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Savannah River Site

Effectiveness Monitoring Report for the Monitored Natural Attenuation (MNA) at the Chemicals, Metals, and Pesticides (CMP) Pits Operable Unit (OU) (U)

April 2020 through March 2021

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LIST OF ACRONYMS AND ABBREVIATIONS

1,1,2-TCA	1,1,2-trichloroethane
1,1-DCE	1,1-dichloroethylene
bgs	below ground surface
c-1,2-DCE	cis-1,2-dichloroethylene
CCl_4	carbon tetrachloride
CMCOC	contaminant migration constituent of concern
CMP	chemicals, metals, and pesticides
COC	constituent of concern
CSM	conceptual site model
CY	calendar year
DCM	dichloromethane (methylene chloride)
DEHP	bis-(2-ethylhexyl) phthalate
DNAPL	dense non-aqueous phase liquid
EMP	Effectiveness Monitoring Plan
EMR	Effectiveness Monitoring Report
ERH	electrical resistance heating
ft	feet
GA	Gordon aquifer
GCCZ	Green Clay Confining Zone
GWPS	groundwater protection standard
LAZ	lower aquifer zone
m	meters
µg/L	microgram per liter
MAZ	middle aquifer zone
MCL	maximum contaminant level
mg/kg	milligram per kilogram
MNA	monitored natural attenuation
OU	operable unit
PCE	tetrachloroethylene
PDB	passive diffusion bag
RA	remedial action
RCRA	Resource Conservation and Recovery Act
RFI/RI	RCRA Facility Investigation/Remedial Investigation
RG	remedial goal
ROD	Record of Decision
RSL	Regional Screening Level
SCDHEC	South Carolina Department of Health and Environmental Control
SCSU	South Carolina State University
SRNS	Savannah River Nuclear Solutions LLC
SRS	Savannah River Site
SVE	soil vapor extraction
TCCZ	Tan Clay Confining Zone
TCLC	Tan Clay Lower Clay

LIST OF ACRONYMS AND ABBREVIATIONS (*continued, end*)

TCE	trichloroethylene
t-1,2-DCE	trans-1,2-dichloroethylene
TZ	transmissive zone
USEPA	U.S. Environmental Protection Agency
UTRA	Upper Three Runs aquifer
VC	vinyl chloride
VOC	volatile organic compound
WSRC	Westinghouse Savannah River Company LLC (before October 2005)
WSRC	Washington Savannah River Company LLC (October 2005- July 2008)

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1.0 INTRODUCTION

This Effectiveness Monitoring Report (EMR) addresses the effectiveness of the Monitored Natural Attenuation (MNA) groundwater remedy at the Chemicals, Metals, and Pesticides (CMP) Pits Operable Unit (OU) for the period from April 2020 to March 2021. The monitoring requirements for the CMP Pits OU are identified in the Effectiveness Monitoring Plan (EMP) (WSRC 2006b).

1.1 Operable Unit Background

The CMP Pits OU is located in the central portion of the Savannah River Site (SRS) approximately one mile north of L Area (Figure 1). The subunits of the CMP Pits OU were evaluated in the *RCRA Facility Investigation/Remedial Investigation Addendum with Baseline Risk Assessment for the CMP Pits (U)* (WSRC 2003). The CMP Pits OU is comprised of the following subunits: Ballast Area soils; CMP Pits and associated vadose zone (Field A); vadose zone (Field B); groundwater; and surface water and sediment (Figure 2).

The actual CMP Pits consist of seven former, unlined pits placed in two rows that were designed to receive non-radioactive wastes (chemicals, metals, and pesticides) and operated from August 1971 until February 1979. Once the pits stopped receiving waste, all the open pits were covered with clay and graded. Contaminated soil and debris at the CMP Pits posed a contaminant migration and human health risk and were partially excavated in 1984. A second phase of excavation was performed at Pit 080-183G to remove a portion of significantly contaminated soil and was followed by backfilling of the pit area with clean soil and then capped. However, some contaminated soils were left in place. The previous waste in the pits and associated contaminated soils located in the CMP Pits vadose zone (Field A) were determined to be the source of groundwater contamination.

Electrical Resistance Heating (ERH) with Soil Vapor Extraction (SVE) was selected as the remedial action (RA) for the CMP Pits vadose zone in and around Field A. This remedy targeted the contaminated soil at Pit 080-183G that was left in place after the previous soil excavations which included dense non-aqueous phase liquid (DNAPL) that was present in the clay horizons beneath the pits (Figure 2). The contaminant migration constituents of concern (CMCOCs) that were identified in the Resource Conservation Recovery Act (RCRA) Facility

Investigation/Remedial Investigation (RFI/RI) Addendum (WSRC 2003) are tetrachloroethylene (PCE) and dichloromethane (DCM).

Groundwater contamination has occurred as a result of contaminants leaching from the source area soils. Following remediation of the CMP Pits vadose zone (Field A) source area, MNA was selected as the RA for the contaminated groundwater.

Surface soil contamination in the Ballast Area and vadose zone contamination in Field B have been successfully remediated via interim RAs. There is no problem warranting action and no RA objective for the surface water and sediment; however, surface water sampling is included as part of the MNA sampling.

1.2 Nature and Extent of Contamination

PCE and DCM (or methylene chloride) were identified as CMCOCs and as principal threat source material for mobility (i.e., transport from the source zone to the aquifer in less than 10 years) in the vadose zone beneath the CMP Pits. The volatile organic compound (VOC) contamination was highest in the northwest pit (Pit 080-183G) at depths between 20 and 60 feet (ft) (6.10 and 18.29 meters [m]) below ground surface (bgs). PCE was the most abundant contaminant at CMP Pits. No constituents of concern (COCs) were identified in the surface soils in the CMP Pits subunit.

In accordance with the Record of Decision (ROD) (WSRC 2004), an ERH/SVE remedy was selected to remove the DNAPL from the vadose zone. Based on the limited lateral and vertical extent of PCE contamination in the vadose zone and the intent of the selected remedy defined in the ROD, the ERH treatment area included the extent of PCE contamination above the DNAPL threshold concentrations and comprised an area of approximately 0.05 acres (0.02 hectares) in Field A (Figure 2). Further details of the DNAPL remediation are available in the 2009 EMR (SRNS 2009).

The following VOCs and pesticides were identified as human health COCs in the groundwater for the future industrial worker and/or resident: alpha-benzene hexachloride, beta-benzene hexachloride, delta-benzene hexachloride, dieldrin, lindane, bis-(2-ethylhexyl) phthalate (DEHP), bromodichloromethane, carbon tetrachloride, chloroform, DCM, PCE, and trichloroethylene

(TCE). Following the EMP for the CMP Pits, both groundwater and surface water have been sampled and analyzed for Target Compound List VOCs and/or lindane (WSRC 2006b). DEHP is a common laboratory artifact and is not believed to be present in the groundwater subunit. As of 2010, the constituent DEHP is no longer required to be sampled and/or reported. In 2013, 1,4-dioxane was added to the list of monitored constituents on an annual sampling basis.

Two VOC groundwater plumes exist at the CMP Pits, designated as the main plume and the northeast distal plume. These plumes are moving northward toward Pen Branch. Groundwater modeling indicated that the CMP Pits were the source for the main plume. Particle tracking toward and from the northeast plume suggested that its source was different from that of the main plume (WSRC 2002). A drainage ditch located approximately 361 ft (110 m) north of CMP Pits is a possible previous source area (Figure 2). It is possible that this ditch was used as a dumping location prior to the use of the actual CMP Pits. Additional characterization for the source of the distal plume using soil gas surveys was presented in the RFI/RI Addendum (WSRC 2003). Results indicated that if a source was previously present in the vadose zone, it has been depleted. It is also plausible, due to the dry zone areas within the transmissive zone (TZ) and to some degree the middle aquifer zone (MAZ), that one plume separated into two distinct plumes due to the groundwater flow paths and discharge to Pen Branch. Upwelling of the MAZ as it discharges to the stream most likely brings some contamination up into the TZ. A combination of the three explanations is probable.

As discussed below, the vertical extent of the VOC plume is mostly within the Upper Three Runs aquifer (UTRA) and includes three distinct horizons: the TZ, the MAZ, and the lower aquifer zone (LAZ). The lateral extent of the initial VOC plume was estimated at 46 acres (18.6 hectares), extending from the pit area to Pen Branch. One new Gordon aquifer (GA) well, CMP010A installed in 2019, located directly to the southeast of CMP Pits has shown that the GA may be contaminated with VOCs above MCLs. This is the first occurrence of GA contamination above MCLs.

Although vadose zone remediations have occurred, there has been forty or more years for contamination to move through the aquifers, resulting in contaminants likely partitioning onto clay particles and/or diffusing into less permeable layers, not only near the original source area at the

CMP Pits, but also throughout the aquifer system acting as a secondary contaminant source to groundwater. Figure 3 shows the CMP Pits Groundwater OU Conceptual Site Model (CSM) and any potential sources of contamination.

1.3 Observed Hydrostratigraphy at the CMP Pits OU

In the vicinity of the CMP Pits OU, the aquifers of interest include the UTRA and the underlying GA. Horizontal flow within the UTRA is divided into three discrete horizons that are separated by two semi-continuous confining zones which can be comprised of sandy clays in areas and therefore can be leaky. The horizons are: 1) the TZ – a thin aquifer feature that lies above the top portion of the tan clay, the tan clay confining zone (TCCZ), 2) the MAZ – a thin aquifer horizon between the TCCZ and the lower portion of the tan clay, the tan clay lower clay (TCLC), and 3) the LAZ - the most substantial portion of the UTRA in the area, which extends to the green clay confining zone (GCCZ) with a thickness up to 100 ft (30.48 m). The GCCZ separates the UTRA from the GA and is comprised of single or multiple layers of dark greenish grey to black clay to sandy clay. Fine to medium grained sands to silty/clayey sands exist in-between the clay layers. The confining zones are hummocky, vary in thickness, and can be almost non-existent or leaky in areas. In general, the TCCZ is thinner in the UTRA than the TCLC.

Using the data collected from lithology pushes done for the 2002 modeling effort and from well installation records, the confining unit surfaces of the TCCZ and TCLC were spatially mapped (Figure 4) and compared to the most current fourth quarter 2020 (4Q2020) water elevation surfaces. Areas where the TZ and MAZ are suspected to be dry were delineated and are shown on Figure 4, as well as on all TZ and MAZ figures, and can be seen in the cross sections (See Section 2.2.2). The top of the TCCZ forms a semi-circular ridge at and north of the CMP Pits (shown as white and light pink shaded elevations in Figure 4), which causes much of the TZ to be dry. This shape is mimicked in the top of the TCLC, but the subsequent dry zone is not as extensive. The dry zones at CMP Pits are not a recent occurrence. Review of water elevation data from the 1980's and 1990's from abandoned wells suggests similar dry zones have existed for decades.

Figure 5 shows the locations of the 74 monitoring wells and eight surface water stations associated with the CMP Pits OU. The map also shows corresponding cross-section lines which depict the

local hydrostratigraphic lithology and major contaminant plumes at the CMP Pits OU. The stratigraphy, aquifers and plumes are all, in general, gently sloping towards Pen Branch. However, the confining units appear to slope towards the south in some areas at the main CMP Pits area (Figure 4 and cross-section B-B' [See Section 2.2.2]). Although the TCCZ and the TCLC are depicted as continuous units in the cross-sections, the aquifer behavior in this area shows various elevation heads and contaminant pathways that indicate the confining horizons are discontinuous and/or intermixed with sandy clays in areas. The TZ, TCCZ, MAZ, TCLC, and LAZ units are eventually incised by Pen Branch itself and/or the local topography. In the CMP Pits OU area of interest (extent of the maps), the TZ is incised by Pen Branch on the east side of the stream reach, the MAZ is incised in the central portion of the stream reach, and the LAZ is partially incised by Pen Branch at the western portion of the stream. The horizontal extent of the TZ and MAZ are depicted on all TZ and MAZ maps.

1.4 Observed Hydrology at the CMP Pits OU

Regional groundwater flow for the UTRA, as depicted in Figure 6, is to the northwest towards Pen Branch from CMP Pits. The latest compiled potentiometric surfaces from the calendar year (CY) 4Q2020 are displayed for each of the aquifer zones in Figure 7 and Figure 8. These potentiometric surfaces do not show any unusual pattern of flow from previous measurements. Figure 9 depicts the monthly rainfall levels in nearby L Area for 2017 – 2020 and the 20-year average. Rainfall during 2020 (total of 56.80 inches) measured greater than the 2019 measurements and was above the 20-year average (47.66 inches). The months of January, February, and March were especially wet months. October and December were dry months. In general, monitoring wells showed a slight increase in water elevations during 2020 or displayed similar water elevations compared to 2019 measurements. Hydrographs of each well are presented in Appendix A.

A small region of radial flow appears to be superimposed upon the northwestward flow beneath the hill on which the CMP Pits are located and is depicted by the groundwater flow direction arrows in Figure 7. This pattern is due to the locally high topography at CMP Pits (Figure 2) as well as the bowl-like structure of the Tan Clay, especially in the upper TCCZ (Figure 4). Based on water elevations in the MAZ not being fully saturated, it appears the TZ may consist of perched water tables in many locations. The bowl-like structure of the tan clay as depicted in Figure 4

further supports this conclusion as the lower elevation of the TCCZ in the eastern portion of the CMP Pits may locally funnel groundwater to the south and southeast following the slope of the TCCZ before eventually flowing to the north and northwest. Water may mound up in the bowl-like structure as water is pushed towards the northwest from the overall regional groundwater flow and as water flows downslope, as shown in Figure 7 in the TZ, with the wells located directly around CMP Pits (CMP 34D, CMP 13D, CMP 35D, CMP 10D, and CMP 11D) and may exhibit a radial groundwater flow path with an additional south or southwest gradient. Some years display a more pronounced southerly flow gradient than others. During 2020, there appears to be a slightly more north to northwest flow path from the CMP Pits proper area due to increase water elevations across the area. The 4Q2020 results show slightly less dry zone area within the TZ and MAZ aquifers in the CMP Pits area than recent years due to increased rainfall at SRS during 2020.

The flow pattern in the MAZ generally resembles that of the TZ. Flow directions in the LAZ and GA are less defined, as the horizontal gradients are less across the area, as discussed below. In the area around the CMP Pits and towards the west and north, the water elevations in the LAZ are generally very similar and vary by up to 2 feet (Figure 8). Measurements show that groundwater in the vicinity of Pen Branch flows toward Pen Branch on both the southern and northern side of the stream, further supporting that contaminants originating south of Pen Branch from CMP Pits are not flowing underneath Pen Branch towards the north. Water elevations in the LAZ on the north side of Pen Branch are higher than elevations on the south side of Pen Branch.

Estimated horizontal groundwater linear velocities have been calculated for the following groundwater flow paths:

- Figure 7 - TZ aquifer flow paths A – A', B – B', and C – C';
- Figure 7 - MAZ flow paths A – A' and B – B';
- Figure 8 – LAZ flow paths A – A', B – B', and C – C'; and
- Figure 8 – GA flow path A – A'.

Estimated horizontal groundwater linear velocities were calculated for each of the above flow paths using the following equation:

$$Linear\ Velocity\ \left(\frac{ft}{day}\right) = \frac{Hydraulic\ Conductivity\ \left(\frac{ft}{day}\right)}{Porosity\ (unitless)}\ x\ \frac{dh\ (ft)}{dl\ (ft)}$$

The hydraulic conductivity constants (8, 50, and 30 ft/day for the TZ, MAZ, and LAZ, respectively) and porosity values (all 30%) used in the calculations are taken from the final calibrated 2017 modeling effort (SRNS 2017). For the GA, the hydraulic conductivity constant of 20 ft/day and porosity value of 30% is used based on investigations in other nearby groundwater/waste sites at SRS. The value *dh* is the difference in head; *dl* is the length of the groundwater flow paths shown on Figures 7 and 8. The ratio *dh/dl* is the horizontal gradient. The gradient, linear velocity per day and average linear velocity per year were each determined and are provided in Table 2 and described below.

Estimated velocities vary within the TZ between 0.12 ft/day on the western side of the CMP Pits and 0.38 ft/day on the eastern side. This variation could be caused by a combination of factors including the large dry zone area and the radial groundwater flow paths at the CMP Pits knoll, as discussed above. The average for the TZ is 0.29 ft/day, or 106.14 ft/year. The MAZ is more uniform in its rates and averages at 1.72 ft/day, or 629.48 ft/year. The LAZ's rate is much less than the MAZ near CMP Pits with a rate of 0.22 ft/day, or 80.42 ft/year (LAZ A – A' Flow Path). Flow is greater near Pen Branch, especially on the north side of Pen Branch with a flow velocity of 1.44 ft/day, or 524.78 ft/year (LAZ C – C' Flow Path); however, flow rates are still less than the MAZ. The GA potentiometric surface is extremely flat compared to the UTRA aquifer as the water elevations only vary 4.2 feet in elevation across the whole CMP Pits monitored area. Horizontal flow velocity for the GA was calculated as 0.04 ft/day, or 16.33 ft/year and flow direction is towards the south/southeast and is consistent with the regional GA flow.

There is a significant downward component to groundwater flow throughout the UTRA. Water level measurements collected from well clusters during 2020 show an average head drop of 9.32 ft (2.84 m) across the TCCZ and an average of 14.5 ft (4.4 m) across the TCLC. There is an average of a 14.7 ft (4.5 m) drop in head across the Green Clay from the LAZ to the GA. As groundwater approaches Pen Branch, the downward gradient may decrease or even flow upward near and underneath Pen Branch as water discharges into Pen Branch. Monitoring well cluster

CMP064BU and CMP064B (both screened in the LAZ) shows a higher water elevation in the lower B screen than the upper BU screen (Figure 8). Additionally, wells in the wetland area near Pen Branch display water table elevations approximately 1 – 3 ft (0.3 – 0.9 m) above the stream bottom, indicating that Pen Branch is a gaining stream. Other wells, CMP 8 and CMP 8B, located upgradient of the wetland area display a much lower than average downward gradient of approximately 5 ft (1.5 m) across the TCLC. The TCCZ and TCLC are not considered thick competent confining clays, but rather are hummocky, vary in thickness, and can be almost non-existent or leaky in areas allowing some degree of flow between aquifers. The steep topography south of Pen Branch incises the TCCZ and TCLC, the sediment around the stream has been reworked over time as the stream has meandered, and trees and roots have penetrated the clay layers allowing more interchange between aquifers.

2.0 REMEDIAL ACTIONS

This EMR documents the performance of the MNA remedy for the groundwater. Remedial activities for the vadose zone and Ballast Area Soils subunits were performed under an interim RA in 2001 and 2005, respectively (WSRC 1999 and WSRC 2006a). ERH combined with SVE was implemented from 2007 through 2009 to remove DNAPL from the vadose zone (Figure 2). This interim RA mitigated the source within the vadose zone for the groundwater subunit which allows for the MNA remedy.

2.1 CMP Pits Vadose Zone Remedial Action

The ERH/SVE RA performed for the CMP Pits vadose zone was implemented to mitigate the CMCOCs PCE and DCM. Details of system construction are provided in the Post-Construction Report (SRNS 2008). ERH/SVE operation began on March 17, 2008. Heating via ERH continued until November 2008. Two SVE systems provided the VOC removal at the CMP Pits well field. SVE well effluent vapor concentrations and soil temperature data were analyzed to determine when the source term/DNAPL had been depleted. Operating data from the ERH system was provided in the EMR submitted in June 2009 (SRNS 2009).

In accordance with the EMP, confirmation samples were collected from three core locations. All sample results were below the remedial goal (RG) for PCE (30.7 mg/kg) and DCM (0.2 mg/kg)

(SRNS 2010) meeting the intent of the RA. All remedial equipment and SVE units have been removed. Even though the RA was successful and confirmation samples were below RGs, there is a possibility that residual contamination trapped within clay horizons and/or pore space in the vadose zone, in or out of the ERH/SVE zone, could act as a secondary, source for groundwater contamination, albeit much smaller than the original source.

2.2 Groundwater Monitored Natural Attenuation Remedy

2.2.1 Groundwater Aquifers

As described above, groundwater analysis has been performed around the CMP Pits in four distinct aquifer zones of the UTRA and the GA. These zones in descending order are 1) the TZ of the UTRA, 2) the MAZ of the UTRA, 3) the LAZ of the UTRA, and 4) the GA.

Groundwater within these aquifers is currently monitored by the 74 wells which have been sampled on a semi-annual or annual basis (Table 1, Figure 5). The TZ includes 13 monitoring wells, the MAZ includes 26 monitoring wells, the LAZ includes 29 monitoring wells, and the GA includes six monitoring wells. All wells are used for water level measurements and the majority are sampled for VOCs and/or lindane. Eight surface water stations north of CMP Pits located in the Pen Branch stream were used to monitor any discharge of VOCs to the stream (Figure 5). Table 1 indicates the monitoring network required sampling frequency and the constituents that are monitored.

Based on the evaluation of monitoring data, advection and dispersion are the main MNA processes occurring at CMP Pits. Based on sampling analysis, some degree of biodegradation is occurring in the wetland area near Pen Branch, although it is not seen in much significance upgradient in the CMP Pits area outside the immediate wetland area. The original 2002 groundwater model only accounted for advection and dispersion and estimated the plumes would remain above maximum contaminant levels (MCLs) for a minimum of 50 years (~2050) and as long as 130 year (~2130) even if the vadose zone source was completely remediated (WSRC 2002). An updated model conducted in 2017 added sorption and continuing VOC sources in clays and estimated the plumes will remain above MCLs for approximately 100 years (~2117). The increase in minimum time is

mostly attributed to sorption but is within the range of timeframes calculated in the original 2002 model (50 – 130 years [calendar year 2050 – 2130]).

2.2.2 Groundwater Sampling Results

Groundwater samples were collected from 66 monitoring wells at CMP Pits mostly during CY 2Q2020 and 4Q2020. Eleven (11) of the 74 monitoring wells are only used for water level measurements; however, well CMP 15B was additionally sampled during 2020. All groundwater results from April 2020 through March 2021 are provided in Table 3. Plumes were drawn based on the maximum concentration from the time period's results. Details on specific contaminants are described in the following subsections.

2.2.2.1 PCE and TCE

PCE and TCE contamination has been identified in the TZ, MAZ, and LAZ above MCLs. The PCE plumes comprise approximately 46 acres (18.6 hectares) (Figures 10 and 11), and the TCE plumes comprise approximately 45 acres (18.2 hectares) (Figures 17 and 18). The majority of the horizontal plume movement occurs in the MAZ, which is consistent with modeling estimates. Vertical movement of the plumes are occurring as shown by an overall trend of decreasing concentrations in the MAZ, and an increasing trend in portions of the LAZ (Appendix B and Figures 15, 16, and 33). This is also consistent with modeling, as concentrations in the LAZ are predicted to increase over time. Additionally, samples collected from GA well CMP010A detected PCE and TCE above MCLs. Sixty-five (65) of the 66 monitoring wells were sampled in 2020 for VOCs (two wells are only analyzed for lindane). Thirty (30) wells had PCE concentrations above the MCL of 5.0 µg/L and 26 wells had TCE concentrations above the MCL of 5.0 µg/L. Most of the monitoring wells (86%) show a declining or steady (including consistent non-detects) trend in PCE and TCE over the past 10 years as shown in the time-series plots for all the wells in Appendix B, Figure 32, and summarized below.

The following is a summary of the PCE and TCE contaminant trends by aquifer for the April 2020 through March 2021 reporting period.

Transmissive Zone:

The maximum concentrations of PCE and TCE found in the TZ were 1,890 µg/L for PCE (Figure 10) and 1,110 µg/L for TCE (Figure 17) both at monitoring well CMP 35D. There were eight monitoring wells (out of 11 sampled) screened in the TZ that had PCE and/or TCE concentrations above the MCL in 2020. Upgradient wells CMP062D and CMP063D were non-detect for both PCE and TCE.

Wells CMP 10D and CMP 11D have shown consistently high PCE and TCE values; however as shown in Appendix B, the trends for these wells over the past 10 years have generally declined. Concentrations in well CMP 10D and CMP 11D during 2020 were similar to concentrations during 2019. Contamination in these two wells is a result of contaminants being transported by localized radial groundwater flow at the CMP Pits knoll, as described in Section 1.4 and shown in Figure 7, or by contaminants following the slopes of the confining units (Figure 4). Due to the shape of the TCCZ surface and the subsequent dry area that is created in the TZ, contamination may have been funneled towards the south and southeast towards CMP 10D and CMP 11D. Well clusters CMP062 and CMP063 remain below MCLs showing that contamination has not spread substantially to the south/southeast.

Well CMP 35D has generally displayed increasing concentrations over the last 10 years; however, this is as wells CMP 10D and CMP 11D have generally shown decreases in their concentrations. The inversely related trends in wells CMP 10D and CMP 35D (Figure 31), for both VOCs and lindane, suggest it could be tied to hydrogeologic processes associated with the complex radial groundwater flow patterns due to the surface shape of the TCCZ and resulting dry zones in the TZ. Water elevation increases due to less drought-like conditions in recent years possibly provided a mechanism for increased flow towards the northwest in the CMP 10D and CMP 35D area. This may also provide more opportunity for dispersion and diffusion from CMP 10D as there is more water volume available in the TZ. Additionally, the increased water elevations may allow release of trapped secondary sourced contamination in clay horizons or pore space into the groundwater since well CMP 35D is located downgradient of the CMP Pits. Since CMP 35D is located directly outside of the capped area, the low permeability cap at CMP Pits may retard infiltration and the

effect of water elevation increases may be more pronounced. Figure 32 indicates a possible correlation between water elevation and contaminant levels of PCE at CMP 35D.

Due to the increases observed at well CMP 35D, PCE and TCE have been additionally analyzed at nearby well CMP34D. This well had previously shown high levels of PCE (1,460 µg/L) and TCE (417 µg/L) in 2001 but was not included in the CMP OU EMP with VOC analyses and therefore did not include VOC results since 2009. SRS began sampling well CMP 34D for VOCs starting in 2019. The 2Q2020 results decreased to a maximum result of 1,060 µg/L for PCE and 9.61 µg/L for TCE (Appendix B Pages B-15 and B-65). The elevated results in the TZ for wells CMP34D and CMP 35D may indicate that some amount of contaminant source is present within the vadose zone or pore space above the water table. It is noted that the PCE/TCE ratios are significantly different in the two wells, indicating a complex source composition/history.

The TZ plume geometry is shown in Figure 10 for PCE and in Figure 17 for TCE. The main plume at and around the CMP Pits has remained roughly the same in size with concentrations near the actual pits area continuing to decrease at well CMP 10D but increasing at well CMP 35D and CMP 34D as previously discussed. The high concentrations have remained relatively confined near these two wells which may indicate that the mass of contaminants is likely not extensive. PCE concentrations at well CMP 11D have generally decreased since 2010 whereas TCE concentrations at well CMP 11D have generally remained stable. Concentrations of PCE at CMP 13D slightly exceeded the MCL during 2020 and displays a slight increasing trend. Concentrations at well CMP 30D were non-detect for PCE and TCE.

PCE and TCE concentrations in the distal plume in the wetlands slightly decreased during 2020. These wells are generally more variable in contaminant concentrations likely due to the wetland setting and recent rainfall events. PCE and TCE concentrations at CMP 36D and CMP 37D were less than or near MCLs during 2Q2020 but increased during 4Q2020. Concentrations at CMP 38D are usually less variable and were similar to 2018 and 2019 results. The distal plume initially was thought to originate from an alternative source from the CMP Pits, as particle track modeling indicates it could be from a potential previously contaminated drainage ditch north of the CMP Pits (WSRC 2002) (located on all planar figures). As previously mentioned, characterization results of this area indicated that if a source was previously present in the vadose zone, it has been

depleted (WSRC 2003). Due to the dry zone areas within the TZ, it is plausible that bifurcation of the plume into two separate plumes occurred over time, or that some contaminant flow went around the dry zone to the east. Discharging of the MAZ and LAZ into the Pen Branch stream likely brings some contamination up into the TZ as the water discharges into Pen Branch. The clay horizons between the aquifers can be thin and/or leaky and the TCCZ and TCLC are at or near ground surface at the location of the distal plume. The steep topography south of Pen Branch incises the TCCZ and other clay layers, the sediment around the stream has been reworked over time as the stream meanders, and trees and roots have penetrated the clay layers allowing more interchange between aquifers. All of these factors are probable explanations for the distal plume.

