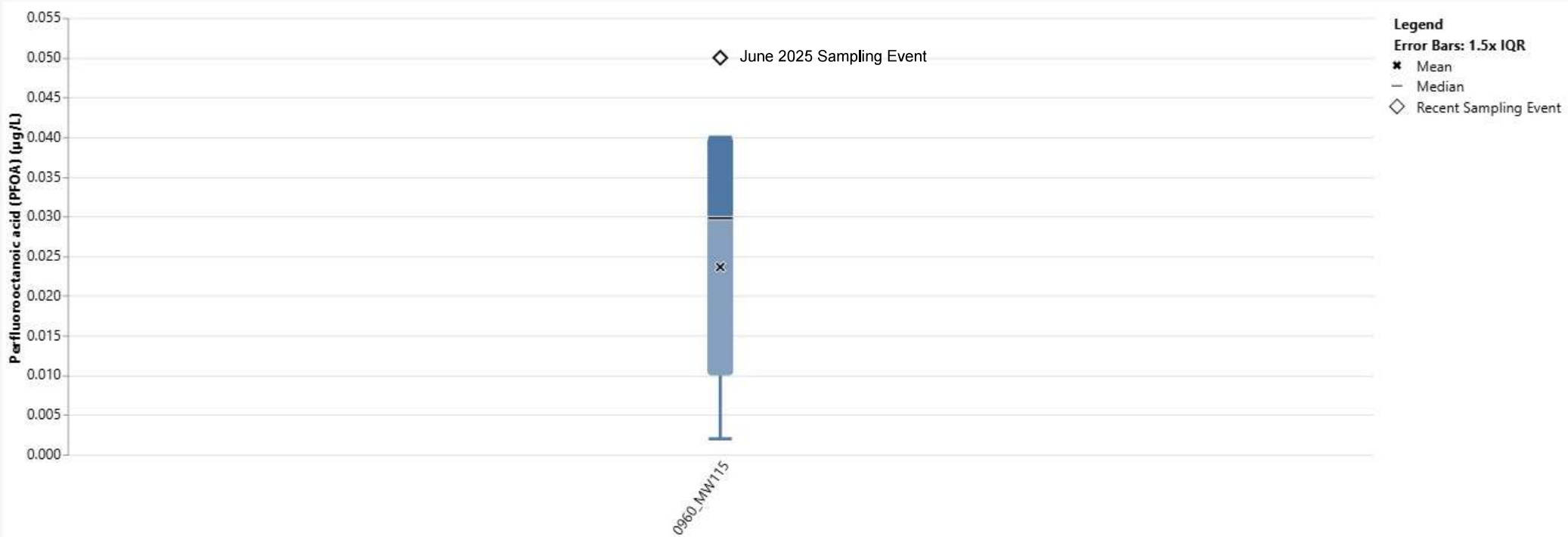


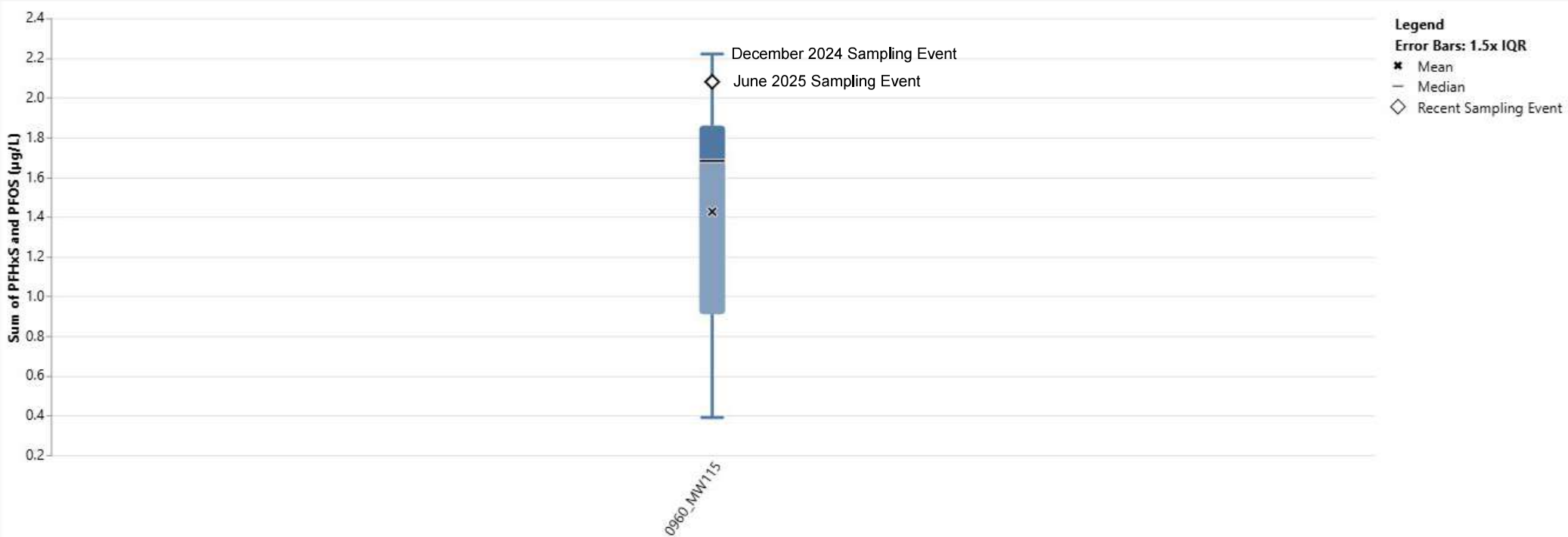


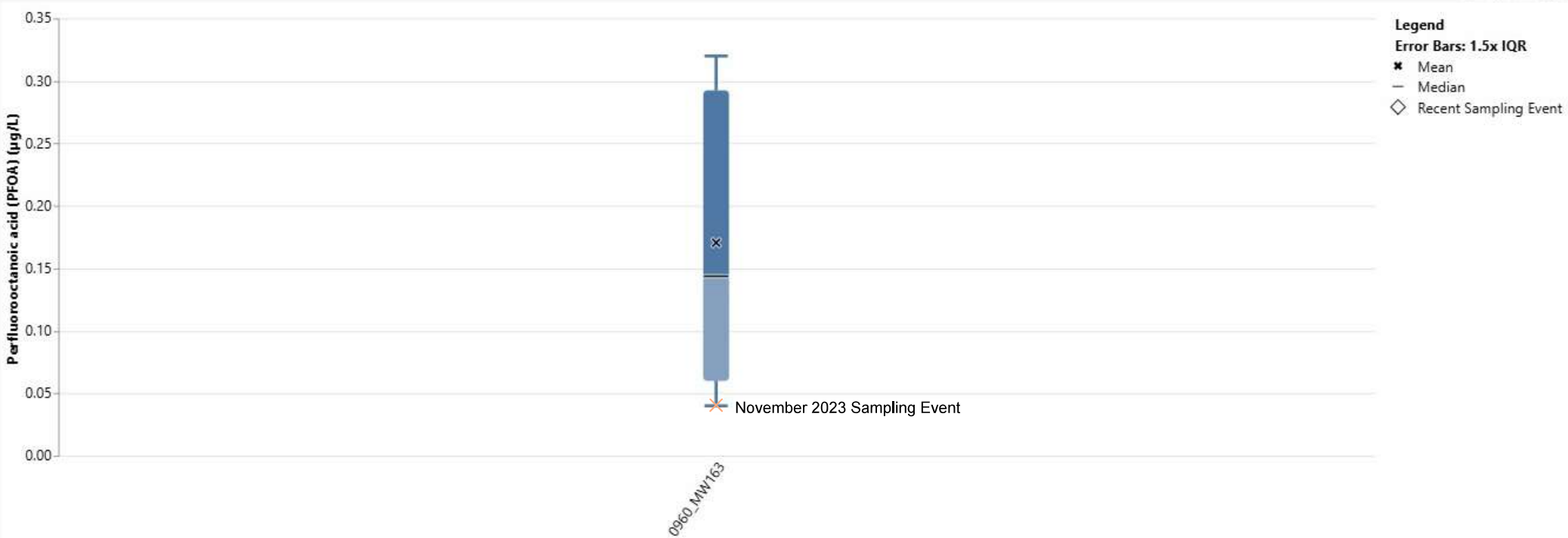


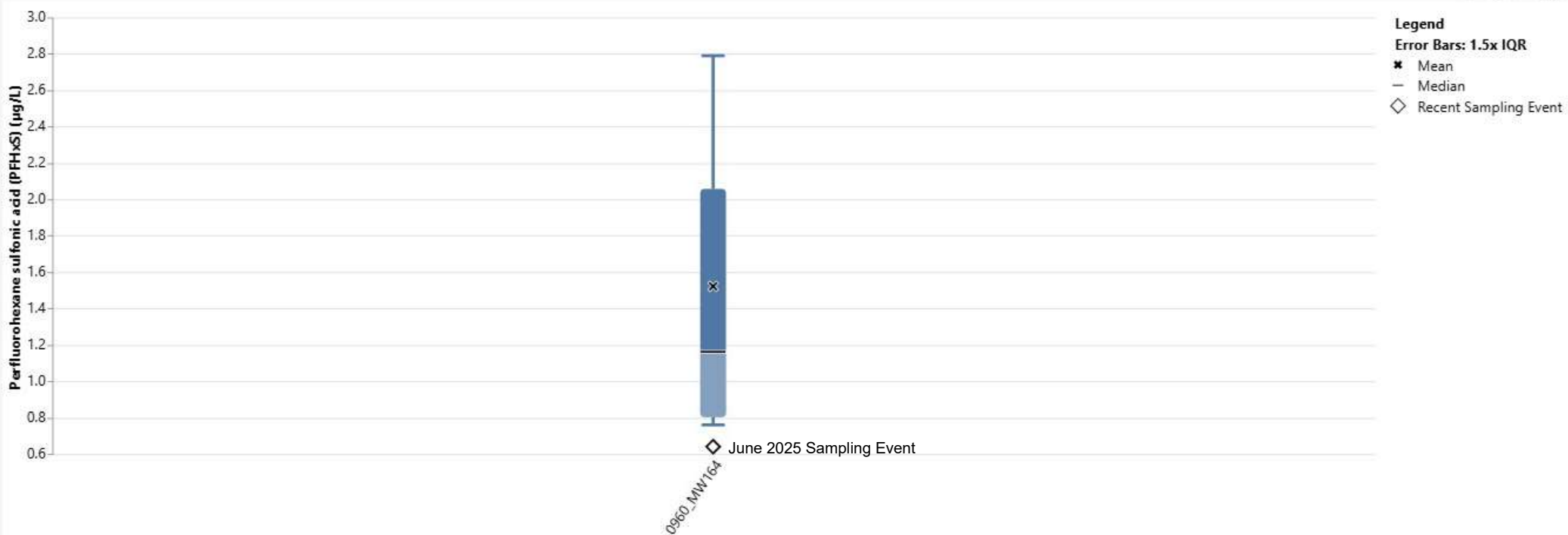


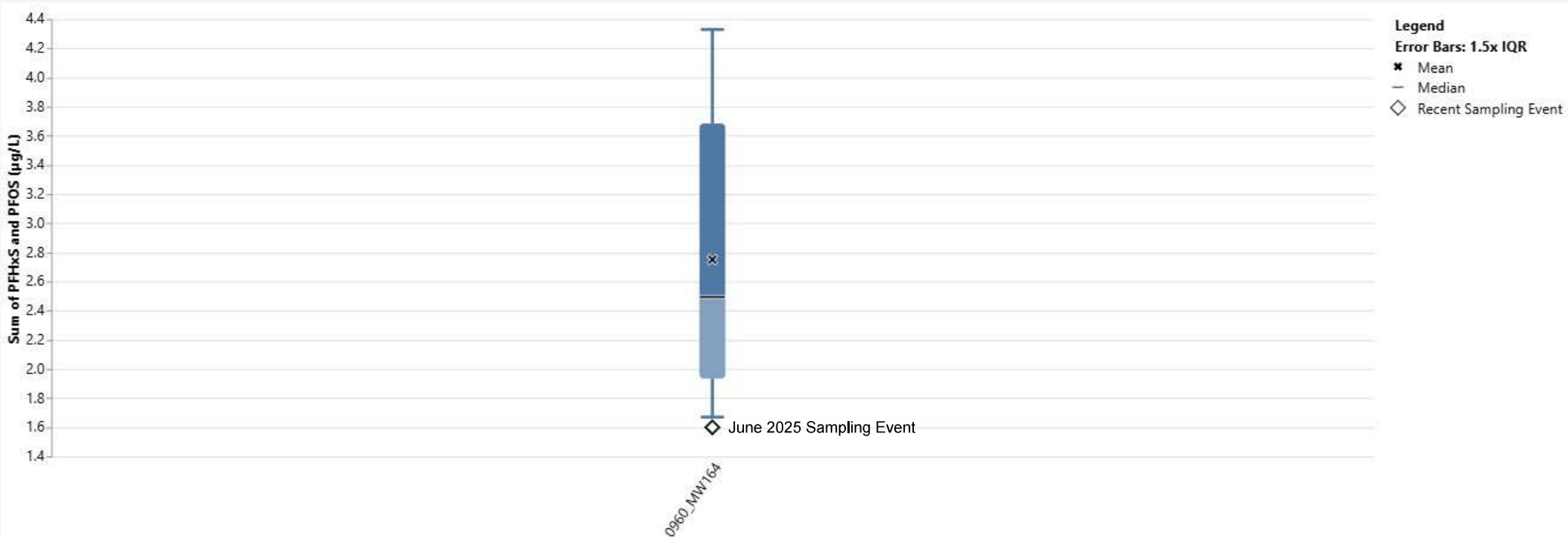


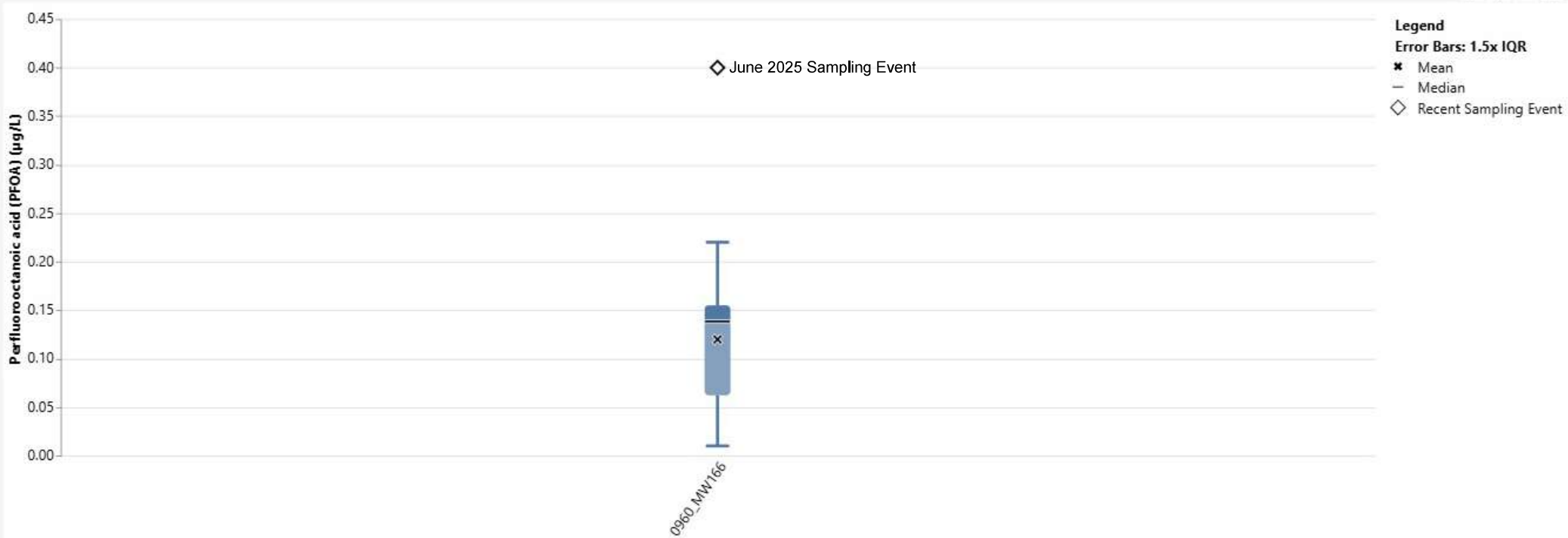


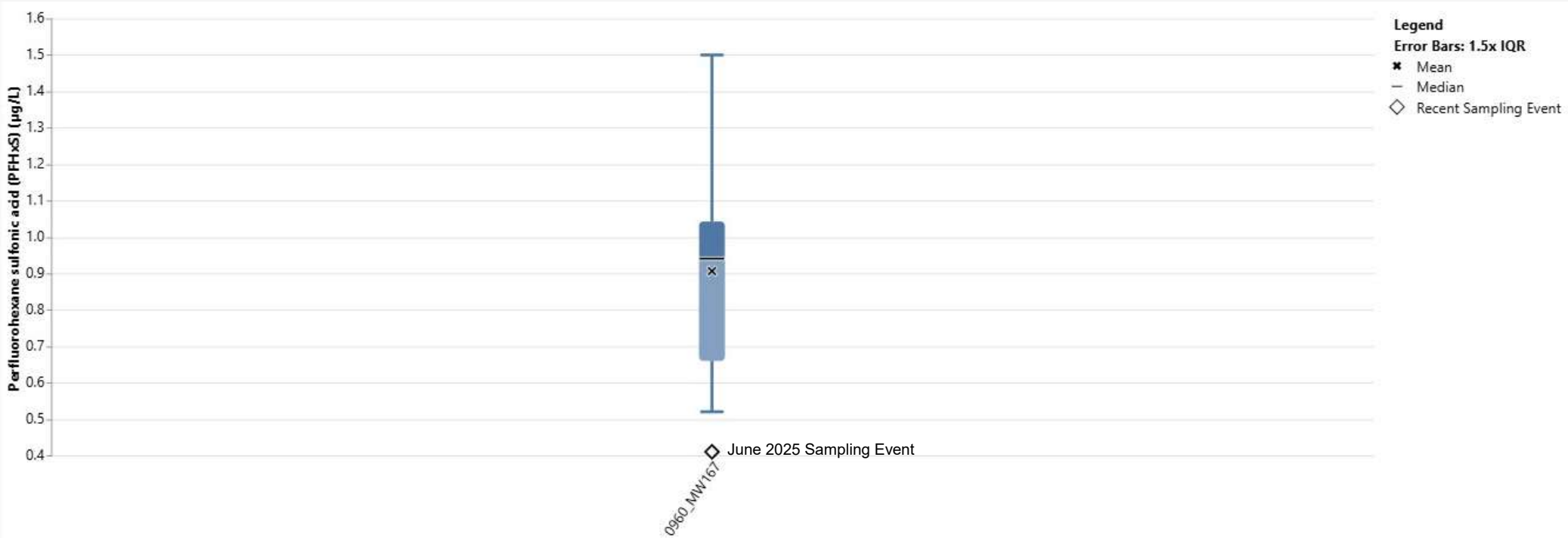


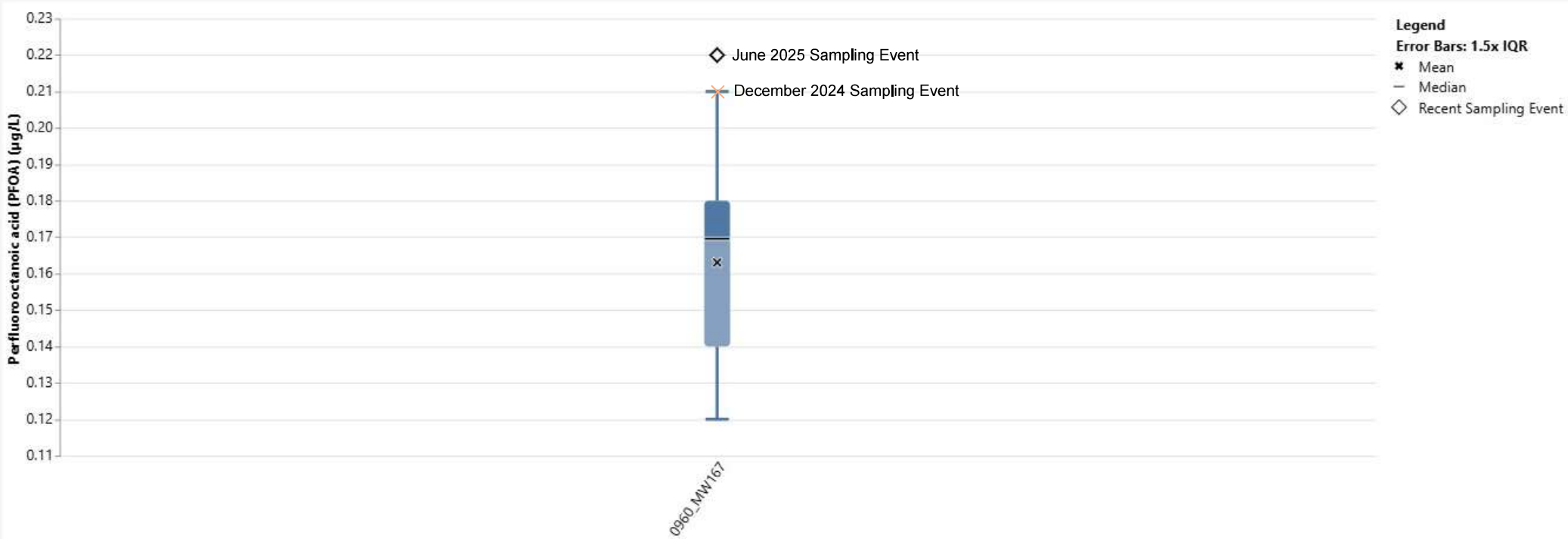


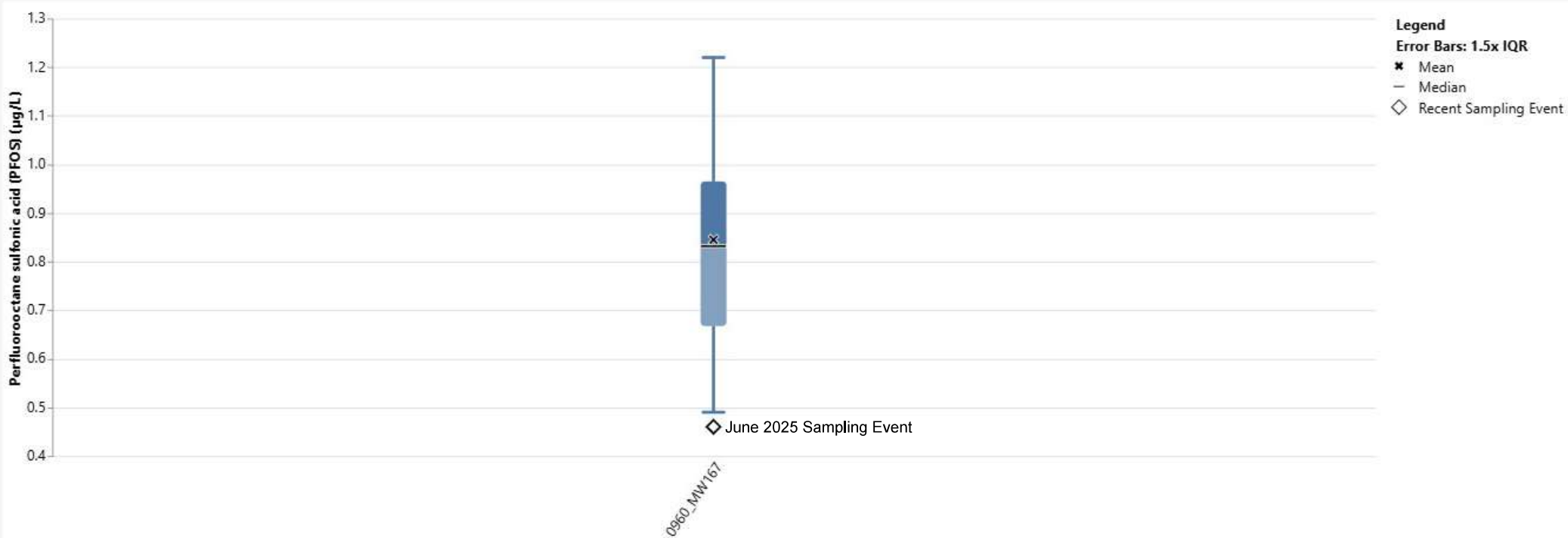