A comparison of changes in PCE plume concentrations over the last 12 years (2020 values compared to 2008 values [Pre ERH/SVE]) can be seen in Figure 15 and Table 4. In the TZ, most plume concentrations have decreased or are steady. However, the area directly north of the CMP Pits, including monitoring wells CMP 35D, CMP 34D, and CMP 13D has increased in PCE concentrations. Concentrations to the south of the CMP Pits at wells CMP 10D and CMP 11D have both decreased more than 90% from their peak levels and show a large reduction in total mass for the TZ. Concentrations to the west at CMP 30D remains non-detect. Concentrations at CMP 35D and CMP 34D will continue to be monitored. The distal plume has decreased in both size and core concentrations indicating that the total mass being transported downgradient is decreasing. TCE trends are similar to PCE and are therefore not mapped.

Middle Aquifer Zone

The maximum concentrations found in the MAZ were 554 µg/L for PCE at well CMP 47D (Figure 10), and 115 µg/L for TCE at both wells, CMP 52C and CMP059C (Figure 17), located north of CMP Pits. The concentration of PCE detected at CMP 47D is similar to 2019 concentrations. Concentrations of TCE detected at CMP 52C and CMP059C in 2020 were similar to monitoring results reported since 2014.

There are 12 monitoring wells (out of 23 sampled) screened in the MAZ that had PCE concentrations above the MCL in 2019, and 11 monitoring wells had TCE exceedances above the MCL. The majority of the MAZ wells display a steady or decreasing trend in concentrations

(Figure 32). Wells CMB 24I display a slight increasing trend; however, the overall plume footprint has not increased. Well CMP 44D has shown an increase the last three years. Downgradient locations towards Pen Branch (CMP 40D, CMP 41D, and CMP 43D) were all below MCLs or non-detect for both PCE and TCE. The remaining MAZ wells show decreasing or no significant change in PCE concentrations. Similar trends were observed for TCE in these wells.

PCE and TCE concentrations rapidly decrease once the plume reaches the wetland area near Pen Branch where VOC degradation is occurring.

A comparison of changes in PCE plume concentrations over the last 12 years (2020 values compared to 2008 values [Pre ERH/SVE]) can be seen in Figure 15 and Table 4. In the MAZ, core plume concentrations have decreased by approximately 50% and the area of higher concentration has also decreased in size. The plume footprint appears to have expanded horizontally, but this is likely due to the new monitoring well data points collected starting in 2016 which further defined the plume to the east. Additionally, samples have more recently been able to be collected from well CMP 31C to the west, further defining the plume in that direction. Concentrations near Pen Branch in the wetland area at wells CMP 40D and CMP 39D have decreased, indicating that the flux of VOCs from the source area is decreasing and that VOC degradation in the wetland area is attenuating the plume. TCE trends are similar to PCE and are therefore not mapped.

Lower Aquifer Zone

There are nine monitoring wells (out of 26 sampled) screened in the LAZ that had PCE concentrations above the MCL in 2020. These nine wells also corresponded to the locations in the LAZ having TCE concentrations above the MCL. The LAZ maximum values decreased from 2019 concentrations. The 2020 maximum concentrations of PCE and TCE within the LAZ were 379 µg/L for PCE and 187 µg/L for TCE, both at monitoring well CMP064BU. CMP064BU is located to the east of well CMP 8B and may indicate a preferential flow path for groundwater or contaminants due to the relatively high concentrations of VOCs (Figure 11). However, concentrations at this well are displaying a slight decreasing trend. The higher concentrations observed in the LAZ are at wells located in the upper LAZ, directly below the TCLC where

contaminants are likely migrating from the MAZ and/or diffusing from the clays above. Concentrations at CMP 32C appear to have stabilized over the last four years and CMP 52C has been slightly decreasing. Concentrations of PCE at CMP 10C slightly increased in 2020, but TCE decreased.

Concentrations at six wells (CMP 8B, CMP 10B, CMP 13B, CMP 32C, CMP 52BU, and CMP058B) generally display increasing trends over the last 12 years (Appendix B and Figure 32). The majority of these wells are located in the upper portion of the LAZ. Contamination in the LAZ is limited to the upper half portion of the aquifer as seen in the three cross sections, A – A', B – B', and C-C' (Figures 12, 13, and 14). PCE and TCE concentrations in mid-LAZ plume wells CMP 10B and CMP 13B slightly decreased during 2020. Other wells vertically located mid-plume and deeper remain steady, below MCLs, or non-detect.

Upgradient wells CMP062B and CMP063B were non-detect for PCE and TCE during 2020. Downgradient wells CMP060B, CMP061B, and CMP 8B remains non-detect or below MCLs for PCE and TCE. During 2Q2020 and 4Q2020 PCE and TCE were not detected at both wells located north of Pen Branch, CMP066B and CMP067B (Figures 11 and 12).

Similar to the location of the northeast distal plume in the TZ and MAZ aquifers, VOC contaminants are present in the LAZ. Some upward vertical water elevation heads are present in the LAZ closer to Pen Branch (i.e., CMP064BU and CMP064B) which supports that the LAZ is discharging into Pen Branch (Figure 8). Contaminants are from upgradient clay layers and aquifers.

A comparison of changes in PCE plume concentrations over the last 12 years (2020 values compared to 2008 values [Pre ERH/SVE]) can be seen in Figure 16 and Table 4. LAZ plume concentrations have generally increased in the upper half of the aquifer. Increases in the LAZ are expected, as both the previous modeling effort and the more recent 2017 modeling effort also predicted increases in the LAZ over time. The area southeast of CMP Pits in the upper LAZ (well CMP 10C) is currently on a decreasing trend over the previous 10 years, suggesting the majority of source contaminants have been remediated; although recent steady trends in PCE may be due to the increased PCE contamination north of CMP Pits in the TZ at wells CMP 35D and CMP

34D. Concentrations on the western edge of the plume (well CMP 33D) have also decreased. The downgradient wells (CMP060B, CMP061B, and CMP 8B) remain below MCLs. The LAZ plume is most likely reaching Pen Branch and the wetland area east and downgradient of CMP 8B, which also correlates to the TZ and MAZ contaminants near Pen Branch. TCE trends are similar to PCE and are therefore not mapped.

Gordon Aquifer

There are six monitoring wells screened within the GA and all were sampled during 2020. CMP010A was the only GA monitoring well with PCE and TCE concentrations above MCLs, with concentrations of 198 µg/L for PCE and 80.3 µg/L for TCE. It is not fully understood how the GA at the CMP010A location became contaminated. It is possible that contamination was brought down from upper layers during drilling of the well; however, concentrations should decrease with time if this is the case. Based on the vertical contaminant profile as seen in cross section A-A' (Figure 12) transfer of contamination vertically was not expected as sampling data in the lower portion of the LAZ has shown no contamination at CMP Pits. Some of the mid LAZ screened wells have displayed PCE and TCE contamination slowly increasing above MCLs; however, this has only occurred within the last seven years, including well CMP 10B. It is plausible that some contamination has migrated along a path vertically from the CMP Pits area to the GCCZ/GA. Section 3.0, *Additional Sampling Efforts* describes how SRS will be conducting additional soil sampling to help identify if there is contamination migrating to the GA in the area.

PCE and TCE were detected at estimated low levels (<1 µg/L) at GA well CMP 12A, which is a normal occurrence. All other GA monitoring wells were non-detect for PCE and TCE.

As stated above, the contamination generally remains in the UTRA and extends down to the upper portion of the LAZ. The GA screened wells are in place to confirm contamination has not migrated farther downward than expected as described in the EMP (WSRC 2006b). Modeling did not predict contamination to reach the GA at levels above MCLs (WSRC 2002, SRNS 2017). In general, low levels of PCE and TCE below MCLs have been seen in the past in monitoring well CMP 12A and rarely at CMP 8A. The recent data collected at new monitoring well CMP010A is

the first occurrence of MCL exceedances in the GA. CMP010A will remain on a semi-annual sampling frequency.

2.2.2.2 Cis-1,2-Dichloroethylene (c-1,2-DCE)

C-1,2-DCE was detected in seven wells in 2020. Concentrations were all low values, with a maximum of 6.15 µg/L at well CMP 38D, well below the 70 µg/L MCL. Most of the wells with c-1,2-DCE are located in the wetland area near Pen Branch, suggesting degradation of PCE and TCE is occurring in the Pen Branch wetlands. The preferential degradation pathway for TCE is c-1,2-DCE as trans-1,2-dichloroethylene (t-1,2-DCE) and 1,1-DCE both of which are non-detect as discussed below.

The lack of high detectable results in other monitoring wells confirms that VOC degradation is not widely occurring throughout the aquifers and plume and that advection and dispersion are the main MNA processes occurring. VOC degradation is mainly occurring in the wetland areas near Pen Branch.

2.2.2.3 Trans-1,2-Dichloroethylene (t-1,2-DCE)

During April 2020 through March 2021, all t-1,2-DCE results were non-detect.

2.2.2.4 1,1-Dichloroethylene (1,1-DCE)

During April 2020 through March 2021, all 1,1-DCE results were non-detect.

2.2.2.5 Vinyl Chloride (VC)

During April 2020 through March 2021, all VC results were non-detect.

2.2.2.6 1,4-Dioxane

1,4-Dioxane is analyzed annually at CMP Pits. There is currently no MCL for 1,4-dioxane, but the current USEPA tap water regional screening level (RSL) is 0.46 µg/L, therefore the USEPA tap water RSL is used for contouring plume maps (Figures 19 and 20) and cross-sections (Figures 21, 22, and 23). During the April 2020 through March 2021 monitoring period, 1,4-dioxane was analyzed with two analytical methods, EPA 8260BSIM and EPA 522. As in past years, the EPA

8260BSIM method detection limit and sample quantitation limits could not meet the current USEPA RSL of 0.46 µg/L. However, the EPA 522 method limits are below the USEPA tap water RSL. Annual samples were collected for 1,4-dioxane and analyzed using both methods and compared in Table 3.

Due to the lower detection limits using the EPA 522 method, there were more detections of 1,4-dioxane than with the EPA 8260BSIM method. Detections of 1,4-dioxane occurred in 30 of the 61 wells sampled (49%) using the EPA 522 method compared to 15 wells (25%) using the EPA 8260BSIM method. Overall, there was close agreement in the results between the two methods with the EPA 8260BSIM results usually slightly higher.

The 1,4-dioxane plume mimics the distribution of the PCE and TCE plumes in all aquifers as detections and exceedances of the USEPA tap water RSL occurred in the TZ, MAZ (Figure 19), LAZ and GA (Figure 20). The maximum concentration was 80 µg/L at well CMP 35D. It was not detected in any wells north of Pen Branch. As seen in Appendix B, which plots the maximum 1,4-dioxane results for each sampling event, concentrations in wells that have had detections within the last six years have remained steady or generally decreased. However, well CMP 35D has shown an increase in 1,4-dioxane similar to other contaminant trends for this well.

There is no SC certified lab that has detection limits for 1,4-dioxane that can meet the current USEPA RSL. SRS will continue to look for and work with the labs to try to achieve the lowest possible detection limits. SRS will continue to utilize the EPA 522 method that can meet the USEPA tap water RSL, in addition to the current South Carolina Department of Health and Environmental Control (SCDHEC) approved method. If a lab/method has SC accreditation and can meet the USEPA tap water RSL, then that would be the preferable analyses method used.

2.2.2.7 Carbon Tetrachloride (CCl_4)

CCl_4 was detected in 15 wells during April 2020 through March 2021, but only exceeded the MCL of 5.0 µg/L in five wells: CMP 10D, CMP 10C, CMP 35D, CMP064BU, and CMB 15I with a maximum concentration of 22.0 µg/L at well CMP 35D. Plume maps were not created due to the limited number of exceedances.

2.2.2.8 Chloroform

Chloroform was detected in 22 wells during April 2020 through March 2021. None of the results exceeded the MCL of 80 µg/L. The maximum result was at well CMP 35D with a value of 37.0 µg/L. The highest concentrations coincide with wells that have CCl_4 contamination as chloroform is a degradation product of CCl_4.

2.2.2.9 Dichloromethane (DCM)

During April 2020 through March 2021, all DCM results were non-detect.

2.2.2.10 Bromodichloromethane

During April 2020 through March 2021, bromodichloromethane was detected at low concentrations in four wells. The maximum result was found at CMP 35D at 6.6 µg/L, below the MCL of 80 µg/L.

2.2.2.11 1,1,2-Trichloroethane (1,1,2-TCA)

During April 2020 through March 2021, 1,1,2-TCA was only detected in one well, CMP 35D at an estimated concentration of 0.44 µg/L, below the 5 µg/L MCL.

2.2.2.12 Lindane

Twenty-two wells were analyzed for lindane in 2020. The MCL for lindane is 0.2 µg/L and three wells (CMP010A, CMP 10C, and CMP 35D) had lindane concentrations that exceeded this level (Figures 24 and 25). Cross-sections with lindane plumes and concentrations are provided in Figures 26 through 28. Most of the 20 wells monitored for lindane in 2019 show slightly decreasing or steady trends in concentrations as shown in Appendix B and Figures 30, 31 and 33.

The highest lindane concentration for 2020 was 11.6 µg/L found in CMP 35D. This well has shown fluctuations in concentrations over the years, but it has been increasing since 2013 (Appendix B, page B-170). Factors contributing to this include the complex hydrogeology of groundwater flow paths, surface shape of the TCCZ (Section 1.3 and Figure 4), perched water table conditions, and water elevation increases (Section 1.4, Figure 7, and Figure 9). Increases at CMP 35D have occurred as concentrations at well CMP 10D have decreased. The inversely related

trends in wells CMP 10D and CMP 35D for both lindane and VOCs (Figure 31), suggest the increases could be tied to hydrogeologic processes associated with the radial groundwater flow patterns due to surface shape of the TCCZ and dry zones in the TZ. Higher water table elevations have possibly provided a mechanism to release contamination trapped in the vadose zone pore space or capillary fringe, as well as for groundwater to flow towards the northwest providing more opportunity for dispersion and diffusion from CMP 10D and CMP Pits. The low permeability cap retards infiltration so the effect of water table elevation increases may be more pronounced since CMP 35D is located directly outside the cap area. Figure 31 indicates a possible correlation between water elevation and contaminant levels of lindane at CMP 35D.

CMP 10C, in the Upper LAZ, shows concentrations have generally been decreasing over the past seven years. Well CMP 10B, which is screened at the bottom of the LAZ (Figure 26), remains non-detect. Due to the shape of the TCCZ surface and the subsequent dry area that is created in the TZ (Figure 4), contamination may have been funneled towards the south and southeast towards CMP 10D from the high concentration area around CMP 35D and the CMP Pits. Fluctuating water elevations could move groundwater back and forth between CMP 10D and CMP 35D or potentially release contaminants into the water table that were trapped in pore space or clay zones.

The lindane plume is estimated at approximately 3.1 acres (1.3 hectares) in the UTRA (Figures 24 and 25) and 0.2 acres (0.08 hectares) in the GA. During 2020 the area of groundwater contaminated with lindane above the MCL was confined to the CMP Pits area only, as downgradient well CMP064BU (previously above MCLs) and CMP 48D were below the MCL. The majority of the plume (including the highest concentrations) resides in the TZ. The MAZ concentrations slightly decreased in 2020 which caused no plume to be within the MAZ, and overall concentrations appear to be stable to decreasing (Figure 24). In the LAZ, Lindane was detected above the MCL only at one well, CMP 10C (Upper LAZ) above the 0.2 µg/L MCL at a concentration of 0.522 µg/L during 2Q2020 and dropped to 0.464 µg/L in 4Q2020. Lindane was not detected in the underlying lower LAZ well CMP 10B.

GA well CMP010A was sampled for lindane in 2020 and displays concentrations above the 0.2 µg/L MCL with a maximum concentration of 0.649 µg/L. As described in detail above, this vertical

contaminant trend at the CMP 10 cluster is similar to the VOC concentrations and is suspect. Lindane will continue to be analyzed at GA well CMP010A on a semi-annual frequency.

A comparison of lindane plume concentrations over the last 12 years (2020 values compared to 2008 values) can be seen in Figures 29 and 30 and Table 5. In the TZ, lindane concentrations above the MCL are currently limited to wells CMP 10D and CMP 35D. The actual TZ plume may appear larger than actual conditions on the maps due to the contour line size and scale of the maps. In the MAZ, the area to the north and northwest of the CMP Pits has experienced minor fluctuations in concentration over the past 12 years, but concentrations continue a downward trend and there was no plume above the MCL in 2020. Beginning in 2008, the LAZ experienced an initial increase in concentrations southeast of the CMP Pits at well CMP 10C; however, lindane concentrations at this location have decreased since 2015. The increase first seen at CMP 10C in 2008 is believed to be due to the shape of the surface of the Tan Clay, localized radial groundwater flow around the CMP Pits knoll, and leaky conditions within the TCCZ and TCLC. Contamination does not extend deeper than the upper portion of LAZ within the UTRA (Figures 26 and 28). The lindane plumes have minimally increased in extent in the TZ and LAZ. The lindane contamination observed at GA well CMP010A is suspect due to the vertical contaminant trends at the well cluster. Although lindane does not diffuse in aquifers as quickly as VOCs, the factors mentioned above may be further hindering contaminant advection and dispersion.

2.2.3 Surface Water Sampling Results

Surface water in Pen Branch is sampled semi-annually at eight locations along the groundwater discharge boundary (Figure 5). Two of these stations are collected in a tributary leading to Pen Branch (CMP-SW-20 and CMP-SW-21).

VOCs are analyzed semi-annually and 1,4-dioxane is analyzed annually during the fourth quarter. Table 3 and Figures 10, 11, 17, and 18 show the PCE/TCE results at each station. Modeling results predicted VOC discharge to Pen Branch above MCLs. In 2020, there were no detections of VOCs in surface water. 1,4-Dioxane was analyzed with both the EPA 8260BSIM method and the EPA 522 method, as discussed above in Section 2.2.2.6, *1,4-Dioxane*. 1,4-Dioxane was detected at one surface station, CMP-SW-20, with the EPA 522 method at an estimated concentration of 0.126

µg/L, which is below the USEPA tap water RSL of 0.46 µg/L. All other 1,4-dioxane surface water results were non-detect.

The CMP Pits VOC and 1,4-dioxane groundwater plume effects on Pen Branch are negligible as they are generally not detected in surface water. Dispersion, advection, and wetland VOC degradation are all contributing factors that reduce the groundwater impact to Pen Branch.

2.2.4 Additional Data from Independent Analysis

Sampling for VOCs has been conducted in and around Pen Branch by a South Carolina State University (SCSU) group over multiple years under a grant provided by the United States Department of Energy (USDOE). The focus of their studies is the MNA processes occurring in the stream and wetlands around Pen Branch as the VOC plume moves towards and discharges into Pen Branch. Many of the SCSU samples are collected from the groundwater immediately before discharge into Pen Branch and surface water within Pen Branch.

During 2020, SCSU sampled 11 stations within and below the Pen Branch stream. This included 16 groundwater samples within the hyporheic sediments below the stream and seven surface water samples within Pen Branch. Groundwater samples were collected from temporary wells up to 80 centimeters (31.5 inches) below the stream bottom. Samples were collected by pumping and/or the use of passive diffusion bags that were installed for at least two weeks prior to sample collection. Surface water samples were collected by grab method (scooping water out of the stream with another bottle).

Groundwater results indicated that the VOC plume is discharging and mixing within the hyporheic zone upgradient of the CMP-SW-22 surface water station. The maximum groundwater concentration results are as follows: PCE - 94.2 µg/L at SCSU station 5D1BA; TCE – 26.7 at 5DB80; c-1,2-DCE – 54.0 at 5DB80A; and VC – 31.8 at 5DZ3A. 1,1-DCE and T-1,2-DCE were not detected (Table 6). There were no detections of VOCs in any of the SCSU surface water samples. Figure 33 displays the SCSU sample locations and the maximum PCE concentrations in their groundwater and surface water stations.

Additionally, SCSU expanded its efforts in 2020 through collaboration with Pacific Northwest National Laboratory (PNNL) with microbial analysis on sediments collected during the temporary groundwater well installations. The PNNL research addressed natural attenuation questions of microbial VOC degradation using compound specific isotope analysis (CSIA) in combination with 16S rRNA and qPCR molecular analyses. Preliminary CSIA results for stable carbon isotope ratios show apparent bacterial fractionation in cis-DCE becoming vinyl chloride. Microbial analyses also detected higher abundance of Dehalogenimonas in some hyporheic sediments along the plume fringe. Dehalogenimonas has been shown to reductively dechlorinate PCE to TCE and TCE to cis-DCE anaerobically (Schieflera, et al., 2018). Further microbial research is currently ongoing and will continue into 2021 and 2022. Also, further research and analysis on VC degradation to ethylene will be conducted in the future. Further detailed results on the SCSU microbial studies and future sampling data will be provided in subsequent CMP Pits EMRs.

3.0 ADDITIONAL SAMPLING EFFORTS

Due to increasing contaminant trends in source area wells (i.e., CMP 35D and CMP 34D) and the recent discovery of potential GA contamination at CMP010A, SRS will be conducting an additional sampling effort to further characterize the current VOC soil concentrations within the vadose zone and aquifers. This will include soil headspace sampling at four boring locations around the CMP Pits source area (CMP-BR-05 through -08) and at two well installations (Figure 34). One LAZ well will be installed at the CMP 35D location (CMP035B) and one GA well will be installed at the CMP 11 well cluster (CMP011A). These borings and monitoring wells will aid in determining if there is residual contamination left in the vadose zone that is causing the increasing concentrations and will help determine contaminant sources for the CMP010A well. It is currently speculated that the GA contamination at CMP010A is temporary and resulted from drilling activities at the well and is not representative of GA groundwater conditions. The vertical contaminant trends at the well cluster are not supportive of vertical migration and also concentration trends at the CMP010A are decreasing. Additional details and discussion on additional sampling efforts for 2021 are planned to be discussed during the upcoming meeting with USDOE, USEPA, and SCDHEC currently scheduled in August 2021.

4.0 SUMMARY

A simple graphical CSM (Figure 3) has been presented to aid in the understanding of potential sources of contamination and the subsequent groundwater transport pathways. Surface maps of the Tan Clay (both the TCCZ and the TCLC) have been presented to aid in the understanding of radial groundwater flow at CMP Pits and probable contaminant transport mechanisms (Figure 4). With increased rainfall in 2020, water elevations generally increased slightly or remained similar to 2019 levels. The areas estimated to be dry in the TZ and MAZ have decreased in size from last year. Perched water tables most likely exist in parts of the TZ and MAZ. The shape of the tan clay layer and the level of the water table restrict groundwater flow movement in the TZ and MAZ and cause complex localized groundwater flow paths. This can explain some increasing contaminant trends, as contaminants may have become re-suspended with limited lateral movement.

Advection and dispersion are the main MNA processes occurring at CMP Pits, with some anaerobic biodegradation occurring in the hyporheic zone and within the wetlands around Pen Branch. The majority of groundwater and surface water results are consistent with modeling predictions (WSRC 2002, SRNS 2017), and the effectiveness monitoring data collected through March 2021 indicates that the MNA remedy is working as predicted as the majority of wells display steady or decreasing trends or either remain non-detect. However, steady increases in PCE, TCE, and /or lindane in well CMP 35D directly north of the CMP Pits have been observed since 2012. Elevated PCE was also detected in well CMP 34D in recent years. This contamination appears to be related to water elevation rise releasing residual contamination trapped in the vadose zone. Due to concerns about increasing contaminant trends in the source area and contamination detected in GA well CMP010A, an additional soil characterization effort is being conducted in 2021 to determine if residual contamination is present within the vadose zone at CMP Pits that is negatively impacting groundwater and will provide current vertical and horizontal contaminants trend data. Two additional monitoring wells will be installed (CMP035B in the LAZ and CMP011A in the GA) to provide further groundwater data and clarity to contamination profiles in the aquifer.

Wells located in the distal plume area towards the northeast show a possible preferential pathway for groundwater as relatively high levels of VOCs exist to the northeast. Dry zones may be slightly redirecting groundwater flow which may explain elevated concentrations to the northeast. Lindane concentrations decreased to below MCLs in the MAZ.

The two wells north of Pen Branch, CMP066B and CMP067B were sampled semi-annually in 2Q2020 and 4Q2020 due to a detection of PCE and TCE below MCLs at well CMP067B in 2019. These detections were not believed to be representative of groundwater conditions, as underflow beneath Pen Branch from a CMP Pit source is highly unlikely. Sampling during 2020 did not detect VOCs or 1,4-dioxane.

1,4-Dioxane was analyzed at a majority of the CMP Pits wells and at surface water stations in 2020 using two analytical methods, EPA 8260BSIM and EPA 522. As in past years, the EPA 8260BSIM method detection limit and sample quantitation limits could not meet the current USEPA RSL. However, the EPA 522 method limits are both below the USEPA tap water RSL. Due to the lower detection limits using the EPA 522 method, there were more detections of 1,4-dioxane than with the EPA 8260BSIM method. Detections of 1,4-dioxane occurred in 30 of the 61 wells sampled (49%) using the EPA 522 method compared to 15 wells (25%) using the EPA 8260BSIM method. Overall, there was close agreement in the results between the two methods. The 1,4-dioxane plume mimics the distribution of the PCE and TCE plumes in all aquifers. The maximum 1,4-dioxane concentration was 80 µg/L at TZ well CMP 35D. 1,4-Dioxane was detected at one surface station, CMP-SW-20, with the EPA 522 method at an estimated concentration of 0.126 µg/L, which is below the USEPA tap water RSL of 0.46 µg/L. All other 1,4-dioxane surface water results were non-detect. Due to its presence in groundwater, 1,4-dioxane is monitored annually and SRS will continue to monitor with both the EPA 522 and the EPA 8260BSIM method until a lab/method has SC accreditation and can meet the USEPA tap water RSL.

Screening level data that was collected in 2020 by SCSU demonstrate that the VOCs are present in shallow sediments beneath Pen Branch in discrete areas, mainly upgradient of SRS surface water station CMP-SW-22. Their data also shows that VOC degradation is occurring as higher concentrations of c-1,2-DCE and VC are present near Pen Branch, but surface water results are non-detect. SCSU expanded their sampling in 2020 to include additional sediment samples that

were collected for microbial analysis in partner with PNNL. Preliminary CSIA results for stable carbon isotope ratios show apparent bacterial fractionation in cis-DCE becoming vinyl chloride. Microbial analyses also detected higher abundance of Dehalogenimonas in some hyporheic sediments along the plume fringe. Dehalogenimonas has been shown to reductively dechlorinate PCE to TCE and TCE to cis-DCE anaerobically. Also, further research and analysis on VC degradation to ethylene will be conducted in the future. Further detailed results on the SCSU microbial studies and future sampling data will be provided in subsequent CMP Pits EMRs.

The most important indicator that the MNA remedy is performing as predicted is an evaluation of the long-term concentration trends of many monitoring wells and an interpolation of the data showing decrease in plume size over time. Although the overall plume size has minimally changed since the completion of the source term RA 11 years ago, many core concentrations continue to decline, and surface water continues to be minimally impacted as concentrations are generally non-detect. VOC biodegradation in the wetlands around Pen Branch are likely reducing the flux of VOCs into Pen Branch.

Although the modeling efforts have predicted that contamination will remain above MCLs for many decades, it would be prudent to discuss the new results and increasing source area trends with the USDOE, USEPA, and SCDHEC to determine the need for additional characterization and alternative evaluations. A meeting with the USDOE, USEPA, and SCDHEC scheduled in Spring 2021 had to be rescheduled to later this summer (currently August 2021). Recommendations for this EMR based on the SRS responses to USEPA comments on the June 2020 EMR have not been fully implemented pending further discussion with the USDOE, USEPA, and SCDHEC in August 2021.

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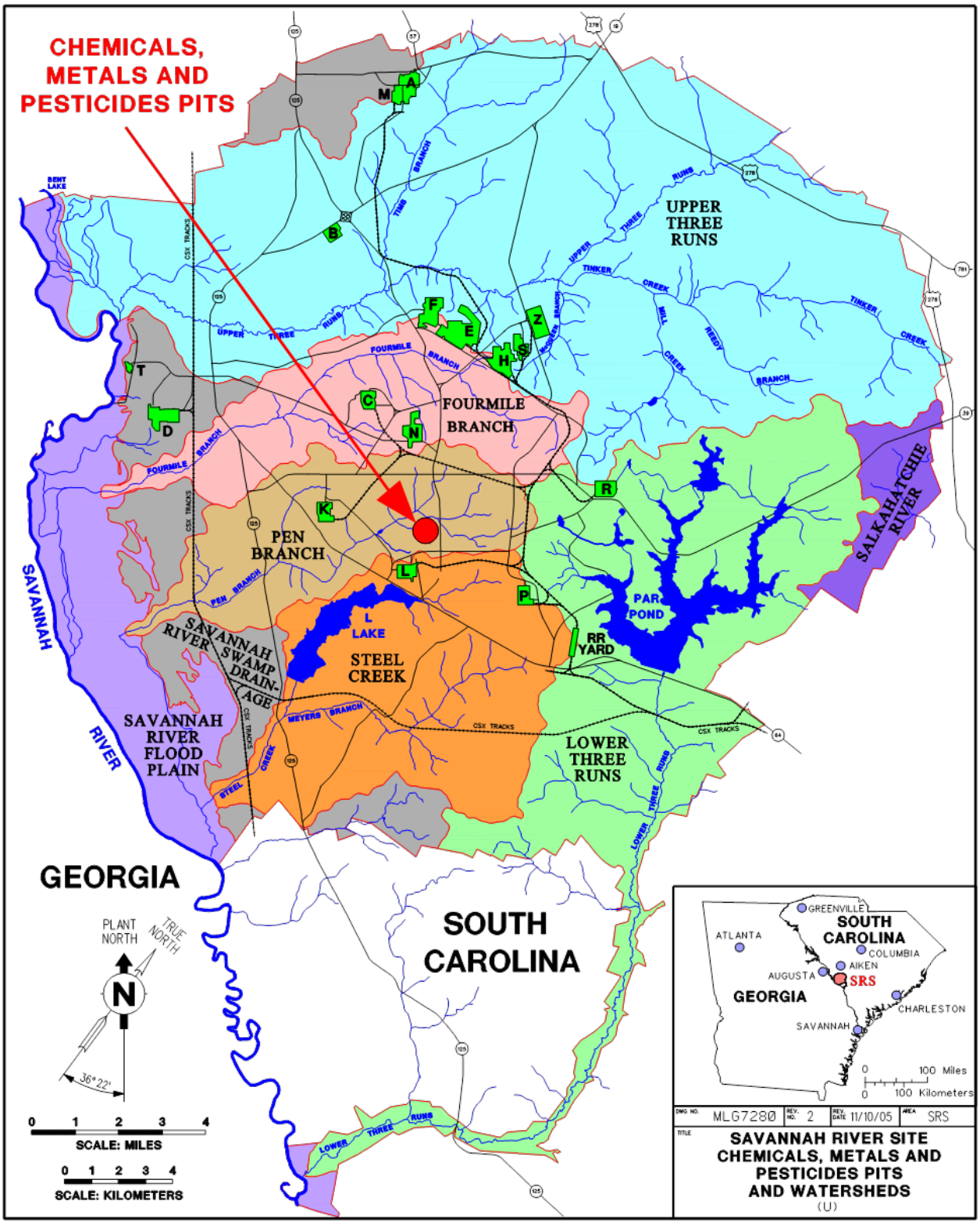


Figure 1. Location of the CMP Pits OU within the Savannah River Site

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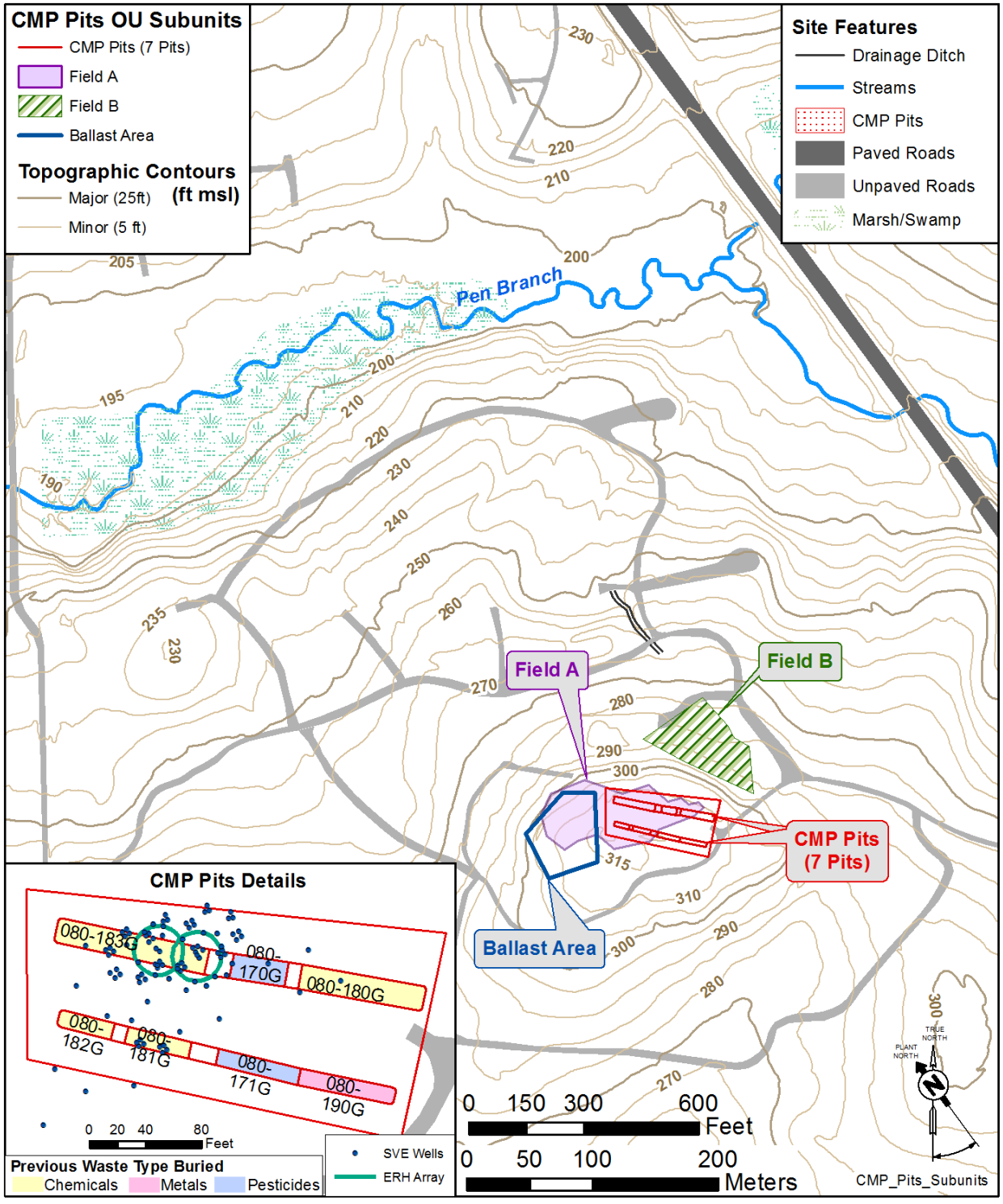


Figure 2. CMP Pits OU Subunits

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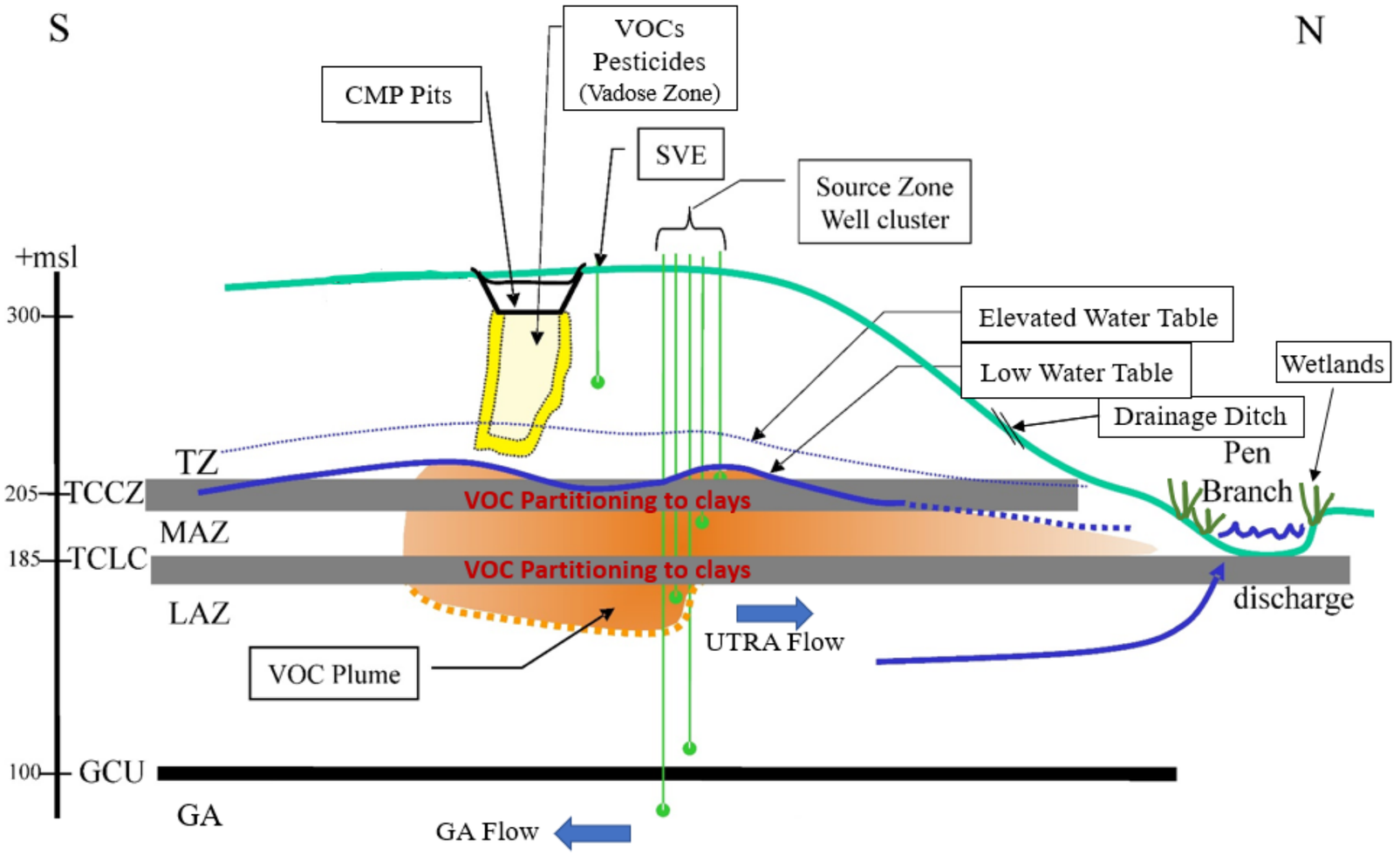


Figure 3. CMP Pits Groundwater OU Conceptual Site Model (CSM)

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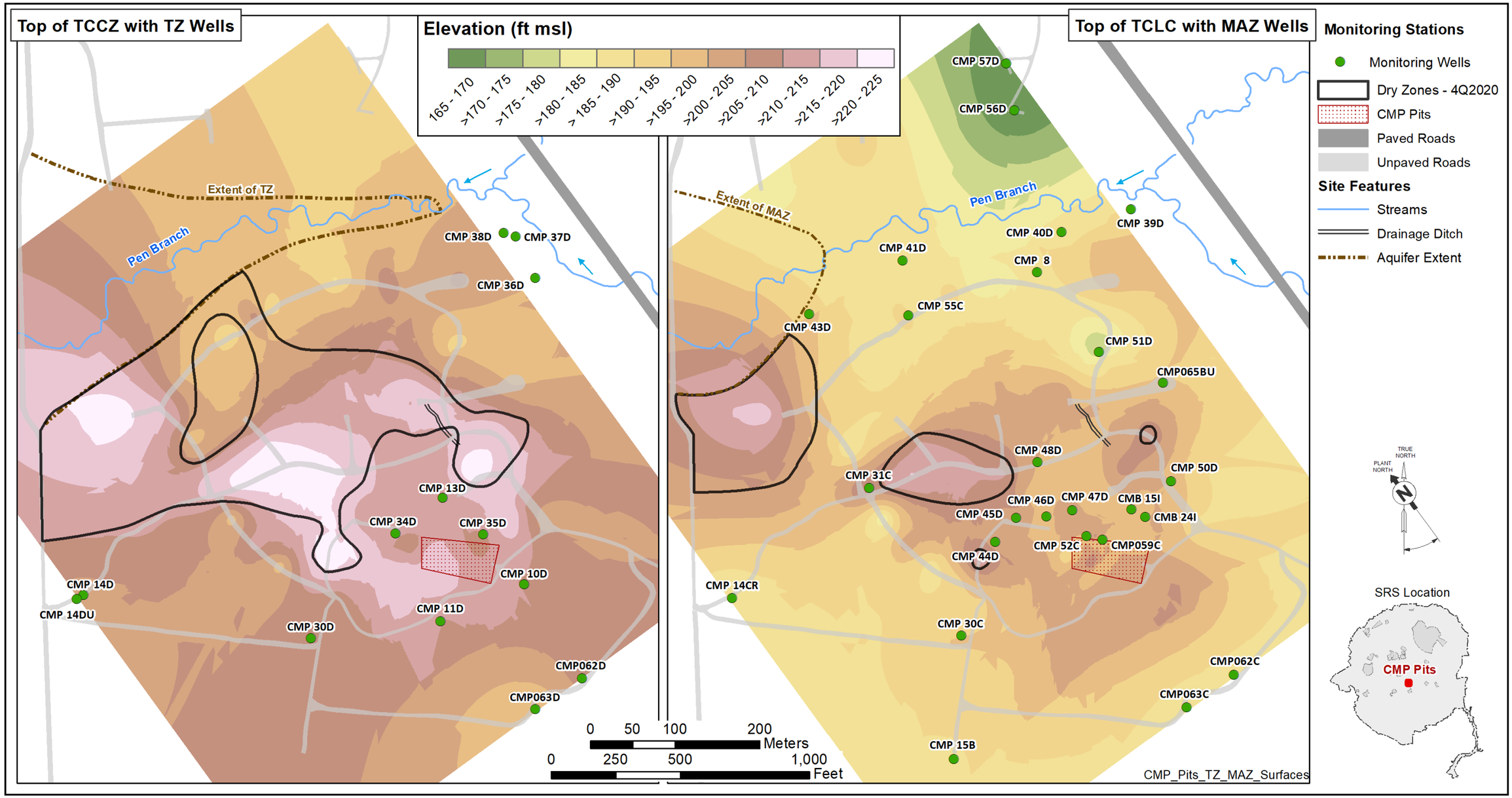


Figure 4. Stratigraphic Surfaces of the TCCZ and TCLC with 4Q2020 Dry Zones of the TZ and MAZ

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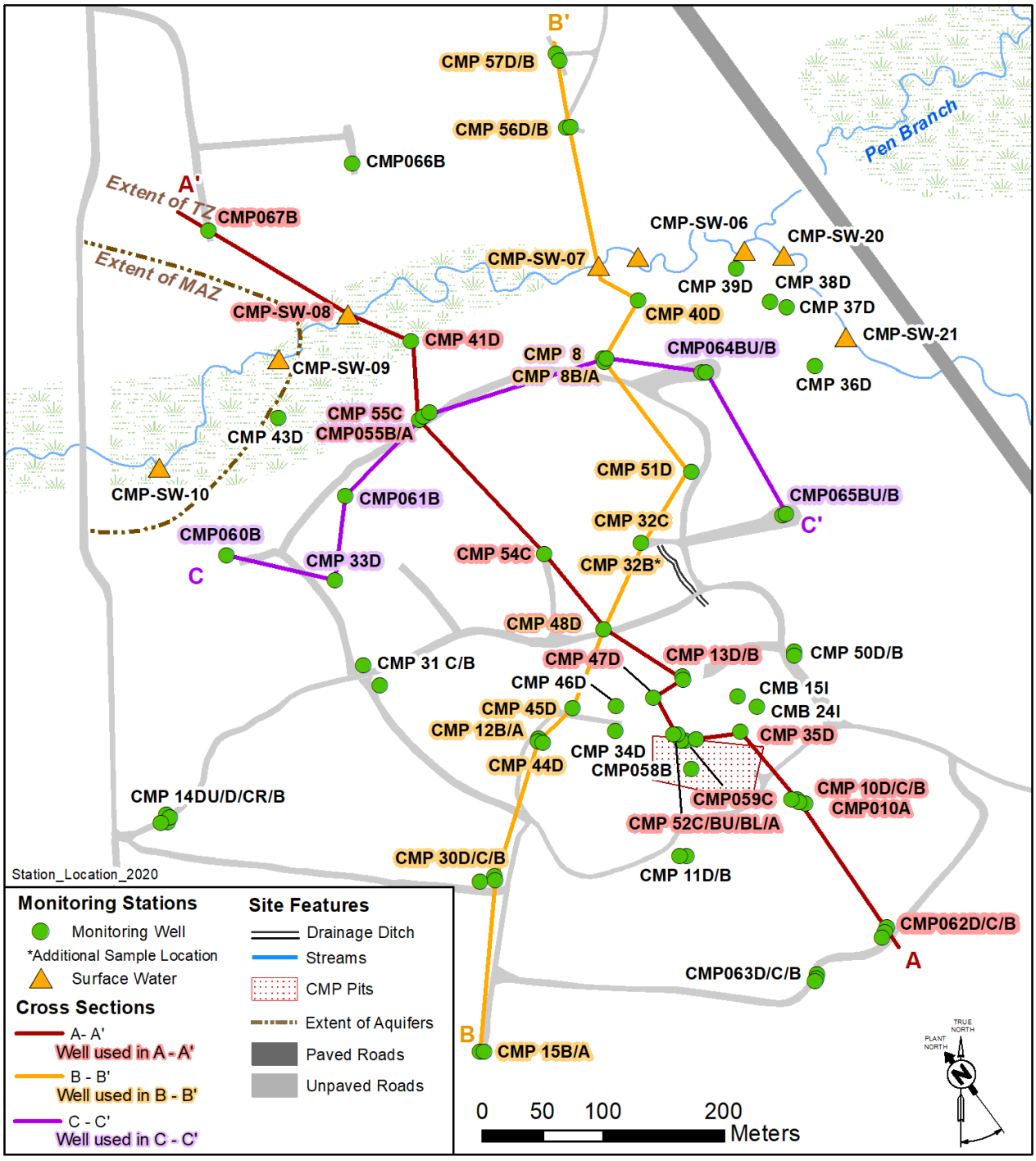


Figure 5. CMP Pits OU Monitoring Network, and Cross Section Lines

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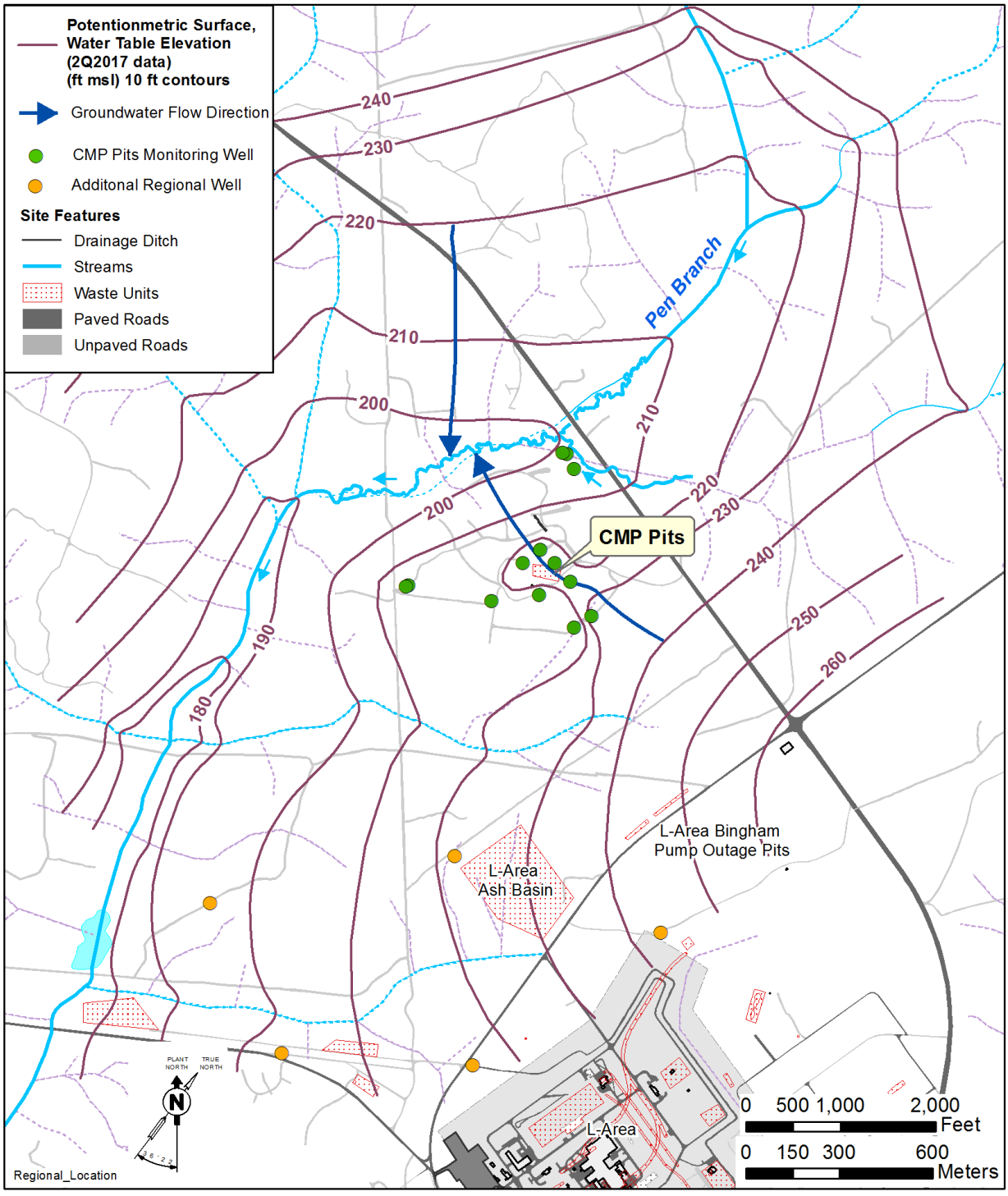


Figure 6. Regional Water Table Potentiometric Surface

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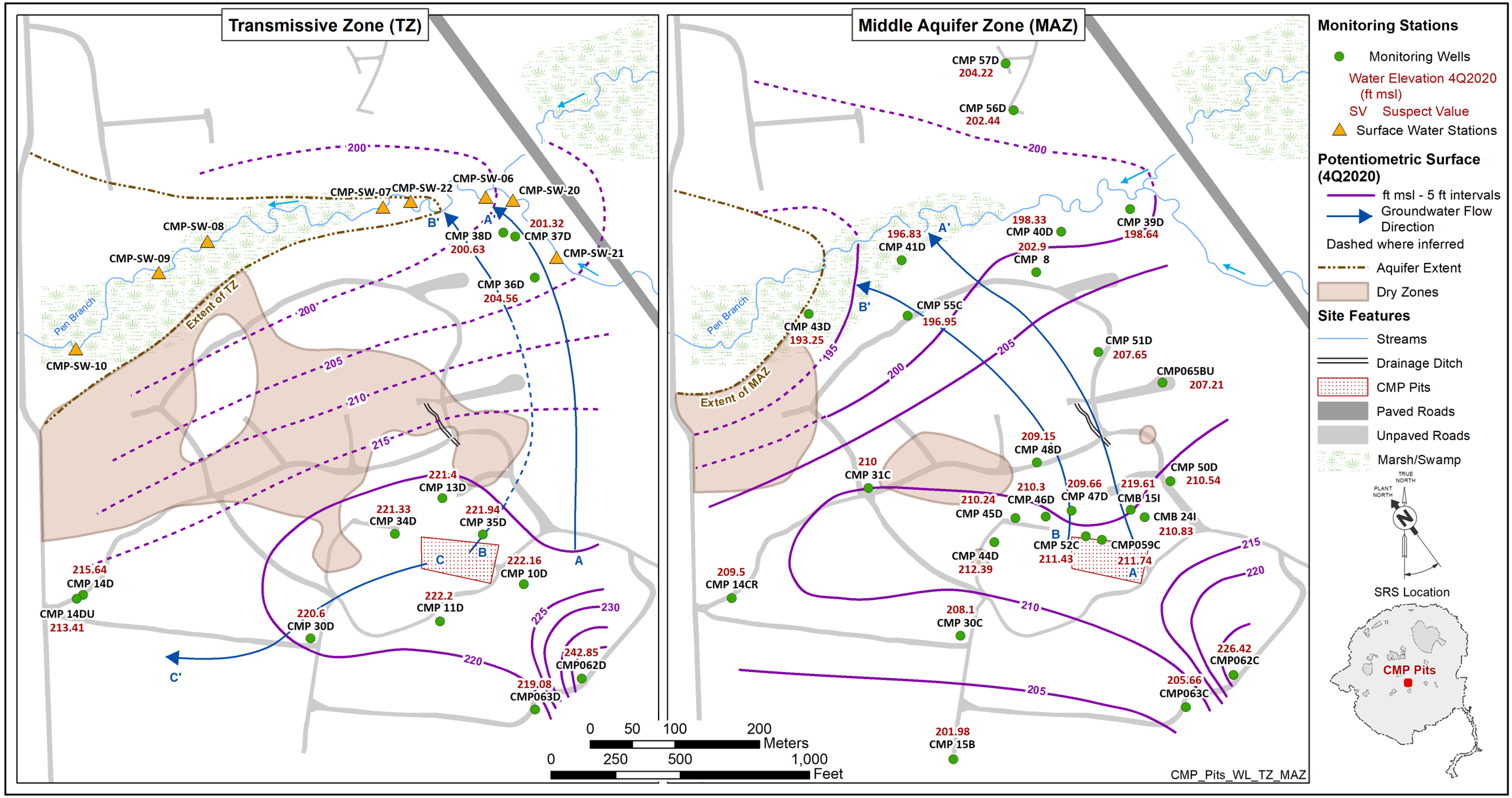