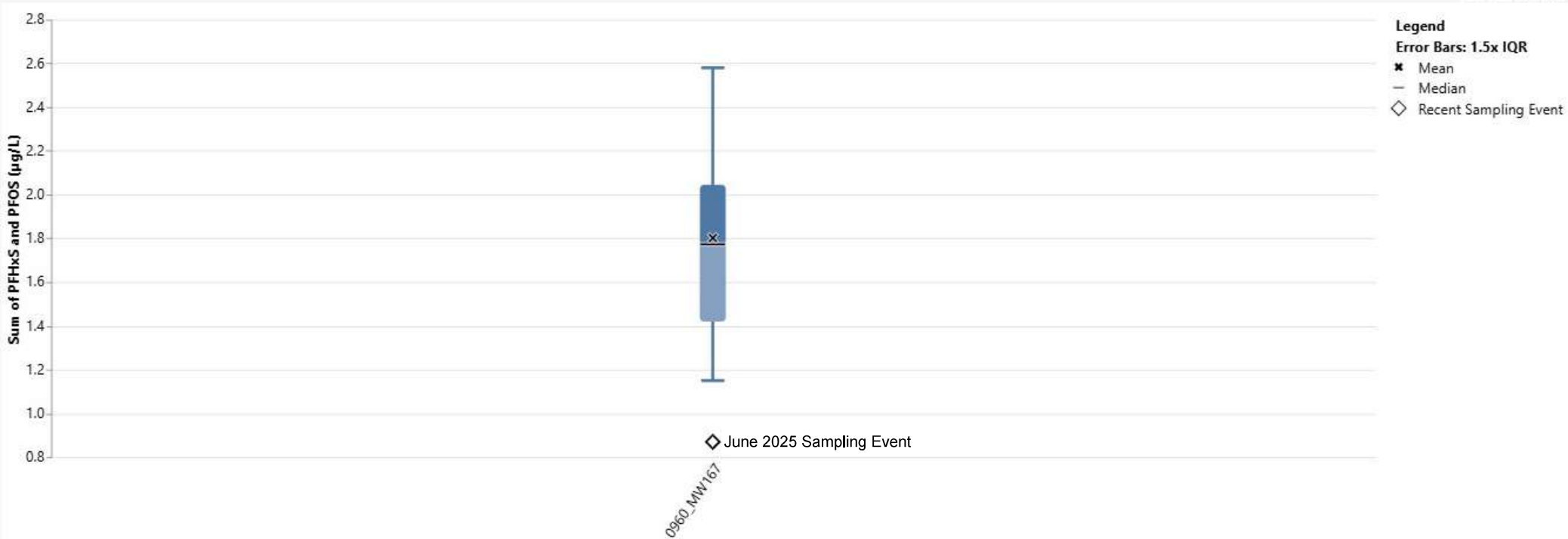


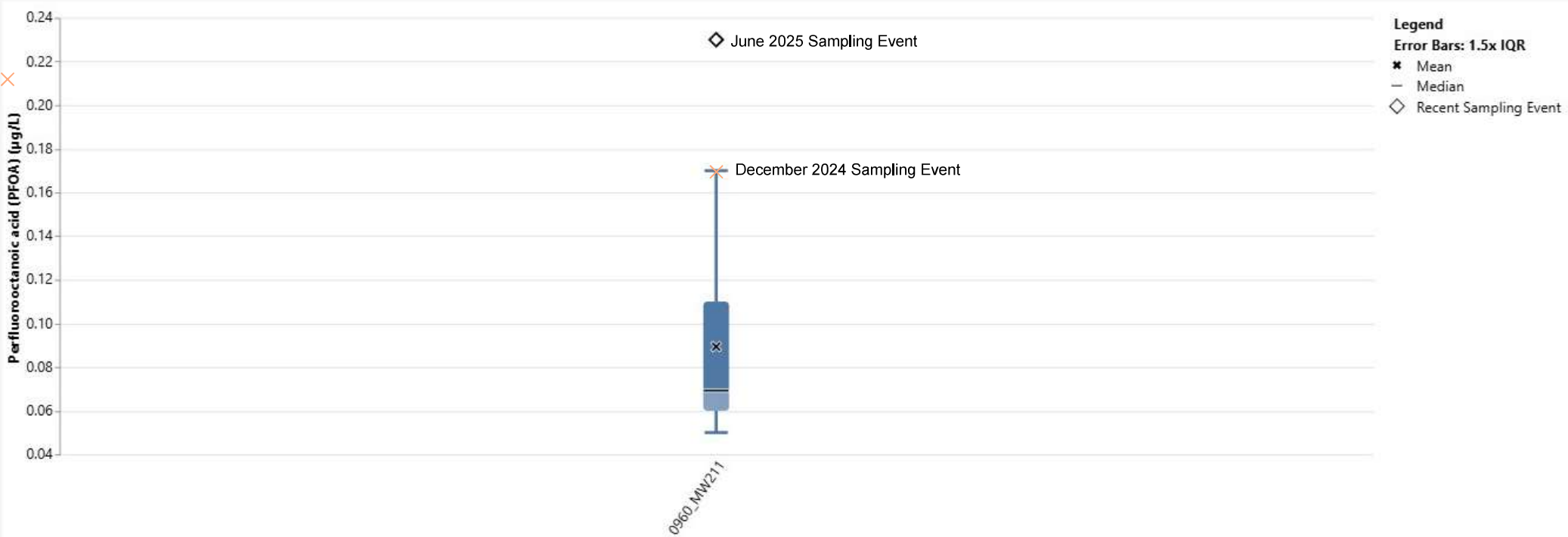




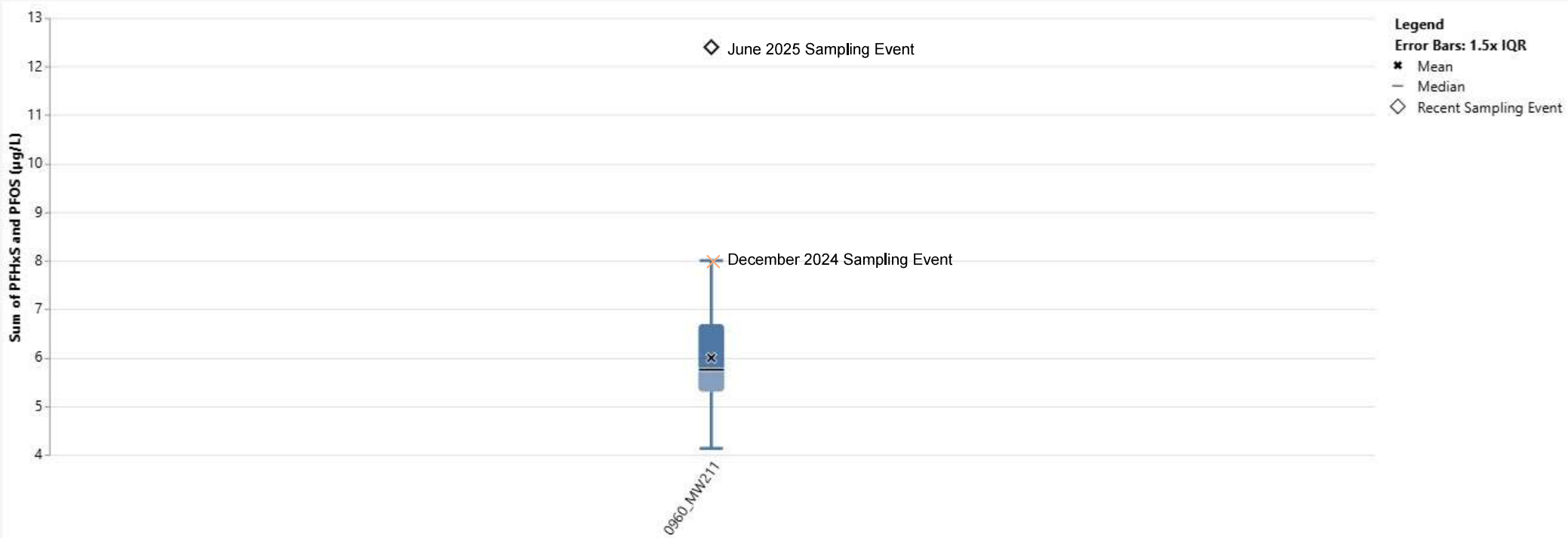


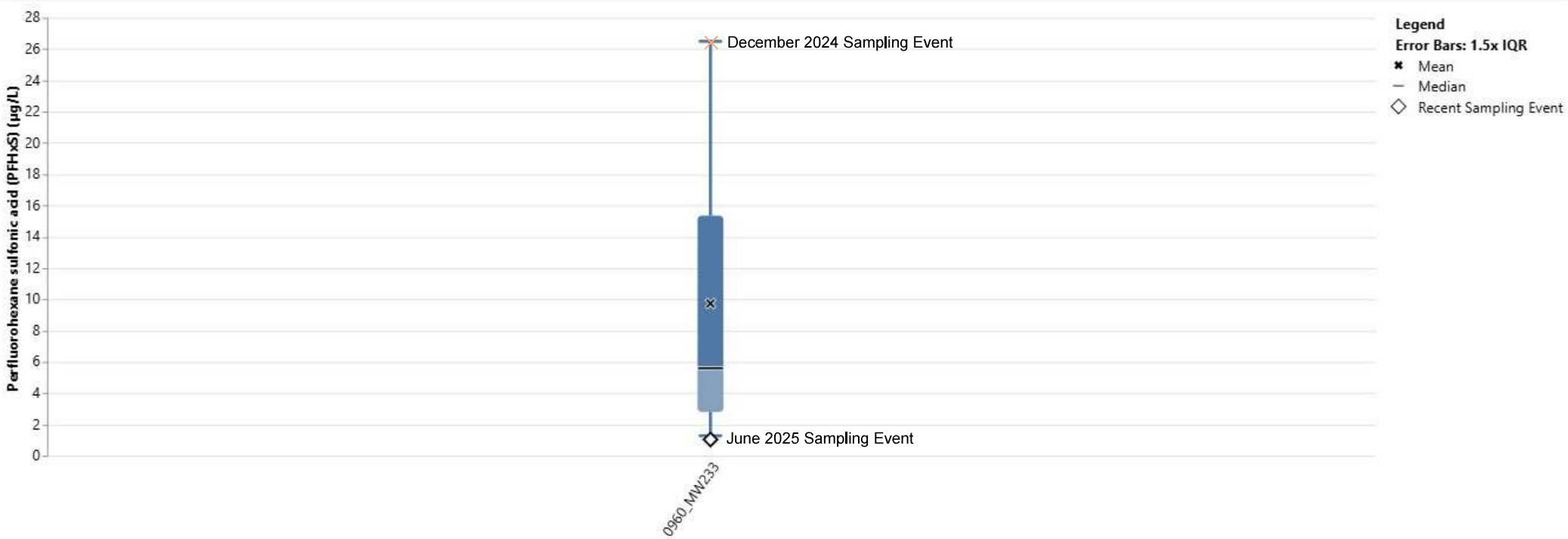


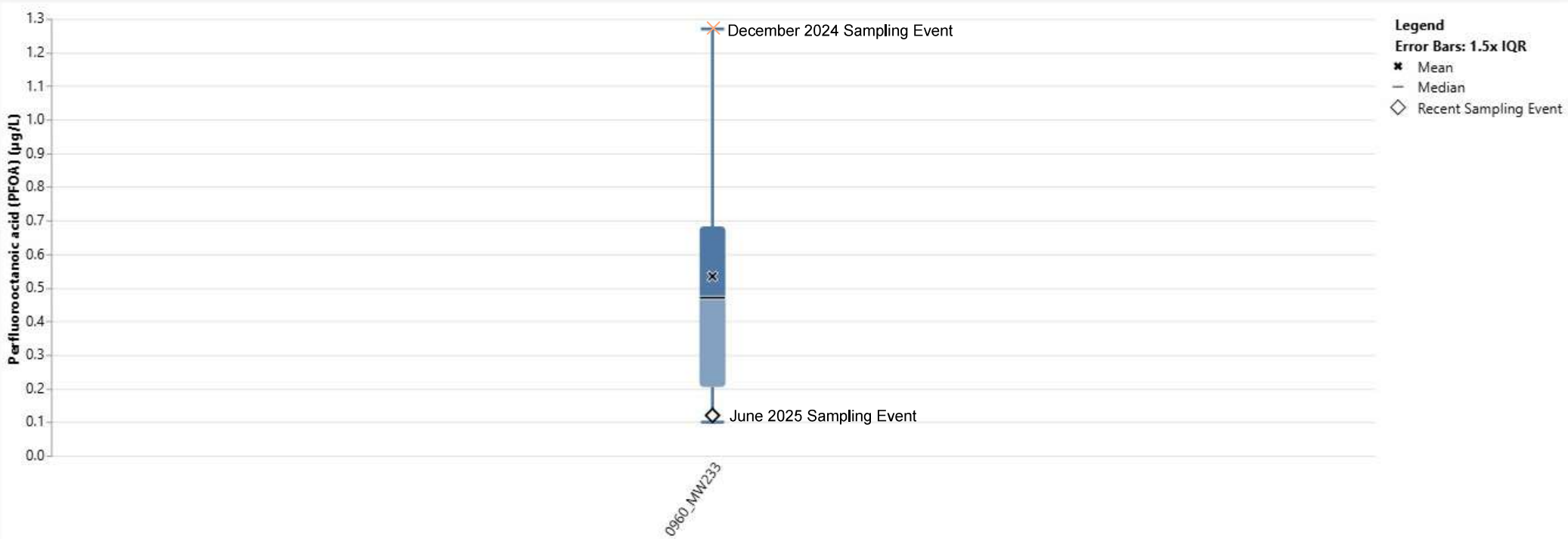


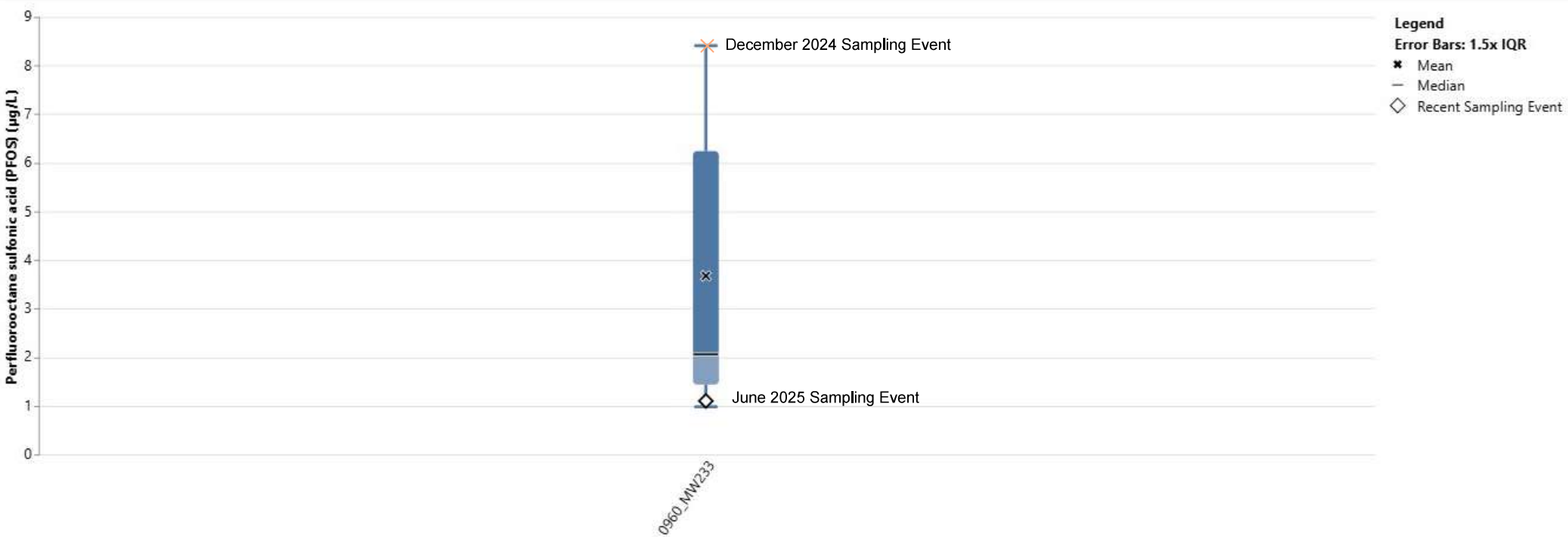


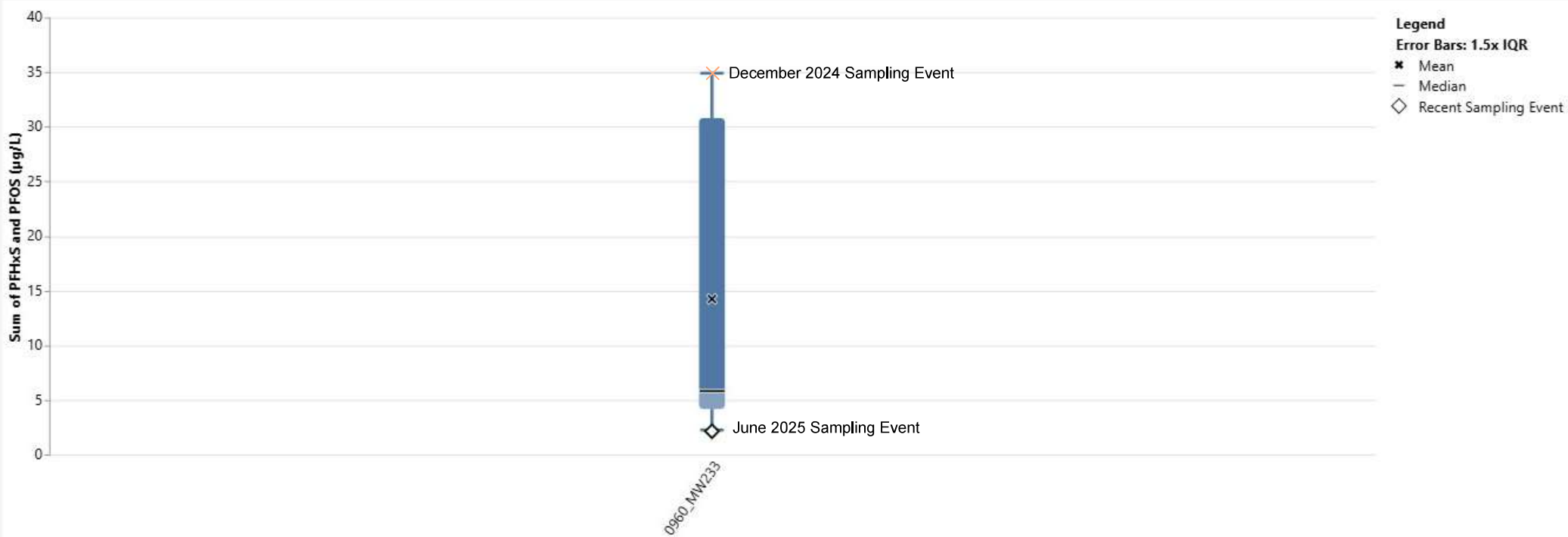


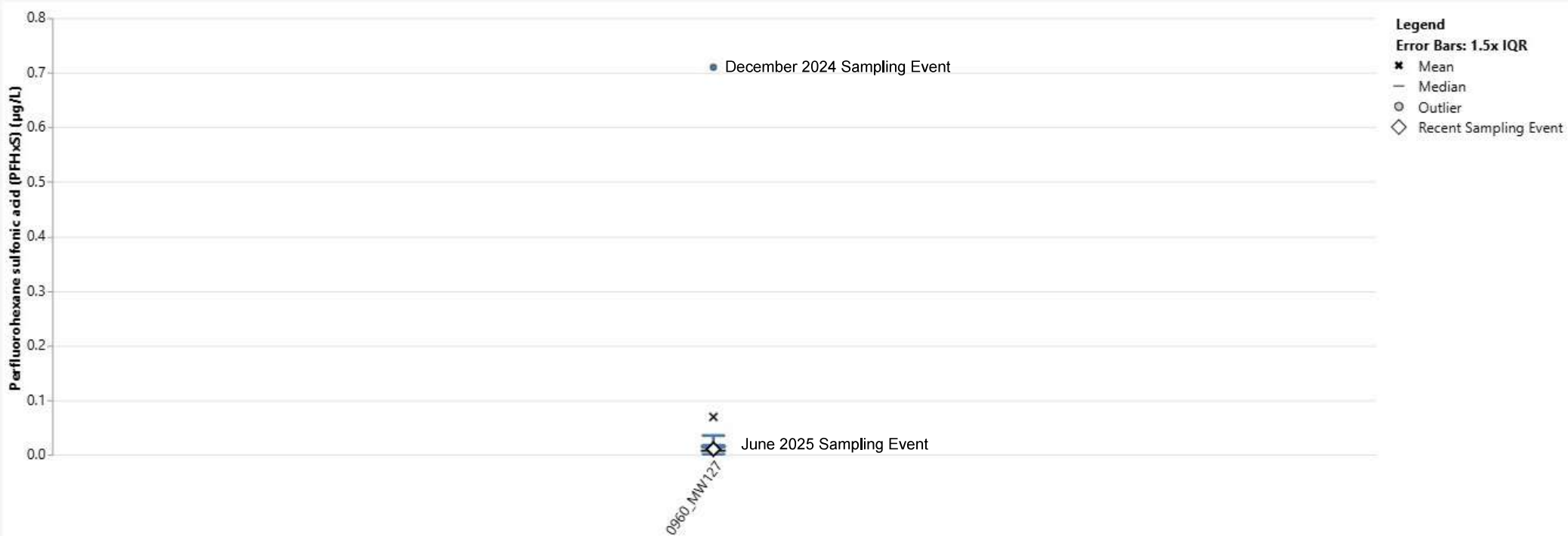


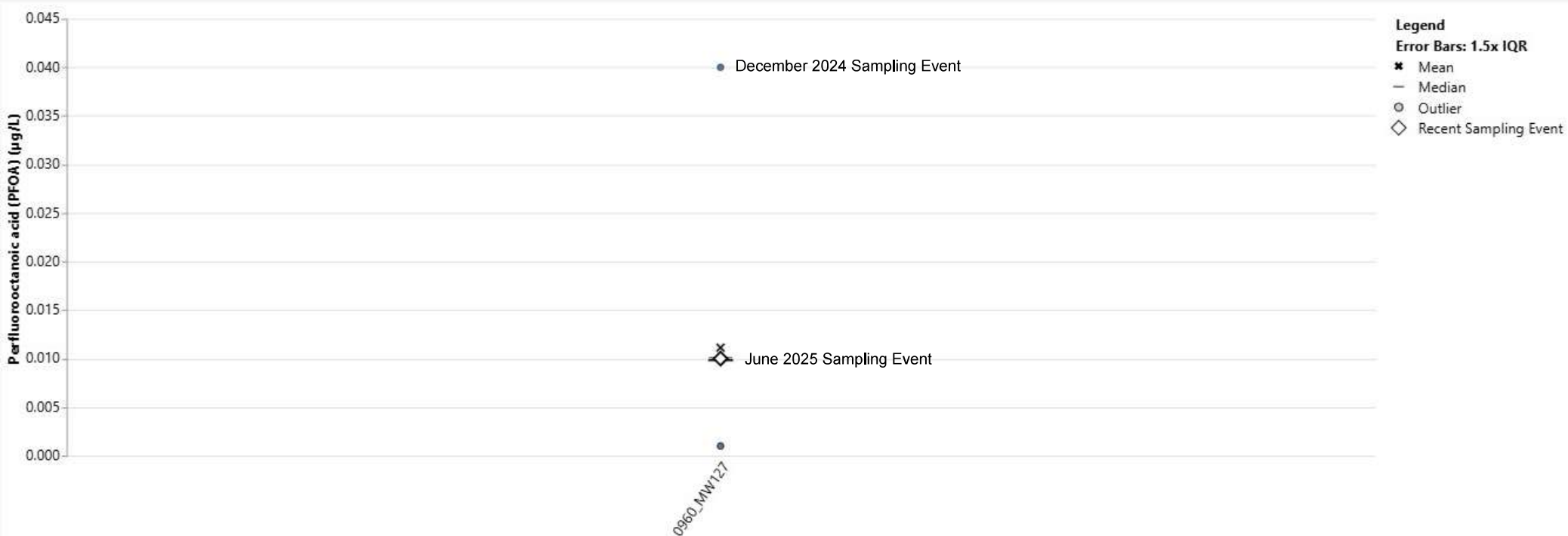