Figure 7. 2020 Potentiometric Surface for the TZ and MAZ

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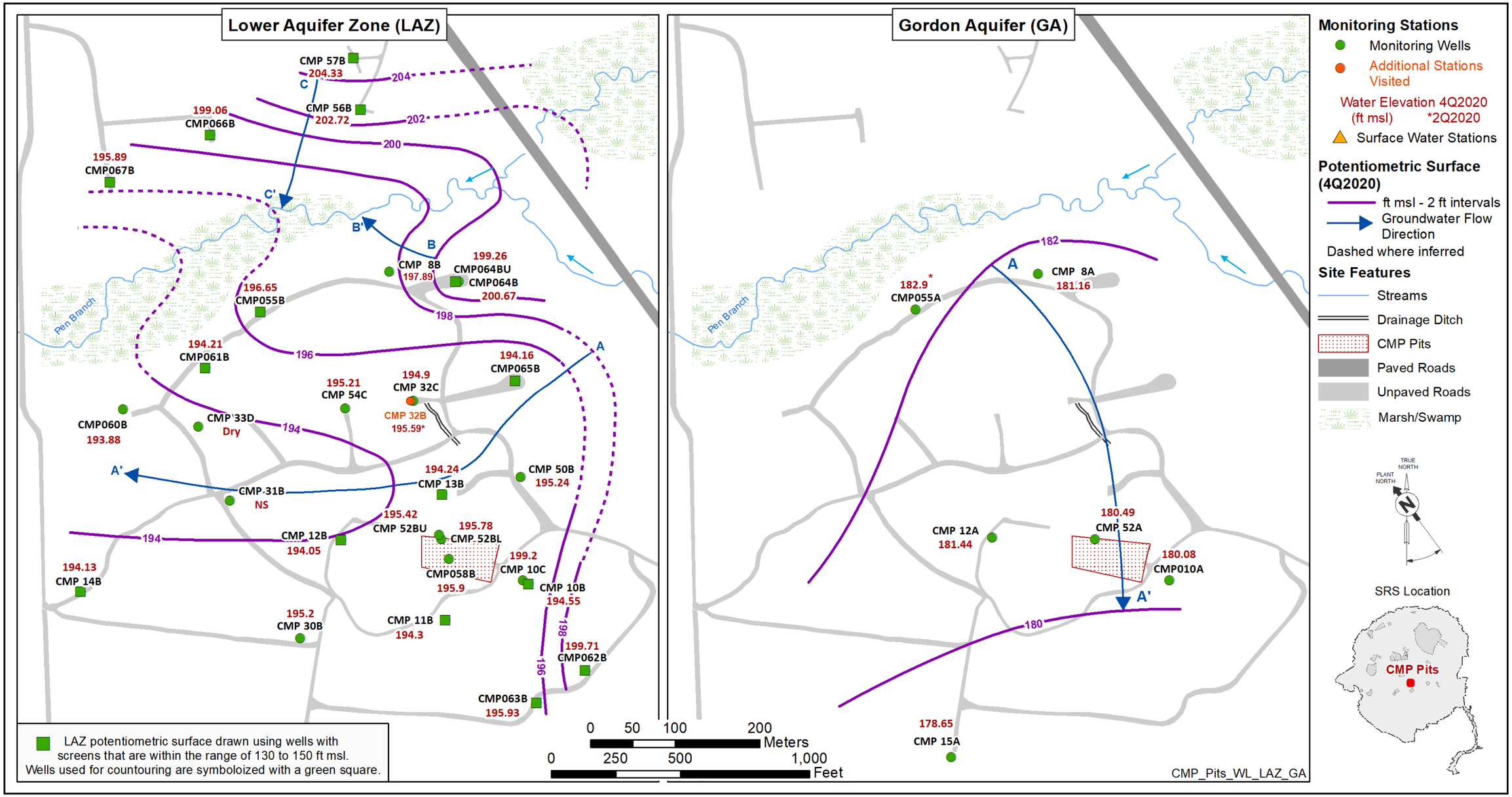


Figure 8. 2020 Potentiometric Surface for the LAZ and GA

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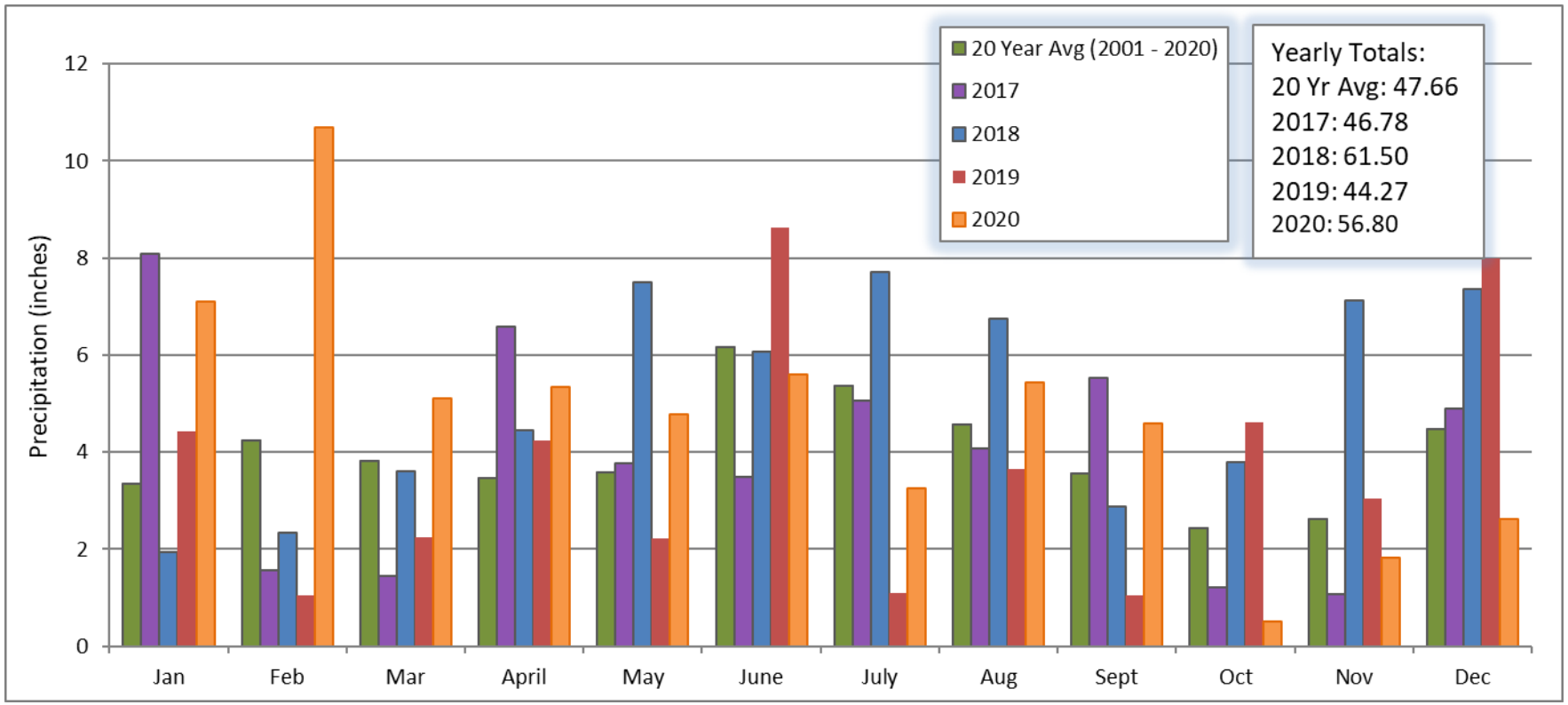


Figure 9. Monthly Rainfall Measurements in L-Area for 2020, 2019, 2018, 2017, and the 20-Year Average

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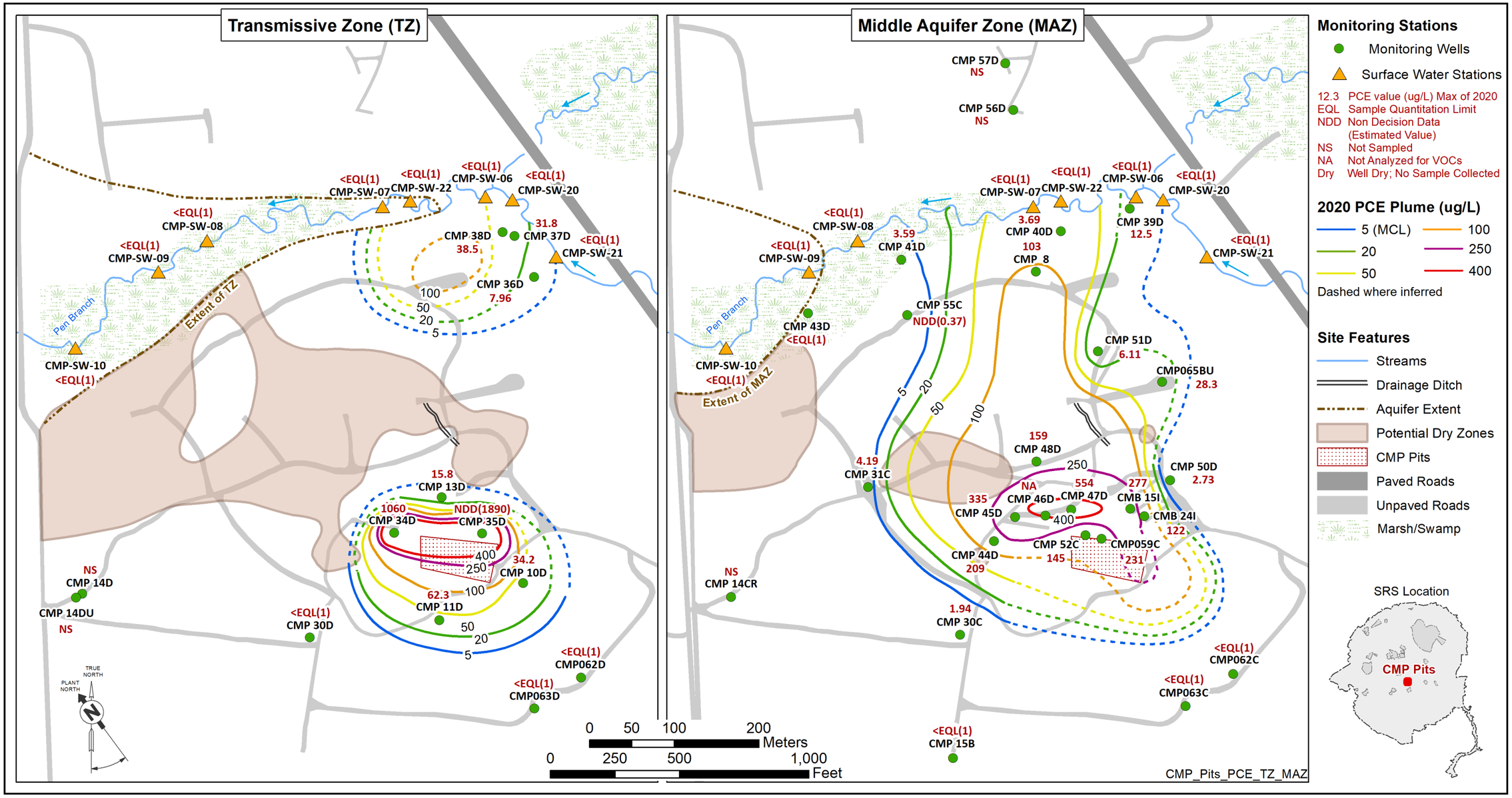


Figure 10. 2020 PCE Plume and Groundwater and Surface Water Results for the TZ and MAZ

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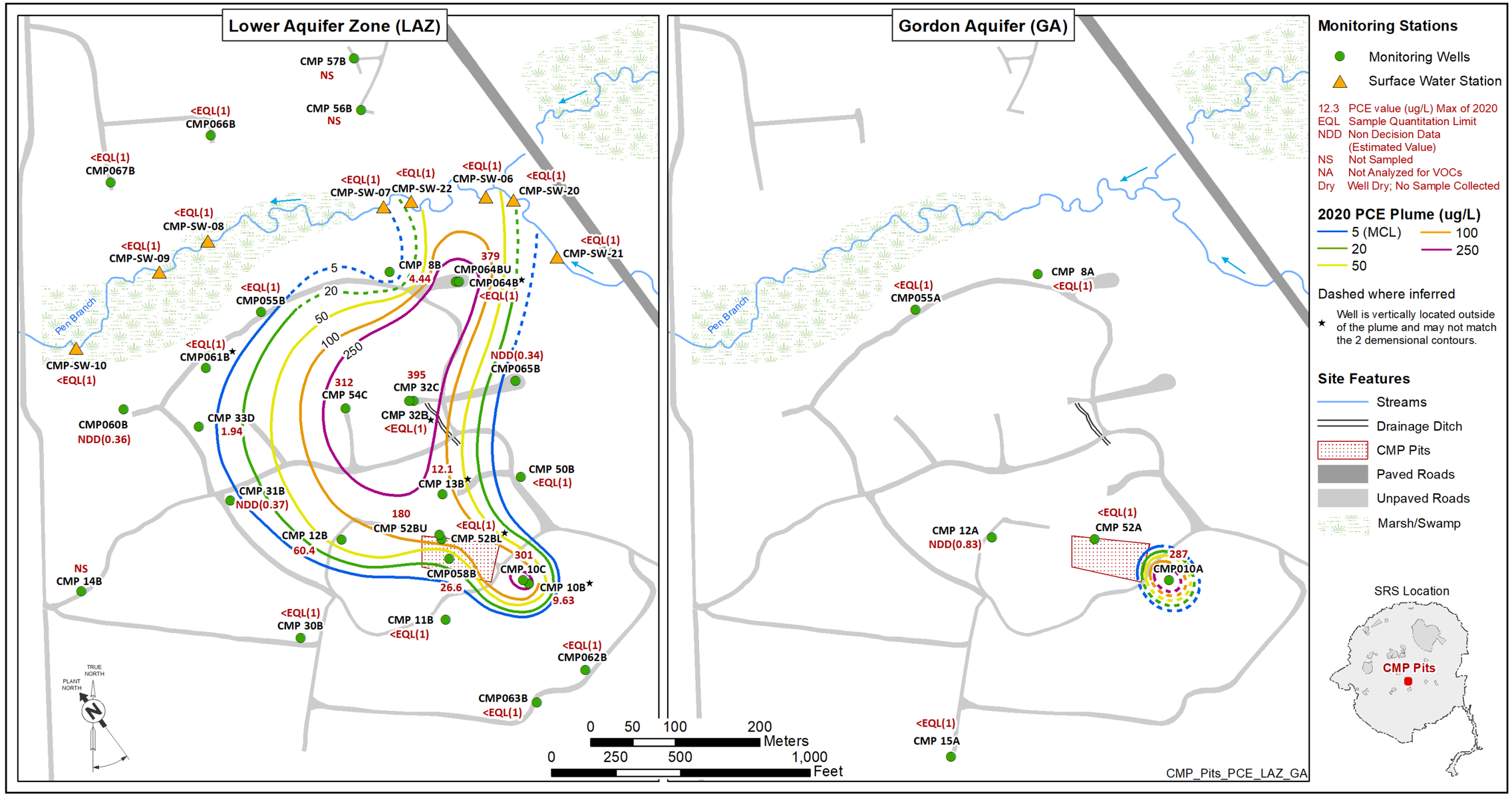


Figure 11. 2020 PCE Plume and Groundwater Results for the LAZ and GA

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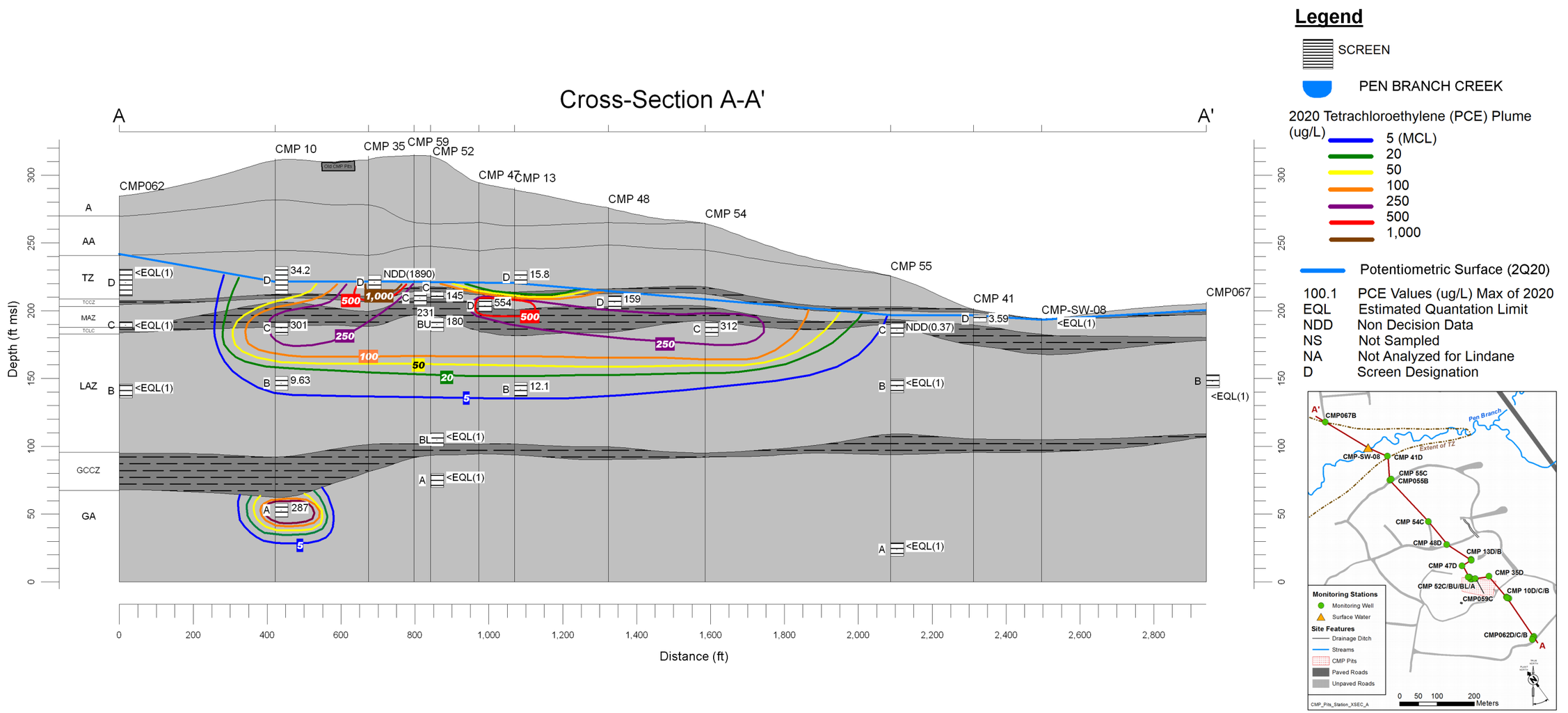


Figure 12. Cross Section A - A' at the CMP Pits OU Area with 2020 PCE Plume and Results

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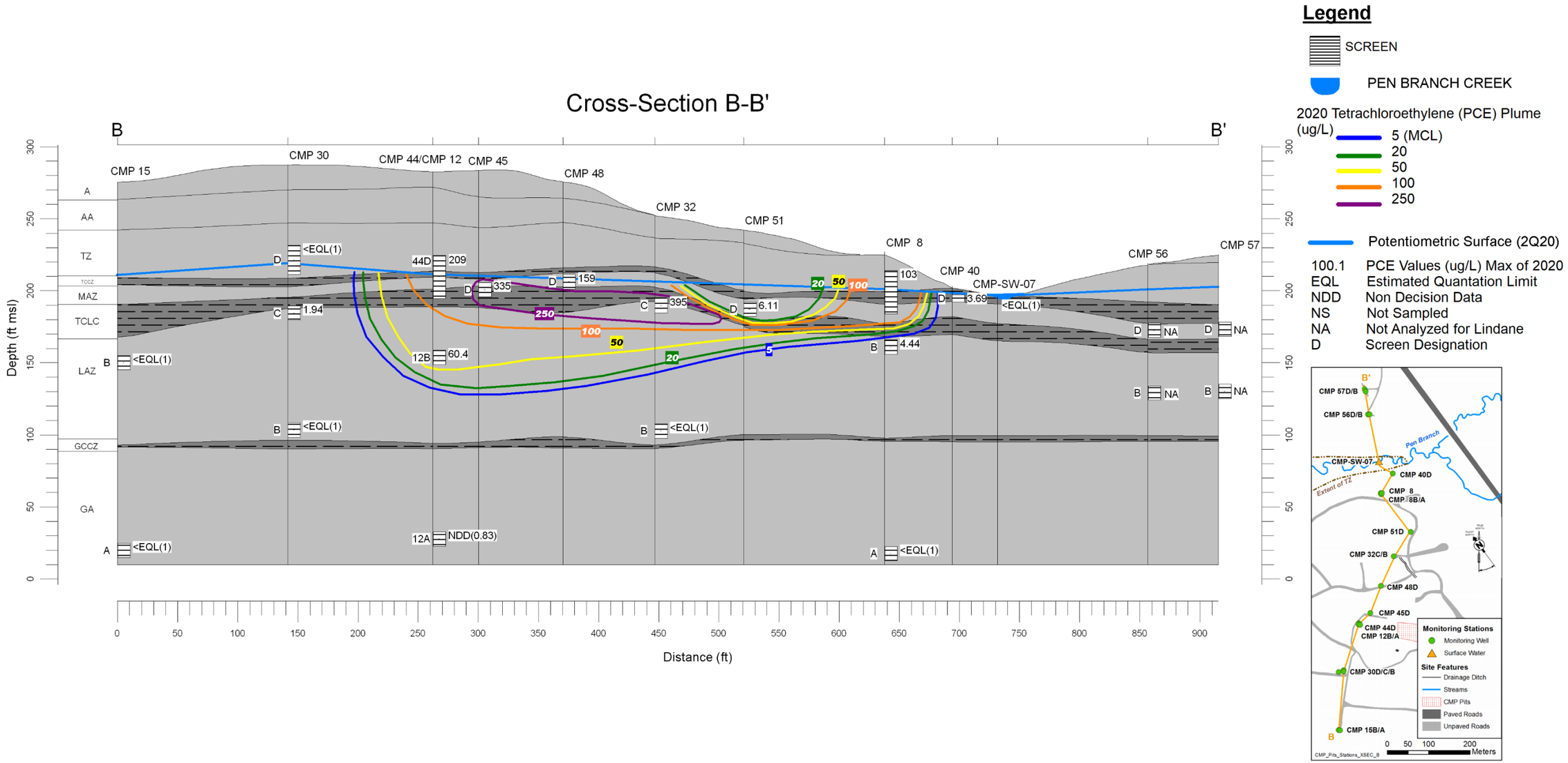


Figure 13. Cross Section B - B' at the CMP Pits OU Area with 2020 PCE Plume and Results

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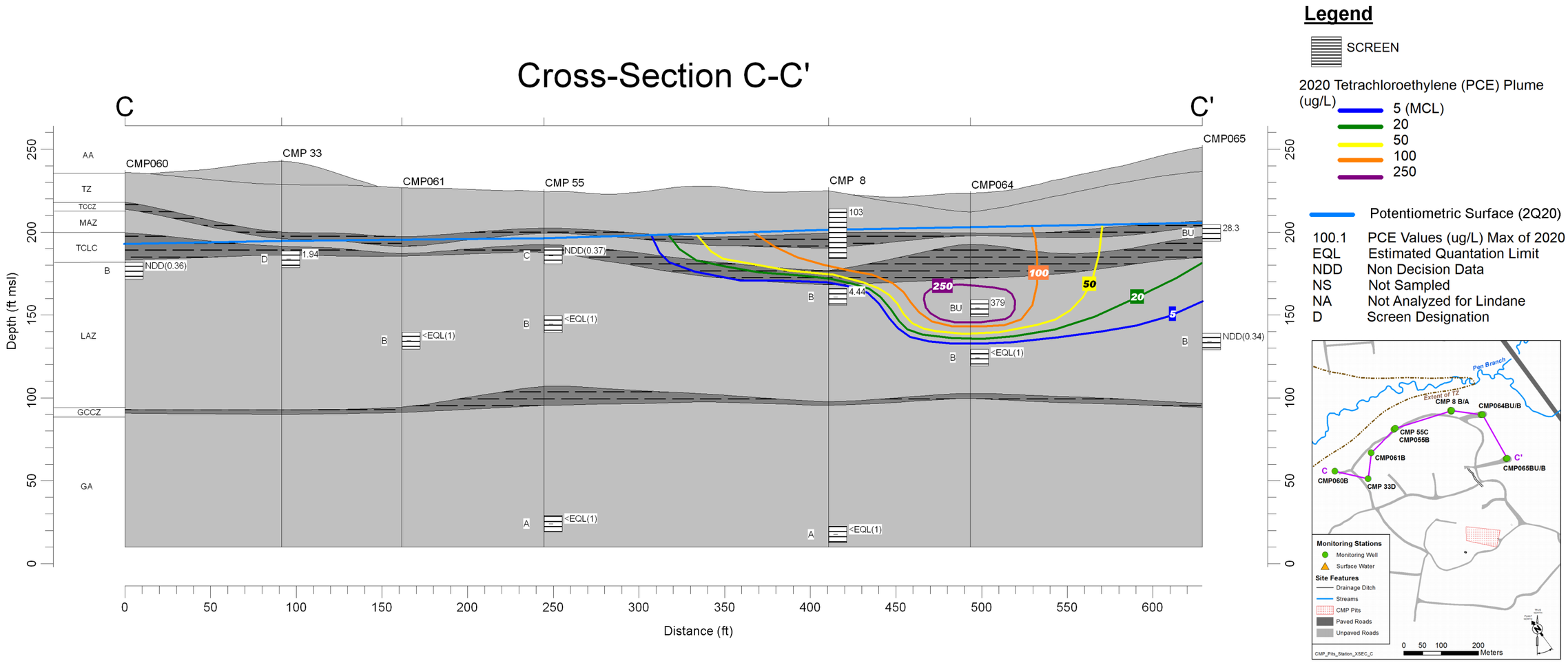


Figure 14. Cross Section C - C' at the CMP Pits OU Area with 2020 PCE Plume and Results

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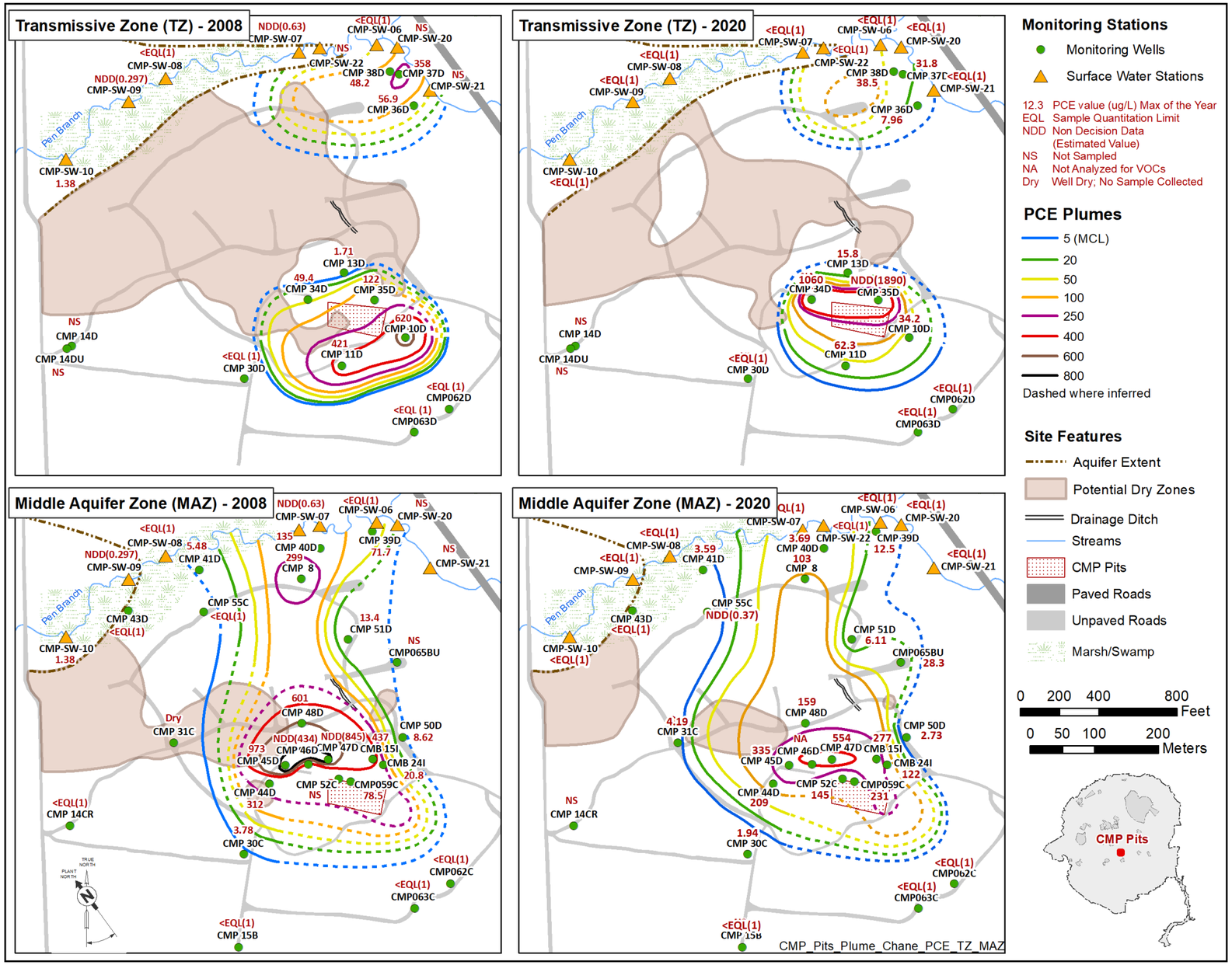


Figure 15. PCE Plume Comparison from 2008 and 2020 in the TZ and MAZ

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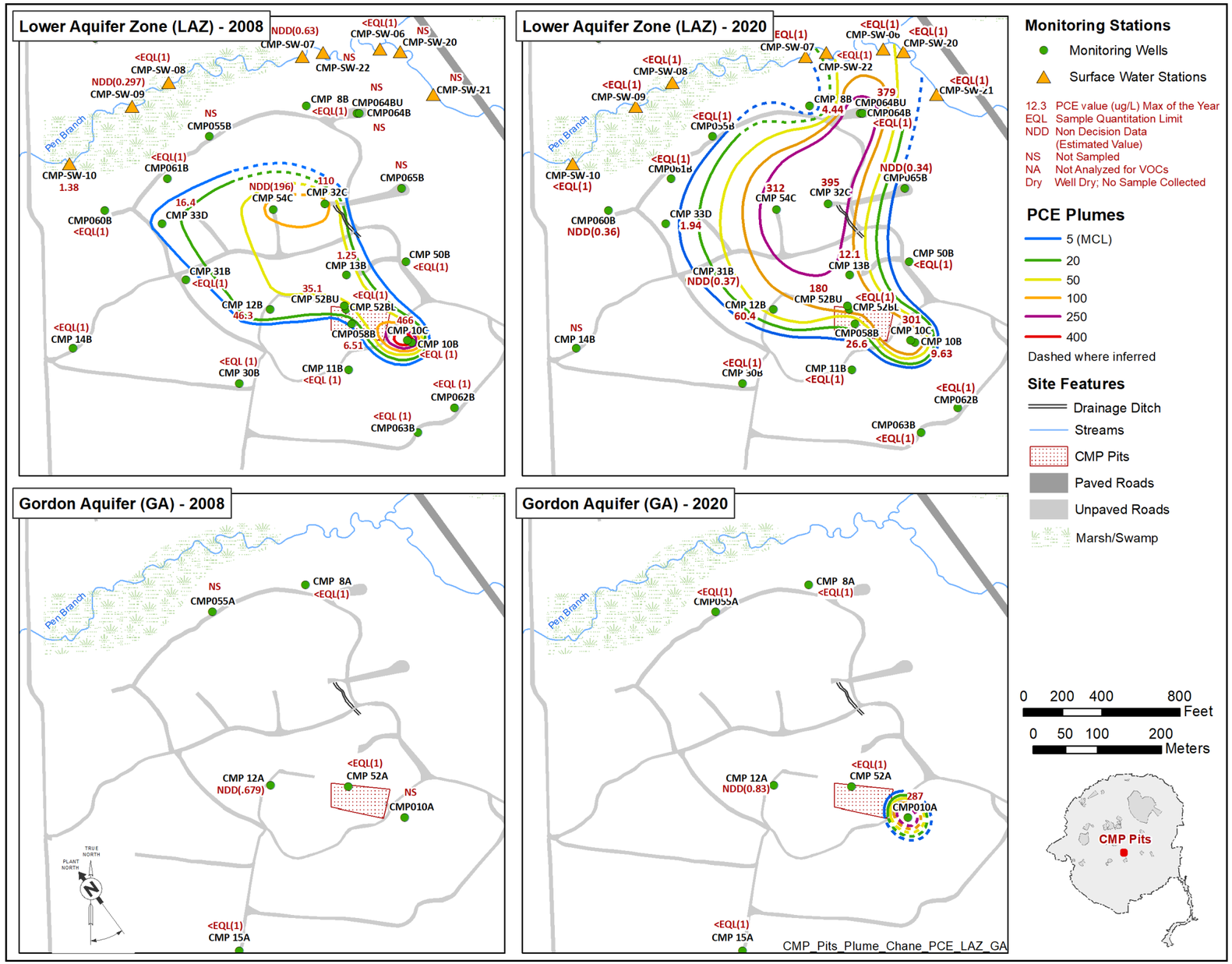


Figure 16. PCE Plume Comparison from 2008 and 2020 in the LAZ and GA

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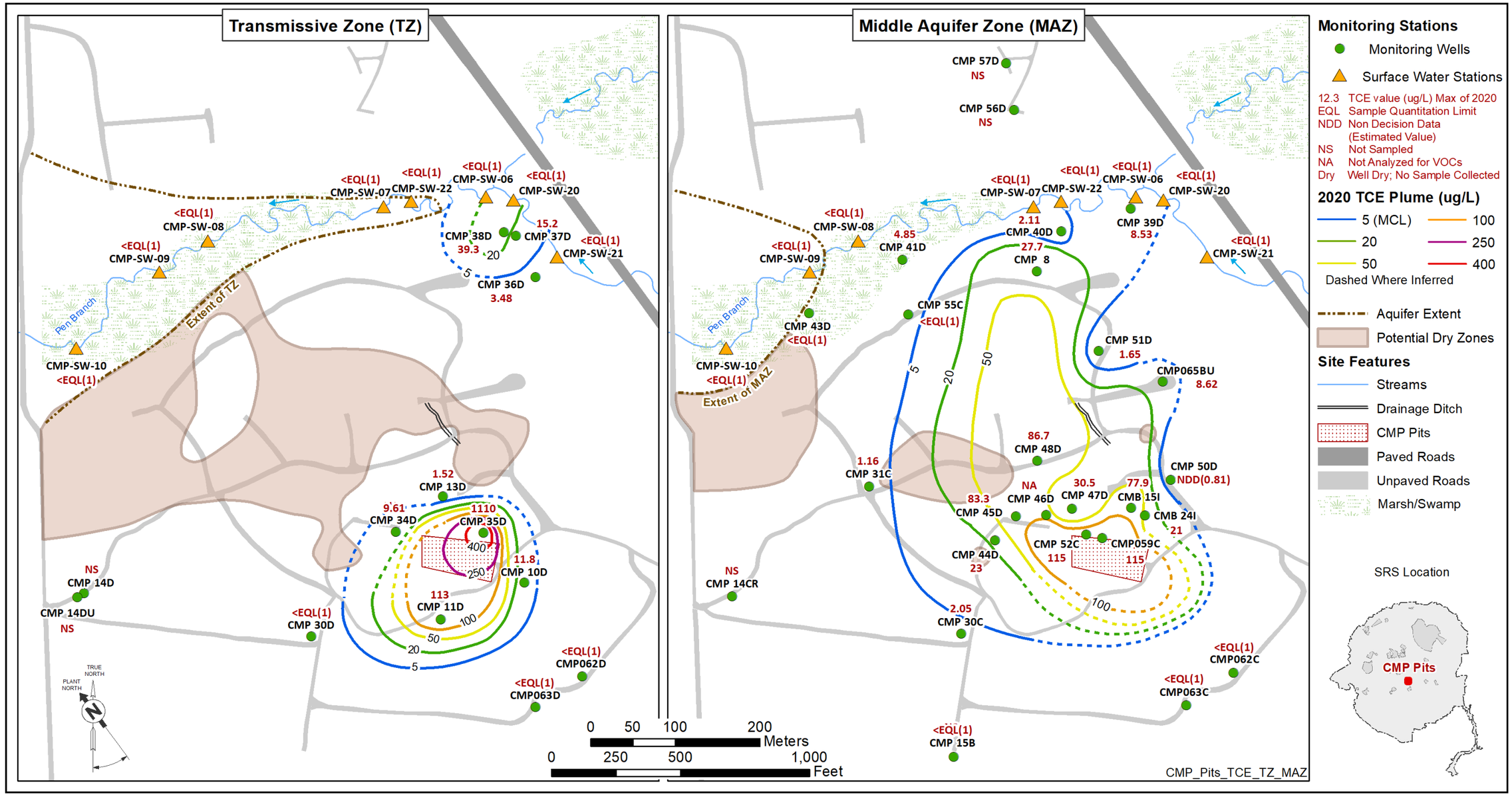


Figure 17. 2020 TCE Plume and Groundwater and Surface Water Results in the TZ and MAZ

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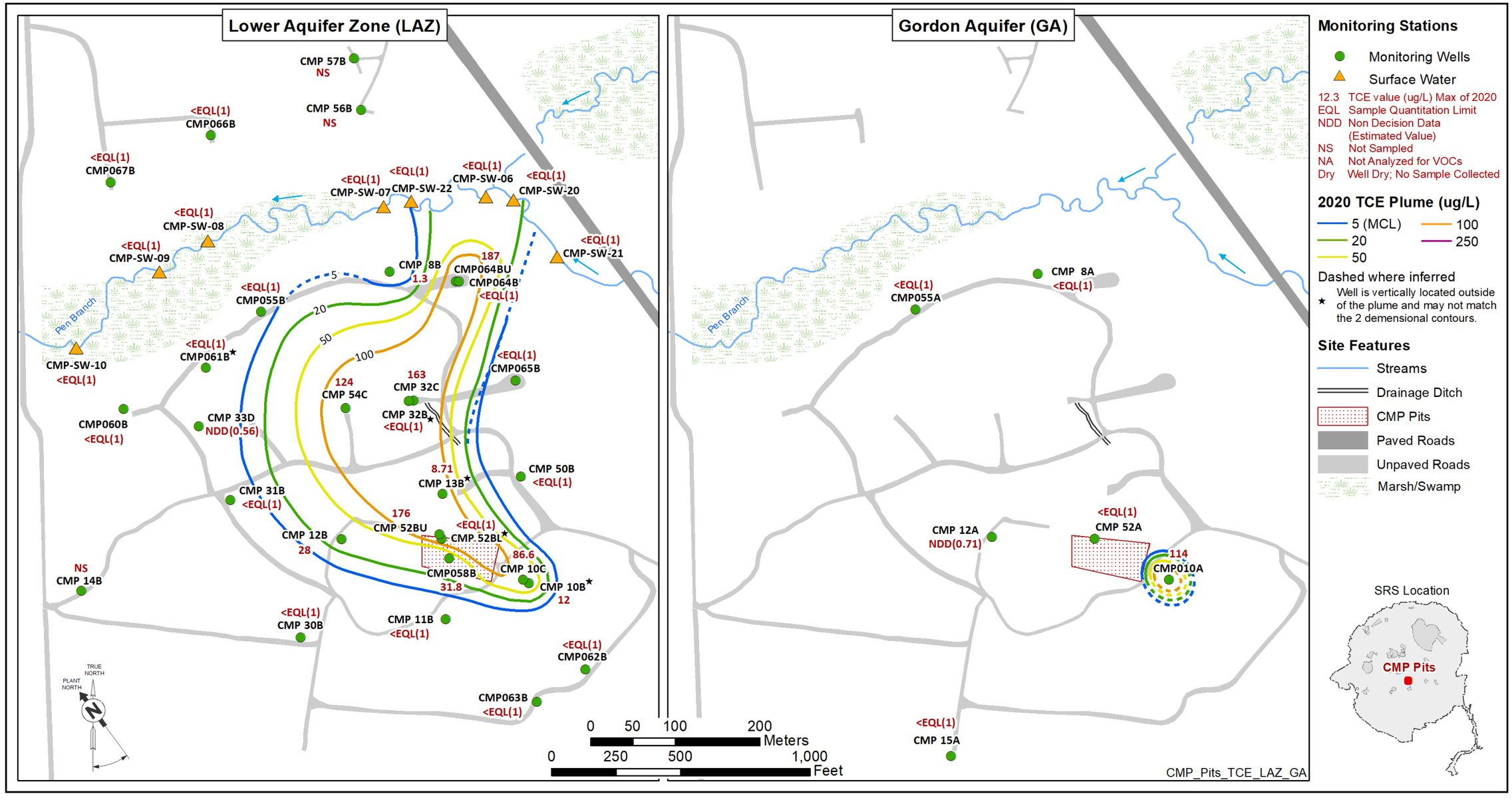


Figure 18. 2020 TCE Plume and Groundwater Results for the LAZ and GA

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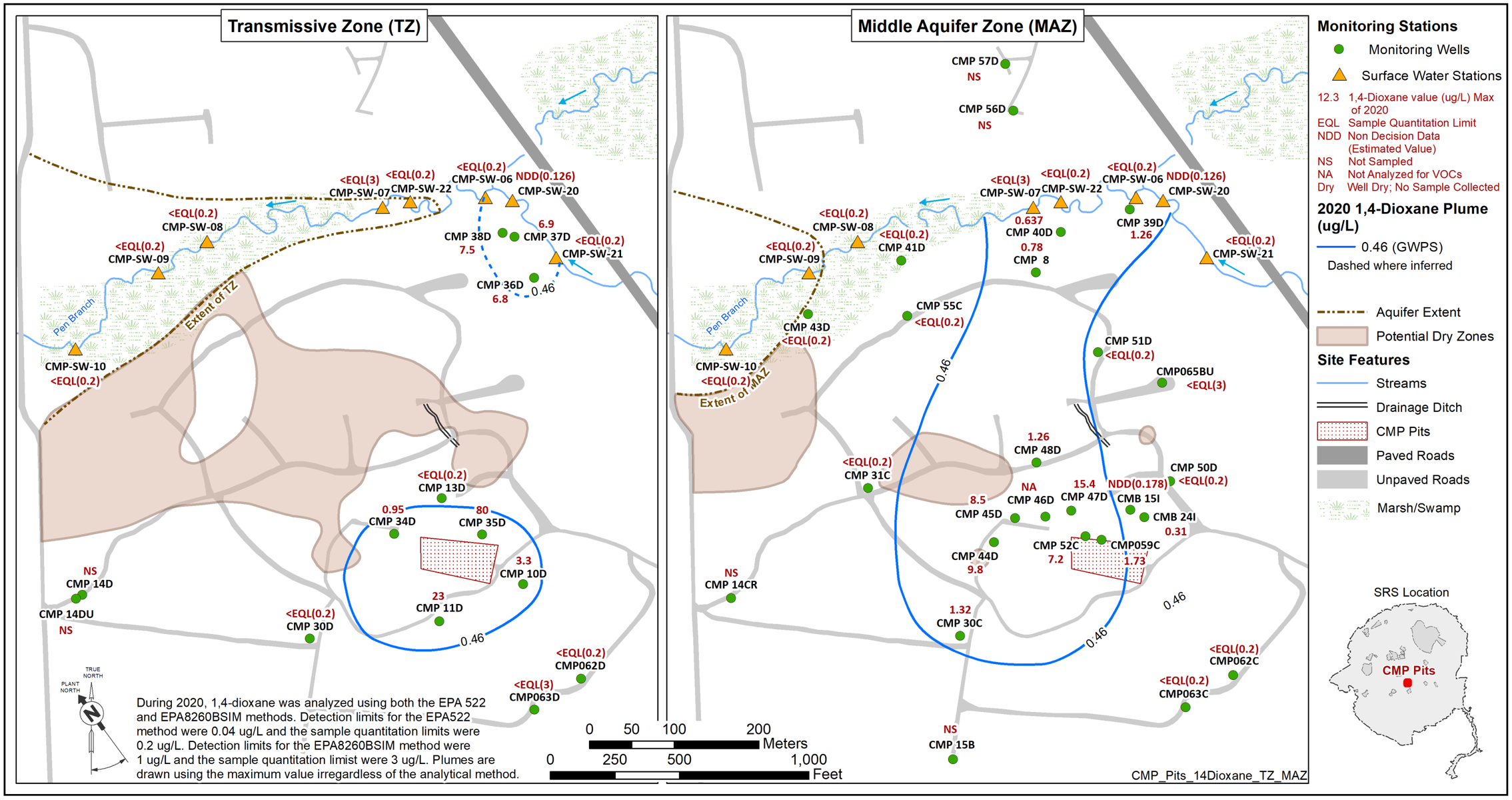


Figure 19. 2020 1,4-Dioxane Plume and Groundwater Results for the TZ and MAZ

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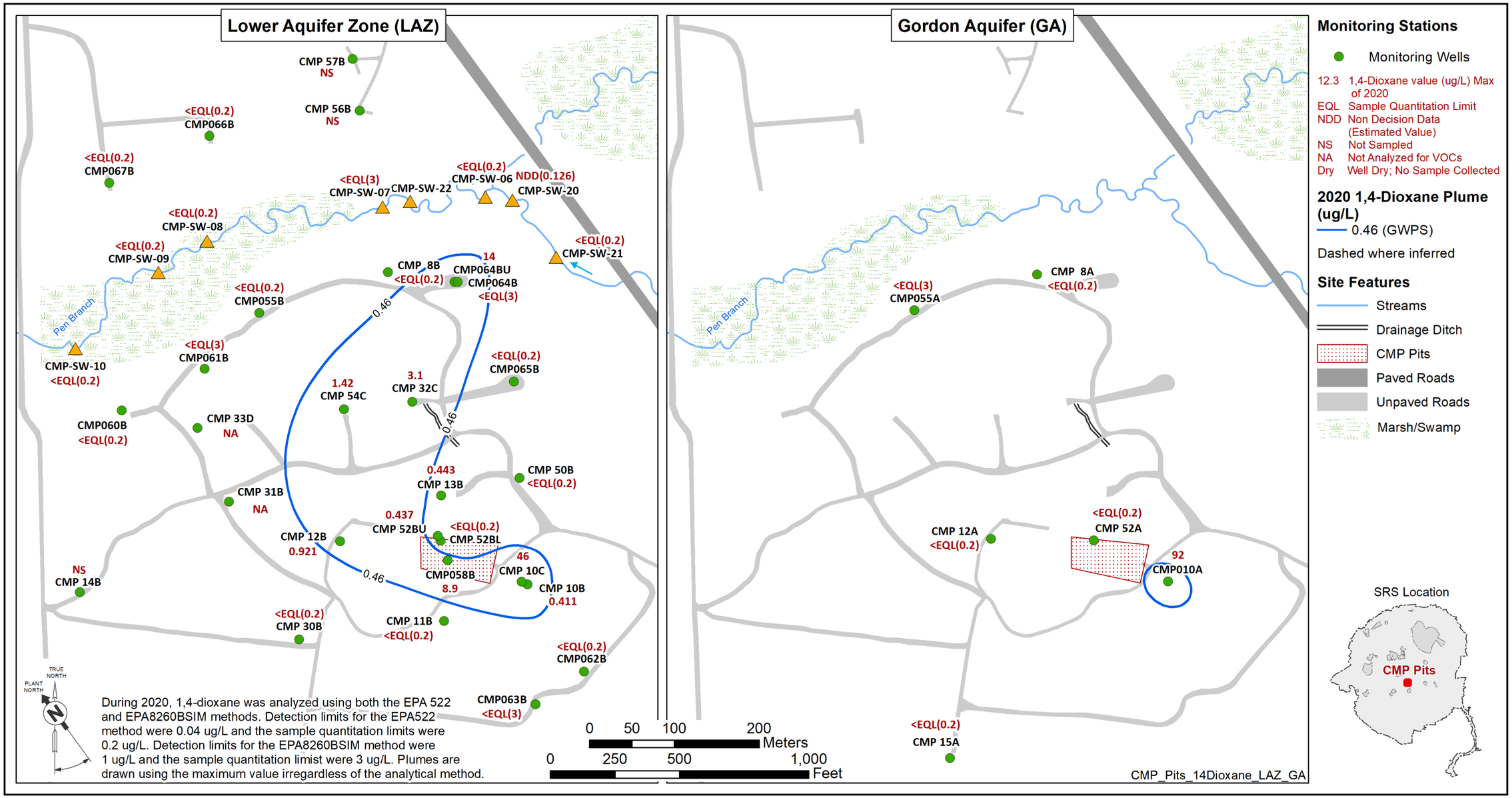


Figure 20. 2020 1,4-Dioxane Plume and Groundwater Results for the LAZ and GA

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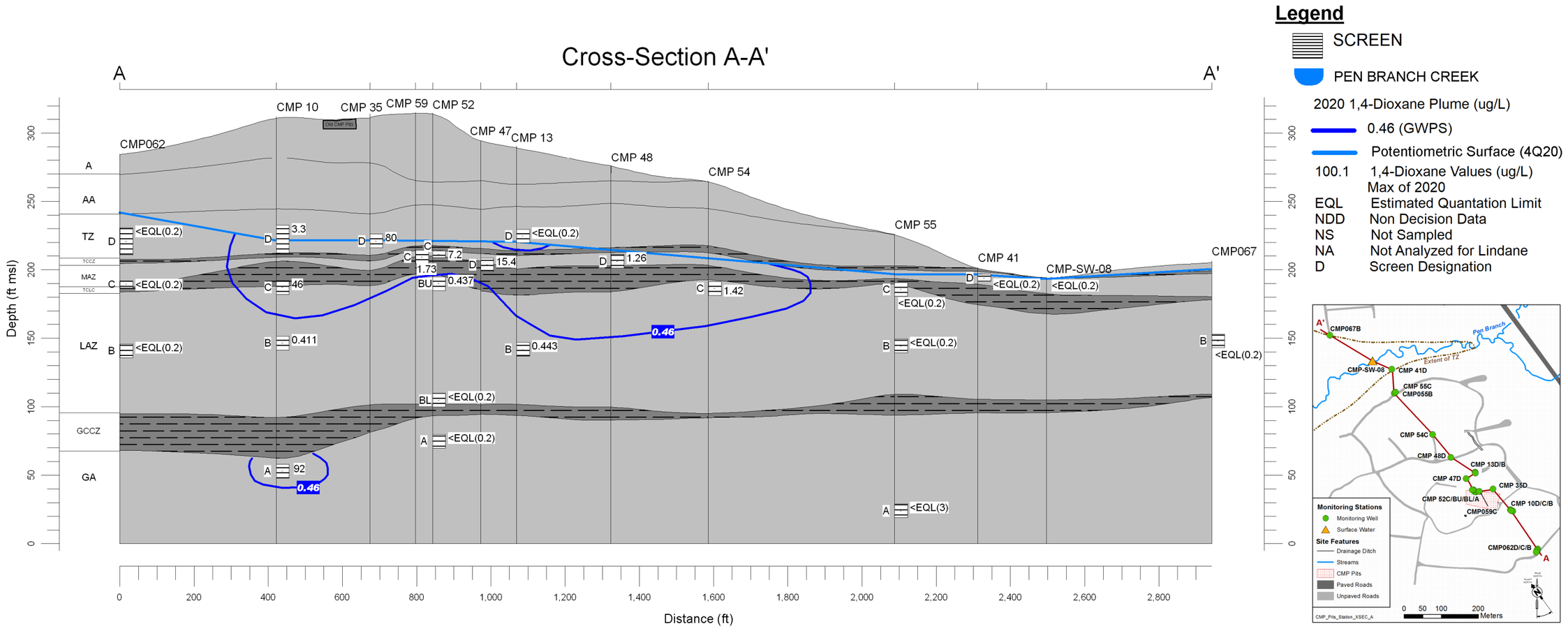


Figure 21. Cross Section A - A' at the CMP Pits OU Area with 2020 1,4-Dioxane Plume and Results

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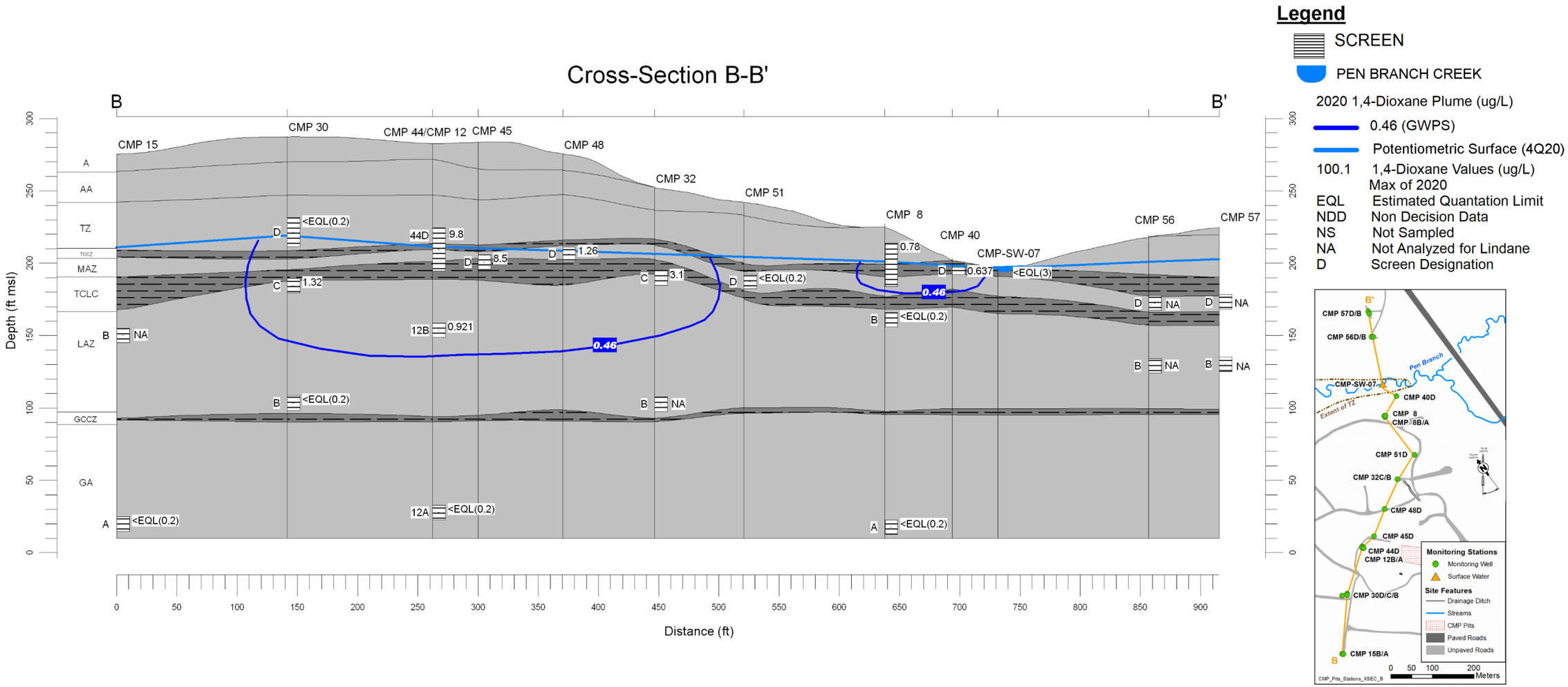


Figure 22. Cross Section B - B' at the CMP Pits OU Area with 2020 1,4-Dioxane Plume and Results