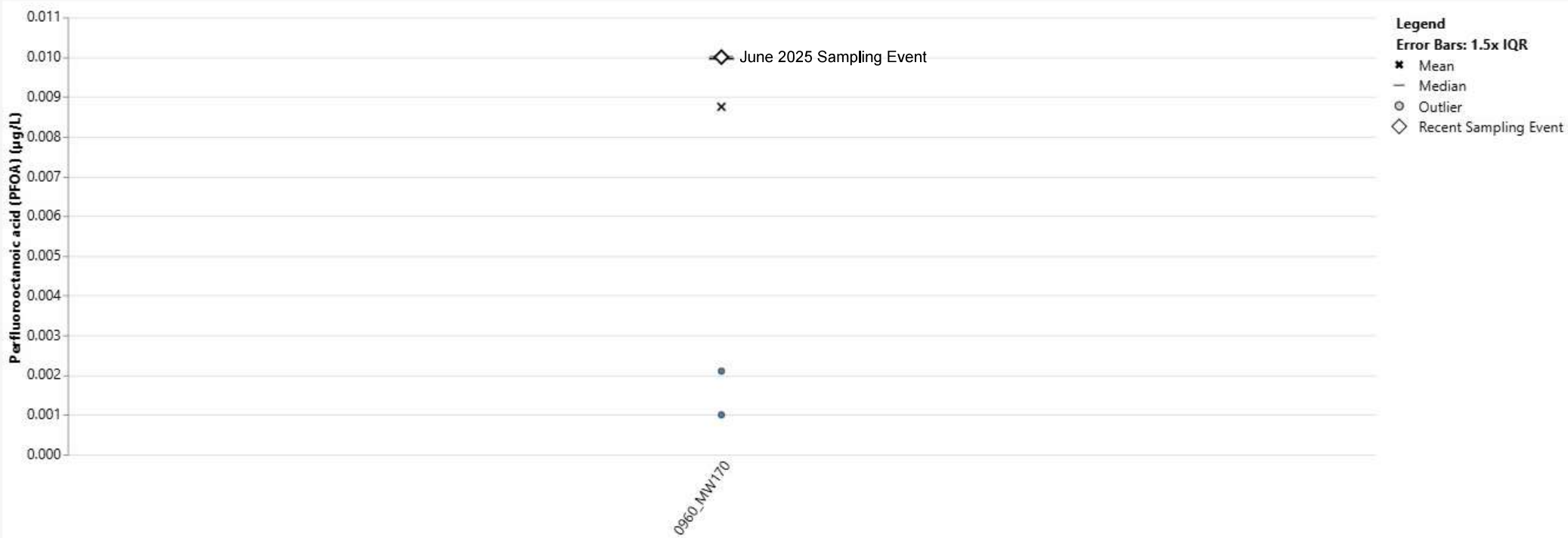


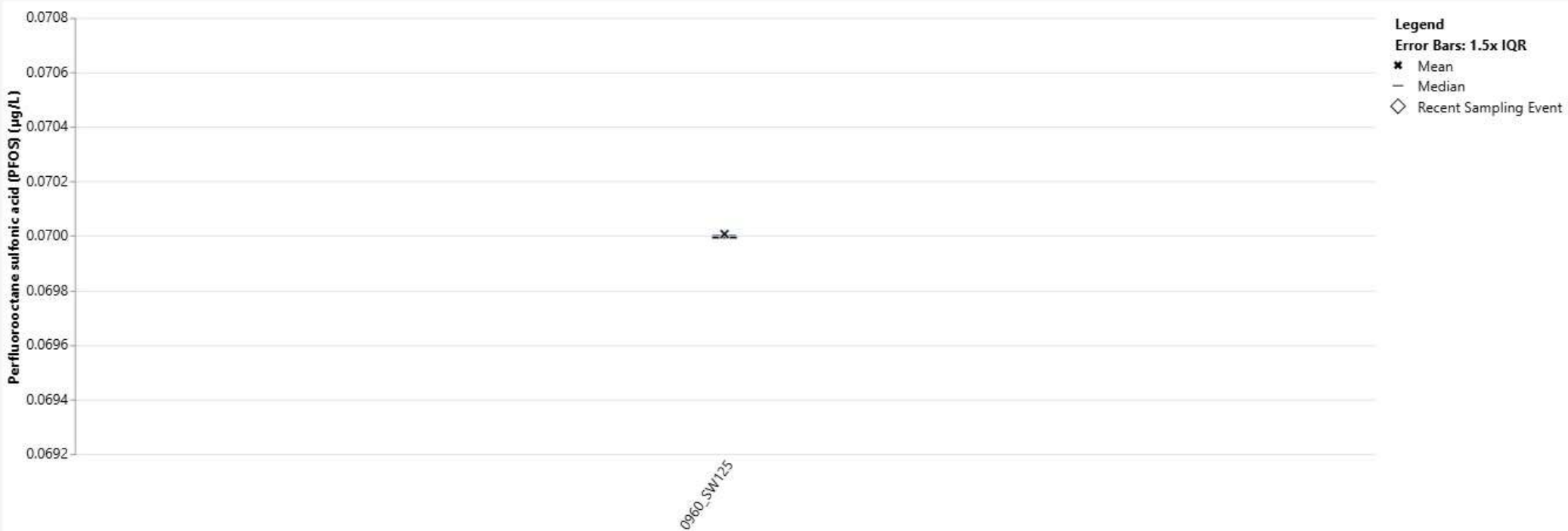




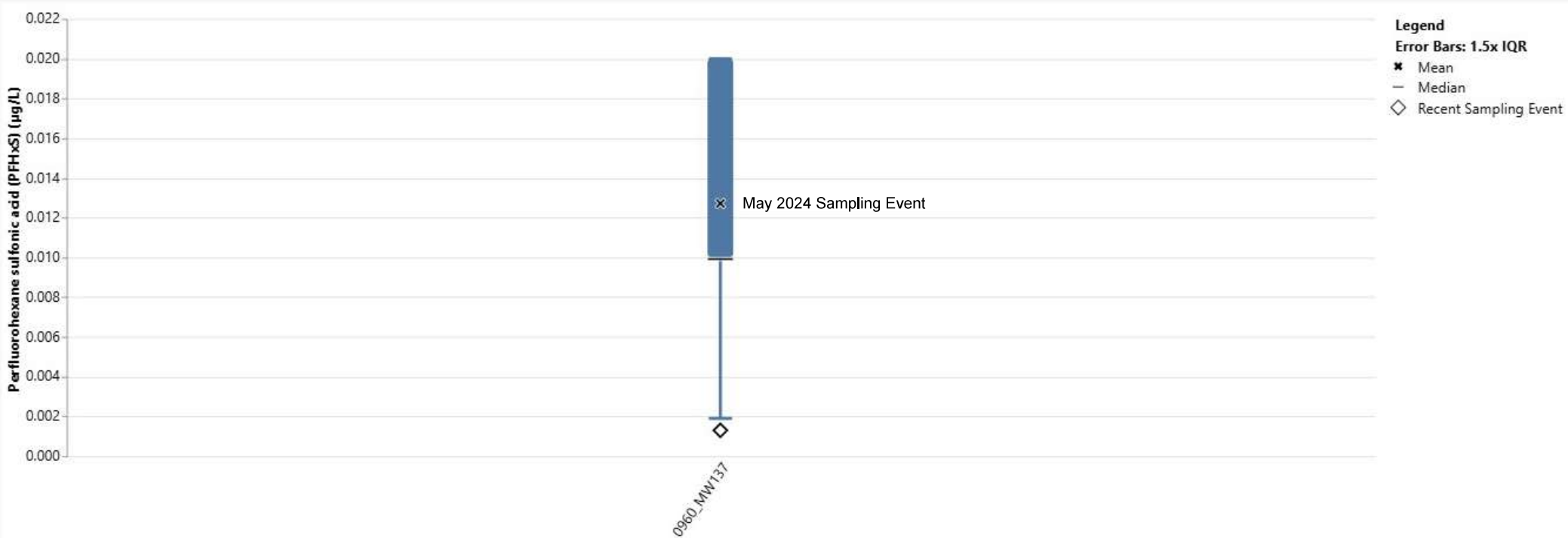


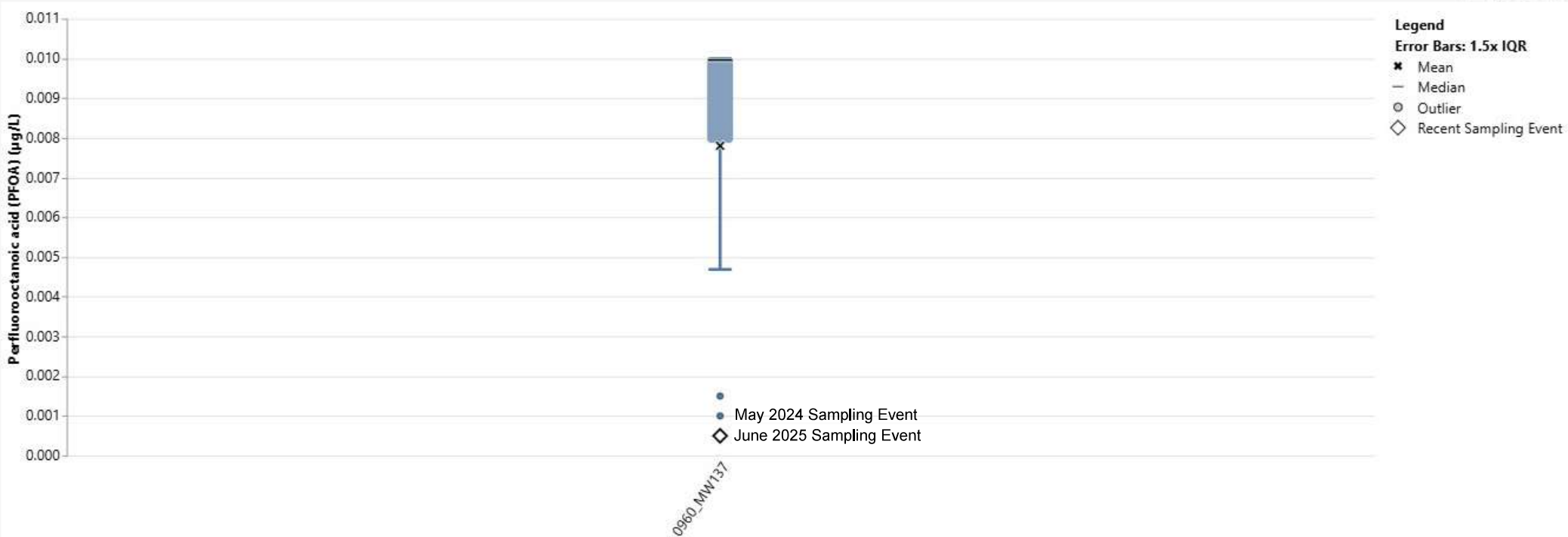


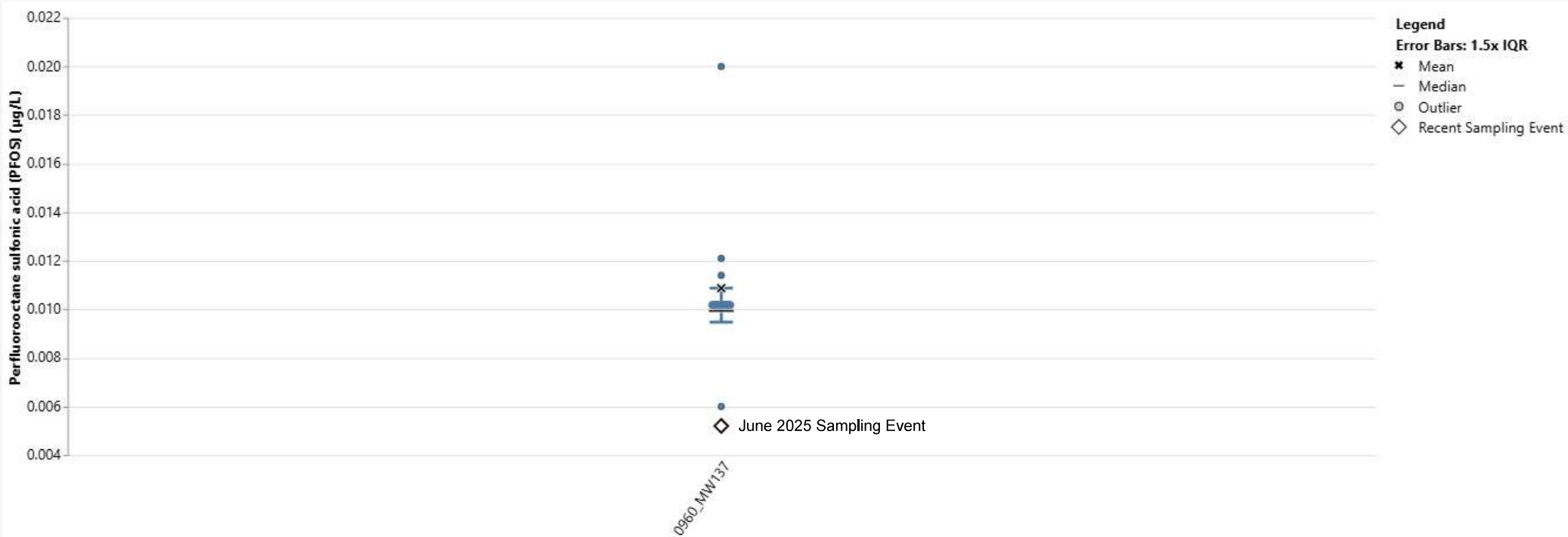


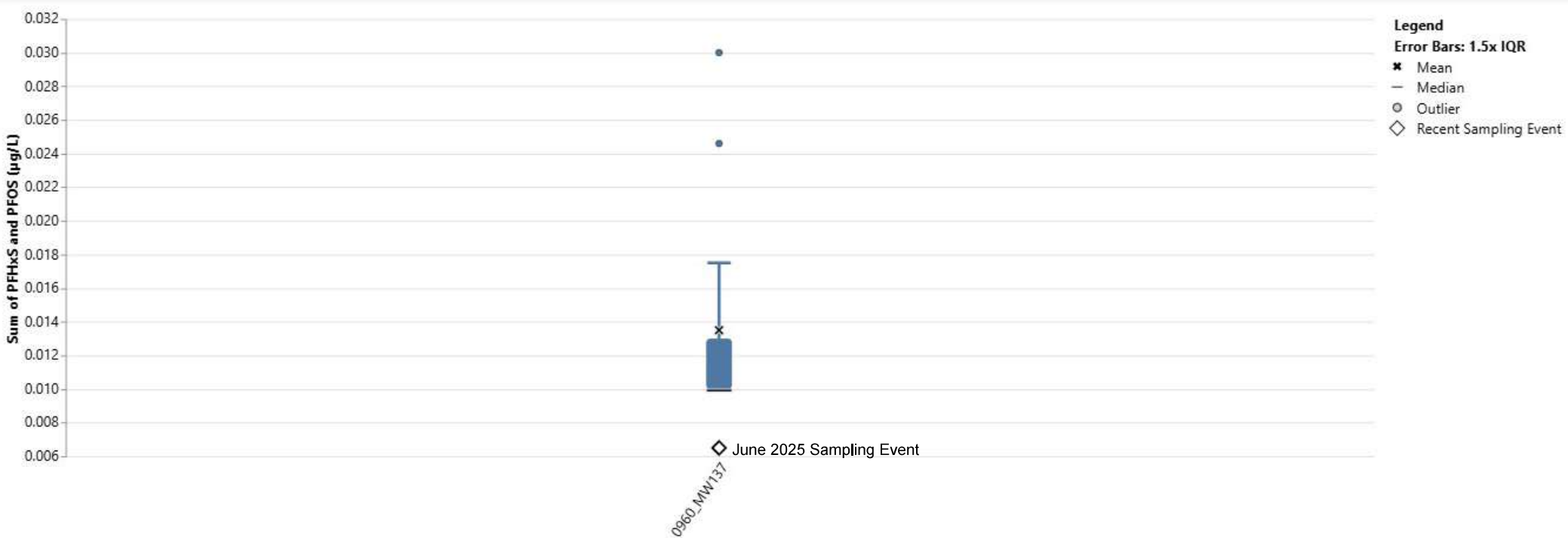


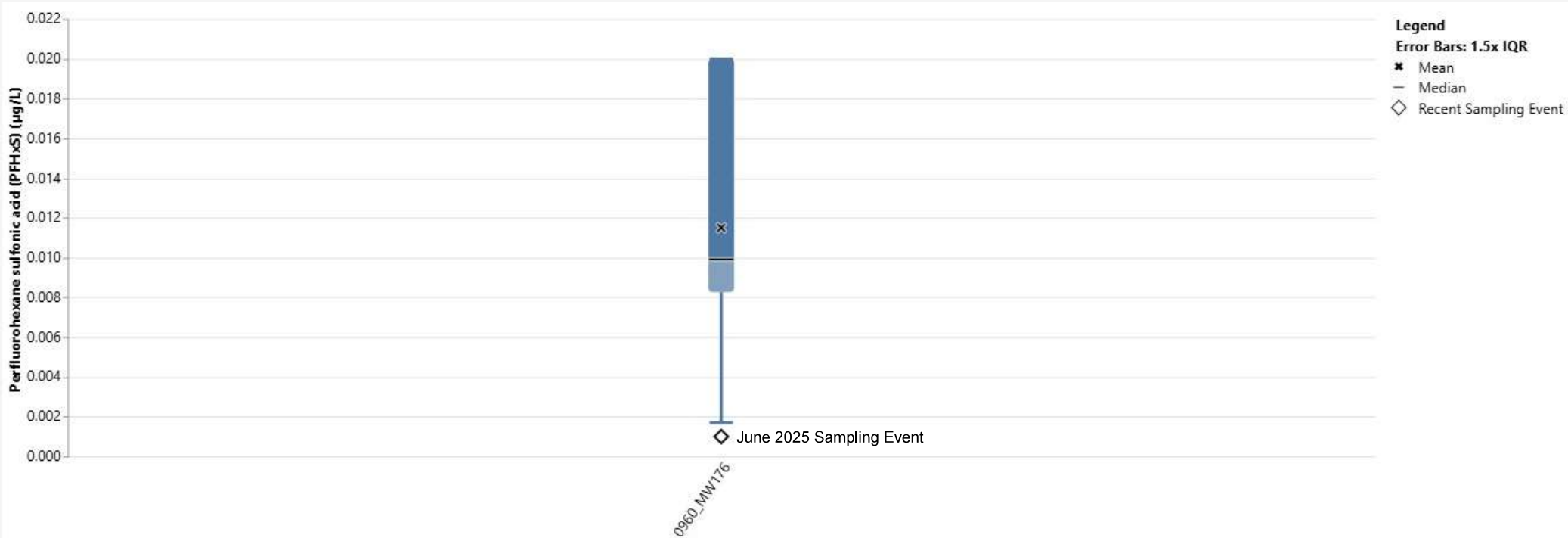


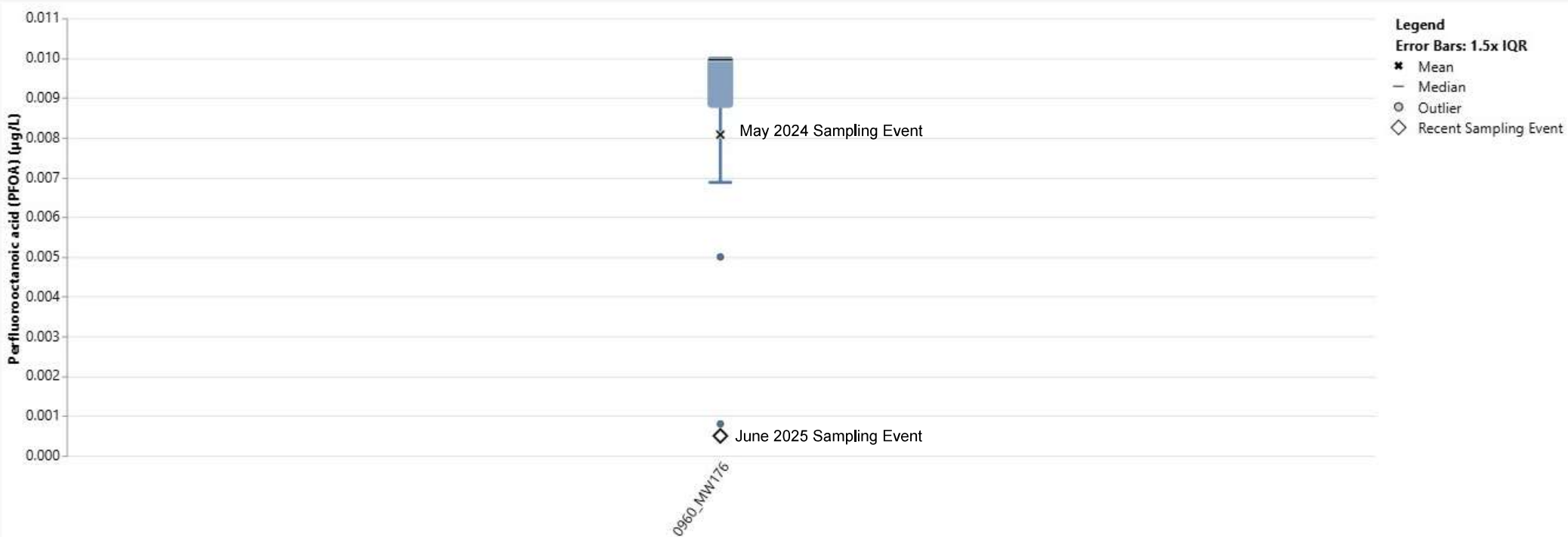
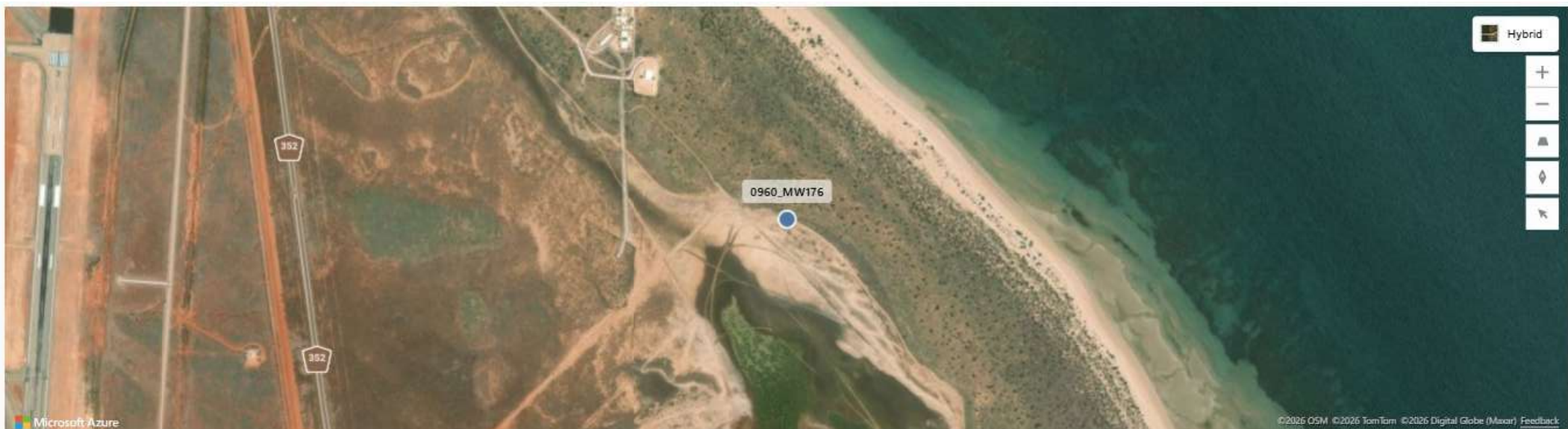