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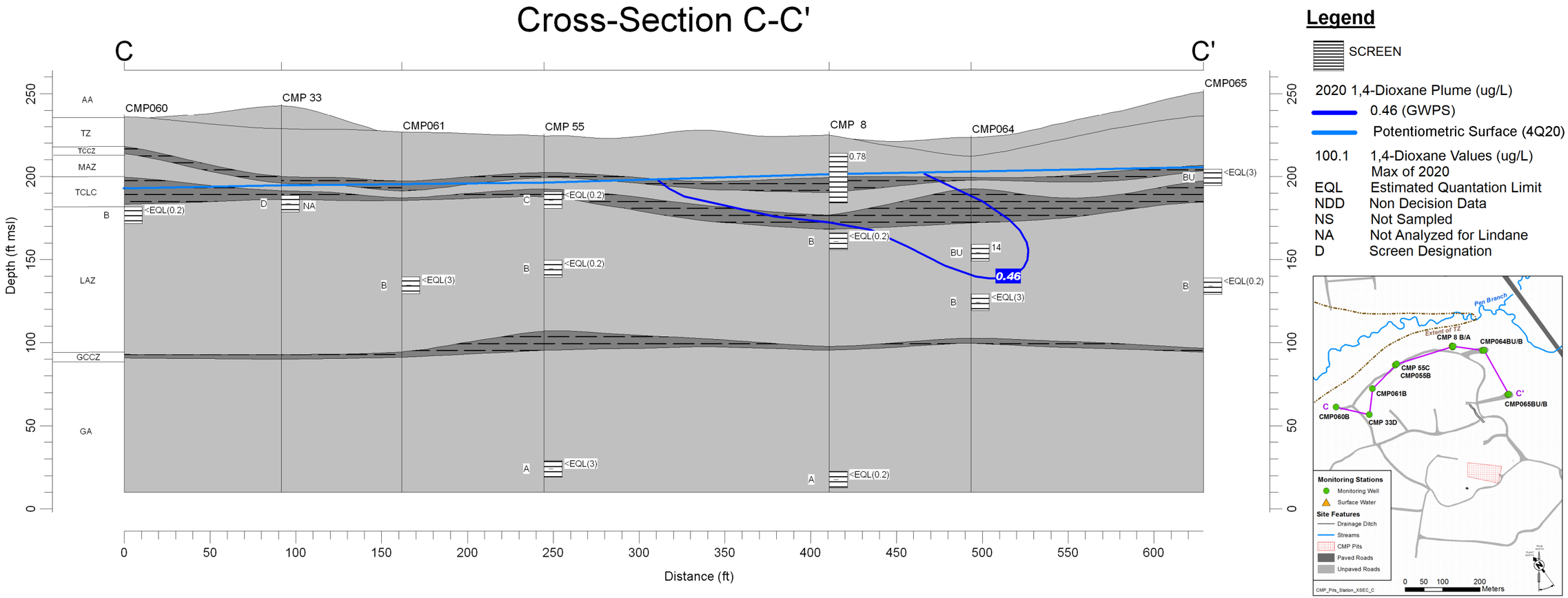


Figure 23.Cross Section C - C' at the CMP Pits OU Area with 2020 1,4-Dioxane Plume and Results

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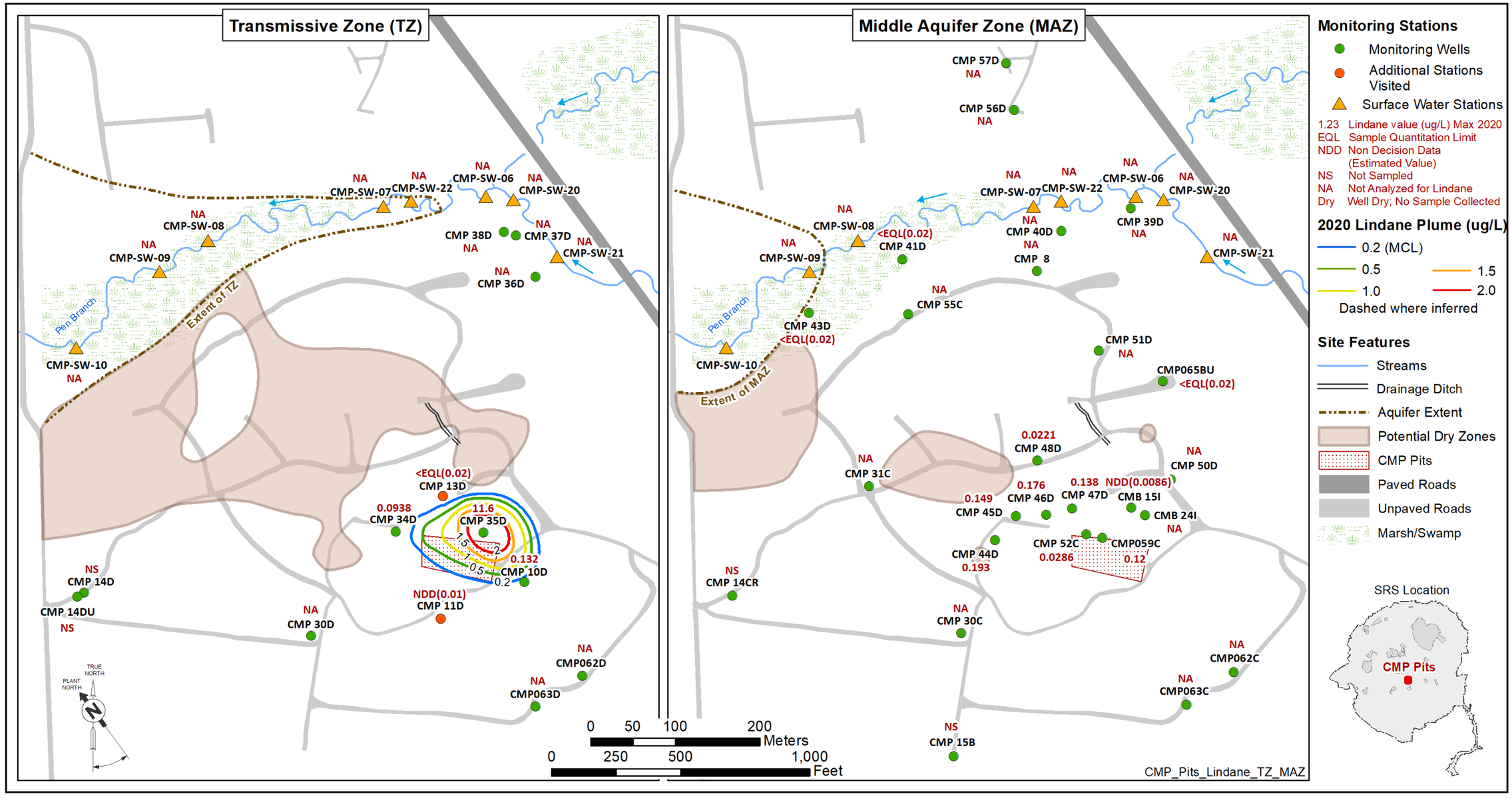


Figure 24. 2020 Lindane Plume and Groundwater Results for the TZ and MAZ

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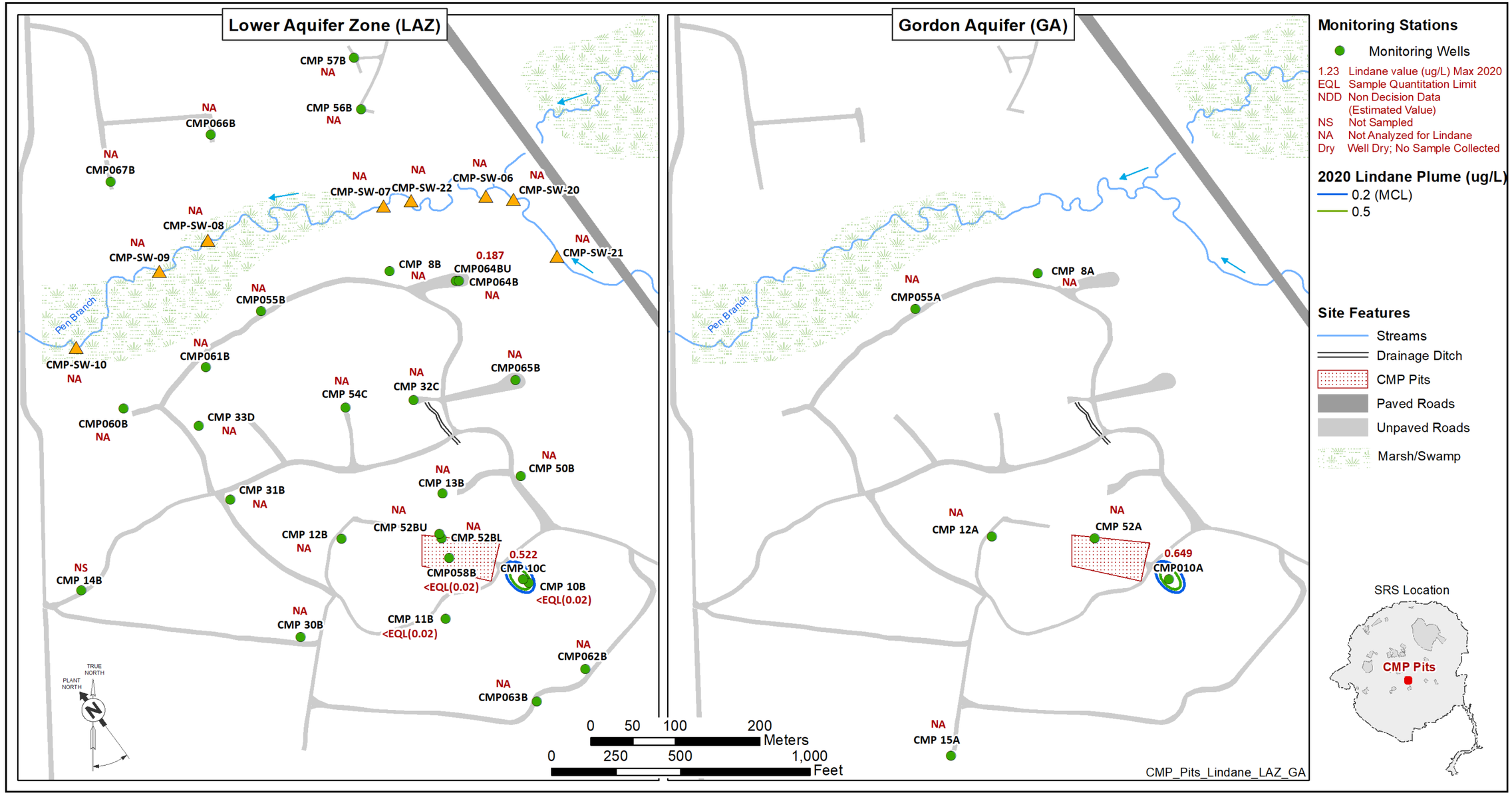


Figure 25. 2020 Lindane Plume and Groundwater Results for the LAZ and GA

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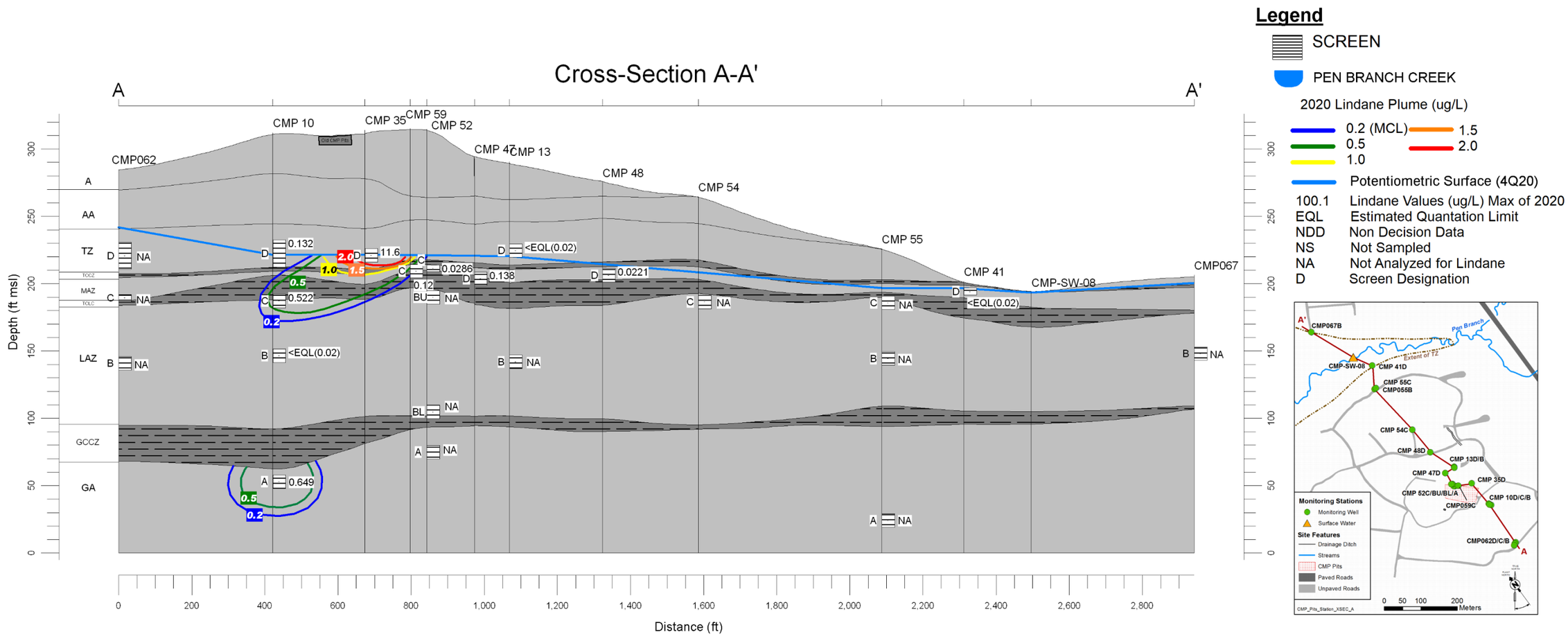


Figure 26. Cross Section A - A' at the CMP Pits OU Area with 2020 Lindane Plume and Results

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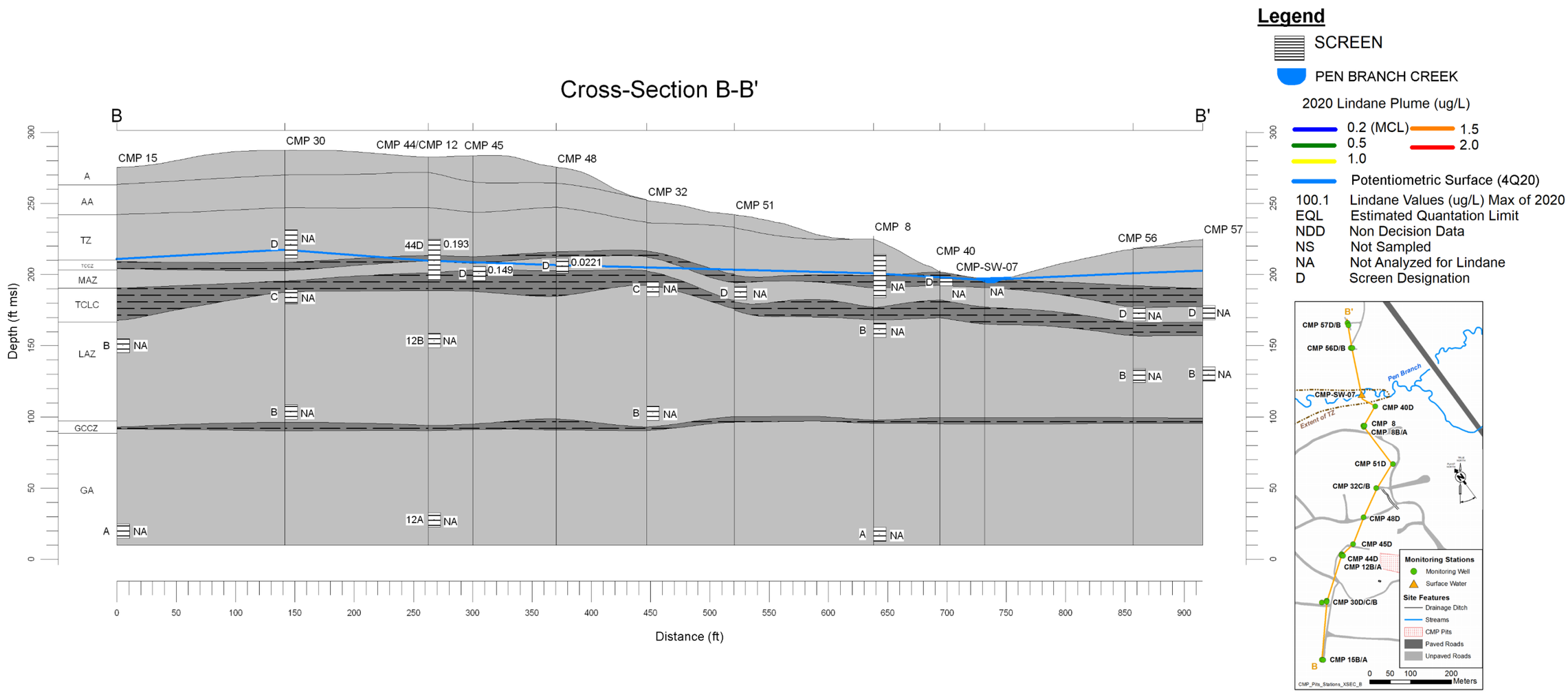


Figure 27. Cross Section B - B' at the CMP Pits OU Area with 2020 Lindane Plume and Results

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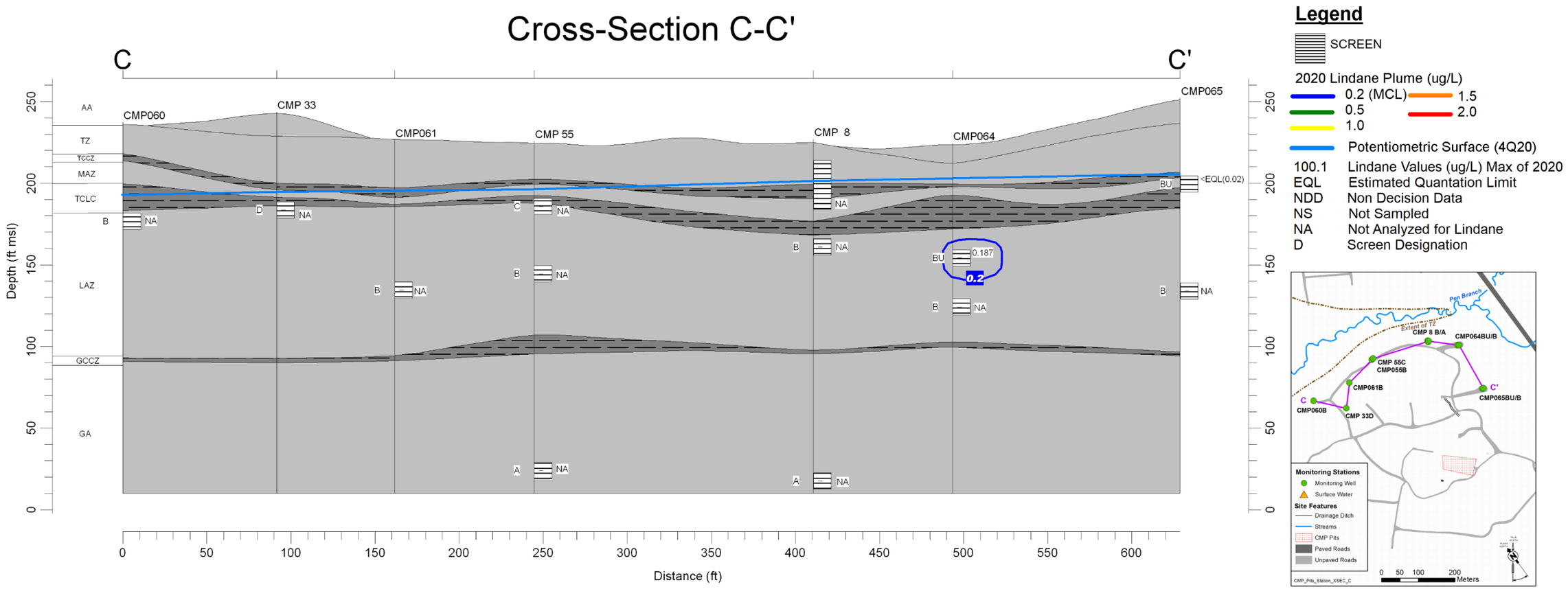


Figure 28. Cross Section C - C' at the CMP Pits OU Area with 2020 Lindane Plume and Results

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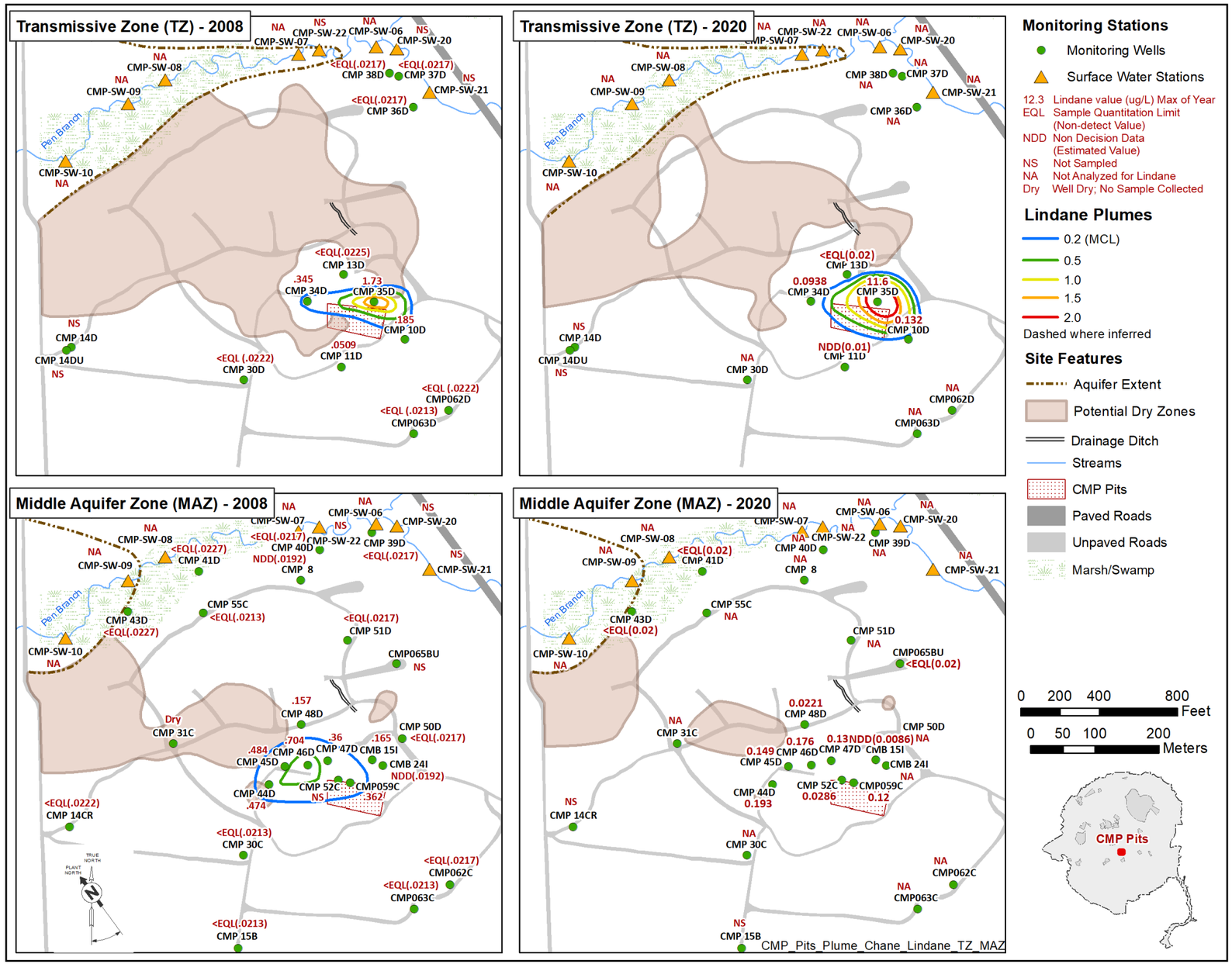


Figure 29. Lindane Plume Comparison from 2008 and 2020 in the TZ and MAZ

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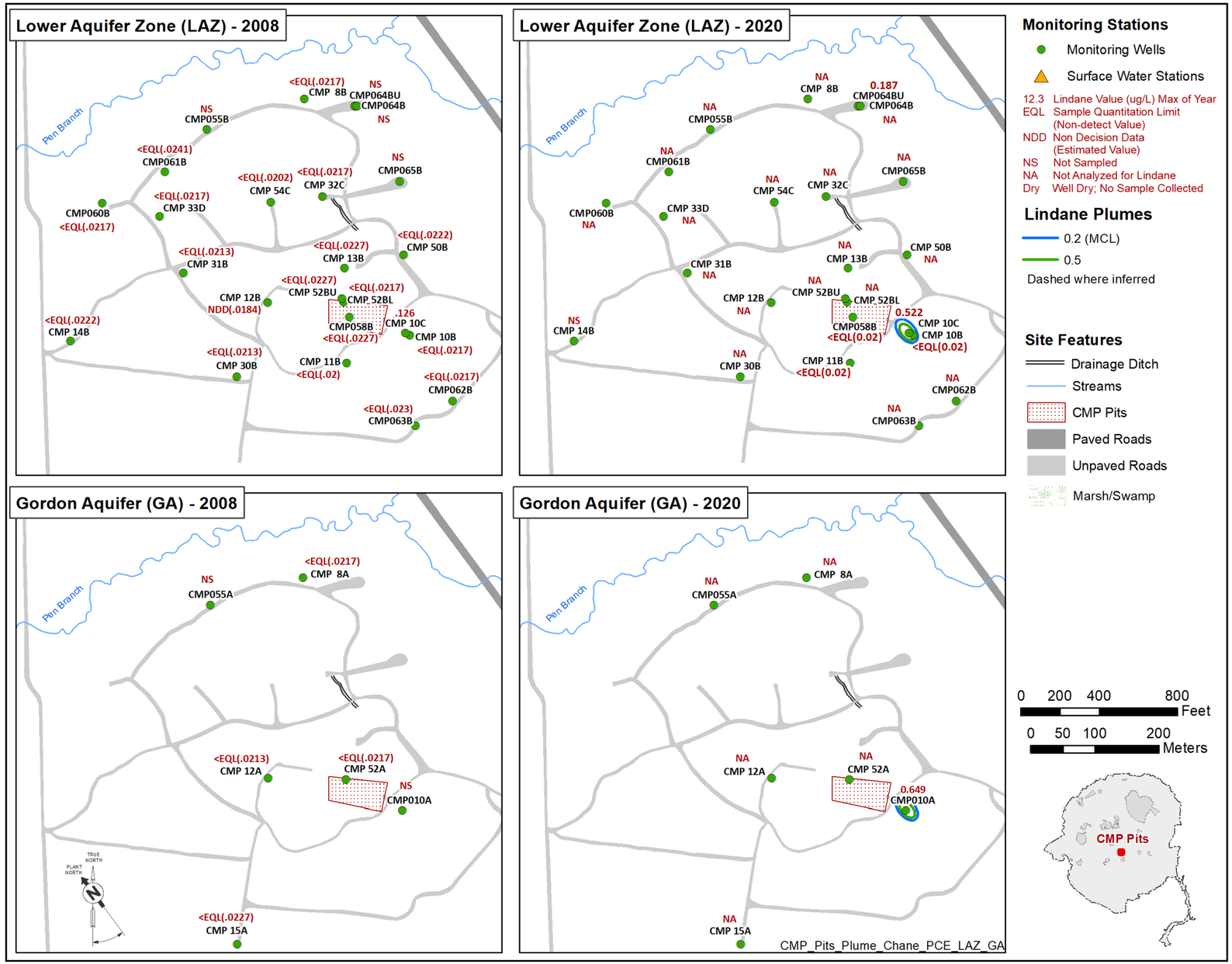