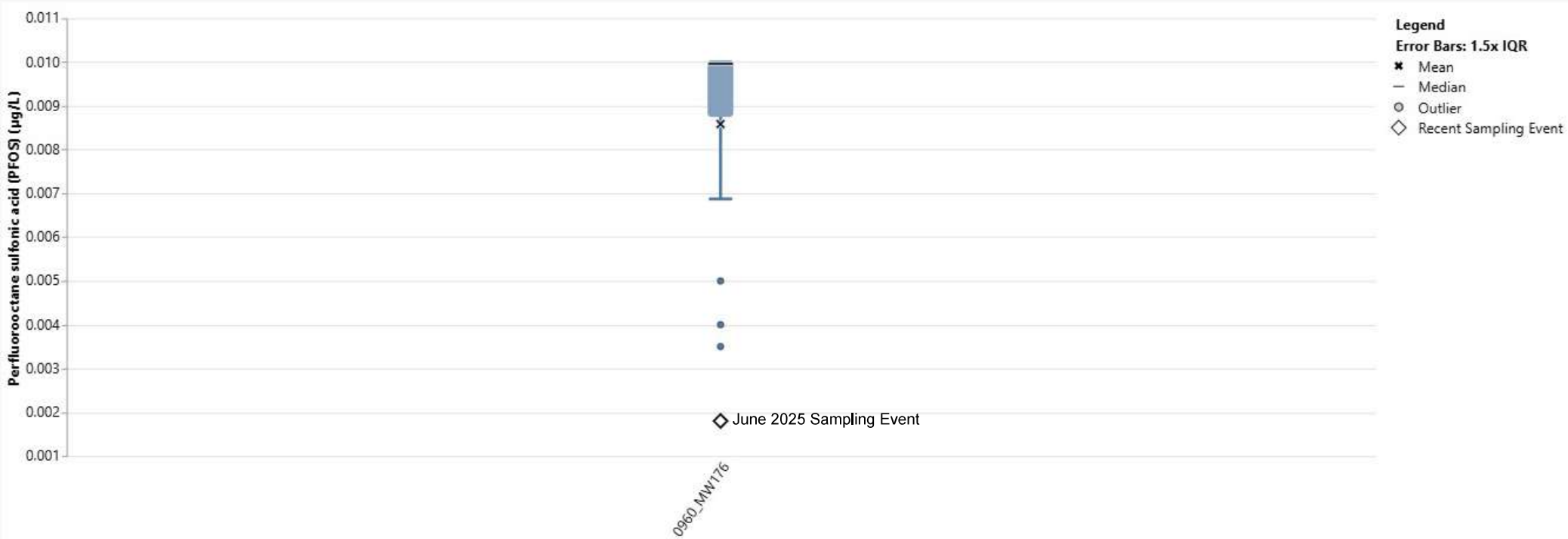


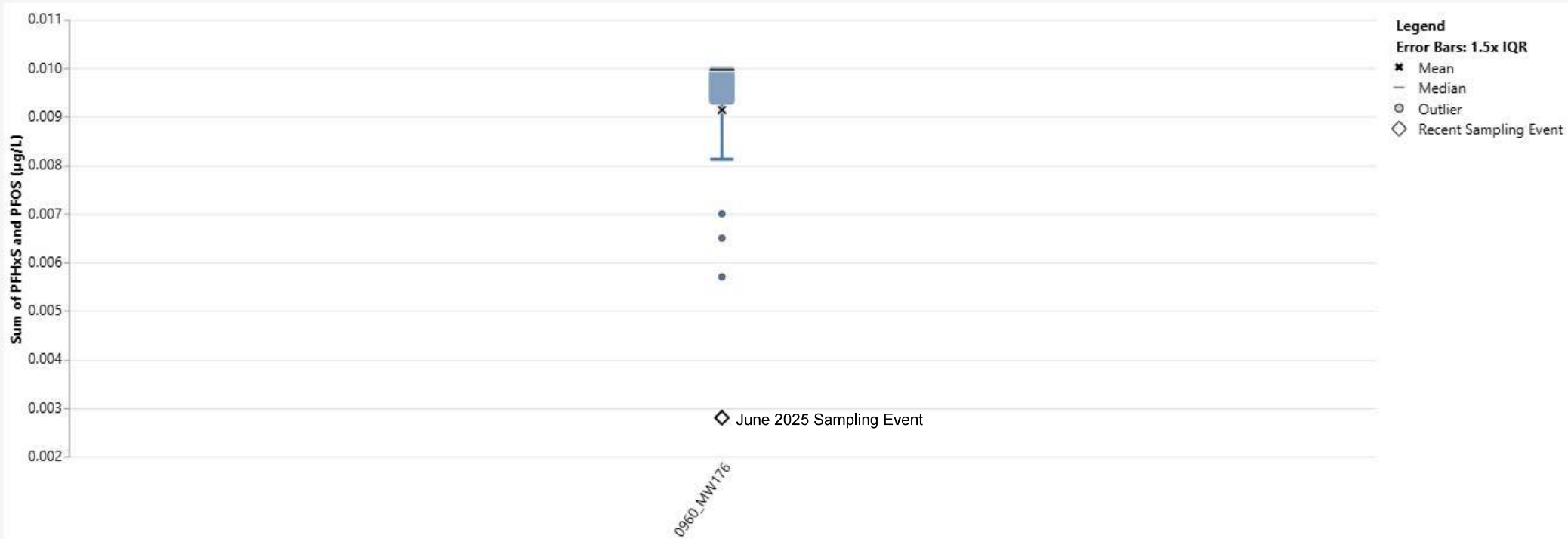


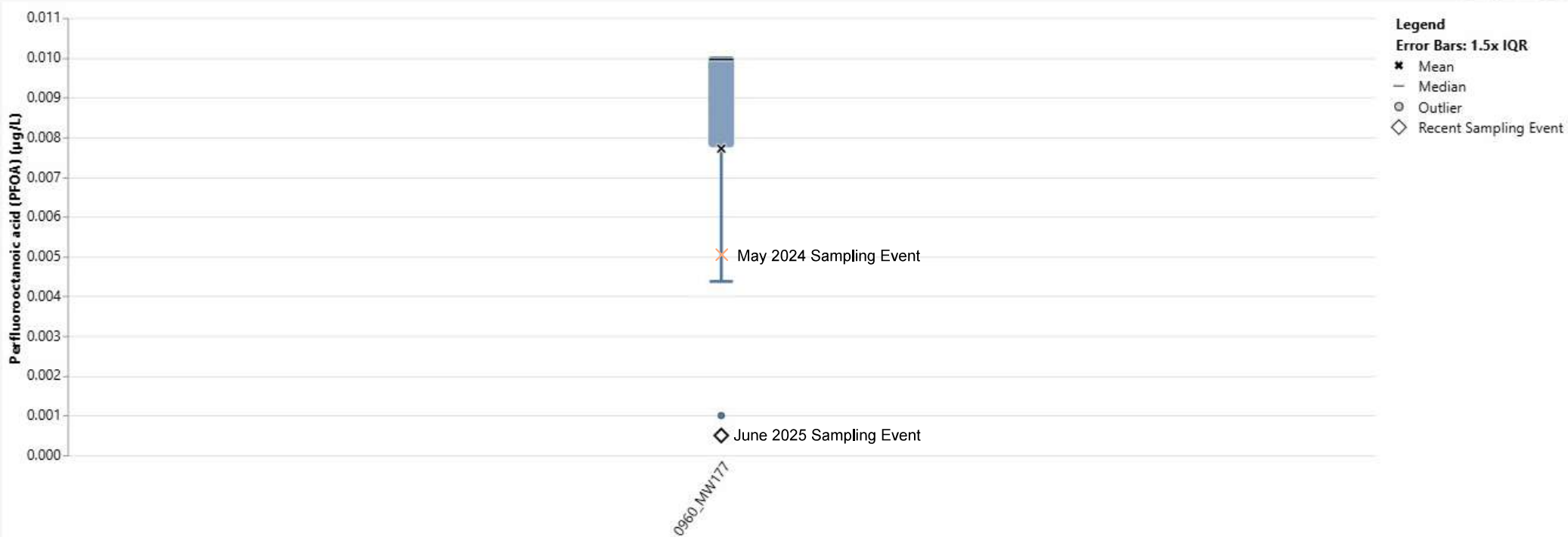


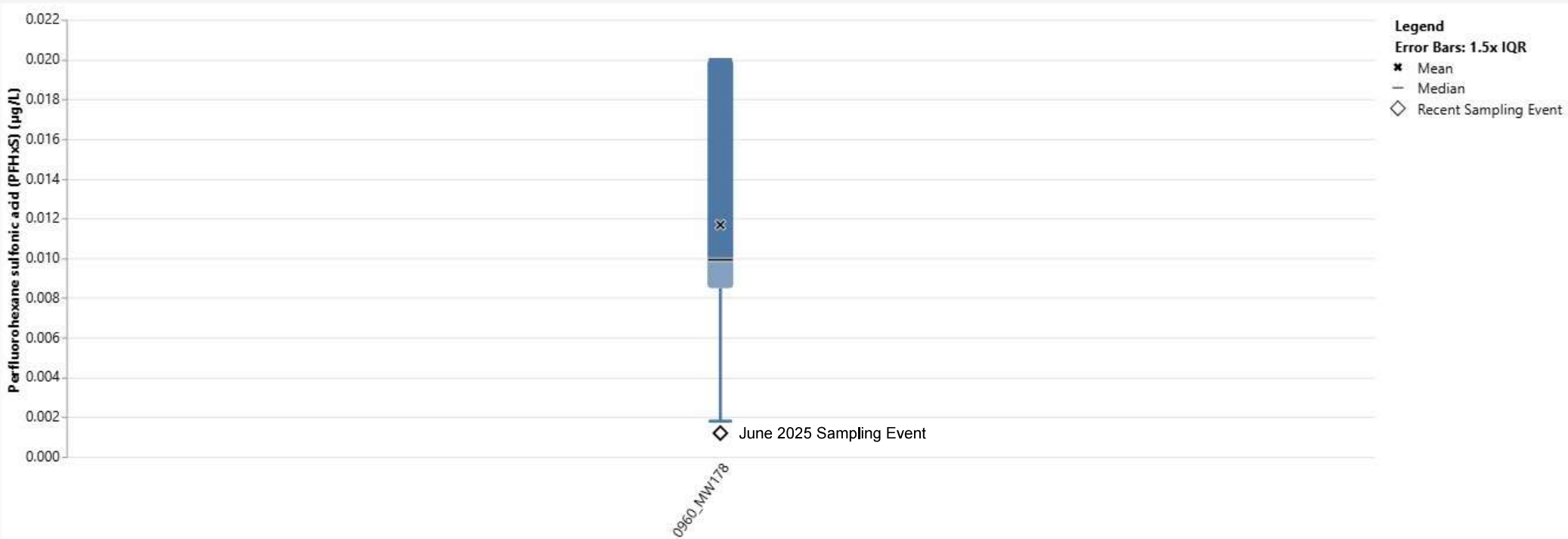


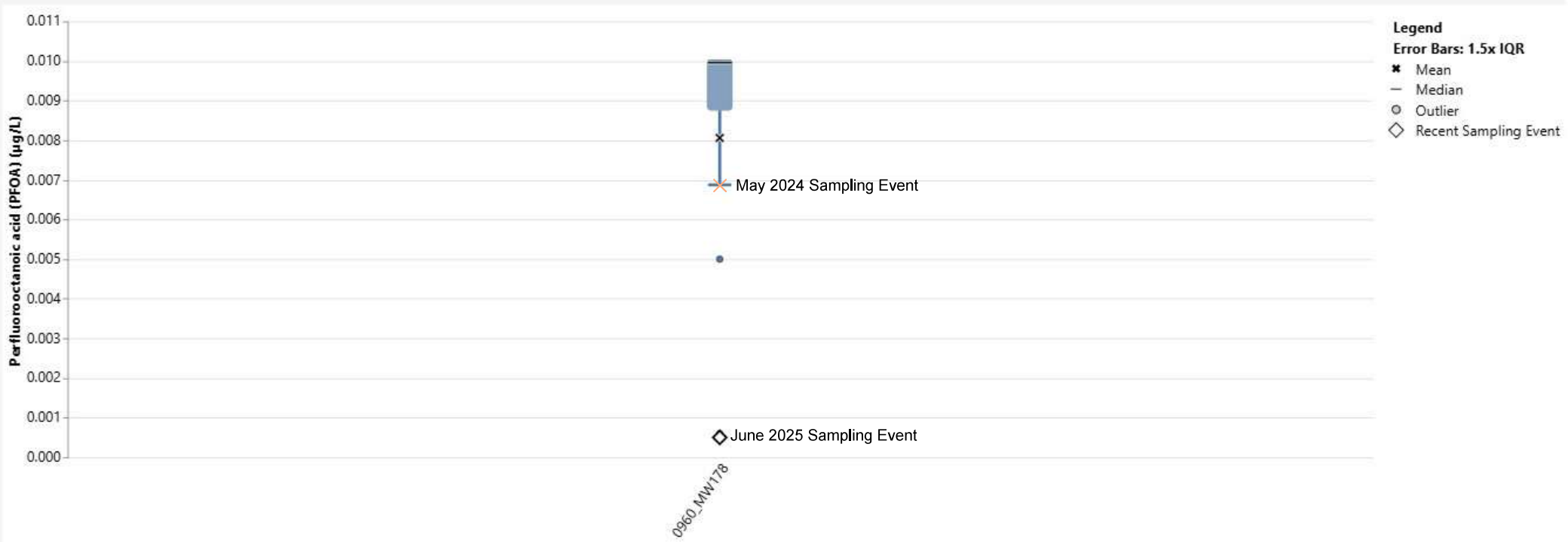


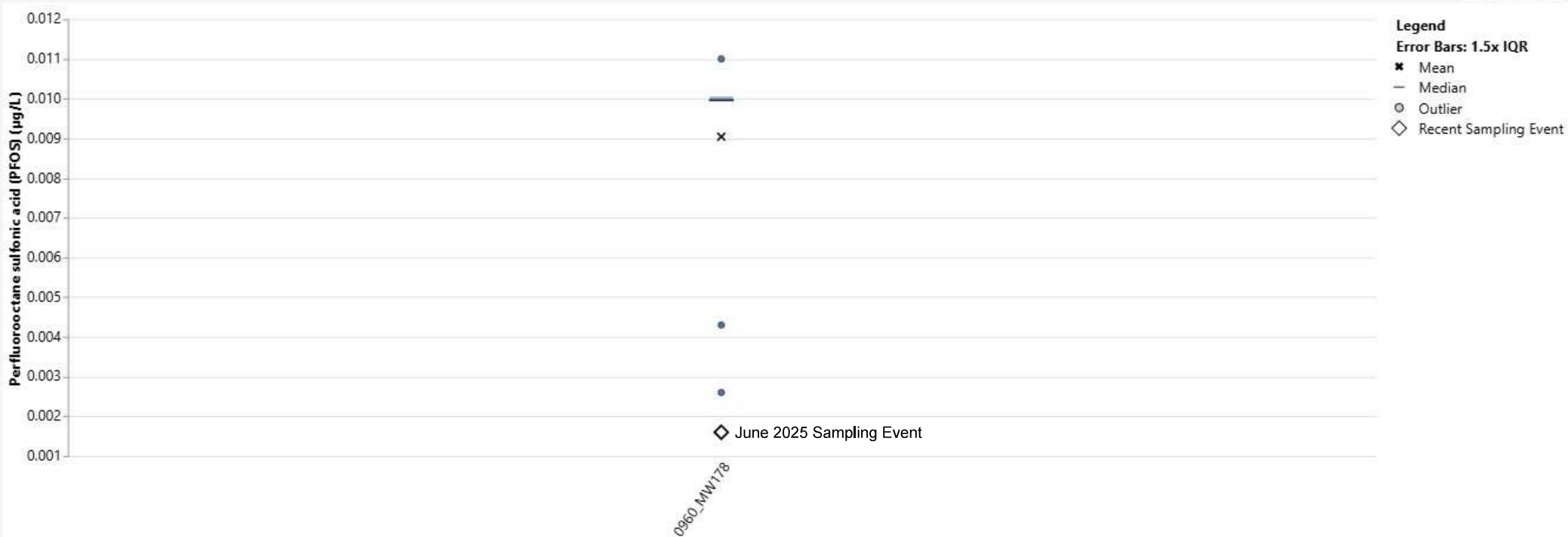


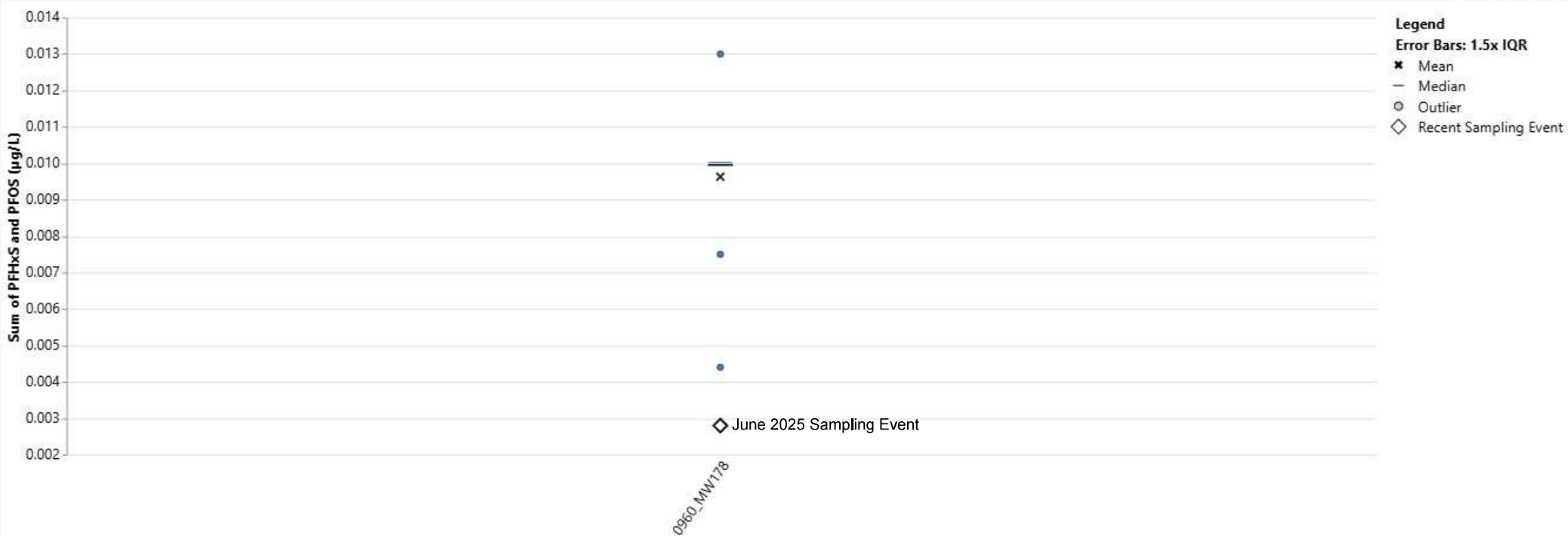


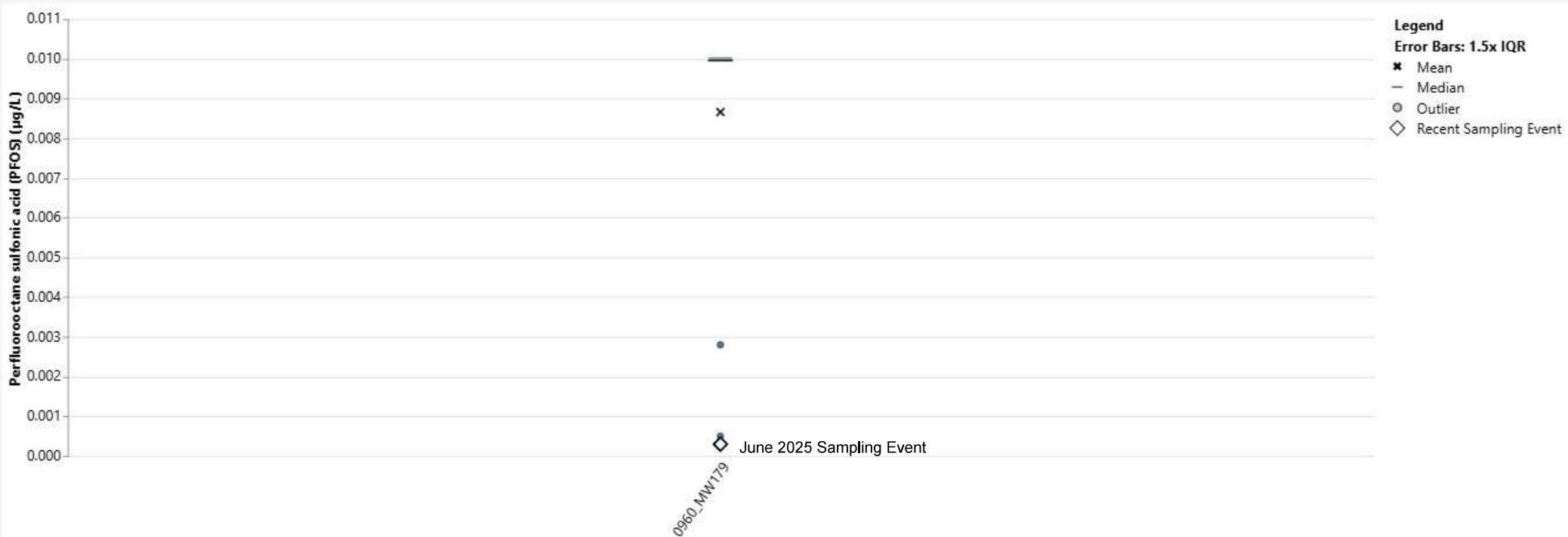


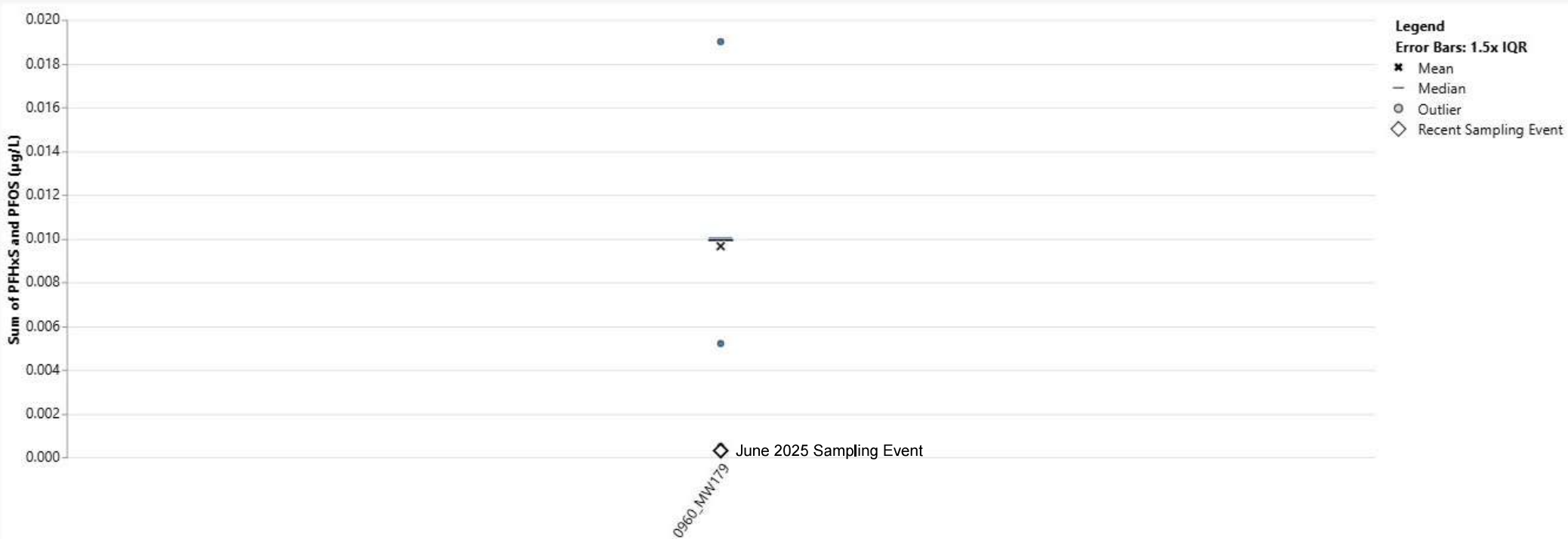


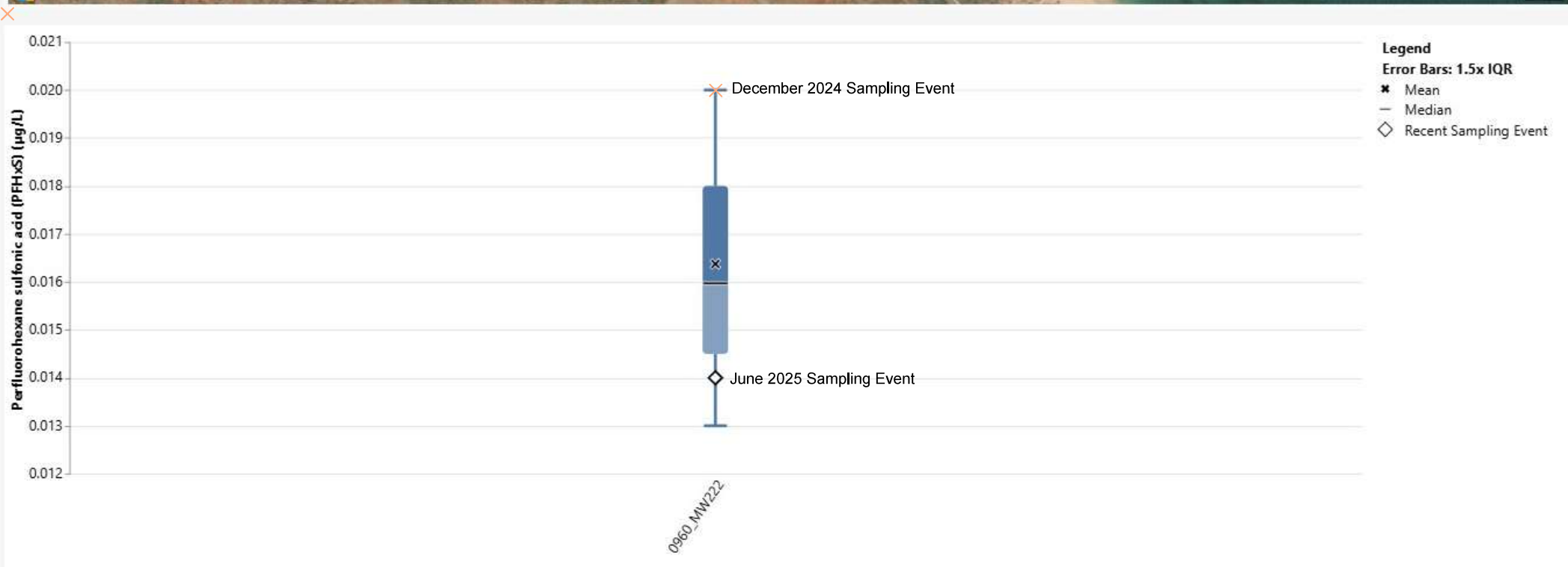
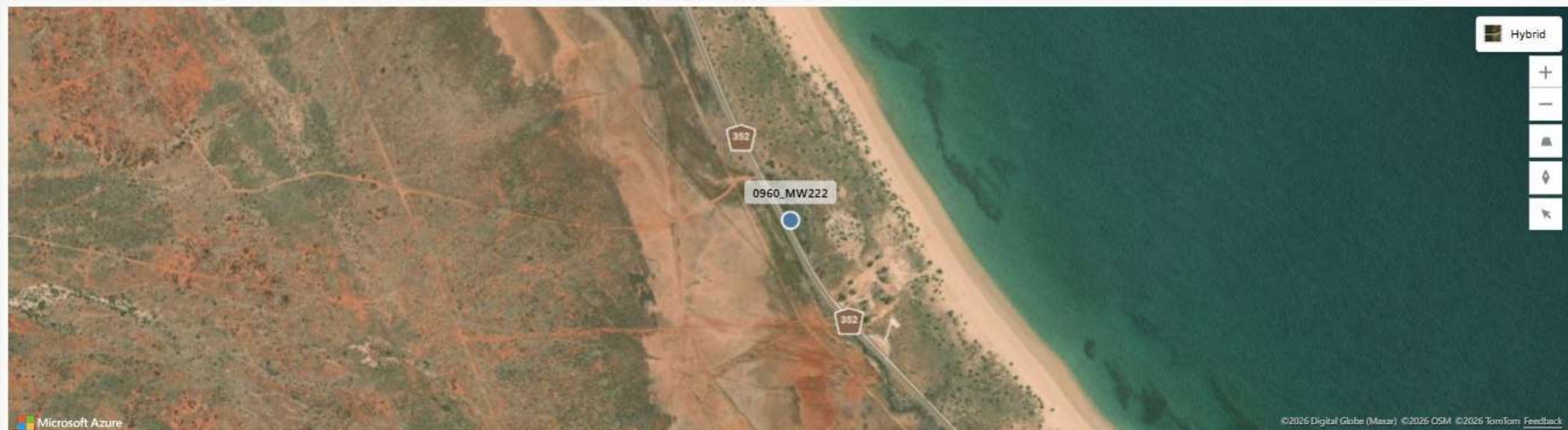


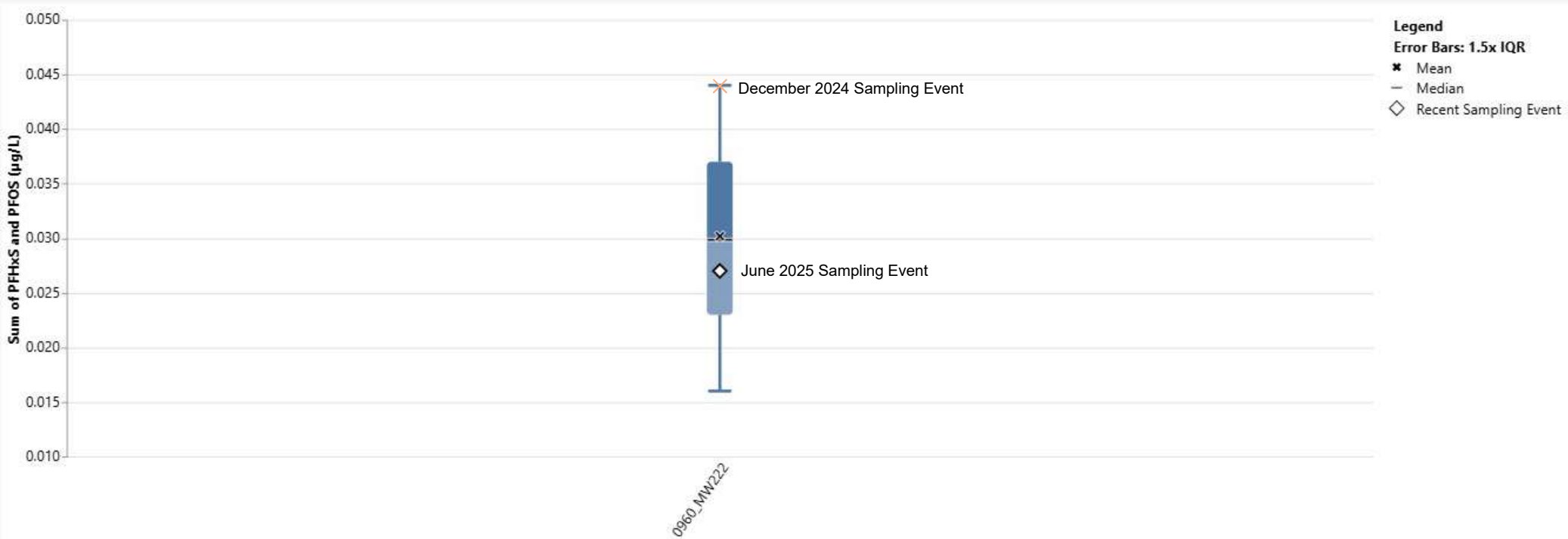
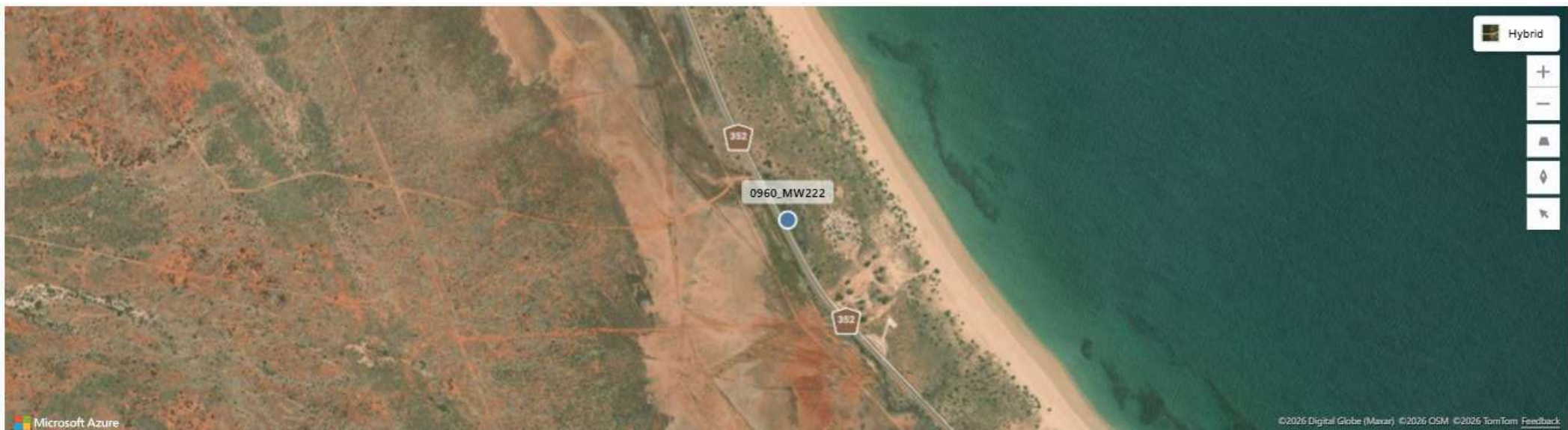


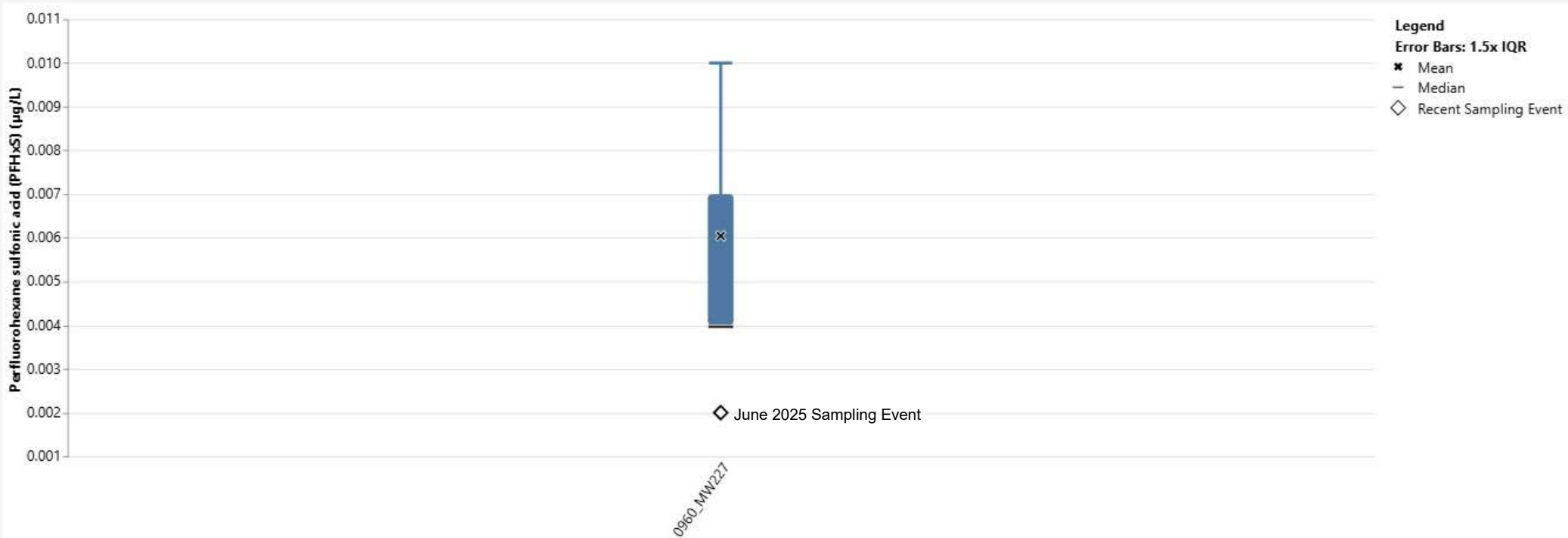
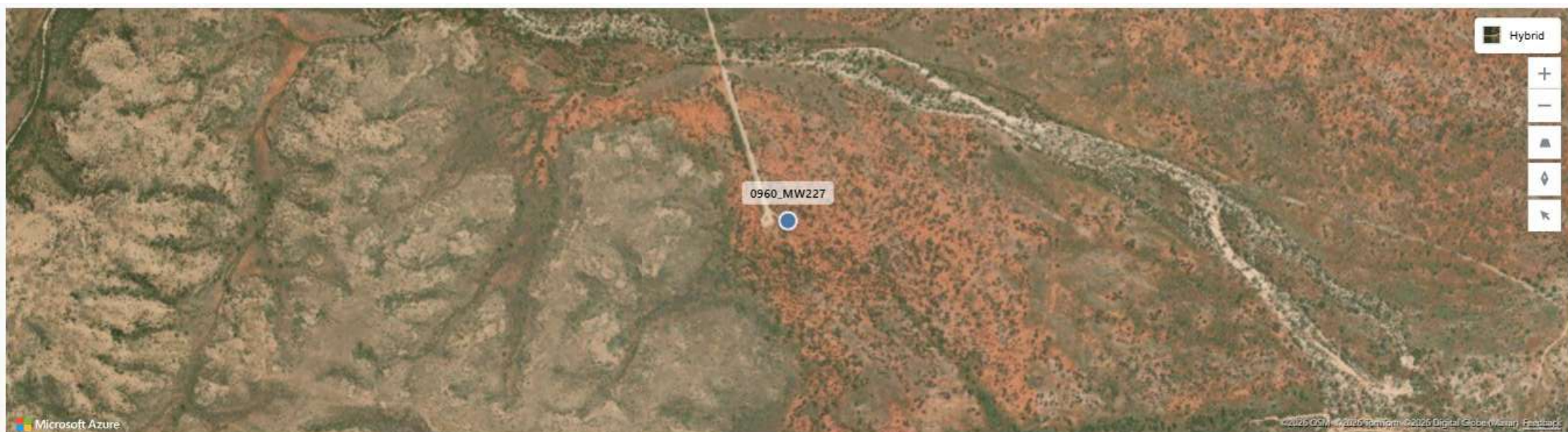


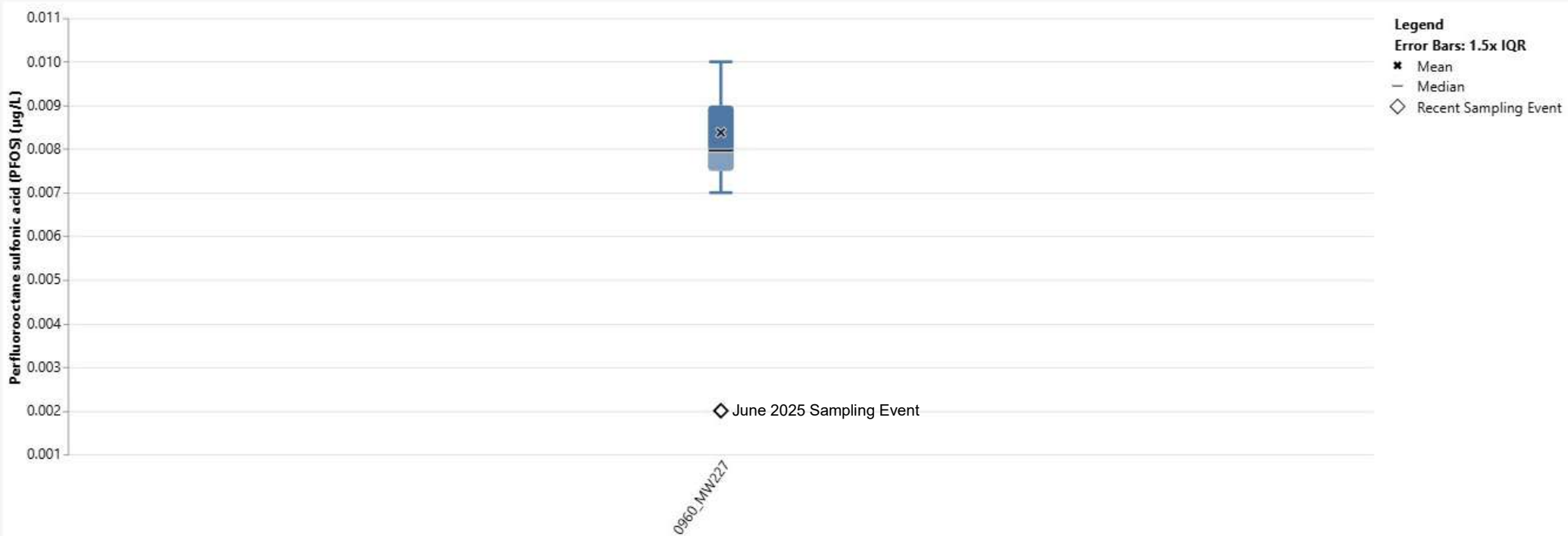
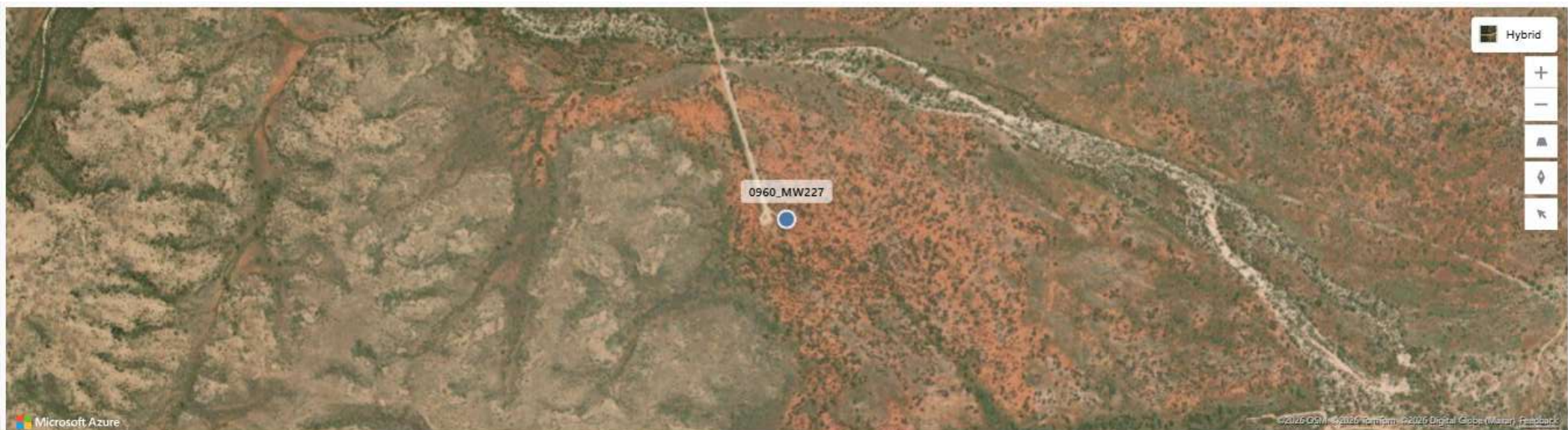


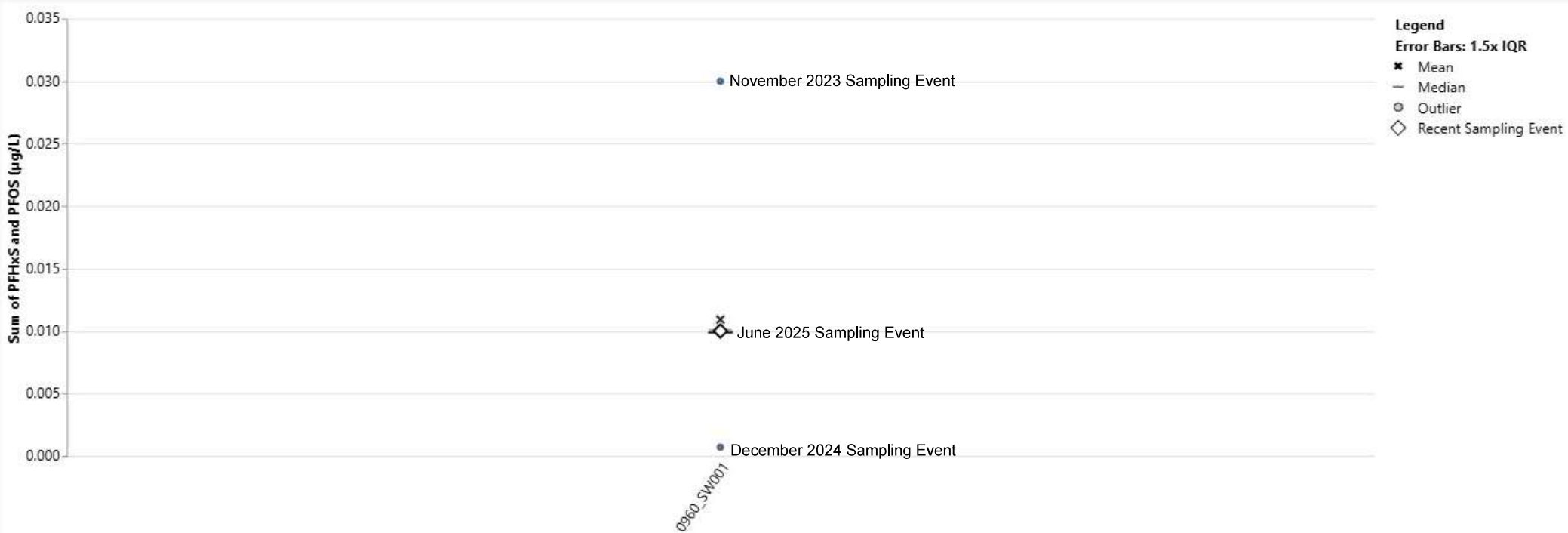
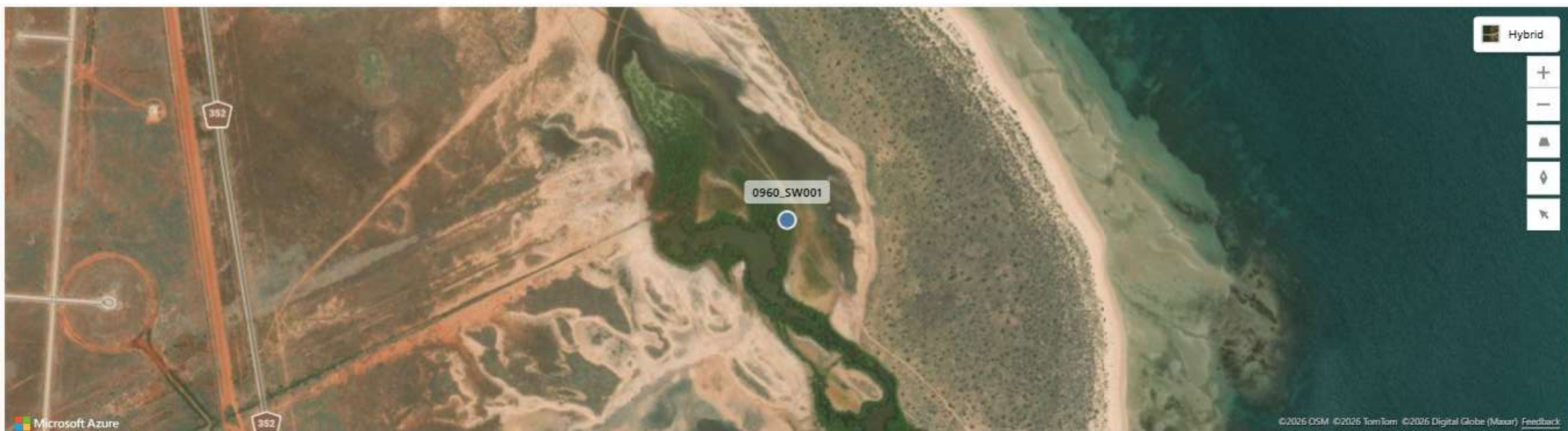


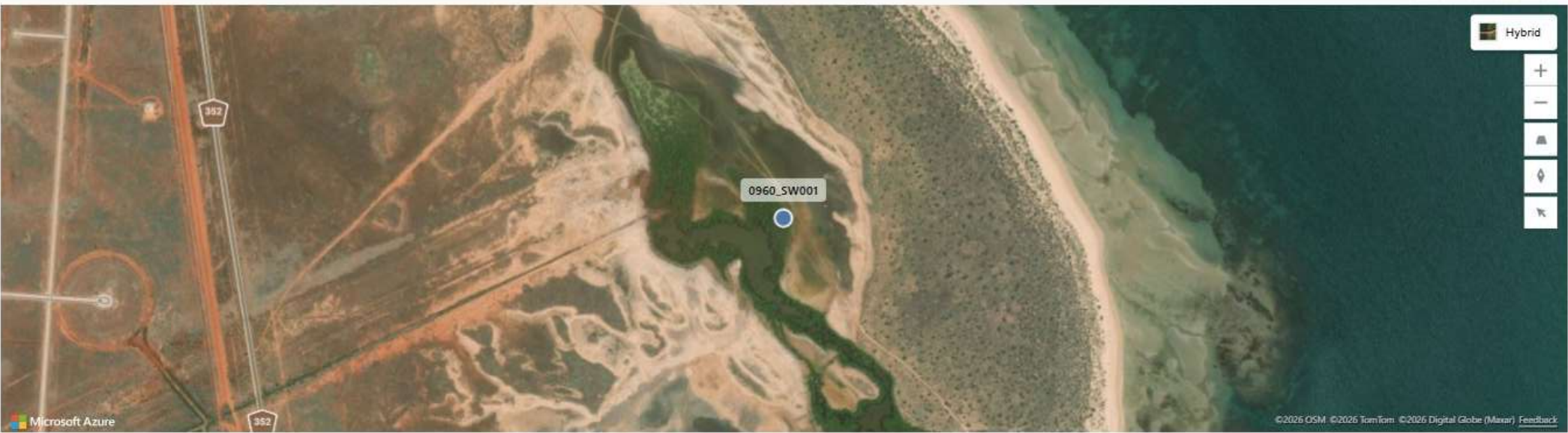


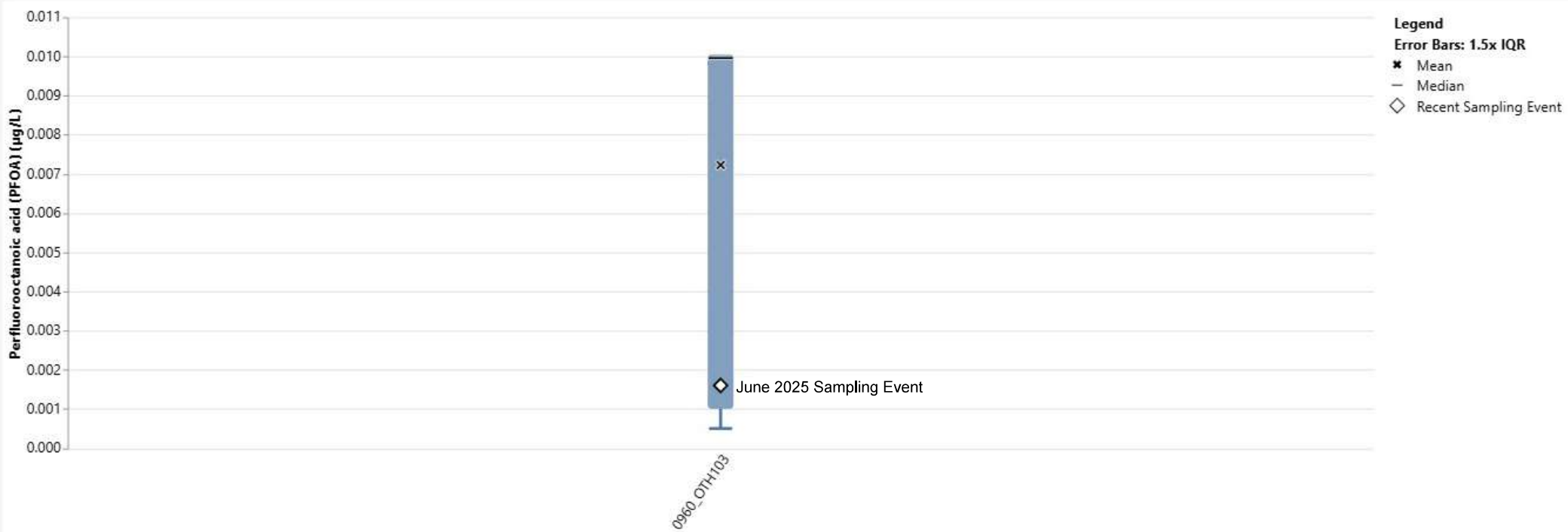
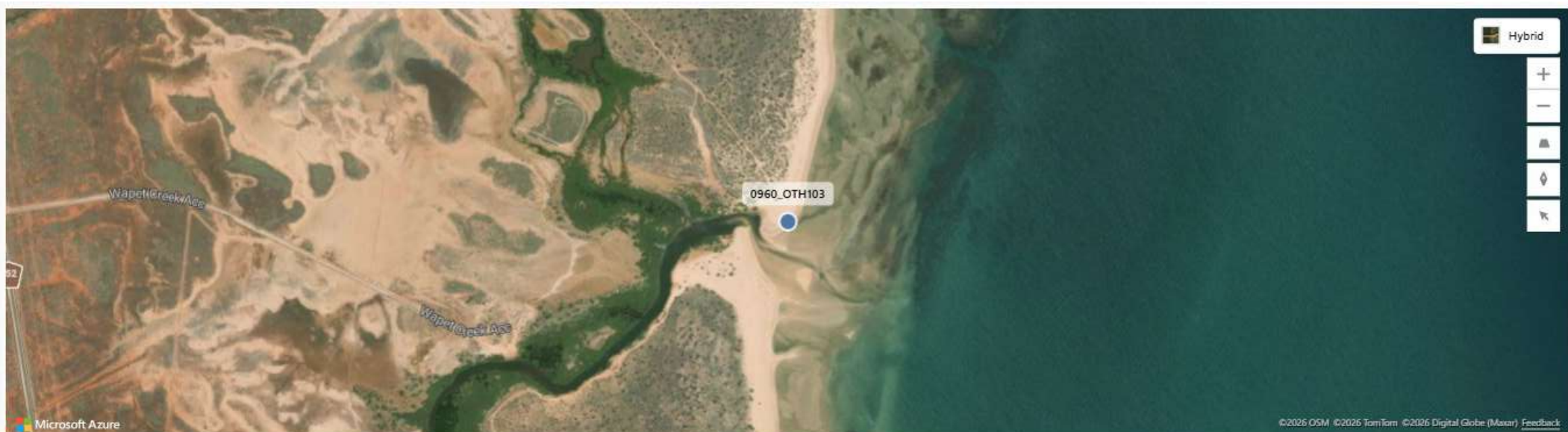


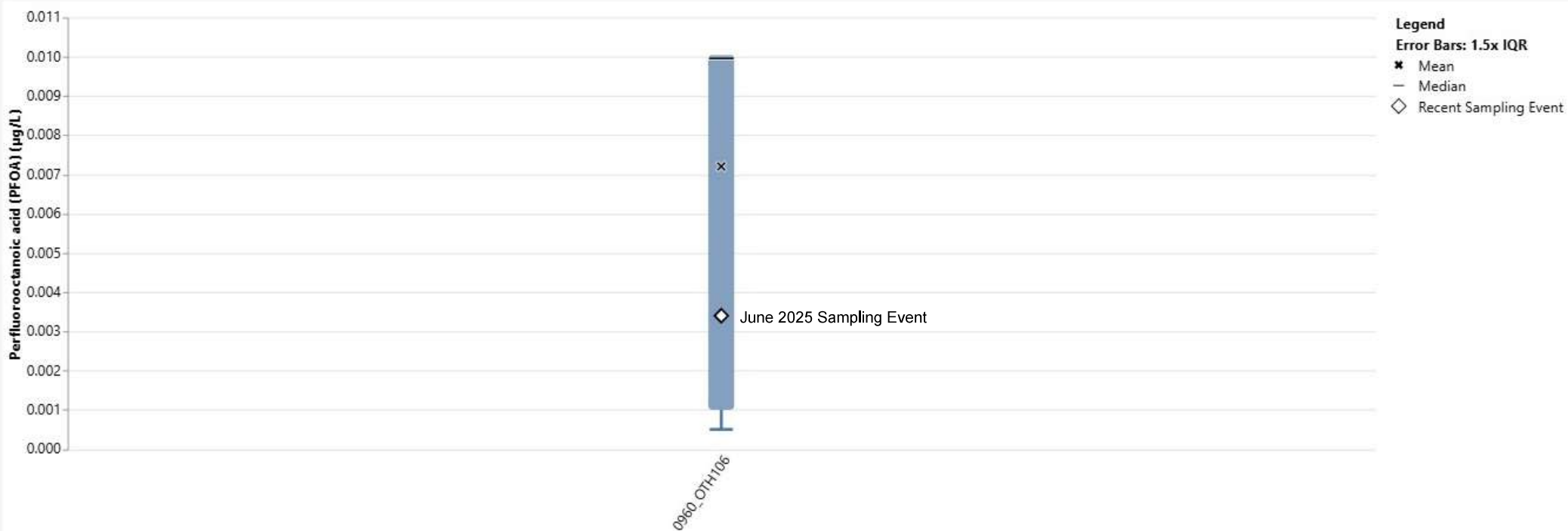
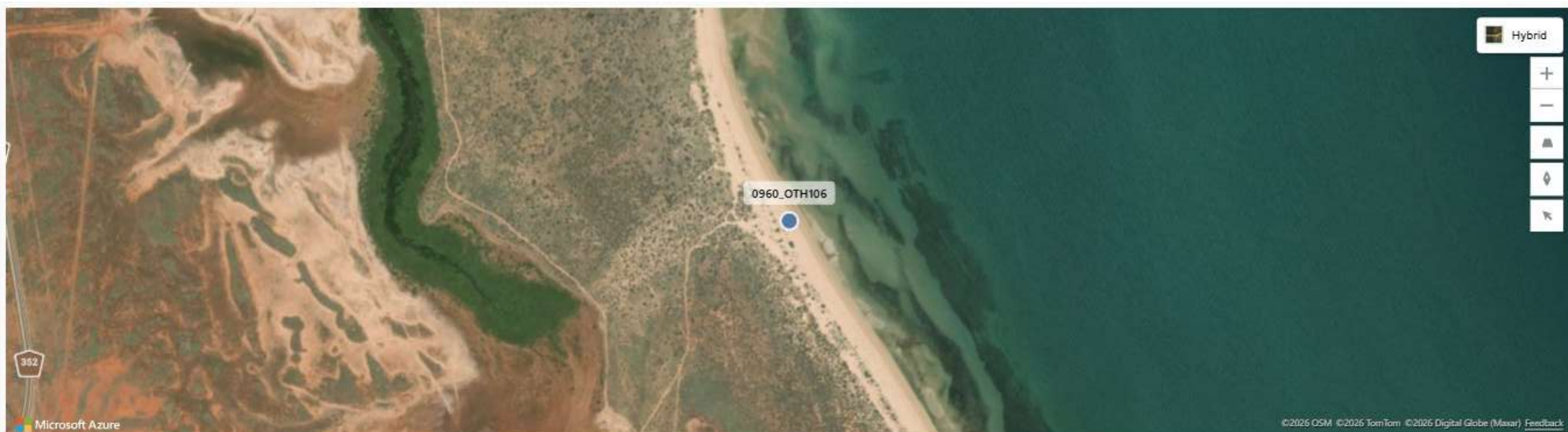