Figure 30. Lindane Plume Comparison from 2008 and 2020 in the LAZ and GA

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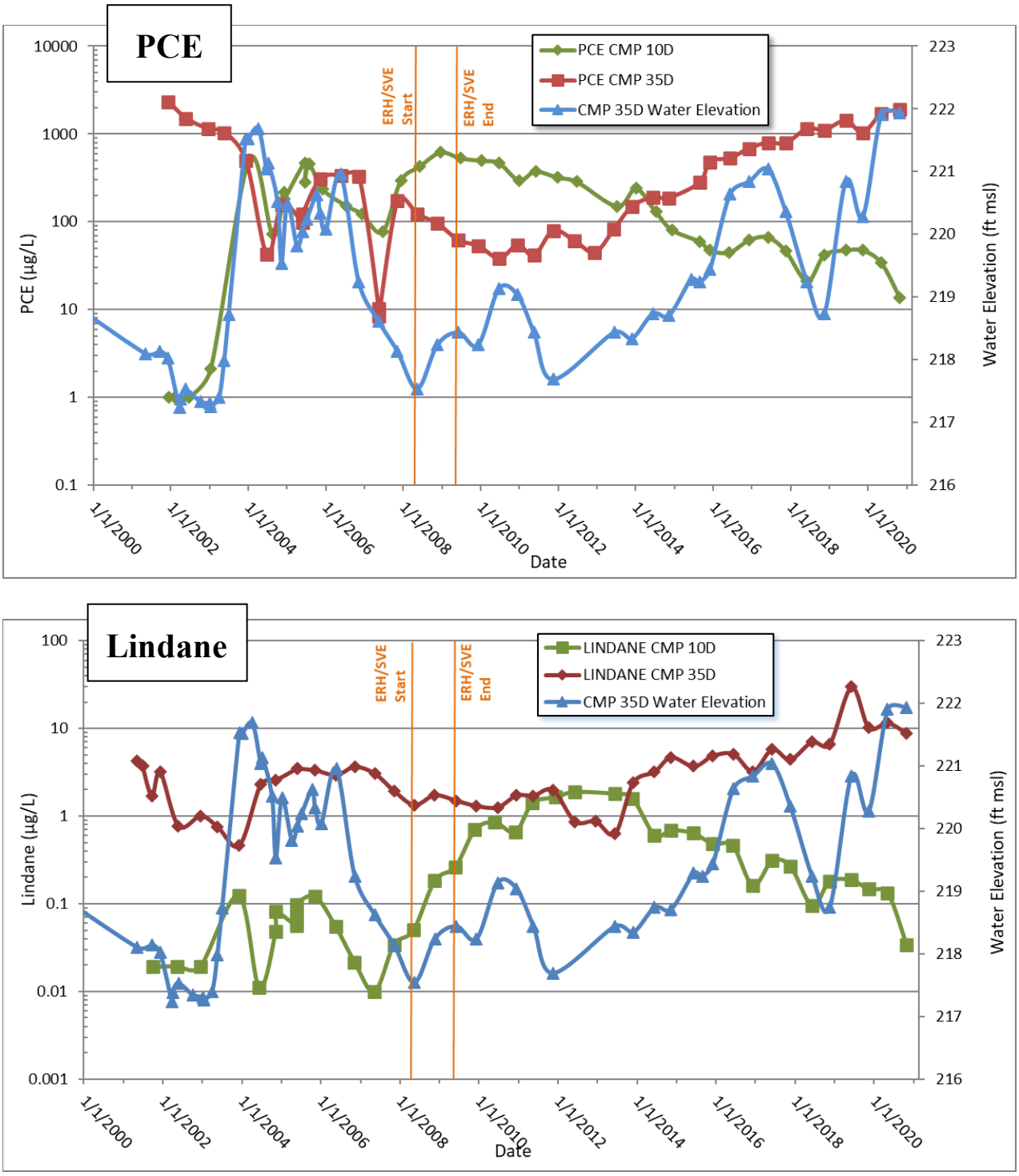
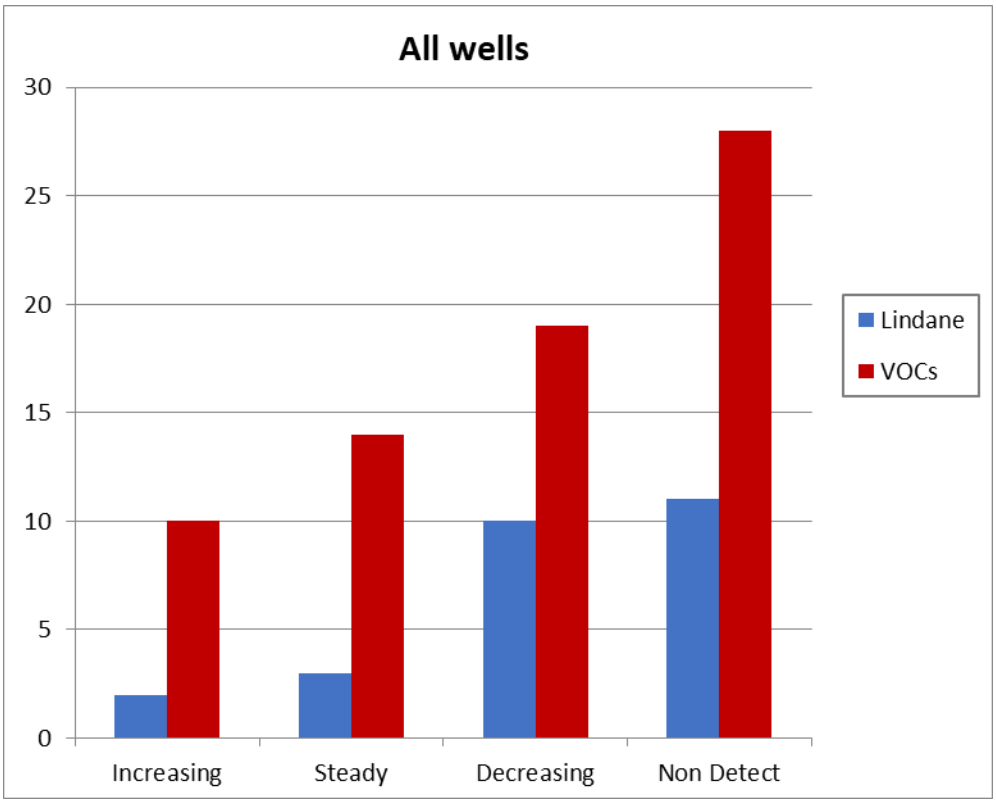
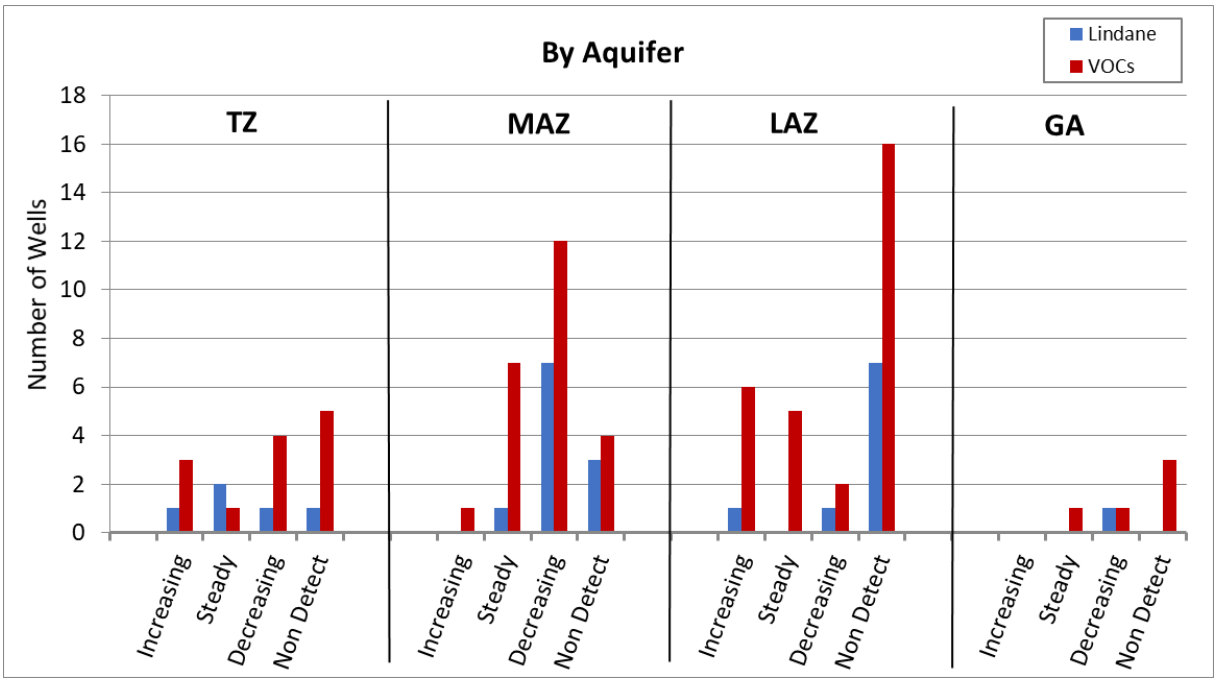


Figure 31. Comparison of PCE and Lindane Trends in CMP 10D and CMP 35D

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Identification of the wells trend type can be found on the "Trends" tab in the Excel file (CMP_EMR_2021) located on the CD supplied with this report.

Figure 32. Contaminant Concentration Well Trends and Well Trends by Aquifer

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Table 3. CMP Pits OU Annual MNA Results, April 2020 through March 2021

| | | | | Field Data | | | | | | | | | | | | | | | | | | CMP MNA Analyte Suite | | | | | | | | | | | | | | | | | |

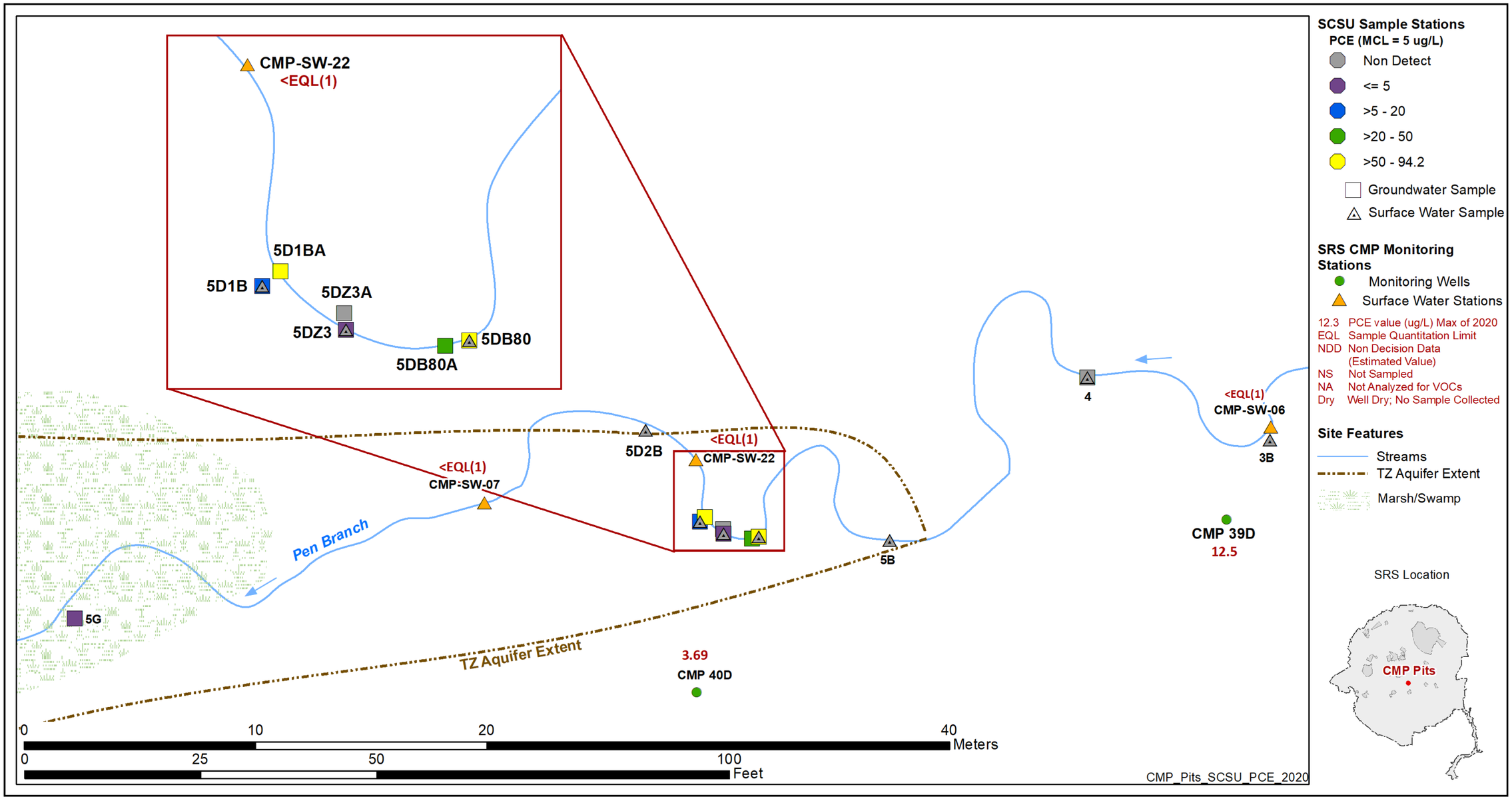


Figure 33. SCSU 2020 PCE Groundwater and Surface Water Results

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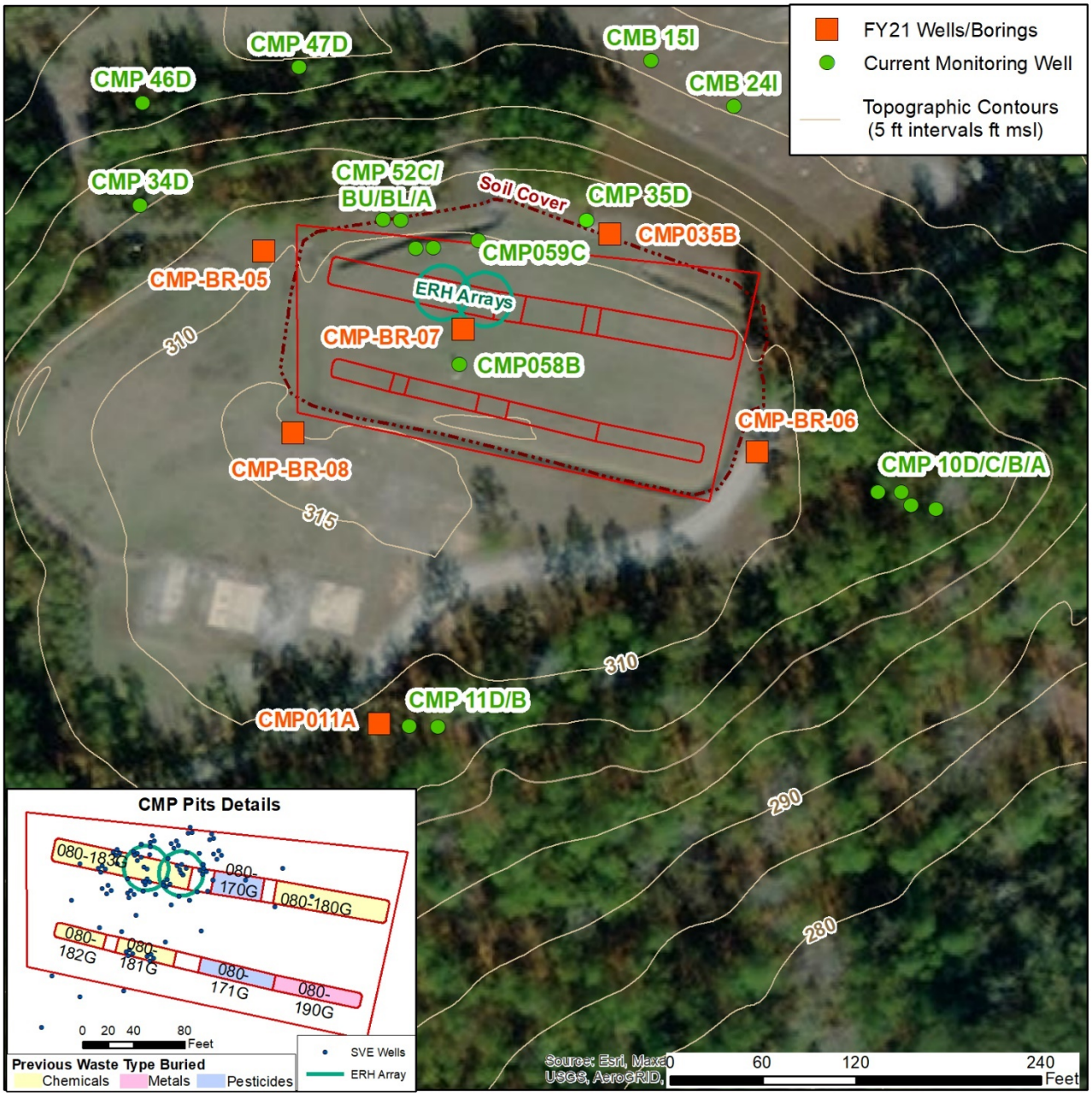


Figure 34. SRS Additional Sampling Locations for 2021

Table 1. CMP Pits OU MNA Monitoring Network

Station	Aquifer Unit	Lab Analyses			Screen Zone (ft msl)		screen length (ft)
		VOCs	1,4-Dioxane	Lindane	Bottom	Top	
CMB 15I	MAZ	2Q, 4Q	4Q	2Q, 4Q	210.7	212.4	1.7
CMB 24I	MAZ	2Q, 4Q	4Q		201	203	2
CMP 8	MAZ	2Q, 4Q	4Q		184	214	30
CMP 8A	GA	2Q	2Q		13.7	23.5	9.8
CMP 8B	LAZ (Upper)	2Q, 4Q	4Q		156.6	166.6	10
CMP010A	GA	2Q, 4Q	4Q		45.55	55.55	10
CMP 10B	LAZ (Mid)	2Q, 4Q	4Q	2Q, 4Q	137.4	147.4	10
CMP 10C	LAZ (Upper)	2Q, 4Q	4Q	2Q, 4Q	179.6	189.6	10
CMP 10D	TZ	2Q, 4Q	4Q	2Q, 4Q	209.6	229.6	20
CMP 11B	LAZ (Mid)	2Q, 4Q	4Q	2Q, 4Q	139.7	149.7	10
CMP 11D	TZ	2Q, 4Q	4Q		209.47	229.87	20.4
CMP 12A	GA	2Q	2Q		22.1	32.1	10
CMP 12B	LAZ (Mid)	2Q, 4Q	4Q		148	158	10
CMP 13B	LAZ (Mid)	2Q, 4Q	4Q		134.2	144.2	10
CMP 13D	TZ	2Q, 4Q	4Q		217.5	227.5	10
CMP 14B	LAZ (Mid)				130	140	10
CMP 14CR	MAZ				186.49	196.49	10
CMP 14D	TZ				204.1	224.5	20.4
CMP 14DU	TZ				202.57	212.57	10
CMP 15A	GA	2Q	2Q		14.2	24.2	10
CMP 15B	MAZ				145.1	155.1	10
CMP 30B	LAZ (Lower)	2Q, 4Q	4Q		97.4	107.5	10.1
CMP 30C	MAZ	2Q, 4Q	4Q		179.5	189.5	10
CMP 30D	TZ	2Q, 4Q	4Q		211.6	231.6	20
CMP 31B	LAZ (Lower)	2Q, 4Q	4Q		110.03	120.03	10
CMP 31C	MAZ	2Q, 4Q	4Q		197.9	207.9	10
CMP 32C	LAZ (Upper)	2Q, 4Q	4Q		185.2	195.2	10
CMP 32B	LAZ (Lower)				97.7	107.7	10
CMP 33D	LAZ (Upper)	2Q, 4Q	4Q		178.6	188.6	10
CMP 34D	TZ			2Q, 4Q	215.6	225.6	10
CMP 35D	TZ	2Q, 4Q	4Q	2Q, 4Q	213.8	223.8	10
CMP 36D	TZ	2Q, 4Q	4Q		199.2	204.2	5
CMP 37D	TZ	2Q, 4Q	4Q		193.3	198.3	5
CMP 38D	TZ	2Q, 4Q	4Q		196.7	201.7	5
CMP 39D	MAZ	2Q, 4Q	4Q		190.9	195.9	5
CMP 40D	MAZ	2Q, 4Q	4Q		192.13	197.13	5
CMP 41D	MAZ	2Q, 4Q	4Q	2Q	191.7	196.7	5
CMP 43D	MAZ	2Q, 4Q	4Q	2Q	187.8	192.8	5
CMP 44D	MAZ	2Q, 4Q	4Q	2Q, 4Q	204.06	214.06	10
CMP 45D	MAZ	2Q, 4Q	4Q	2Q, 4Q	195.84	205.84	10
CMP 46D	MAZ			2Q, 4Q	198.44	208.44	10
CMP 47D	MAZ	2Q, 4Q	4Q	2Q, 4Q	196.37	206.37	10

Table 1. CMP Pits OU MNA Monitoring Network (continued)

Station	Aquifer Unit	Lab Analyses			Screen Zone (ft msl)		Screen Length (ft)
		VOCs	1,4-Dioxane	Lindane	Bottom	Top	
CMP 48D	MAZ	2Q, 4Q	4Q	4Q – 3rd year*	198.83	208.83	10
CMP 50B	LAZ (Upper)	2Q, 4Q	4Q		167.33	172.33	5
CMP 50D	MAZ	2Q, 4Q	4Q		202.99	212.99	10
CMP 51D	MAZ	2Q, 4Q	4Q		182.27	192.27	10
CMP 52A	GA	2Q	2Q		66.65	76.65	10
CMP 52BL	LAZ (Lower)	2Q, 4Q	4Q		96.59	106.59	10
CMP 52BU	LAZ (Upper)	2Q, 4Q	4Q		180.91	190.91	10
CMP 52C	MAZ	2Q, 4Q	4Q		204.69	209.69	5
CMP 54C	LAZ (Upper)	2Q, 4Q	4Q		178.34	188.34	10
CMP055A	GA	2Q	2Q		16.92	26.92	10
CMP055B	LAZ (Mid)	2Q, 4Q	4Q		136.4	146.4	10
CMP 55C	MAZ	2Q, 4Q	4Q		177.62	187.62	10
CMP 56B	LAZ (Mid)				124.6	134.6	10
CMP 56D	MAZ				167.55	177.55	10
CMP 57B	LAZ (Mid)				125.25	135.25	10
CMP 57D	MAZ				168.21	178.21	10
CMP058B	LAZ (Upper)	2Q, 4Q	4Q	2Q, 4Q	182.7	192.6	9.9
CMP059C	MAZ	2Q, 4Q	4Q	2Q, 4Q	200.8	210.7	9.9
CMP060B	LAZ (Upper)	2Q, 4Q	4Q		171.6	181.6	10
CMP061B	LAZ (Mid)	2Q, 4Q	4Q		129.5	139.5	10
CMP062B	LAZ (Mid)	2Q	2Q		136	146	10
CMP062C	MAZ	2Q	2Q		186.8	191.8	5
CMP062D	TZ	2Q	2Q		210.6	230.6	20
CMP063B	LAZ (Mid)	4Q	2Q		126.1	136.1	10
CMP063C	MAZ	4Q	2Q		184.4	189.4	5
CMP063D	TZ	4Q	2Q		195.7	215.7	20
CMP064BU	LAZ (Upper)	2Q, 4Q	4Q	2Q, 4Q	149.2	159.2	10
CMP064B	LAZ (Lower)	2Q, 4Q	4Q		118.8	128.8	10
CMP065BU	MAZ	2Q, 4Q	4Q	2Q, 4Q	194.37	204.37	10
CMP065B	LAZ (Mid)	2Q, 4Q	4Q		128.94	138.94	10
CMP066B	LAZ (Mid)	4Q	4Q		138.7	148.7	10
CMP067B	LAZ (Mid)	4Q	4Q		143.1	153.1	10
CMPSW-06	SW	2Q, 4Q	4Q				
CMPSW-07	SW	2Q, 4Q	4Q				
CMPSW-08	SW	2Q, 4Q	4Q				
CMPSW-09	SW	2Q, 4Q	4Q				
CMPSW-10	SW	2Q, 4Q	4Q				
CMP-SW-20	SW	2Q, 4Q	4Q				
CMP-SW-21	SW	2Q, 4Q	4Q				
CMP-SW-22	SW	2Q, 4Q	4Q				

*Lindane is analyzed every third year (i.e., 2020, 2023, 2026, etc.)