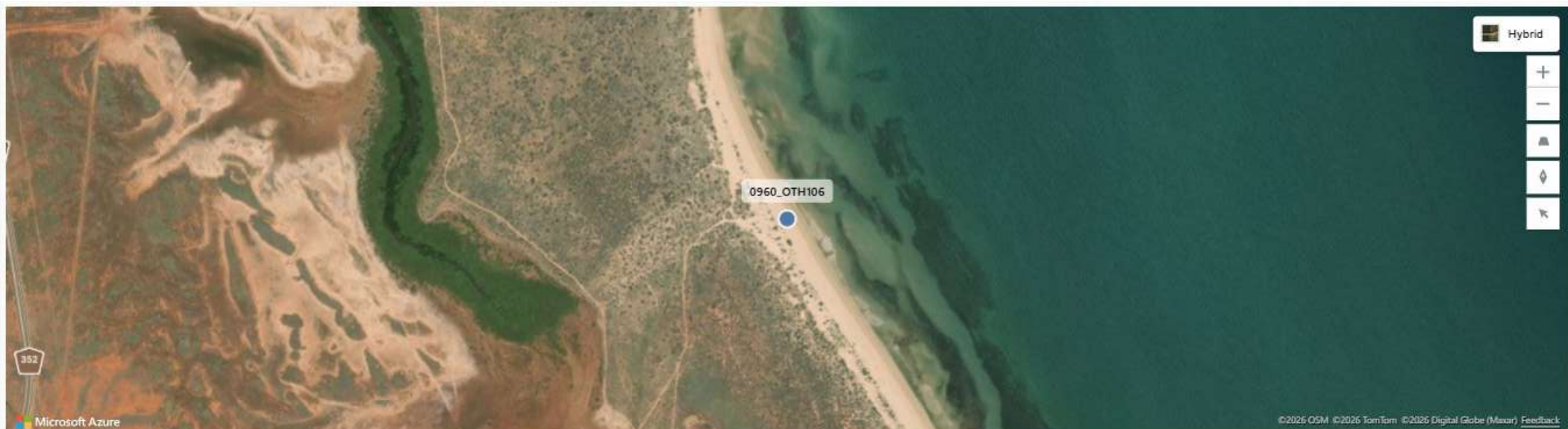












Appendix G

Trend assessment summary (water)

General information																			Linear regression		Mann-Kendall		Coefficient of Variation (CV)	Consistent or variable?	Average Result	Median Result	Std Deviation	Unit
Chemical	Media	Location Code	# Sampling Events	# Results	% Detects	Any Detects (Y/N)	Date Latest Sample	Date First Detect	Is Latest Result First Detect? (Y/N)	Highest Result	Date of Highest Result (Detects Only)	Is Latest Result Highest? (Detects Only)	Lowest Result	Date of Lowest Result (Detects & Non-Detects)	Is Latest Result Lowest? (Detects & Non-Detects)	Is Latest First Exceedance? (Detects Only)	Most Recent Is Detect? (Y/N)	R² of Trend	Mann-Kendall p-Value	Mann-Kendall Trend								
Maintenance Area																												
Perfluorohexane sulfonic acid (PFHxS)	Groundwater	0960_MW018	14	16	93%	Y	2025-06-23	2018-03-06	N	2.1	2018-06-10	N	0.02	2019-11-26	N	N	Y	0.1532	0.0399	Decreasing	-	-	1.117143	1.105	0.4808	µg/L		
Perfluorooctane sulfonic acid (PFOS)	Groundwater	0960_MW018	22	24	95%	Y	2025-06-23	2010-09-18	N	2.5	2016-12-03	N	0.01	2019-11-26	N	N	Y	0.	0.3158	No Trend	0.83	Consistent	0.643636	0.555	0.5351	µg/L		
Perfluorooctanoic acid (PFOA)	Groundwater	0960_MW018	22	24	77%	Y	2025-06-23	2010-09-18	N	0.65	2025-06-23	Y	0.01	2019-11-26	N	N	Y	0.2875	0.0001	Increasing	-	-	0.116727	0.069	0.1633	µg/L		
Sum of PFHxS and PFOS	Groundwater	0960_MW018	12	14	92%	Y	2025-06-23	2020-06-24	N	2.46	2021-11-25	N	0.01	2019-11-26	N	N	Y	0.0361	0.4727	No Trend	0.40	Consistent	1.564167	1.565	0.6199	µg/L		
Perfluorohexane sulfonic acid (PFHxS)	Groundwater	0960_MW021	13	15	100%	Y	2025-06-23	2018-03-06	N	1.2	2025-06-23	Y	0.26	2018-03-06	N	N	Y	0.5001	0.0120	Increasing	-	-	0.828462	0.91	0.2944	µg/L		
Perfluorooctane sulfonic acid (PFOS)	Groundwater	0960_MW021	21	23	86%	Y	2025-06-23	2013-11-08	N	0.68	2023-11-08	N	0.01	2016-03-15	N	N	Y	0.6829	0.0000	Increasing	-	-	0.248095	0.21	0.2102	µg/L		
Perfluorooctanoic acid (PFOA)	Groundwater	0960_MW021	21	23	67%	Y	2025-06-23	2014-03-23	N	0.02	2014-03-23	N	0.003	2018-06-10	N	N	Y	0.01	0.2790	No Trend	0.37	Consistent	0.016048	0.02	0.006	µg/L		
Sum of PFHxS and PFOS	Groundwater	0960_MW021	11	13	100%	Y	2025-06-23	2019-11-26	N	1.77	2025-06-23	Y	0.68	2021-06-23	N	N	Y	0.306	0.0309	Increasing	-	-	1.327273	1.36	0.3167	µg/L		
Perfluorohexane sulfonic acid (PFHxS)	Groundwater	0960_MW112	14	16	100%	Y	2025-06-23	2018-03-08	N	0.64	2018-03-08	N	0.35	2025-06-23	Y	N	Y	0.7108	0.0003	Decreasing	-	-	0.480714	0.43	0.101	µg/L		
Perfluorooctane sulfonic acid (PFOS)	Groundwater	0960_MW112	14	16	100%	Y	2025-06-23	2018-03-08	N	1.1	2018-03-08	N	0.44	2025-06-23	Y	N	Y	0.3856	0.0036	Decreasing	-	-	0.654286	0.625	0.1764	µg/L		
Perfluorooctanoic acid (PFOA)	Groundwater	0960_MW112	14	16	79%	Y	2025-06-23	2018-03-08	N	0.02	2018-03-08	N	0.01	2020-06-25	N	N	N	0.2373	0.0180	Decreasing	-	-	0.015714	0.01	0.0109	µg/L		
Sum of PFHxS and PFOS	Groundwater	0960_MW112	13	15	100%	Y	2025-06-23	2018-03-08	N	1.7	2018-03-08	N	0.79	2025-06-23	Y	N	Y	0.5994	0.0013	Decreasing	-	-	1.122308	1.05	0.2606	µg/L		
Perfluorohexane sulfonic acid (PFHxS)	Groundwater	0960_MW113	14	16	14%	Y	2025-06-23	2018-03-06	N	0.001	2018-03-06	N	0.001	2018-03-06	N	N	N	0.0044	0.3317	No Trend	0.55	Consistent	0.011571	0.01	0.0064	µg/L		
Perfluorooctane sulfonic acid (PFOS)	Groundwater	0960_MW113	14	16	14%	Y	2025-06-23	2018-03-06	N	0.001	2018-03-06	N	0.001	2018-06-14	N	N	N	0.4731	0.0228	Increasing	-	-	0.008786	0.01	0.0031	µg/L		
Perfluorooctanoic acid (PFOA)	Groundwater	0960_MW113	14	16	0%	N	2025-06-23		N			N	0.001	2018-03-06	N	N	N	0.0179	0.477	No Trend	0.38	Consistent	0.008714	0.01	0.0033	µg/L		
Sum of PFHxS and PFOS	Groundwater	0960_MW113	13	15	8%	Y	2025-06-23	2018-06-14	N	0.002	2018-06-14	N	0.002	2018-06-14	N	N	N	0.3157	0.0708	No Trend	0.24	Consistent	0.009385	0.01	0.0022	µg/L		
Perfluorohexane sulfonic acid (PFHxS)	Groundwater	0960_MW114	14	16	14%	Y	2025-06-23	2018-03-06	N	0.002	2018-06-10	N	0.002	2018-03-06	N	N	N	0.0023	0.3548	No Trend	0.54	Consistent	0.011643	0.01	0.0062	µg/L		
Perfluorooctane sulfonic acid (PFOS)	Groundwater	0960_MW114	14	16	14%	Y	2025-06-23	2018-03-06	N	0.002	2018-03-06	N	0.002	2018-03-06	N	N	N	0.4773	0.0179	Increasing	-	-	0.008857	0.01	0.0029	µg/L		
Perfluorooctanoic acid (PFOA)	Groundwater	0960_MW114	14	16	0%	N	2025-06-23		N			N	0.001	2018-03-06	N	N	N	0.4773	0.0179	No Trend	0.38	Consistent	0.008714	0.01	0.0033	µg/L		
Sum of PFHxS and PFOS	Groundwater	0960_MW114	12	14	0%	N	2025-06-23		N			N	0.01	2019-11-26	N	N	N	0.	0.5000	No Trend	0.00	Consistent	0.01	0.01	0.	µg/L		
Perfluorohexane sulfonic acid (PFHxS)	Groundwater	0960_MW115	14	16	100%	Y	2025-06-25	2018-03-07	N	1.81	2024-12-12	N	0.16	2018-03-07	N	N	Y	0.8902	0.0000	Increasing	-	-	1.050714	1.365	0.5781	µg/L		
Perfluorooctane sulfonic acid (PFOS)	Groundwater	0960_MW115	14	16	100%	Y	2025-06-25	2018-03-07	N	0.46	2023-06-28	N	0.02	2018-03-07	N	N	Y	0.8746	0.0000	Increasing	-	-	0.237929	0.28	0.1727	µg/L		
Perfluorooctanoic acid (PFOA)	Groundwater	0960_MW115	14	16	86%	Y	2025-06-25	2018-03-07	N	0.05	2025-06-25	Y	0.002	2018-03-07	N	N	Y	0.945	0.0000	Increasing	-	-	0.025286	0.03	0.0161	µg/L		
Sum of PFHxS and PFOS	Groundwater	0960_MW115	12	14	100%	Y	2025-06-25	2019-11-29	N	2.22	2024-12-12	N	0.39	2020-11-19	N	N	Y	0.8477	0.0001	Increasing	-	-	1.471667	1.69	0.6297	µg/L		
Perfluorohexane sulfonic acid (PFHxS)	Groundwater	0960_MW162	13	15	100%	Y	2025-06-23	2018-06-15	N	6.68	2019-11-26	N	2.02	2021-06-23	N	N	Y	0.1426	0.1001	No Trend	0.35	Consistent	3.574615	3.36	1.2354	µg/L		
Perfluorooctane sulfonic acid (PFOS)	Groundwater	0960_MW162	13	15	100%	Y	2025-06-23	2018-06-15	N	0.44	2023-06-28	N	0.13	2018-06-15	N	N	Y	0.27	0.0328	Increasing	-	-	0.303846	0.31	0.0849	µg/L		
Perfluorooctanoic acid (PFOA)	Groundwater	0960_MW162	13	15	100%	Y	2025-06-23	2018-06-15	N	0.12	2020-06-24	N	0.05	2021-06-23	N	N	Y	0.0162	0.4752	No Trend	0.24	Consistent	0.090769	0.09	0.0218	µg/L		
Sum of PFHxS and PFOS	Groundwater	0960_MW162	13	15	100%	Y	2025-06-23	2018-06-15	N	6.97	2019-11-26	N	2.17	2021-06-23	N	N	Y	0.1085	0.1001	No Trend	0.33	Consistent	3.876154	3.68	1.2679	µg/L		
Perfluorohexane sulfonic acid (PFHxS)	Groundwater	0960_MW163	10	10	100%	Y	2023-11-08	2018-06-15	N	6.9	2018-06-15	N	0.26	2019-11-26	N	N	Y	0.2509	0.0762	No Trend	0.71	Consistent	3.747	3.35	2.6754	µg/L		
Perfluorooctane sulfonic acid (PFOS)	Groundwater	0960_MW163	10	10	100%	Y	2023-11-08	2018-06-15	N	5	2018-06-15	N	0.356	2019-11-26	N	N	Y	0.79	0.1052	No Trend	0.79	Consistent	2.03	1.965	1.6005	µg/L		
Perfluorooctanoic acid (PFOA)	Groundwater	0960_MW163	10	10	90%	Y	2023-11-08	2018-06-15	N	0.32	2021-11-24	N	0.04	2023-11-08	Y	N	Y	0.2916	0.1034	No Trend	0.70	Consistent	0.169	0.145	0.1181	µg/L		
Sum of PFHxS and PFOS	Groundwater	0960_MW163	10	10	100%	Y	2023-11-08	2018-06-15	N	12	2018-06-15	N	0.36	2019-11-26	N	N	Y	0.2626	0.0537	No Trend	0.65	Consistent	6.2	6.465	4.0493	µg/L		
Perfluorohexane sulfonic acid (PFHxS)	Groundwater	0960_MW164	13	15	100%	Y	2025-06-23	2018-06-15	N	2.79	2020-06-24	N	0.64	2025-06-23	Y	N	Y	0.2928	0.0072	Decreasing	-	-	1.44					

Drainage channels																											
Perfluorohexane sulfonic acid (PFHxS)	Groundwater	0960_MW102	14	16	0%	N		2025-06-25		N			N	0.001	2018-03-07	N	N	N	0.0045	0.3317	No Trend	0.55	Consistent	0.011571	0.01	0.0064	µg/L
Perfluorooctane sulfonic acid (PFOS)	Groundwater	0960_MW102	14	16	7%	Y		2025-06-25	2020-11-19	N		0.02	2020-11-19	N	0.001	2018-03-07	N	N	0.176	0.1083	No Trend	0.47	Consistent	0.009429	0.01	0.0044	µg/L
Perfluorooctanoic acid (PFOA)	Groundwater	0960_MW102	14	16	0%	N		2025-06-25		N			N	0.001	2018-03-07	N	N	N	0.4779	0.0179	Increasing	-	-	0.008714	0.01	0.0033	µg/L
Sum of PFHxS and PFOS	Groundwater	0960_MW102	12	14	8%	Y		2025-06-25	2020-11-19	N		0.02	2020-11-19	N	0.01	2018-12-02	N	N	0.0985	0.1924	No Trend	0.27	Consistent	0.010833	0.01	0.0029	µg/L
Perfluorohexane sulfonic acid (PFHxS)	Groundwater	0960_MW103	13	15	100%	Y		2025-06-24	2018-03-07	N		1.7	2020-06-24	N	0.13	2021-06-23	N	N	0.0015	0.4514	No Trend	0.91	Consistent	0.489231	0.31	0.4439	µg/L
Perfluorooctane sulfonic acid (PFOS)	Groundwater	0960_MW103	13	15	54%	Y		2025-06-24	2018-03-07	N		0.36	2020-06-24	N	0.004	2018-03-07	N	N	0.0275	0.2735	No Trend	2.28	Variable	0.042308	0.01	0.0963	µg/L
Perfluorooctanoic acid (PFOA)	Groundwater	0960_MW103	13	15	8%	Y		2025-06-24	2020-06-24	N		0.07	2020-06-24	N	0.001	2018-03-07	N	N	0.0027	0.1382	No Trend	1.31	Variable	0.013231	0.01	0.0174	µg/L
Sum of PFHxS and PFOS	Groundwater	0960_MW103	12	14	100%	Y		2025-06-24	2018-06-15	N		2.06	2020-06-24	N	0.13	2021-06-23	N	N	0.0319	0.3400	No Trend	0.99	Consistent	0.553333	0.315	0.5475	µg/L
Perfluorohexane sulfonic acid (PFHxS)	Groundwater	0960_MW104	14	16	79%	Y		2025-06-24	2018-03-07	N		0.14	2022-11-22	N	0.02	2019-11-29	N	Y	0.0856	0.2448	No Trend	0.80	Consistent	0.042571	0.023	0.0342	µg/L
Perfluorooctane sulfonic acid (PFOS)	Groundwater	0960_MW104	14	16	29%	Y		2025-06-24	2018-03-07	N		0.02	2020-06-24	N	0.004	2018-06-14	N	N	0.0021	0.3386	No Trend	0.40	Consistent	0.010786	0.01	0.0043	µg/L
Perfluorooctanoic acid (PFOA)	Groundwater	0960_MW104	14	16	0%	N		2025-06-24		N			N	0.001	2018-03-07	N	N	N	0.4769	0.0179	No Trend	0.38	Consistent	0.008714	0.01	0.0033	µg/L
Sum of PFHxS and PFOS	Groundwater	0960_MW104	13	15	92%	Y		2025-06-24	2018-06-14	N		0.14	2022-11-22	N	0.01	2019-11-29	N	Y	0.0662	0.1267	No Trend	0.82	Consistent	0.043538	0.026	0.0356	µg/L
Perfluorohexane sulfonic acid (PFHxS)	Groundwater	0960_MW122	13	15	15%	Y		2025-06-24	2018-06-15	N		0.01	2024-05-22	N	0.001	2018-06-15	N	N	0.0467	0.0866	No Trend	0.47	Consistent	0.012385	0.01	0.0058	µg/L
Perfluorooctane sulfonic acid (PFOS)	Groundwater	0960_MW122	13	15	8%	Y		2025-06-24	2018-06-15	N		0.001	2018-06-15	N	0.001	2018-06-15	N	N	0.3158	0.0708	No Trend	0.27	Consistent	0.009308	0.01	0.0025	µg/L
Perfluorooctanoic acid (PFOA)	Groundwater	0960_MW122	13	15	0%	N		2025-06-24		N			N	0.001	2018-06-15	N	N	N	0.3158	0.0708	No Trend	0.27	Consistent	0.009308	0.01	0.0025	µg/L
Sum of PFHxS and PFOS	Groundwater	0960_MW122	13	15	15%	Y		2025-06-24	2018-06-15	N		0.01	2024-05-22	N	0.002	2018-06-15	N	N	0.3158	0.0708	No Trend	0.24	Consistent	0.009385	0.01	0.0022	µg/L
Perfluorohexane sulfonic acid (PFHxS)	Groundwater	0960_MW124	14	14	14%	Y		2025-06-24	2018-03-07	N		0.004	2018-03-07	N	0.002	2018-06-09	N	N	0.0002	0.3098	No Trend	0.50	Consistent	0.011857	0.01	0.0059	µg/L
Perfluorooctane sulfonic acid (PFOS)	Groundwater	0960_MW124	14	16	21%	Y		2025-06-25	2018-03-07	N		0.01	2020-11-19	N	0.003	2018-03-07	N	N	0.4688	0.0146	Increasing	-	-	0.009143	0.01	0.0022	µg/L
Perfluorooctanoic acid (PFOA)	Groundwater	0960_MW124	14	16	7%	Y		2025-06-25	2018-03-07	N		0.001	2018-03-07	N	0.001	2018-03-07	N	N	0.4785	0.0179	Increasing	-	-	0.008714	0.01	0.0033	µg/L
Sum of PFHxS and PFOS	Groundwater	0960_MW124	12	14	8%	Y		2025-06-25	2020-11-19	N		0.01	2020-11-19	N	0.01	2019-12-02	N	N	0	0.5000	No Trend	0.00	Consistent	0.01	0.01	0	µg/L
Perfluorohexane sulfonic acid (PFHxS)	Groundwater	0960_MW126	13	15	0%	N		2025-06-25		N			N	0.001	2018-03-07	N	N	N	0.018	0.4717	No Trend	0.56	Consistent	0.010923	0.01	0.0061	µg/L
Perfluorooctane sulfonic acid (PFOS)	Groundwater	0960_MW126	13	15	8%	Y		2025-06-25	2018-06-08	N		0.009	2018-06-08	N	0.001	2018-03-07	N	N	0.3112	0.0154	Increasing	-	-	0.009231	0.01	0.0025	µg/L
Perfluorooctanoic acid (PFOA)	Groundwater	0960_MW126	13	15	0%	N		2025-06-25		N			N	0.001	2018-03-07	N	N	N	0.5186	0.0191	No Trend	0.39	Consistent	0.008615	0.01	0.0034	µg/L
Sum of PFHxS and PFOS	Groundwater	0960_MW126	11	13	0%	N		2025-06-25		N			N	0.01	2019-11-29	N	N	N	0	0.5000	No Trend	0.00	Consistent	0.01	0.01	0	µg/L
Perfluorohexane sulfonic acid (PFHxS)	Groundwater	0960_MW127	14	16	7%	Y		2025-06-25	2024-12-12	N		0.71	2024-12-12	N	0.001	2018-03-07	N	N	0.1332	0.4055	No Trend	3.03	Variable	0.061571	0.01	0.1867	µg/L
Perfluorooctane sulfonic acid (PFOS)	Groundwater	0960_MW127	14	16	7%	Y		2025-06-25	2024-12-12	N		0.72	2024-12-12	N	0.001	2018-03-07	N	N	0.1393	0.0067	Increasing	-	-	0.059429	0.01	0.1902	µg/L
Perfluorooctanoic acid (PFOA)	Groundwater	0960_MW127	14	16	7%	Y		2025-06-25	2024-12-12	N		0.04	2024-12-12	N	0.001	2018-03-07	N	N	0.3294	0.0067	Increasing	-	-	0.010857	0.01	0.009	µg/L
Sum of PFHxS and PFOS	Groundwater	0960_MW127	12	14	8%	Y		2025-06-25	2024-12-12	N		1.43	2024-12-12	N	0.01	2019-11-29	N	N	0.1564	0.1233	No Trend	3.19	Variable	0.128333	0.01	0.4999	µg/L
Perfluorohexane sulfonic acid (PFHxS)	Groundwater	0960_MW134	14	16	0%	N		2025-06-25		N			N	0.001	2018-03-10	N	N	N	0.0044	0.3317	No Trend	0.55	Consistent	0.011571	0.01	0.0064	µg/L
Perfluorooctane sulfonic acid (PFOS)	Groundwater	0960_MW134	14	16	7%	Y		2025-06-25	2020-11-20	N		0.02	2020-11-20	N	0.001	2018-03-10	N	N	0.1758	0.1083	No Trend	0.47	Consistent	0.009429	0.01	0.0044	µg/L
Perfluorooctanoic acid (PFOA)	Groundwater	0960_MW134	14	16	0%	N		2025-06-25		N			N	0.001	2018-03-10	N	N	N	0.4773	0.0179	No Trend	0.38	Consistent	0.008714	0.01	0.0033	µg/L
Sum of PFHxS and PFOS	Groundwater	0960_MW134	13	15	8%	Y		2025-06-25	2020-11-20	N		0.02	2020-11-20	N	0.001	2018-03-10	N	N	0.053	0.3472	No Trend	0.39	Consistent	0.010077	0.01	0.0039	µg/L
Perfluorohexane sulfonic acid (PFHxS)	Groundwater	0960_MW135	14	21	21%	Y		2025-06-26	2018-03-08	N		0.11	2021-11-24	N	0.009	2018-03-08	N	N	0.0226	0.0535	No Trend	1.25	Variable	0.020929	0.01	0.0282	µg/L
Perfluorooctane sulfonic acid (PFOS)	Groundwater	0960_MW135	14	21	29%	Y		2025-06-26	2018-03-08	N		0.09	2021-11-24	N	0.005	2018-03-08	N	N	0.0007	0.0529	No Trend	1.43	Variable	0.015143	0.01	0.0216	µg/L
Perfluorooctanoic acid (PFOA)	Groundwater	0960_MW135	14	21	7%	Y		2025-06-26	2018-03-08	N		0.003	2018-03-08	N	0.001	2018-06-16	N	N	0.4635	0.0228	Increasing	-	-	0.008857	0.01	0.0029	µg/L
Sum of PFHxS and PFOS	Groundwater	0960_MW135	14	21	21%	Y		2025-06-26	2018-06-16	N		0.2	2021-11-24	N	0.001	2018-03-08	N	N	0.0022	0.5000	No Trend	2.08	Variable	0.024429	0.01	0.0509	µg/L
Perfluorohexane sulfonic acid (PFHxS)	Groundwater	0960_MW138	10	16	80%	Y		2024-12-16	2018-03-12	N		0.14	2020-06-24	N	0.001	2021-11-24	N	N	0.0051	0.5000	No Trend	0.83	Consistent	0.095	0.0405	0.0458	µg/L
Perfluorooctane sulfonic acid (PFOS)	Groundwater	0960_MW138	10	16	90%	Y		2024-12-16	2018-03-12	N		0.87	2020-06-24	N	0.01	2024-12-16	Y	N	0.0033	0.5000	No Trend	1.22	Variable	0.2257	0.0865	0.2748	µg/L
Perfluorooctanoic acid (PFOA)	Groundwater	0960_MW138	10	16	50%	Y		2024-12-16	2018-03-12	N		0.02	2020-06-24	N	0.002	2018-06-16	N	N	0.1704	0.1067	No Trend	0.49	Consistent	0.0122	0.01	0.0059	µg/L
Sum of PFHxS and PFOS	Groundwater	0960_MW138	10	16	90%	Y		2024-12-16	2018-03-12	N		1.01	2020-06-24	N	0.01	2024-12-16	Y	N	0.0035	0.5000	No Trend	1.16	Variable	0.2773	0.12	0.3212	µg/L
Perfluorohexane sulfonic acid (PFHxS)	Groundwater	0960_MW139	14	16	7%	Y		2025-06-24	2021-06-24	N		0.01	2021-06-24	N	0.001	2018-03-07	N	N	0.0009	0.4027	No Trend	0.63	Consistent	0.012286	0.01	0.0078	µg/L
Perfluorooctane sulfonic acid (PFOS)	Groundwater	0960_MW139	14	16	7%	Y		2025-06-24		N			N	0.001	2018-03-07	N	N	N	0.4777	0.0179	Increasing	-	-	0.008714	0.01	0.0033	µg/L
Perfluorooctanoic acid (PFOA)	Groundwater	0960_MW139	14	16	0%	N		2025-06-24		N			N	0.001	2018-03-07	N	N	N	0.4777	0.0179	No Trend	0.38	Consistent	0.008714	0.01	0.0033	µg/L
Sum of PFHxS and PFOS	Groundwater	0960_MW139	12	14	8%	Y		2025-06-24	2021-06-24	N		0.04	2021-06-24	N	0.01	2019-11-29	N	N	0.0441	0.2812	No Trend	0.69	Consistent	0.0125	0.01	0.0087	µg/L
Perfluorohexane sulfonic acid (PFHxS)	Groundwater	0960_MW140	13	17	0%	N		2025-06-28		N			N	0.002	2018-06-16	N	N	N	0.0629	0.0866	No Trend	0.45	Consistent	0.012462	0.01	0.0057	µg/L
Perfluorooctane sulfonic acid (PFOS)	Groundwater	0960_MW140	13	17	8%	Y		2025-06-28	2018-06-16	N		0.003	2018-06-16	N	0.003	2018-06-16	N	N	0.3132	0.0708	No Trend	0.21	Consistent	0.009462	0.01	0.0019	µg/L
Perfluorooctanoic acid (PFOA)	Groundwater	0960_MW140	13	17	0%	N		2025-06-28		N			N	0.005	2018-06-16	N	N	N	0.3132	0.0708	No Trend	0.14	Consistent	0.009615	0.01	0.0014	µg/L
Sum of PFHxS and PFOS	Groundwater	0960_MW140	13	17	8%	Y		2025-06-28	2018-06-16	N		0.003	2018-06-16	N	0.003	2018-06-16	N	N	0.3132	0.0708	No Trend	0.21	Consistent	0.009462	0.01	0.0019	µg/L
Perfluorohexane sulfonic acid (PFHxS)	Groundwater	0960_MW143	14	21	14%	Y		2025-06-27	20																		

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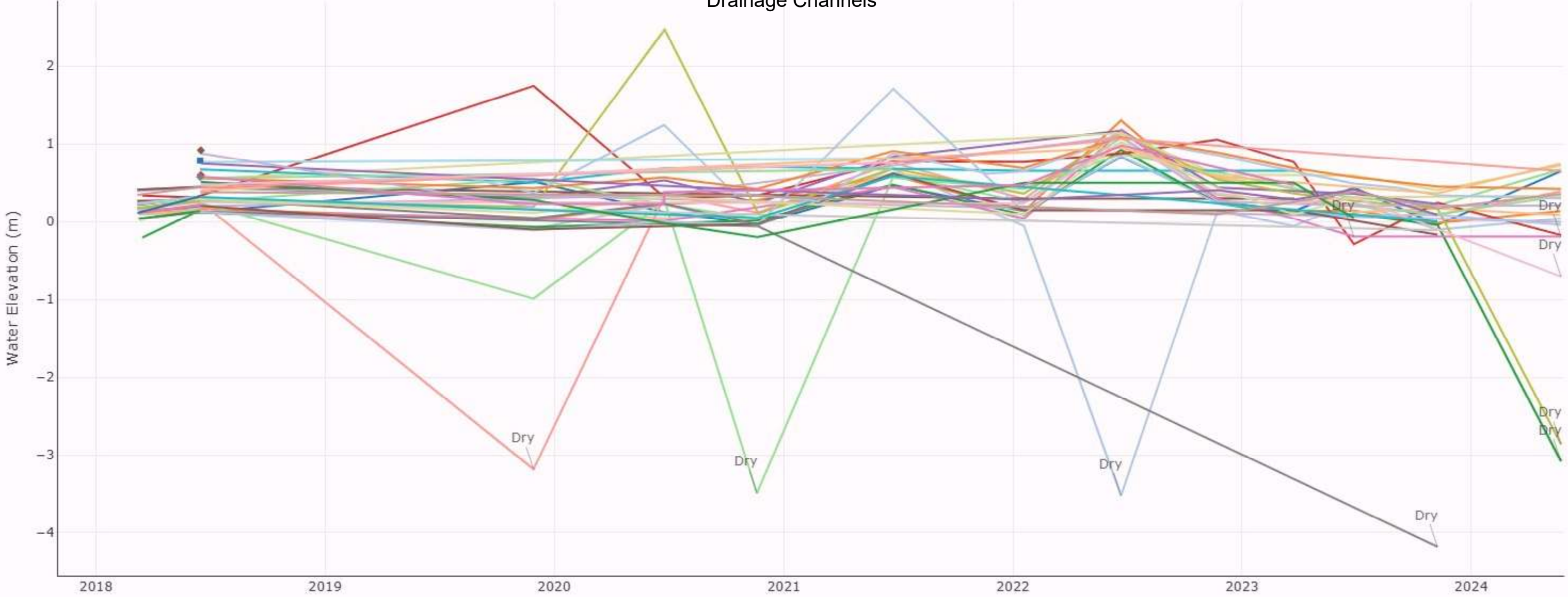
Appendix H

Groundwater elevation graphs

Groundwater Elevation

- 0960_MW102 0960_MW103 0960_MW104 0960_MW122 0960_MW124 0960_MW126 0960_MW127 0960_MW134 0960_MW135 A 0960_MW135 B
- 0960_MW135 C 0960_MW135 D 0960_MW138 A 0960_MW138 B 0960_MW138 C 0960_MW138 D 0960_MW139 0960_MW140 A 0960_MW140 B 0960_MW140 C
- 0960_MW140 D 0960_MW143 A 0960_MW143 B 0960_MW143 C 0960_MW143 D 0960_MW144 A 0960_MW144 B 0960_MW144 C 0960_MW144 D
- 0960_MW145 A 0960_MW145 B 0960_MW145 C 0960_MW145 D 0960_MW146 A 0960_MW146 B 0960_MW146 C 0960_MW146 D 0960_MW147 A
- 0960_MW147 B 0960_MW147 C 0960_MW147 D 0960_MW170 0960_MW172 0960_MW175 A 0960_MW175 B 0960_MW175 C 0960_MW175 D 0960_MW180 A
- 0960_MW180 B 0960_MW180 C 0960_MW180 D 0960_MW181 A 0960_MW181 B 0960_MW181 C 0960_MW181 D

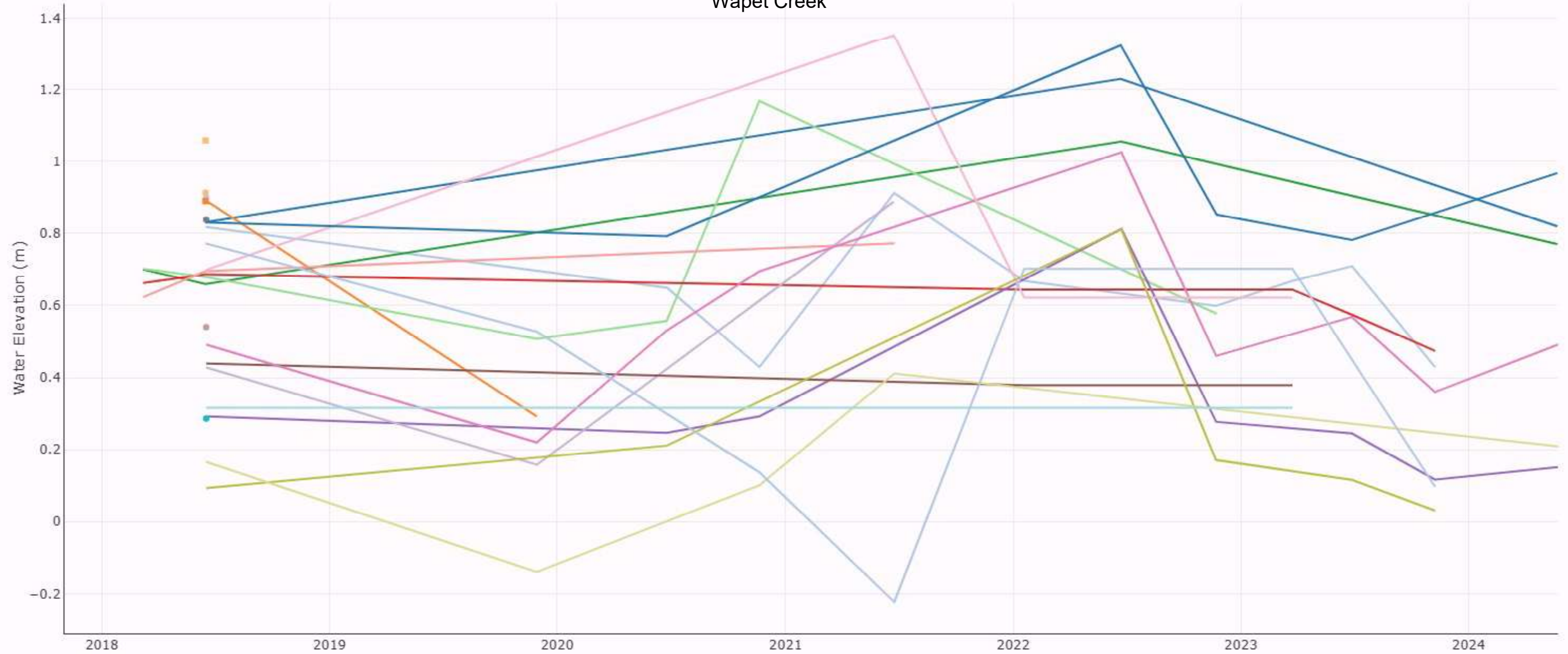
Drainage Channels



Groundwater Elevation

0960_MW137 A 0960_MW137 B 0960_MW137 C 0960_MW137 D 0960_MW141 A 0960_MW141 B 0960_MW141 C 0960_MW141 D 0960_MW176 A
0960_MW176 B 0960_MW176 C 0960_MW176 D 0960_MW177 A 0960_MW177 B 0960_MW177 C 0960_MW177 D 0960_MW178 A 0960_MW178 B
0960_MW178 C 0960_MW178 D 0960_MW179 A 0960_MW179 B 0960_MW179 C 0960_MW179 D

Wapet Creek



Groundwater Elevation

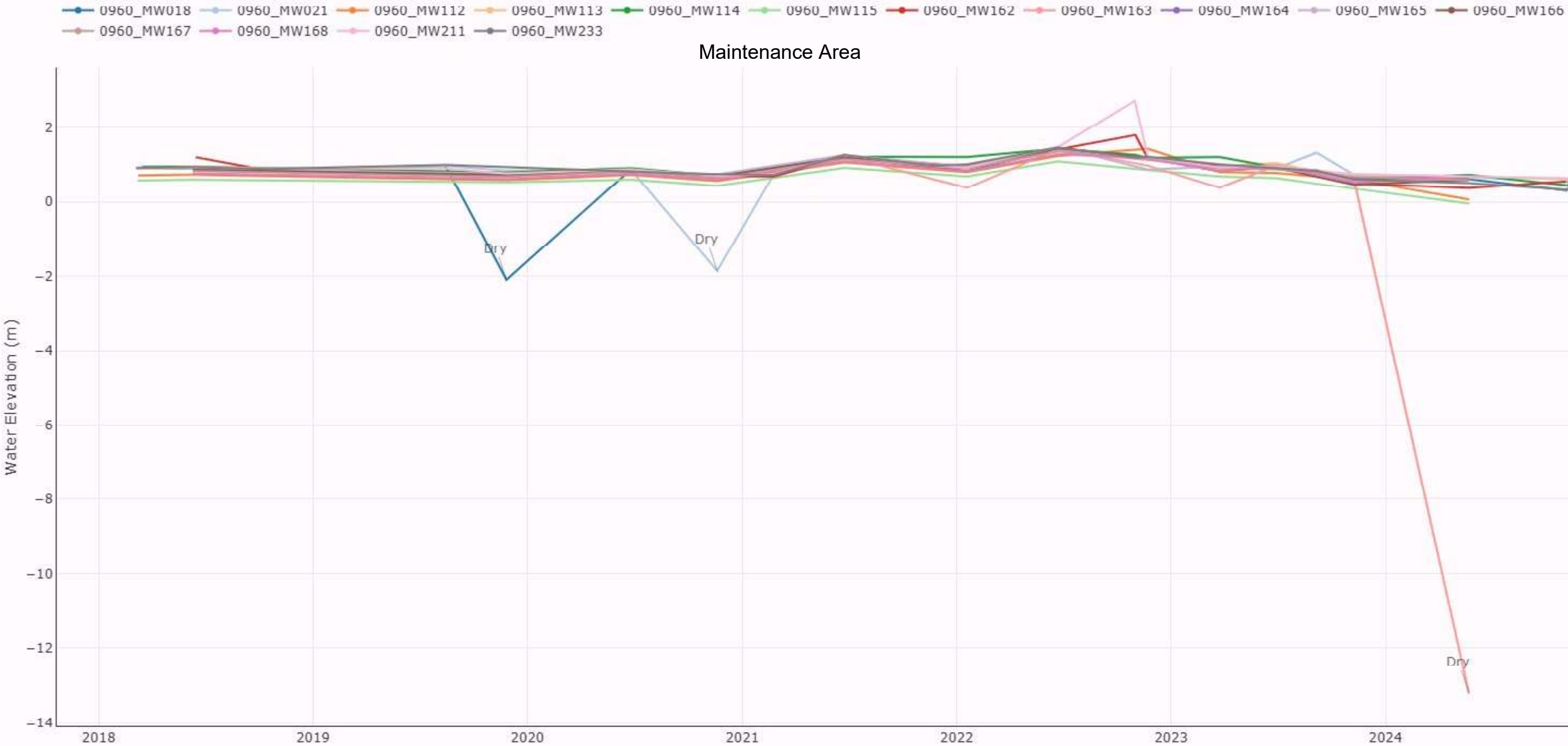
0960_MW105 0960_MW148D 0960_MW148S 0960_MW151 0960_MW159 0960_MW238

Fuel Farm



Groundwater Elevation

Maintenance Area



Appendix I

Conceptual site model

Area of environmental concern	Impacted media	General Receptor	Exceeds HIL/EIL	Potential exposure route	Comment	S-P-R Link complete? ¹	Residual Risk
Main source areas – Fuel Farm and Maintenance Area							
Fuel Farm	Soil	Human Health	No	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). The soil dataset indicates PFAS concentrations are <HILs.	L	Low
		Ecosystems	Yes	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). Potential for uptake from soils and accumulation in predatory animals consuming soil-dwelling animals or plants. However, the area is industrial, fenced off with significant hardstand and no natural, undisturbed ecosystems making exposure limited.	L	Low
	Stockpiles	Human Health	No	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). PFAS <HILs	L	Low
		Ecosystems	Yes	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). Potential for uptake from soils and accumulation in predatory animals consuming soil-dwelling animals or plants. However, the area is industrial, fenced off with significant hardstand and no natural, undisturbed ecosystems making exposure limited.	L	Low
	Sediment	Human Health	No	Ingestion Dermal contact Inhalation	PFAS concentrations in sediment were consistent with the historical dataset. Opportunity for exposure is low and manageable as sediments are confined to drains where access is limited.	L	Low

Area of environmental concern	Impacted media	General Receptor	Exceeds HIL/EIL	Potential exposure route	Comment	S-P-R Link complete? ¹	Residual Risk
		Ecosystems	Yes	Ingestion Dermal contact Inhalation	Potential for uptake from soils and accumulation in predatory animals consuming soil-dwelling animals or plants. However, the area is industrial, fenced off with significant hardstand and no natural, undisturbed ecosystems making exposure limited.	Possible	Low
	Surface water	Human Health	No	Ingestion Dermal contact Inhalation	PFAS <HILs Given that surface water is ephemeral and not likely to be sourced for consumption or recreational use, opportunity for exposure is low and manageable.	NC	Low
		Ecosystems	Yes	Ingestion Dermal contact Inhalation	Potential for uptake and accumulation in plants and animals however, water is ephemeral and therefore only periodically available for animal consumption. Can discharge eventually into Wapet Creek or Exmouth Gulf; however, this is likely to occur in high rain events and result in significant dilution. Sampling results indicated only very low levels of PFAS in receptors.	L	Low
	Groundwater	Human Health	Yes	Ingestion Dermal contact Inhalation	PFAS>HIL for drinking water and recreational use Groundwater not abstracted in this area for any use. Generally, not potable. Groundwater may not discharge to sensitive ecosystems due to groundwater flow directions and low hydraulic gradients so primary contact recreation may not be realised	NC	Low
		Ecosystems	Yes	Ingestion Dermal contact Inhalation	Groundwater may not discharge to sensitive ecosystems due to groundwater flow directions and low hydraulic gradients. Potential PFAS mass in groundwater is low.	L	Low
	Edible produce	Human Health	No	Ingestion	Edible produce grown in areas where PFAS has impacted the soil can take up PFAS and therefore constitutes a possible risk to human health through consumption. Sampling of bananas and mangos on RAAF Base Learmonth indicated no detectable PFAS	L	Low

Area of environmental concern	Impacted media	General Receptor	Exceeds HIL/EIL	Potential exposure route	Comment	S-P-R Link complete? ¹	Residual Risk
Maintenance Area	Soil	Human Health	Yes (residential) No (industrial / commercial)	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). Complete linkage; however, PFAS < HILs for the primary industrial land use. Residential exposure limited in extent.	L	Low
		Ecosystems	Yes	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). Complete linkage; ecological uptake plausible. However, highly disturbed industrial setting (hardstand, fencing, limited habitat) restricts exposure.	L	Low
	Sediment	Human Health	No	Ingestion Dermal contact Inhalation	Complete linkage; however, exposure highly constrained (sediments confined with limited access). PFAS concentrations in sediment were consistent with the historical dataset.	L	Low
		Ecosystems	Yes (one only)	Ingestion Dermal contact Inhalation	Potential for uptake from soils and accumulation in predatory animals that consume soil-dwelling animals or plants. However, the area is industrial, fenced off with significant hardstand and no natural, undisturbed ecosystems making exposure limited.	L	Low
	Surface Water	Human Health	No	Ingestion Dermal contact Inhalation	No realistic exposure given that surface water is ephemeral and not likely to be sourced for consumption or recreational use.	NC	Low
		Ecosystems	Yes	Ingestion Dermal contact Inhalation	Complete linkage; however, an ephemeral system with infrequent flow and dilution to Wapet Creek via the Central Drainage Channel. Sampling results indicated low levels of PFAS in Wapet Creek.	L	Low

Area of environmental concern	Impacted media	General Receptor	Exceeds HIL/EIL	Potential exposure route	Comment	S-P-R Link complete? ¹	Residual Risk
	Groundwater	Human Health	Yes (drinking water)	Ingestion Dermal contact Inhalation	No exposure pathway (groundwater not abstracted in this area, not potable). Linkage is not complete despite exceedance of HILs. Groundwater may not discharge to sensitive ecosystems due to groundwater flow directions and low hydraulic gradients so primary contact recreation may not be realised Deeper aquifer (limestone) not directly assessed but groundwater at 20 m was impacted, so it is likely the deeper limestone will be impacted.	NC	Low
		Ecosystems	Yes	Ingestion Dermal contact Inhalation	Potentially complete linkage; however, groundwater discharge to sensitive ecosystems unlikely (flow conditions and low hydraulic gradients). Potential PFAS mass in groundwater is low.	L	Low
	Edible produce	Human Health	No	Ingestion	Potentially complete linkage; however, edible produce limited and no evidence of uptake. No sampling of edible biota has been completed on RAAF Base Learmonth. However, sampling of mangos on analogous site (HEH B) indicated no detectable PFAS.	L	Low

Area of environmental concern	Impacted media	General Receptor	Exceeds HIL/EIL	Potential exposure route	Comment	S-P-R Link complete? ¹	Residual Risk
Sewage Treatment Ponds							
STP	Soil	Human Health	No	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). Complete linkage; however, PFAS <HILs. Opportunity for exposure is low and manageable	L	Low
		Ecosystems	Yes	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). Complete linkage; ecological uptake plausible. However, industrial setting (hardstand, fencing, limited habitat) restricts exposure.	L	Low
	Sediment	Human Health	No	Ingestion Dermal contact Inhalation	Complete linkage; exposure constrained as sediments confined to drains with limited access.	L	Low
		Ecosystems	Yes	Ingestion Dermal contact Inhalation	Complete linkage; ecological uptake plausible but limited by disturbed industrial environment and low habitat value.	L	Low
	Surface water	Human Health	No	Ingestion Dermal contact Inhalation	No realistic exposure pathway (ephemeral water, not used for recreation or consumption). Linkage is not complete.	NC	Low
		Ecosystems	Yes	Ingestion Dermal contact Inhalation	Complete linkage; exceeds Marine Water EIL but is some distance from the Gulf, water ephemeral and subject to dilution (limited detection in Wapet Creek).	L	Low

Area of environmental concern	Impacted media	General Receptor	Exceeds HIL/EIL	Potential exposure route	Comment	S-P-R Link complete? ¹	Residual Risk
	Groundwater	Human Health	Yes (drinking water)	Ingestion Dermal contact Inhalation	No exposure pathway (groundwater not abstracted in this area for any use, not potable) Linkage is not complete despite Tier 1 exceedance.	NC	Low
		Ecosystems	Yes	Ingestion Dermal contact Inhalation	Potentially complete linkage; however, discharge to sensitive receptors unlikely (flow directions and low hydraulic gradients). Potential PFAS mass in groundwater is low.	L	Low

Area of environmental concern	Impacted media	General Receptor	Exceeds HIL/EIL	Potential exposure route	Comment	S-P-R Link complete? ¹	Residual Risk
Solid waste disposal areas (landfills, drum area, tip)							
Base Landfill	Soil	Human Health	No	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). Complete linkage; PFAS <HILs (historical data). Opportunity for exposure is low and manageable	L	Low
		Ecosystems	No	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). Complete linkage; ecological uptake possible but industrial setting limited exposure	L	Low
	Sediment	Human Health	No	Ingestion Dermal contact Inhalation	Complete linkage; sediments confined to drains with limited access.	L	Low
		Ecosystems	No	Ingestion Dermal contact Inhalation	Complete linkage; exposure constrained by disturbed environment.	L	Low
	Surface water	Human Health	Not assessed	Ingestion Dermal contact Inhalation	No standing water; pathway is ephemeral and insignificant. Linkage is not complete.	NC	Low
		Ecosystems	Not assessed	Ingestion Dermal contact Inhalation	No persistent pathway; ephemeral conditions. Linkage is not complete.	NC	Low

Area of environmental concern	Impacted media	General Receptor	Exceeds HIL/EIL	Potential exposure route	Comment	S-P-R Link complete? ¹	Residual Risk
Wapet Landfill	Groundwater	Human Health	Yes (drinking water)	Ingestion Dermal contact Inhalation	No complete pathway (groundwater not abstracted in this area for any use and not potable). Linkage is not complete despite Tier 1 exceedance. Groundwater may not discharge to sensitive ecosystems due to groundwater flow directions and low hydraulic gradients and the distance to the receptors.	NC	Low
		Ecosystems	Yes	Ingestion Dermal contact Inhalation	Potential linkage; discharge to receptor unlikely (flow directions and low hydraulic gradients and the distance to the receptors). Low PFAS mass in groundwater.	L	Low
	Soil	Human Health	No	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). Complete linkage; PFAS < HILs; exposure limited.	L	Low
		Ecosystems	No	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). Complete linkage; low PFAS mass and limited habitat.	L	Low
	Sediment	Human Health	No	Ingestion Dermal contact Inhalation	Complete linkage; low access and PFAS <HILs.	L	Low
		Ecosystems	No	Ingestion Dermal contact Inhalation	Complete linkage; limited uptake potential.	L	Low

Area of environmental concern	Impacted media	General Receptor	Exceeds HIL/EIL	Potential exposure route	Comment	S-P-R Link complete? ¹	Residual Risk
Windmill Bore Landfill	Surface Water	Human Health	Not assessed	Ingestion Dermal contact Inhalation	No water present; suggests this transport pathway is ephemeral and insignificant. Linkage is not complete.	NC	Low
		Ecosystems	Not assessed	Ingestion Dermal contact Inhalation	Ephemeral pathway. Linkage is not complete.	NC	Low
	Groundwater	Human Health	No	Ingestion Dermal contact Inhalation	Not abstracted / not potable. No exposure pathway.	NC	Low
		Ecosystems	Yes	Ingestion Dermal contact Inhalation	Potential linkage; discharge unlikely and PFAS mass in groundwater is low.	L	Low
	Soil	Human Health	No	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). Complete linkage; PFAS < HILs; limited exposure.	L	Low
		Ecosystems	No	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). Complete linkage; PFAS < EILs.	L	Low
	Sediment	Human Health	No	Ingestion Dermal contact Inhalation	Complete linkage; exposure limited; PFAS < HILs.	L	Low
		Ecosystems	No	Ingestion Dermal contact Inhalation	Complete linkage; exposure limited; PFAS < EILs.	L	Low

Area of environmental concern	Impacted media	General Receptor	Exceeds HIL/EIL	Potential exposure route	Comment	S-P-R Link complete? ¹	Residual Risk
		Ecosystems	No	Ingestion Dermal contact Inhalation	Complete linkage; PFAS < EILs; low PFAS mass.	L	Low
	Surface Water	Human Health	Not assessed	Ingestion Dermal contact Inhalation	No water present; pathway not realised.	NC	Low
		Ecosystems	Not assessed	Ingestion Dermal contact Inhalation	Ephemeral pathway only.	NC	Low
	Groundwater	Human Health	No	Ingestion Dermal contact Inhalation	Upgradient abstraction; no exposure pathway. Linkage is not complete.	NC	Low
		Ecosystems	Yes	Ingestion Dermal contact Inhalation	Potential linkage; low gradients and distance to receptors. Potential PFAS mass in groundwater is low.	L	Low

Area of environmental concern	Impacted media	General Receptor	Exceeds HIL/EIL	Potential exposure route	Comment	S-P-R Link complete? ¹	Residual Risk
Kailis Landfill	Soil	Human Health	No	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). Complete linkage; PFAS < HILs; exposure limited.	L	Low
		Ecosystems	No	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). Complete linkage; impacts at depth (2 and 3 m bgl), low exposure potential. PFAS < EILs	L	Low
	Sediment	Human Health	No	Ingestion Dermal contact Inhalation	PFAS < LOR. Linkage is not complete.	NC	Low
		Ecosystems	No	Ingestion Dermal contact Inhalation	PFAS < LOR. Linkage is not complete.	NC	Low
	Surface Water	Human Health	No	Ingestion Dermal contact Inhalation	Seepage < LOR. Linkage is not complete.	NC	Low
		Ecosystems	No	Ingestion Dermal contact Inhalation	Seepage < LOR. Linkage is not complete.	NC	Low
	Groundwater	Human Health	No	Ingestion Dermal contact Inhalation	PFAS < HILs No groundwater abstraction in this area. Linkage is not complete.	NC	Low

Area of environmental concern	Impacted media	General Receptor	Exceeds HIL/EIL	Potential exposure route	Comment	S-P-R Link complete? ¹	Residual Risk
Tip	Soil	Ecosystems	Yes	Ingestion Dermal contact Inhalation	Potential linkage; groundwater exceeds EIL for marine water protection but no detectable discharge to the coast.	L	Low
		Human Health	No	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). PFAS < HILs Opportunity for exposure is low and manageable.	L	Low
		Ecosystems	No	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). PFAS < EILs Low potential for uptake from soils and only one low detect.	L	Low
	Sediment	Human Health	No	Ingestion Dermal contact Inhalation	PFAS < HILs Opportunity for exposure is low and manageable	L	Low
		Ecosystems	No	Ingestion Dermal contact Inhalation	PFAS < EILs Low potential for uptake from soils and only one low detect.	L	Low
	Surface Water	Human Health	Not assessed	Ingestion Dermal contact Inhalation	Not assessed	NC	Low
		Ecosystems	Not assessed	Ingestion Dermal contact Inhalation	Not assessed	NC	Low

Area of environmental concern	Impacted media	General Receptor	Exceeds HIL/EIL	Potential exposure route	Comment	S-P-R Link complete? ¹	Residual Risk
Waste Drum Area	Groundwater	Human Health	No	Ingestion Dermal contact Inhalation	PFAS <HILs No groundwater abstraction in this area	NC	Low
		Ecosystems	Yes	Ingestion Dermal contact Inhalation	Potential linkage; groundwater exceeds EIL for marine water protection, but the area is a considerable distance from the coast.	L	Low
	Soil	Human Health	No	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). Complete linkage; PFAS < HILs.	L	Low
		Ecosystems	No	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). Complete linkage; PFAS < EILs; minimal detections.	L	Low
	Sediment	Human Health	No	Ingestion Dermal contact Inhalation	PFAS < LOR. Linkage is not complete.	NC	Low
		Ecosystems	No	Ingestion Dermal contact Inhalation	PFAS < LOR. Linkage is not complete.	NC	Low
	Surface Water	Human Health	Not assessed	Ingestion Dermal contact Inhalation	Not assessed.	NC	Low

Area of environmental concern	Impacted media	General Receptor	Exceeds HIL/EIL	Potential exposure route	Comment	S-P-R Link complete? ¹	Residual Risk
	Groundwater	Ecosystems	Not assessed	Ingestion Dermal contact Inhalation	Not assessed	NC	Low
		Human Health	No	Ingestion Dermal contact Inhalation	PFAS <LOR. Linkage is not complete.	NC	Low
		Ecosystems	No	Ingestion Dermal contact Inhalation	PFAS <LOR. Linkage is not complete.	NC	Low

Area of environmental concern	Impacted media	General Receptor	Exceeds HIL/EIL	Potential exposure route	Comment	S-P-R Link complete? ¹	Residual Risk
Former Fire Training Areas (FTA)							
Former FTA - West	Soil	Human Health	No	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). Complete linkage; PFAS <HILs (historical data); exposure limited manageable.	L	Low
		Ecosystems	No	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). Complete linkage; ecological uptake plausible but industrial setting (hardstand, fencing) restricts exposure.	L	Low
	Sediment	Human Health	No	Ingestion Dermal contact Inhalation	Complete linkage; sediments confined to drains with limited access.	L	Low
		Ecosystems	No	Ingestion Dermal contact Inhalation	Complete linkage; limited habitat and access.	L	Low
	Surface water	Human Health	Not assessed	Ingestion Dermal contact Inhalation	No standing water; pathway ephemeral and insignificant. Linkage is not complete.	NC	Low
		Ecosystems	Not assessed	Ingestion Dermal contact Inhalation	No persistent pathway; ephemeral conditions. Linkage is not complete.	NC	Low
	Groundwater	Human Health	No	Ingestion Dermal contact Inhalation	PFAS <HILs Groundwater not abstracted or potable. No exposure pathway.	NC	Low

Area of environmental concern	Impacted media	General Receptor	Exceeds HIL/EIL	Potential exposure route	Comment	S-P-R Link complete? ¹	Residual Risk
Former FTA - East		Ecosystems	Yes (one only)	Ingestion Dermal contact Inhalation	Potentially complete linkage; isolated exceedance, but discharge unlikely (flow conditions, distance and PFAS mass low.	L	Low
	Soil	Human Health	No	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). Complete linkage; PFAS <HILs (historical dataset); exposure limited.	L	Low
		Ecosystems	No	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). Complete linkage ecological uptake plausible but constrained by industrial setting.	L	Low
	Sediment	Human Health	No	Ingestion Dermal contact Inhalation	Complete linkage; sediments confined and access limited.	L	Low
		Ecosystems	No	Ingestion Dermal contact Inhalation	Complete linkage; limited ecological receptors.	L	Low
	Surface water	Human Health	Not assessed	Ingestion Dermal contact Inhalation	No standing water present; pathway not realised. Linkage is not complete.	NC	Low
		Ecosystems	Not assessed	Ingestion Dermal contact Inhalation	Ephemeral pathway only. Linkage is not complete.	NC	Low
	Groundwater	Human Health	Yes (drinking water)	Ingestion Dermal contact Inhalation	PFAS < LOR and no groundwater use; no exposure pathway. Linkage is not complete.	NC	Low

Area of environmental concern	Impacted media	General Receptor	Exceeds HIL/EIL	Potential exposure route	Comment	S-P-R Link complete? ¹	Residual Risk
		Ecosystems	Yes	Ingestion Dermal contact Inhalation	PFAS < LOR. Linkage is not complete.	NC	Low

Area of environmental concern	Impacted media	General Receptor	Exceeds HIL/EIL	Potential exposure route	Comment	S-P-R Link complete? ¹	Residual Risk
Other fuel storage areas							
UST/AST - ALER 36	Soil	Human Health	No	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). Complete linkage; PFAS <HILs; exposure limited.	L	Low
		Ecosystems	No	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). Complete linkage; ecological uptake plausible but industrial setting limits exposure.	L	Low
	Sediment	Human Health	Not assessed	Ingestion Dermal contact Inhalation	Not assessed – no drainage channels directly associated with this AEC. Linkage is not complete.	NC	Low
		Ecosystems	Not assessed	Ingestion Dermal contact Inhalation	Not assessed – no drainage channels directly associated with this AEC. Linkage is not complete.	NC	Low
	Surface water	Human Health	Not assessed	Ingestion Dermal contact Inhalation	Not assessed – no drainage channels directly associated with this AEC. Linkage is not complete.	NC	Low
		Ecosystems	Not assessed	Ingestion Dermal contact Inhalation	Not assessed – no drainage channels directly associated with this AEC. Linkage is not complete.	NC	Low

Area of environmental concern	Impacted media	General Receptor	Exceeds HIL/EIL	Potential exposure route	Comment	S-P-R Link complete? ¹	Residual Risk
UST - Former Powerhouse	Groundwater	Human Health	Yes	Ingestion Dermal contact Inhalation	Exceedance noted; however, groundwater is not abstracted in this area or potable. No exposure pathway.	NC	Low
		Ecosystems	Yes	Ingestion Dermal contact Inhalation	Potential linkage; discharge unlikely (flow directions and low hydraulic gradients and distance to the receptors). Low PFAS mass in groundwater.	L	Low
	Soil	Human Health	No	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). Complete linkage; PFAS <HILs, exposure limited.	L	Low
		Ecosystems	Yes (one only)	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). Complete linkage; PFAS >EILs for Interim Ecological Indirect Exposure Commercial/Industrial (isolated exceedance) but exposure limited by industrial setting.	L	Low
	Sediment	Human Health	No	Ingestion Dermal contact Inhalation	Complete linkage; exposure limited.	L	Low
		Ecosystems	No	Ingestion Dermal contact Inhalation	Complete linkage; low ecological exposure.	L	Low
	Surface water	Human Health	Not assessed	Ingestion Dermal contact Inhalation	Not assessed – no drainage channels directly associated with this AEC	NC	Low

Area of environmental concern	Impacted media	General Receptor	Exceeds HIL/EIL	Potential exposure route	Comment	S-P-R Link complete? ¹	Residual Risk
UST – ALER 18		Ecosystems	Not assessed	Ingestion Dermal contact Inhalation	Not assessed – no drainage channels directly associated with this AEC	NC	Low
	Groundwater	Human Health	Yes	Ingestion Dermal contact Inhalation	Exceedance noted but no abstraction / use. Linkage is not complete	NC	Low
		Ecosystems	Yes	Ingestion Dermal contact Inhalation	Potential linkage; discharge unlikely to sensitive ecosystems due to groundwater flow directions and low hydraulic gradients and the distance to the receptors. Potential PFAS mass in groundwater is low.	L	Low
	Soil	Human Health	No	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). Complete linkage; PFAS <HILs; exposure limited.	L	Low
		Ecosystems	No	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). Complete linkage; industrial controls limit ecological exposure.	L	Low
	Sediment	Human Health	Not assessed	Ingestion Dermal contact Inhalation	Not assessed – no drainage channels directly associated with this AEC	NC	Low
		Ecosystems	Not assessed	Ingestion Dermal contact Inhalation	Not assessed – no drainage channels directly associated with this AEC	NC	Low

Area of environmental concern	Impacted media	General Receptor	Exceeds HIL/EIL	Potential exposure route	Comment	S-P-R Link complete? ¹	Residual Risk
	Surface water	Human Health	Not assessed	Ingestion Dermal contact Inhalation	Not assessed – no drainage channels directly associated with this AEC	NC	Low
		Ecosystems	Not assessed	Ingestion Dermal contact Inhalation	Not assessed – no drainage channels directly associated with this AEC	NC	Low
	Groundwater	Human Health	No	Ingestion Dermal contact Inhalation	PFAS <HILs for drinking water Groundwater not abstracted in this area for any use and is not potable.	NC	Low
		Ecosystems	Yes	Ingestion Dermal contact Inhalation	Potential linkage; discharge to sensitive ecosystems unlikely due to groundwater flow directions and low hydraulic gradients and the distance to the receptors. Potential PFAS mass in groundwater is low.	L	Low

Area of environmental concern	Impacted media	General Receptor	Exceeds HIL/EIL	Potential exposure route	Comment	S-P-R Link complete? ¹	Residual Risk
UST - Building 210	Soil	Human Health	No	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). PFAS <HILs Opportunity for exposure is low and manageable	L	Low
		Ecosystems	No	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). PFAS <EILs Potential for uptake from soils and accumulation in predatory animals consuming soil-dwelling animals or plants. However, the area is industrial, fenced off with significant hardstand and no natural, undisturbed ecosystems making exposure limited.	L	Low
	Sediment	Human Health	No	Ingestion Dermal contact Inhalation	PFAS <HILs Opportunity for exposure is low and manageable	L	Low
		Ecosystems	No	Ingestion Dermal contact Inhalation	PFAS <EILs Potential for uptake from soils and accumulation in predatory animals consuming soil-dwelling animals or plants. However, the area is industrial, with no natural, undisturbed ecosystems making exposure limited.	L	Low
	Surface water	Human Health	Not assessed	Ingestion Dermal contact Inhalation	Not assessed – no drainage channels directly associated with this AEC	NC	Low
		Ecosystems	Not assessed	Ingestion Dermal contact Inhalation	Not assessed – no drainage channels directly associated with this AEC	NC	Low

Area of environmental concern	Impacted media	General Receptor	Exceeds HIL/EIL	Potential exposure route	Comment	S-P-R Link complete? ¹	Residual Risk
	Groundwater	Human Health	No	Ingestion Dermal contact Inhalation	PFAS <HILs for drinking water Groundwater not abstracted in this area for any use and is not potable.	NC	Low
		Ecosystems	Yes	Ingestion Dermal contact Inhalation	PFAS >EILs for marine water ecosystem protection PFAS Groundwater may not discharge to sensitive ecosystems due to groundwater flow directions and low hydraulic gradients and the distance to the receptors. Potential PFAS mass in groundwater is very low.	L	Low

Area of environmental concern	Impacted media	General Receptor	Exceeds HIL/EIL	Potential exposure route	Comment	S-P-R Link complete? ¹	Residual Risk
Other minor sources							
Hangars	Soil	Human Health	No	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). PFAS <HILs Opportunity for exposure is low and manageable	L	Low
		Ecosystems	No	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). PFAS <EILs Potential for uptake from soils and accumulation in predatory animals consuming soil-dwelling animals or plants. However, the area is industrial, fenced off with significant hardstand and no natural, undisturbed ecosystems making exposure limited.	L	Low
	Sediment	Human Health	No	Ingestion Dermal contact Inhalation	PFAS <HILs Opportunity for exposure is low and manageable as sediments are confined to drains where access is limited	L	Low
		Ecosystems	No	Ingestion Dermal contact Inhalation	PFAS <EILs Potential for uptake from soils and accumulation in predatory animals consuming soil-dwelling animals or plants. However, the area is industrial, fenced off with significant hardstand and no natural, undisturbed ecosystems making exposure limited.	L	Low
	Surface water	Human Health	Not assessed	Ingestion Dermal contact Inhalation	No water to sample - Suggests this transport pathway is ephemeral and insignificant	NC	Low
		Ecosystems	Not assessed	Ingestion Dermal contact Inhalation	No water to sample - Suggests this transport pathway is ephemeral and insignificant	NC	Low

Area of environmental concern	Impacted media	General Receptor	Exceeds HIL/EIL	Potential exposure route	Comment	S-P-R Link complete? ¹	Residual Risk
Former land farm	Groundwater	Human Health	No	Ingestion Dermal contact Inhalation	PFAS <HILs Groundwater not abstracted in this area for any use and is not potable	NC	Low
		Ecosystems	Yes	Ingestion Dermal contact Inhalation	PFAS >EILs for marine water ecosystem protection PFAS Groundwater may not discharge to sensitive ecosystems due to groundwater flow directions and low hydraulic gradients and the distance to the receptors. Potential PFAS mass in groundwater is very low.	L	Low
	Soil	Human Health	No	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). PFAS <HILs Opportunity for exposure is low and manageable	L	Low
		Ecosystems	No	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). PFAS <EILs Potential for uptake from soils and accumulation in predatory animals consuming soil-dwelling animals or plants. However, the area is industrial, fenced off with significant hardstand and no natural, undisturbed ecosystems making exposure limited.	L	Low
	Sediment	Human Health	No	Ingestion Dermal contact Inhalation	PFAS <HILs Opportunity for exposure is low and manageable as sediments are confined to drains where access is limited	L	Low
		Ecosystems	No	Ingestion Dermal contact Inhalation	PFAS <EILs Potential for uptake from soils and accumulation in predatory animals consuming soil-dwelling animals or plants. However, the area is industrial, fenced off with significant hardstand and no natural, undisturbed ecosystems making exposure limited.	L	Low

Area of environmental concern	Impacted media	General Receptor	Exceeds HIL/EIL	Potential exposure route	Comment	S-P-R Link complete? ¹	Residual Risk
Former Aircraft parking - North	Surface water	Human Health	Not assessed	Ingestion Dermal contact Inhalation	No water to sample - Suggests this transport pathway is ephemeral and insignificant	NC	Low
		Ecosystems	Not assessed	Ingestion Dermal contact Inhalation	No water to sample - Suggests this transport pathway is ephemeral and insignificant	NC	Low
	Groundwater	Human Health	No	Ingestion Dermal contact Inhalation	PFAS <HILs Groundwater not abstracted in this area for any use and is not potable	NC	Low
		Ecosystems	No	Ingestion Dermal contact Inhalation	PFAS <EILs but one detect of PFOA PFAS Groundwater may not discharge to sensitive ecosystems due to groundwater flow directions and low hydraulic gradients and the distance to the receptors. Potential PFAS mass in groundwater is very low.	L	Low
	Soil	Human Health	No	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). PFAS <HILs Opportunity for exposure is low and manageable	L	Low
		Ecosystems	No	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). PFAS <EILs Potential for uptake from soils and accumulation in predatory animals consuming soil-dwelling animals or plants. However, the area is industrial, fenced off with significant hardstand and no natural, undisturbed ecosystems making exposure limited.	L	Low

Area of environmental concern	Impacted media	General Receptor	Exceeds HIL/EIL	Potential exposure route	Comment	S-P-R Link complete? ¹	Residual Risk
	Sediment	Human Health	No	Ingestion Dermal contact Inhalation	PFAS <HILs Opportunity for exposure is low and manageable as sediments are confined to drains where access is limited	L	Low
		Ecosystems	No	Ingestion Dermal contact Inhalation	PFAS <EILs Potential for uptake from soils and accumulation in predatory animals consuming soil-dwelling animals or plants. However, the area is industrial, fenced off with significant hardstand and no natural, undisturbed ecosystems making exposure limited.	L	Low
	Surface water	Human Health	Not assessed	Ingestion Dermal contact Inhalation	No water to sample - Suggests this transport pathway is ephemeral and insignificant	NC	Low
		Ecosystems	Not assessed	Ingestion Dermal contact Inhalation	No water to sample - Suggests this transport pathway is ephemeral and insignificant	NC	Low
	Groundwater	Human Health	Not assessed	Ingestion Dermal contact Inhalation	Not assessed	NC	Low
		Ecosystems	Not assessed	Ingestion Dermal contact Inhalation	Not assessed	NC	Low

Area of environmental concern	Impacted media	General Receptor	Exceeds HIL/EIL	Potential exposure route	Comment	S-P-R Link complete? ¹	Residual Risk
Former Aircraft parking - South	Soil	Human Health	No	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). PFAS <HILs Opportunity for exposure is low and manageable	L	Low
		Ecosystems	No	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). PFAS <EILs Potential for uptake from soils and accumulation in predatory animals consuming soil-dwelling animals or plants. However, the area is industrial, fenced off with significant hardstand and no natural, undisturbed ecosystems making exposure limited.	L	Low
	Sediment	Human Health	No	Ingestion Dermal contact Inhalation	PFAS <HILs Opportunity for exposure is low and manageable as sediments are confined to drains where access is limited	L	Low
		Ecosystems	No	Ingestion Dermal contact Inhalation	PFAS <EILs Potential for uptake from soils and accumulation in predatory animals consuming soil-dwelling animals or plants. However, the area is industrial, fenced off with significant hardstand and no natural, undisturbed ecosystems making exposure limited.	L	Low
	Surface water	Human Health	No	Ingestion Dermal contact Inhalation	PFAS <HILs	NC	Low
		Ecosystems	Yes	Ingestion Dermal contact Inhalation	PFAS > EIL for Marine Water protection. Potential for uptake and accumulation in plants and animals however, water is ephemeral and therefore only periodically available for animal consumption	L	Low

Area of environmental concern	Impacted media	General Receptor	Exceeds HIL/EIL	Potential exposure route	Comment	S-P-R Link complete? ¹	Residual Risk
	Groundwater	Human Health	Yes	Ingestion Dermal contact Inhalation	PFAS >HILs for drinking water and recreational use PFAS>HIL for drinking water and recreational use Groundwater not abstracted in this area for any use and is not potable Groundwater may not discharge to sensitive ecosystems due to groundwater flow directions and low hydraulic gradients so primary contact recreation may not be realised	L	Low
		Ecosystems	Yes	Ingestion Dermal contact Inhalation	PFAS >EILs for marine water ecosystem protection PFAS Groundwater may not discharge to sensitive ecosystems due to groundwater flow directions and low hydraulic gradients and the distance to the receptors. Potential PFAS mass in groundwater is very low.	L	Low
Civil air terminal	Soil	Human Health	No	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). PFAS <HILs Opportunity for exposure is low and manageable	L	Low
		Ecosystems	No	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). PFAS <EILs Potential for uptake from soils and accumulation in predatory animals consuming soil-dwelling animals or plants. However, the area is industrial, with significant hardstand and no natural, undisturbed ecosystems making exposure limited.	L	Low
	Sediment	Human Health	No	Ingestion Dermal contact Inhalation	PFAS <HILs Opportunity for exposure is low and manageable as sediments are confined to drains where access is limited	L	Low

Area of environmental concern	Impacted media	General Receptor	Exceeds HIL/EIL	Potential exposure route	Comment	S-P-R Link complete? ¹	Residual Risk
	Surface water	Ecosystems	No	Ingestion Dermal contact Inhalation	PFAS <EILs Potential for uptake from soils and accumulation in predatory animals consuming soil-dwelling animals or plants. However, the area is industrial, fenced off with significant hardstand and no natural, undisturbed ecosystems making exposure limited.	L	Low
		Human Health	Not assessed	Ingestion Dermal contact Inhalation	No water to sample - Suggests this transport pathway is ephemeral and insignificant	NC	Low
		Ecosystems	Not assessed	Ingestion Dermal contact Inhalation	No water to sample - Suggests this transport pathway is ephemeral and insignificant	NC	Low
	Groundwater	Human Health	No	Ingestion Dermal contact Inhalation	PFAS <HILs Groundwater not abstracted in this area for any use and is not potable	NC	Low
		Ecosystems	Yes	Ingestion Dermal contact Inhalation	PFAS >EILs for marine water ecosystem protection PFAS Groundwater may not discharge to sensitive ecosystems due to groundwater flow directions and low hydraulic gradients and the distance to the receptors. Potential PFAS mass in groundwater is very low.	L	Low
Additional onsite and grid samples	Soil	Human Health	No	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). PFAS <HILs Low level PFAS across a significant area of RAAF Base Learmonth. Opportunity for exposure is low and manageable	L	Low

Area of environmental concern	Impacted media	General Receptor	Exceeds HIL/EIL	Potential exposure route	Comment	S-P-R Link complete? ¹	Residual Risk
	Sediment	Ecosystems	Yes	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). PFAS >EIL Interim Ecological Indirect Exposure Commercial/Industrial (one location only) Potential for uptake from soils and accumulation in predatory animals consuming soil-dwelling animals or plants. However, there are few areas of natural, undisturbed ecosystems making exposure limited.	L	Low
		Human Health	No	Ingestion Dermal contact Inhalation	PFAS <HILs Opportunity for exposure is low and manageable as sediments are confined to drains where access is limited	L	Low
		Ecosystems	No	Ingestion Dermal contact Inhalation	PFAS <EILs Potential for uptake from soils and accumulation in predatory animals consuming soil-dwelling animals or plants.	L	Low
	Surface water	Human Health	Yes	Ingestion Dermal contact Inhalation	PFAS>HIL for drinking water and recreational use Surface water is ephemeral and not a viable potable or recreational resource.	NC	Low
		Ecosystems	Yes	Ingestion Dermal contact Inhalation	PFAS >EIL for marine water ecosystem protection Not likely to discharge to sensitive receptors given the distance to the receptors.	L	Low
		Human Health	Yes	Ingestion Dermal contact Inhalation	PFAS >HIL for Drinking water Groundwater not abstracted in this area for any use and is not potable	NC	Low
		Ecosystems	Yes (one only)	Ingestion	PFAS >EIL for marine water ecosystem protection	L	Low

Area of environmental concern	Impacted media	General Receptor	Exceeds HIL/EIL	Potential exposure route	Comment	S-P-R Link complete? ¹	Residual Risk
				Dermal contact Inhalation	PFAS Groundwater may not discharge to sensitive ecosystems due to groundwater flow directions and low hydraulic gradients. Potential PFAS mass in groundwater is very low.		

Area of environmental concern	Impacted media	General Receptor	Exceeds HIL/EIL	Potential exposure route	Comment	S-P-R Link complete? ¹	Residual Risk
Additional offsite and grid samples	Soil	Human Health	No	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). PFAS <HILs Opportunity for exposure is low and manageable	L	Low
		Ecosystems	No	Ingestion Dermal contact Inhalation	Soil was not sampled during this monitoring period in accordance with the Ongoing Monitoring Plan (OMP). PFAS <EILs Potential for uptake from soils and accumulation in predatory animals consuming soil-dwelling animals or plants.	L	Low
	Sediment	Human Health	Not assessed	Ingestion Dermal contact Inhalation	Not assessed – covered by other AECs	NC	Low
		Ecosystems	Not assessed	Ingestion Dermal contact Inhalation	Not assessed – covered by other AECs	NC	Low
	Surface water – beach seepage	Human Health	No	Ingestion Dermal contact Inhalation	PFAS<HILs	NC	Low
		Ecosystems	Not assessed	Ingestion Dermal contact Inhalation	PFAS >EILs for marine water ecosystem protection Risk is considered low as the concentrations in beach seepage samples are low (close to the LOR).	L	Low
	Groundwater	Human Health	No	Ingestion Dermal contact Inhalation	PFAS <HILs Groundwater not abstracted in this area for any use and is not potable	NC	Low

Area of environmental concern	Impacted media	General Receptor	Exceeds HIL/EIL	Potential exposure route	Comment	S-P-R Link complete? ¹	Residual Risk
		Ecosystems	Yes	Ingestion Dermal contact Inhalation	PFAS >EILs for marine water ecosystem protection PFAS Groundwater may not discharge to sensitive ecosystems due to groundwater flow directions and low hydraulic gradients and the distance to the receptors. However, coastal wells have minor impact a low PFAS mass could potentially discharge into Exmouth Gulf.	L	Low

Area of environmental concern	Impacted media	General Receptor	Exceeds HIL/EIL	Potential exposure route	Comment	S-P-R Link complete? ¹	Residual Risk
Drainage channels							
Northern Channel	Sediment	Human Health	No	Ingestion Dermal contact Inhalation	PFAS concentrations in sediment were consistent with the historical dataset. PFAS <HILs Opportunity for exposure is low and manageable as sediments are confined to drains where access is limited	L	Low
		Ecosystems	No	Ingestion Dermal contact Inhalation	PFAS concentrations in sediment were consistent with the historical dataset. PFAS <EILs Potential for uptake from soils and accumulation in predatory animals consuming soil-dwelling animals or plants.	L	Low
	Surface water	Human Health	Yes	Ingestion Dermal contact Inhalation	PFAS>HIL for drinking water Surface water is too saline to form a potable use	NC	Low
		Ecosystems	Yes	Ingestion Dermal contact Inhalation	PFAS>EIL for marine ecosystem protection Risk is considered low as Biota from Exmouth Gulf have shown no impact from PFAS.	L	Low

Area of environmental concern	Impacted media	General Receptor	Exceeds HIL/EIL	Potential exposure route	Comment	S-P-R Link complete? ¹	Residual Risk
Central Channel	Sediment	Human Health	No	Ingestion Dermal contact Inhalation	PFAS <HILs Opportunity for exposure is low and manageable as sediments are confined to drains where access is limited	L	Low
		Ecosystems	No	Ingestion Dermal contact Inhalation	PFAS <EILs Potential for uptake from soils and accumulation in predatory animals consuming soil-dwelling animals or plants.	L	Low
	Surface water	Human Health	Yes	Ingestion Dermal contact Inhalation	PFAS>HIL for drinking water Surface water is too saline to form a potable use	NC	Low
		Ecosystems	Yes	Ingestion Dermal contact Inhalation	Complete linkage; discharge to the northern reach of Wapet Creek with potential ecological receptors. Discharge is likely to be sporadic, and discharged mass will be low. Northern reach of Wapet Creek is often isolated from the rest of the creek and Exmouth Gulf so impact likely to be localised The ERA indicates some potential for elevated food chain exposures to shorebirds foraging primarily within the northern reaches of Wapet Creek (where the central drainage channel discharges) cannot be ruled out.	L	Low

Area of environmental concern	Impacted media	General Receptor	Exceeds HIL/EIL	Potential exposure route	Comment	S-P-R Link complete? ¹	Residual Risk
Southern Channel	Sediment	Human Health	No	Ingestion Dermal contact Inhalation	PFAS <HILs Opportunity for exposure is low and manageable as sediments are confined to drains where access is limited	L	Low
		Ecosystems	No	Ingestion Dermal contact Inhalation	PFAS <EILs Potential for uptake from soils and accumulation in predatory animals consuming soil-dwelling animals or plants.	L	Low
	Surface water	Human Health	Yes	Ingestion Dermal contact Inhalation	PFAS>HIL for drinking water Surface water is too saline to form a potable use	NC	Low
		Ecosystems	Yes	Ingestion Dermal contact Inhalation	PFAS>EIL for marine ecosystem protection Discharges into the southern reach of Wapet Creek where impact to biota is not reported Discharge is likely to be sporadic, and discharged mass will be low.	L	Low

Note:

¹SPR linkages were first assessed on an inherent basis to determine whether a complete linkage exists (i.e., presence of a source, pathway and receptor). Where one or more elements are absent, the linkage is classified as not complete and screened out. For linkages identified as complete or potentially complete, Tier 1 screening criteria have been applied to inform the potential risk to the relevant receptor for the assessed land use. Tier 1 outcomes are used to screen the significant of complete linkages only, and do not determine whether a linkage exists.

- **NC** = not complete
- **L** = complete, low risk (no Tier 1 exceedance or Tier 1 exceedance but exposure is limited or constrained)