Table 2. CMP Pits OU Horizontal Groundwater Flow Velocities (4Q20)

GW Flow Line	dh	dl	Conductivity	Porosity	Velocity (ft/day)	Velocity (ft/year)
TZ						
A - A'	20	1418	8	0.3	**0.38**	137.38
B - B'	20.3	1452	8	0.3	**0.37**	136.17
C - C'	5.1	1107	8	0.3	**0.12**	44.87
				TZ Avg.	**0.29**	**106.14**
MAZ						
A - A'	15	1512	50	0.3	**1.65**	603.92
B - B'	15	1394	50	0.3	**1.79**	655.04
				MAZ Avg.	**1.72**	**629.48**
LAZ						
A - A'	4.41	2003	30	0.3	**0.22**	80.42
B - B'	3	330	30	0.3	**0.91**	332.05
C - C'	7.5	522	30	0.3	**1.44**	524.78
				LAZ Avg.	**0.86**	**312.42**
GA						
A - A'	1	1491	20	0.3	**0.04**	**16.33**

dh= difference in head; dl= difference in length

Table 3. CMP Pits OU Annual MNA Results, April 2020 through March 2021

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Table 3. CMP Pits OU Annual MNA Results, April 2020 through March 2021

	Station	Well Use	Aquifer Zone	Field Data: SAMPLE COLLECTION DATE	SAMPLING EVENT WATER ELEVATION	DEPTH TO WATER	STREAM FLOW RATE	WATER TEMPERATURE	AIR TEMPERATURE	PH	SPECIFIC CONDUCTANCE	OXYGEN	OXIDATION/REDUCTION POTENTIAL	TURBIDITY	PHENOLPHTHALEIN ALKALINITY (AS CACO3)	TOTAL ALKALINITY (AS CACO3)	FLOW RATE	VOLUME PURGED	SYNCHRONOUS MEASUREMENT DATE	SYNCHRONOUS WATER ELEVATION	Constituent	FIELD CONDITIONS	CMP MNA Analyte Suite: Pesticides: LINDANE	Volatiles: TETRACHLOROETHYLENE (PCE)	TRICHLOROETHYLENE (TCE)	1,1-DICHLOROETHYLENE	CIS-1,2-DICHLOROETHYLENE	TRANS-1,2-DICHLOROETHYLENE	CHLOROETHENE (VINYL CHLORIDE)	CARBON TETRACHLORIDE	CHLOROFORM	DICHLOROMETHANE (METHYLENE CHLORIDE)	BROMODICHLOROMETHANE	1,1,2-TRICHLOROETHANE	1,4-DIOXANE (METHOD EPA 522)	1,4-DIOXANE (METHOD EPA 8260BSIM)
				day-month-year	ft	ft	cubic ft/s	degC	degC	pH	uS/cm	mg/L	mV	NTU	mg/L	mg/L	gal/min	gal	day-month-year	ft	Unit		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
																					GWPS		0.2	5	5	7	70	100	2	5	80	5	100	5	0.46	0.46
TZ	CMP 10D	Monitoring Well	TZ_UAZ_UTRAU	05-May-2020	221.98	89.72		18.8	21.1	3.9	42	NS	NS	0.9	NS	NS	0.1	2				W	0.132	34.2	11.8	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	6.45	1.95	<EQL (5)	<EQL (1)	<EQL (1)	NS	NS
	CMP 10D	Monitoring Well	TZ_UAZ_UTRAU	28-Oct-2020	222.16	89.54		18.9	20	3.3	524	NS	NS	12	NS	NS	0.1	1				W	[0.0341]	13.7	5.82	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	8.21	[0.67]	<EQL (5)	<EQL (1)	<EQL (1)	2.84	3.3
	CMP 11D	Monitoring Well	TZ_UAZ_UTRAU	04-May-2020	221.76	89.44		22.2	28.2	6.6	39	6.14	197	6.2	0	26	0.5	7				X	[0.0078]	22.3	101	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	1.87	4.62	<EQL (5)	<EQL (1)	<EQL (1)	NS	NS
	CMP 11D	Monitoring Well	TZ_UAZ_UTRAU	05-Nov-2020	222.2	89		19.7	26.6	6.9	71	7.26	182	26.6	0	31	0.5	4				X	[0.01]	62.3	113	<EQL (2)	2.06	<EQL (2)	<EQL (2)	[1.54]	5.36	<EQL (10)	<EQL (2)	<EQL (2)	18	22
	CMP 13D	Monitoring Well	TZ_UAZ_UTRAU	04-May-2020	221.2	69.5		19.7	27.9	6.8	41	4.4	195	0.6	0	20	0.5	5					<EQL (0.02)	15.8	1.52	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (5)	<EQL (1)	<EQL (1)	NS	NS
	CMP 13D	Monitoring Well	TZ_UAZ_UTRAU	05-Nov-2020	221.4	69.3		19.7	17.3	6.2	31	5.68	243	0.3	0	18	0.5	6					<EQL (0.02)	8.78	[0.87]	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (5)	<EQL (1)	<EQL (1)	<EQL (0.2)	<EQL (3)
	CMP 30D	Monitoring Well	TZ_UAZ_UTRAU	04-May-2020	220.8	69.4		19.1	28.1	5.7	26	0.35	171	2.8	0	12	0	12					NS	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (5)	<EQL (1)	<EQL (1)	NS	NS
	CMP 30D	Monitoring Well	TZ_UAZ_UTRAU	05-Nov-2020	220.6	69.6		18.4	13	5.5	23	10.57	342	11.4	0	5	0	13					NS	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (5)	<EQL (1)	<EQL (1)	<EQL (0.2)	<EQL (3)
	CMP 34D	Monitoring Well	TZ_UAZ_UTRAU	05-May-2020	221.44	84.71		20.3	27.8	3.2	42	NS	NS	1.5	NS	NS	0.1	2				W	0.0938	1060	9.61	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (5)	<EQL (1)	<EQL (1)	NS	
	CMP 34D	Monitoring Well	TZ_UAZ_UTRAU	28-Oct-2020	221.33	84.82		19.6	21.3	3.6	49	NS	NS	6.5	NS	NS	0.1	2				W	<EQL (0.02)	94.5	1.68	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (5)	<EQL (1)	<EQL (1)	0.95	<EQL (3)
	CMP 35D	Monitoring Well	TZ_UAZ_UTRAU	05-May-2020	221.91	92.13		20.3	26.1	4.9	79	NS	NS	0.9	NS	NS	0.1	2				W	11.6	1690	916	<EQL (1)	1.41	<EQL (1)	<EQL (1)	21.3	33	<EQL (5)	6.66	[0.44]	NS	NS
	CMP 35D	Monitoring Well	TZ_UAZ_UTRAU	28-Oct-2020	221.94	92.1		20.3	21.1	5.2	223	NS	NS	2.5	NS	NS	0.1	2				W	[8.85]	[1890]	1110	<EQL (25)	<EQL (25)	<EQL (25)	<EQL (25)	[22]	37	<EQL (125)	<EQL (25)	<EQL (25)	72.4	80
	CMP 36D	Monitoring Well	TZ_UAZ_UTRAU	04-May-2020	206.56	6.3		16.4	18.3	4.7	32	2.81	221	1.6	0	0	0.2	3					NS	4.79	[0.42]	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (5)	<EQL (1)	<EQL (1)	NS	NS
	CMP 36D	Monitoring Well	TZ_UAZ_UTRAU	10-Nov-2020	204.56	8.3		19.6	19.6	4.4	28	1.65	310	9.8	0	0	0.2	2					NS	7.96	3.48	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[0.98]	1.03	<EQL (5)	<EQL (1)	<EQL (1)	5.48	6.8
	CMP 37D	Monitoring Well	TZ_UAZ_UTRAU	04-May-2020	202.57	4.8		16.2	19	4.8	29	3.5	330	5.5	0	0	0.2	4					NS	2.13	2.97	<EQL (1)	1.23	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (5)	<EQL (1)	<EQL (1)	NS	NS
	CMP 37D	Monitoring Well	TZ_UAZ_UTRAU	10-Nov-2020	201.32	6.05		19.6	19.9	4.7	23	1.3	224	6.6	0	0	0.2	4					NS	31.8	15.2	<EQL (1)	1.67	<EQL (1)	<EQL (1)	[0.68]	2.31	<EQL (5)	<EQL (1)	<EQL (1)	5.06	6.9
	CMP 38D	Monitoring Well	TZ_UAZ_UTRAU	04-May-2020	201.43	8.2		16.3	20	4.8	20	3.46	236	1	0	0	0.2	3					NS	20.8	19.2	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[0.57]	[0.97]	<EQL (5)	<EQL (1)	<EQL (1)	NS	NS
	CMP 38D	Monitoring Well	TZ_UAZ_UTRAU	10-Nov-2020	200.63	9		19.9	19.9	4.7	21	1.35	268	1.2	0	0	0.2	2					NS	38.5	39.3	<EQL (1)	6.15	<EQL (1)	<EQL (1)	1.44	2.58	<EQL (5)	<EQL (1)	<EQL (1)	5.74	7.5
	CMP062D	Monitoring Well	TZ_UAZ_UTRAU	05-May-2020	246.15	41.6		20.5	22.7	4.8	16	9.31	240	3	0	0	0.5	12	10-Nov-2020	242.85			NS	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (5)	<EQL (1)	<EQL (1)	<EQL (0.2)	<EQL (3)
	CMP063D	Monitoring Well	TZ_UAZ_UTRAU	10-Nov-2020	219.08	62		18.6	27.1	6.1	21	4.8	226	3.7	0	8	0.2	8					NS	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (5)	<EQL (1)	<EQL (1)	<EQL (0.2)	<EQL (3)
MAZ	CMB 15I	Monitoring Well	MAZ_UTRAU	04-May-2020	220.14	68.27		21.7	33.8	5.6	17	6.3	250	7.7	0	4	0.2	1					[0.0086]	277	77.9	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	8.77	3.2	<EQL (5)	<EQL (1)	<EQL (1)	NS	NS
	CMB 15I	Monitoring Well	MAZ_UTRAU	05-Nov-2020	219.61	68.8		19.6	10.9	4.9	18	2.22	504	4.8	0	0	0.2	1					[0.0072]	133	34.7	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	1.57	[0.37]	<EQL (5)	<EQL (1)	<EQL (1)	[0.178]	<EQL (3)
	CMB 24I	Monitoring Well	MAZ_UTRAU	04-May-2020	212.59	77.84		21.3	32.8	5.2	18	7.43	259	0.7	0	3	0.2	1					NS	120	8.66	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[0.75]	<EQL (1)	<EQL (5)	<EQL (1)	<EQL (1)	NS	NS
	CMB 24I	Monitoring Well	MAZ_UTRAU	05-Nov-2020	210.83	79.6		19.5	16.2	4.9	20	2.97	515	1.4	0	0	0.2	2					NS	122	21	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[0.73]	<EQL (1)	<EQL (5)	<EQL (1)	<EQL (1)	0.31	<EQL (3)
	CMP 8	Monitoring Well	MAZ_UTRAU	04-May-2020	204.9	23.9		21	27.7	5	68	5.72	230	0.8	0	0	1	28					NS	103	27.7	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	1.74	[0.89]	<EQL (5)	<EQL (1)	<EQL (1)	NS	NS
	CMP 8	Monitoring Well	MAZ_UTRAU	05-Nov-2020	202.9	25.9		20.2	18.1	5.2	20	1.9	447	0.4	0	0	1	28					NS	85.3	22.3	<EQL (2)	<EQL (2)	<EQL (2)	[1.76]	[0.78]	<EQL (10)	<EQL (2)	<EQL (2)	0.78	<EQL (3)
	CMP 30C	Monitoring Well	MAZ_UTRAU	04-May-2020	208.5	81.5		21.2	30	5.4	17	1.73	172	3.9	0	4	0.5	10					NS	1.92	2.05	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (5)	<EQL (1)	<EQL (1)	NS	NS
	CMP 30C	Monitoring Well	MAZ_UTRAU	05-Nov-2020	208.1	81.9		19.9	13.1	5.4	17	9.83	366	2.3	0	3	0.5	10					NS	1.94	1.8	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (5)	<EQL (1)	<EQL (1)	1.32	<EQL (3)
	CMP 31C	Monitoring Well	MAZ_UTRAU	04-May-2020	211.5	43.8		19.4	27	4.5	16	11.22	227	373	0	4	Bailed	4					NS	3.03	[0.84]	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (5)	<EQL (1)	<EQL (1)	NS	NS
	CMP 31C	Monitoring Well	MAZ_UTRAU	05-Nov-2020	210	45.3		16.6	17.1	5.5	17	2.03	335	72.8	0	2	Bailed	4					NS	4.19	1.16	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (5)	<EQL (1)	<EQL (1)	<EQL (0.2)	<EQL (3)
	CMP 39D	Monitoring Well	MAZ_UTRAU	04-May-2020	199.44	5.9		16.5	21.3	4.8	22	3.36	-25	2.8	0	0	0.2	4					NS	[0.45]	[0.42]	<EQL (1)	[0.5]	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (5)	<EQL (1)	<EQL (1)	NS	NS
	CMP 39D	Monitoring Well	MAZ_UTRAU	10-Nov-2020	198.64	6.7		19.7	20.3	4.7	25	1.37	232	5	0	0	0.2	4					NS	12.5	8.53	<EQL (1)	2.37	<EQL (1)	<EQL (1)	<EQL (1)	[0.79]	<EQL (5)	<EQL (1)	<EQL (1)	1.26	<EQL (3)
	CMP 40D	Monitoring Well	MAZ_UTRAU	04-May-2020	199.53	7.4		19.2	27.4	4.8	29	3.5	112	2.4	0	0	0.05	2					NS	1.62	[0.65]	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (5)	<EQL (1)	<EQL (1)	NS	NS
	CMP 40D	Monitoring Well	MAZ_UTRAU	10-Nov-2020	198.33	8.6		19.5	22.2	6	22	8.33	242	4.1	0	10	0.1	2					NS	3.69	2.11	<EQL (1)	6.04	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (5)	<EQL (1)	<EQL (1)	0.637	<EQL (3)
	CMP 41D	Monitoring Well	MAZ_UTRAU	05-May-2020	197.63	6.4		16.7	17.6	4.9	26	4	-34	7.6	0	0	0.1	2					<EQL (0.02)	3.59	4.85	<EQL (1)	[0.42]	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (5)	<EQL (1)	<EQL (1)	NS	NS
	CMP 41D	Monitoring Well	MAZ_UTRAU	10-Nov-2020	196.83	7.2		19.3	21.7	5.7	24	9.74	189	1.7	0	7	0.2	2					NS	3.53	4.16	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (5)	<EQL (1)	<EQL (1)	<EQL (0.2)	<EQL (3)
	CMP 43D	Monitoring Well	MAZ_UTRAU	05-May-2020	193.75	4.6		16.7	19.6	4.7	27	NS	NS	4.2	0	0	0.2	3					<EQL (0.02)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (5)	<EQL (1)	<EQL (1)	NS	NS
	CMP 43D	Monitoring Well	MAZ_UTRAU	10-Nov-2020	193.25	5.1		19.3	21.1	5.7	28	5.44	108	1.3	0	6	0.2	4					NS	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (5)	<EQL (1)	<EQL (1)	<EQL (0.2)	<EQL (3)
	CMP 44D	Monitoring Well	MAZ_UTRAU	05-May-2020	212.75	72.46		19.9	28.5	2.8	37	NS	NS	0.1	NS	NS	0.1	2					0.193	209	18.6	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[0.43]	<EQL (5)	<EQL (1)	<EQL (1)	NS	NS
	CMP 44D	Monitoring Well	MAZ_UTRAU	18-Nov-2020	212.39	72.82		18.1	5.6	3.7	5058	NS	NS	0.5	NS	NS	0.1	2					0.107	141	23	<EQL (4)	<EQL (4)	<EQL (4)	<EQL (4)	<EQL (4)	<EQL (4)	<EQL (20)	<EQL (4)	<EQL (4)	7.2	9.8
	CMP 45D	Monitoring Well	MAZ_UTRAU	05-May-2020	210.86	74.6		21.6	26.2	5.1	18	1.99	311	3.1	0	0	0.5	22					0.149	335	83.3	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[0.62]	<EQL (5)	<EQL (1)	<EQL (1)	NS	NS
	CMP 45D	Monitoring Well	MAZ_UTRAU	18-Nov-2020	210.24	75.22		NS	9.4	NS	NS	NS	NS	NS	NS	NS	0.5	19					0.135	276	70.4	<EQL (5)	<EQL (5)	<EQL (5)	<EQL (5)	<EQL (5)	<EQL (5)	<EQL (25)	<EQL (5)	<EQL (5)	6.69	8.5
	CMP 46D	Monitoring Well	MAZ_UTRAU	05-May-2020	210.44	81.3		19.3	26.3	5	20	2.05	390	8.6	0	0	0.1	5					0.136	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	CMP 46D	Monitoring Well	MAZ_UTRAU	18-Nov-2020	210.3	81.44		NS	5.9	NS	NS	NS	NS	NS	NS	NS	0.2	0					0.176	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	CMP 47D	Monitoring Well	MAZ_UTRAU	05-May-2020	209.98	82.8		22.4	29.7	5	20	1.4	368	14.5	0	0	0.5	21					0.136	490	30.5	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[0.37]	<EQL (5)	<EQL (1)	<EQL (1)	NS	NS
	CMP 47D	Monitoring Well	MAZ_UTRAU	18-Nov-2020	209.66	83.12		NS	8.9	NS	NS	NS	NS	NS	NS	NS	0.5	18					0.138	554	23.8	<EQL (10)	<EQL (10)	<EQL (10)	<EQL (10)	<EQL (10)	<EQL (10)	<EQL (50)	<EQL (10)	<EQL (10)	15.4	15
	CMP 48D	Monitoring Well	MAZ_UTRAU	04-May-2020	209.14	65.91		22.6	33.1	4.3	17	9.14	299	2.5	0	2	0.5	15					NS	159	86.7	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[0.46]	<EQL (5)	<EQL (1)	<EQL (1)	NS	NS
	CMP 48D	Monitoring Well	MAZ_UTRAU	05-Nov-2020	209.15	65.9		18.8	10.1	5.1	17	4.8	295	2.8	0	0	0.5	16					0.0221	53.7	61.3	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (5)	<EQL (1)	<EQL (1)	1.26	<EQL (3)
	CMP 50D	Monitoring Well	MAZ_UTRAU	05-May-2020	210.64	72.5		22	22.5	5.5	21	10.33	212	0.7	0	4	0.5	11					NS	1.41	[0.4]	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (5)	<EQL (1)	<EQL (1)	NS	NS
	CMP 50D	Monitoring Well	MAZ_UTRAU	05-Nov-2020	210.54	72.6		19.3	22.3	5.4	24	5.1	351	4.1	0	6	0.5	12					NS	2.73	[0.81]	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (5)	<EQL (1)	<EQL (1)	<EQL (0.2)	<EQL (3)
	CMP 51D	Monitoring Well	MAZ_UTRAU	05-May-2020	207.73	36.82		19.2	24.6	6	44	3.56	214	8.3	0	10	1	34					NS	5.05	1.25	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (5)	<EQL (1)	<EQL (1)	NS	NS
	CMP 51D	Monitoring Well	MAZ_UTRAU	05-Nov-2020	207.65	36.9		18.4	15.7	5.8	40	4.2	284	6.8	0	14	1	36					NS	6.11	1.65	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (5)	<EQL (1)	<EQL (1)	<EQL (0.2)	<EQL (3)
	CMP 52C	Monitoring Well	MAZ_UTRAU	05-May-2020	211.5	102.2		21.2	24.7	5.2	21	9.9	274	97.1	0	8	NS	2					0.0286	143	115	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[0.45]	[0.78]	<EQL (5)	<EQL (1)	<EQL (1)	NS	NS
	CMP 52C	Monitoring Well	MAZ_UTRAU	05-Nov-2020	211.43	102.27		20.6	21.7	5.3	22	9.05	348	54.9	0	14	0	2					NS	144	113	<EQL (2)	<EQL (2)	<EQL (2)	<EQL (2)	[0.7]	[0.9]	<EQL (10)	<EQL (2)	<EQL (2)	6.16	7.2
	CMP 55C	Monitoring Well	MAZ_UTRAU	05-May-2020	197.99	27.46		22.2	28.8	5.5	27	8.41	194	50.7	0	21	0.5	11					NS	[0.34]	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (5)	<EQL (1)	<EQL (1)	NS	NS
	CMP 55C	Monitoring Well	MAZ_UTRAU	09-Nov-2020	196.95	28.5		19.8	21.1	6.1	27	7.66	244	1.8	0	16	0.5	7					NS	[0.37]	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (5)	<EQL (1)	<EQL (1)	<EQL (0.2)	<EQL (3)
	CMP059C	Monitoring Well	MAZ_UTRAU	05-May-2020	211.64	103.5		19.9	23.2	5.2	24	3.32	267	4.9	0	0	0.2	2					0.107	171	115	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[0.61]	<EQL (5)	<EQL (1)	<EQL (1)	NS	NS
	CMP059C	Monitoring Well	MAZ_UTRAU	09-Nov-2020	211.74	103.4		20.2	23.7	5.2	24	1.06	418	1.4	0	0	0.2	2					0.12	231	114	<EQL (5)	<EQL (5)	<EQL (5)	<EQL (5)	<EQL (5)	<EQL (5)	<EQL (25)	<EQL (5)	<EQL (5)	1.73	<EQL (3)
	CMP062C	Monitoring Well	MAZ_UTRAU	05-May-2020	227.08	61		18.6	28.8	5.3	22	6.75	217	0.4	0	2	0.2	6	10-Nov-2020	226.42	X		NS	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (5)	<EQL (1)	<EQL (1)	<EQL (0.2)	<EQL (3)
	CMP063C	Monitoring Well	MAZ_UTRAU	10-Nov-2020	205.66	75.5		18.5	24.2	6.6	41	4.3	210	2.2	0	18	0.3	7					NS	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (5)	<EQL (1)	<EQL (1)	<EQL (0.2)	<EQL (3)
	CMP065BU	Monitoring Well	MAZ_UTRAU	04-May-2020	206.73	48.2		18.4	27.8	5.6	35	5.1	198	2.3	0	6	0.1	4					<EQL (0.02)	24	6.27	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (5)	<EQL (1)	<EQL (1)	NS	NS
	CMP065BU	Monitoring Well	MAZ_UTRAU	09-Nov-2020	207.21	47.72		18.5	26.5	5.2	21	3.72	410	0.5	0	0	0.1	2					<EQL (0.02)	28.3	8.62	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (5)	<EQL (1)	<EQL (1)	[0.143]	<EQL (3)
LAZ	CMP 8B	Monitoring Well	LAZ_UTRAU	04-May-2020	199.08	30.62		21	24.7	6.6	96	13.2	151	2.9	0	44	2	56					NS	3.96	1.2	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (5)	<EQL (1)	<EQL (1)	NS	NS
	CMP 8B	Monitoring Well	LAZ_UTRAU	05-Nov-2020	197.89	31.81		19.3	22.7	6.6	112	1.57	405	0.8	0	29	2	55					NS	4.44	1.3	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (5)	<EQL (1)	<EQL (1)	<EQL (0.2)	<EQL (3)
	CMP 10B	Monitoring Well	LAZ_UTRAU	04-May-2020	195.3	115.6		20.6	25.5	7.7	187	5.2	189	0.2	0	82	2	78					<EQL (0.02)	9.63	12	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (5)	<EQL (1)	<EQL (1)	NS	NS
	CMP 10B	Monitoring Well	LAZ_UTRAU	28-Oct-2020	194.55	116.35		20.1	17.3	7.2	181	4.67	240	0.2	0	52	2	81					<EQL (0.02)	8.35	11.7	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (5)	<EQL (1)	<EQL (1)	0.411	<EQL (3)
	CMP 10C	Monitoring Well	LAZ_UTRAU	05-May-2020	199.9	112.2		19	24.4	5.3	175	NS	NS	5.5	NS	NS	0.1	3				W	0.522	301	86.6	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	5.23	5.4	<EQL (5)	[0.65]	<EQL (1)	NS	NS
	CMP 10C	Monitoring Well	LAZ_UTRAU	28-Oct-2020	199.2	112.9		19.1	20	5.5	233	NS	NS	2.5	NS	NS	0.1	1				W	[0.464]	159	63.6	<EQL (5)	<EQL (5)	<EQL (5)	<EQL (5)	5.2	5.65	<EQL (25)	<EQL (5)	<EQL (5)	38.9	46
	CMP 11B	Monitoring Well	LAZ_UTRAU	04-May-2020	195.49	114.81		20.4	31.1	7.3	186	5.28	187	0.6	0	88	3	74					<EQL (0.02)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (5)	<EQL (1)	<EQL (1)	NS	NS
	CMP 11B	Monitoring Well	LAZ_UTRAU	05-Nov-2020	194.3	116		17.7	14.3	7.9	186	6.53	189	0.8	0	79	3	74					<EQL (0.02)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (5)	<EQL (1)	<EQL (1)	<EQL (0.2)	<EQL (3)
	CMP 12B	Monitoring Well	LAZ_UTRAU	04-May-2020	194	90.1		19.3	24.2	6.6	179	4.8	203	0.5	0	59	1.5	63					NS	60.4	28	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (5)	<EQL (1)	<EQL (1)	NS	NS
	CMP 12B	Monitoring Well	LAZ_UTRAU	05-Nov-2020	194.05	90.05		20.1	18.1	6.9	176	7.56	300	0.7	0	64	1.5	62					NS	58.4	24.8	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (5)	<EQL (1)	<EQL (1)	0.921	<EQL (3)
	CMP 13B	Monitoring Well	LAZ_UTRAU	04-May-2020	194.6	94.7		19.5	28.7	10.5	2748	4.9	2	12.8	60	152	0.2	2					NS	9.03	6.72	<EQL (1)	<EQL (1)	<EQL (1)

Table 4. CMP Pits OU PCE Max Results from 2008 and 2020 (µg/L)

Station	Aquifer	2008 Max (Pre ERH/SVE)	2020 Max
CMP 10D	TZ	620	34.2
CMP 11D	TZ	421	62.3
CMP 13D	TZ	1.71	15.8
CMP 14D	TZ	NS	NS
CMP 14DU	TZ	NS	NS
CMP 30D	TZ	<EQL(1)	<EQL(1)
CMP 34D	TZ	49.4	1,060
CMP 35D	TZ	122	NDD(1,890)
CMP 36D	TZ	56.9	7.96
CMP 37D	TZ	358	31.8
CMP 38D	TZ	48.2	38.5
CMP062D	TZ	<EQL(1)	<EQL(1)
CMP063D	TZ	<EQL(1)	<EQL(1)
CMB 15I	MAZ	437	277
CMB 24I	MAZ	20.8	122
CMP 8	MAZ	299	103
CMP 14CR	MAZ	<EQL(1)	NS
CMP 15B	MAZ	<EQL(1)	<EQL(1)
CMP 30C	MAZ	3.78	1.94
CMP 31C	MAZ	NS - Dry	4.19
CMP 39D	MAZ	71.7	12.5
CMP 40D	MAZ	135	3.69
CMP 41D	MAZ	5.48	3.59
CMP 43D	MAZ	<EQL(1)	<EQL(1)
CMP 44D	MAZ	312	209
CMP 45D	MAZ	973	335
CMP 46D	MAZ	NDD(434)	NA
CMP 47D	MAZ	NDD(845)	554
CMP 48D	MAZ	601	159
CMP 50D	MAZ	8.62	2.73
CMP 51D	MAZ	13.4	6.11
CMP 52C	MAZ	NS	145
CMP 55C	MAZ	<EQL(1)	NDD(0.37)
CMP 56D	MAZ	NS	NS
CMP 57D	MAZ	NS	NS
CMP059C	MAZ	78.5	231
CMP062C	MAZ	<EQL(1)	<EQL(1)
CMP063C	MAZ	<EQL(1)	<EQL(1)
CMP065BU	MAZ	NS	28.3
CMP 8B	LAZ	<EQL(1)	4.44
CMP 10B	LAZ	<EQL(1)	9.63

Station	Aquifer	2008 Max (Pre ERH/SVE)	2020 Max
CMP 10C	LAZ	466	301
CMP 11B	LAZ	<EQL(1)	<EQL(1)
CMP 12B	LAZ	46.3	60.4
CMP 13B	LAZ	1.25	12.1
CMP 14B	LAZ	<EQL(1)	NS
CMP 30B	LAZ	<EQL(1)	<EQL(1)
CMP 31B	LAZ	<EQL(1)	NDD(0.37)
CMP 32C	LAZ	110	395
CMP 33D	LAZ	16.4	1.94
CMP 50B	LAZ	<EQL(1)	<EQL(1)
CMP 52BL	LAZ	<EQL(1)	<EQL(1)
CMP 52BU	LAZ	35.1	180
CMP 54C	LAZ	NDD(196)	312
CMP055B	LAZ	NS	<EQL(1)
CMP 56B	LAZ	NS	NS
CMP 57B	LAZ	NS	NS
CMP058B	LAZ	6.51	26.6
CMP060B	LAZ	<EQL(1)	NDD(0.36)
CMP061B	LAZ	<EQL(1)	<EQL(1)
CMP062B	LAZ	<EQL(1)	<EQL(1)
CMP063B	LAZ	<EQL(1)	<EQL(1)
CMP064BU	LAZ	NS	379
CMP064B	LAZ	NS	<EQL(1)
CMP065B	LAZ	NS	NDD(0.34)
CMP066B	LAZ	NS	<EQL(1)
CMP067B	LAZ	NS	<EQL(1)
CMP 8A	GA	<EQL(1)	<EQL(1)
CMP010A	GA	NS	287
CMP 12A	GA	NDD(0.679)	NDD(0.83)
CMP 15A	GA	<EQL(1)	<EQL(1)
CMP 52A	GA	<EQL(1)	<EQL(1)
CMP055A	GA	NS	<EQL(1)
CMP-SW-06	SW	<EQL(1)	<EQL(1)
CMP-SW-07	SW	NDD(0.63)	<EQL(1)
CMP-SW-08	SW	<EQL(1)	<EQL(1)
CMP-SW-09	SW	<EQL(1)	<EQL(1)
CMP-SW-10	SW	1.38	<EQL(1)
CMP-SW-20	SW	NS	<EQL(1)
CMP-SW-21	SW	NS	<EQL(1)
CMP-SW-22	SW	NS	<EQL(1)

EQL=Sample Quantitation Limit (non-detect result); NDD=Not Decision Data (estimated result); NS = Not sampled; NA= Not analyzed for VOCs

Table 5. CMP Pits OU Lindane Max Results from 2008 and 2020 (µg/L)

Station	Aquifer	2008 Max (Pre ERH/SVE)	2020 Max
CMP 10D	TZ	0.185	0.132
CMP 11D	TZ	0.0509	NDD(0.01)
CMP 13D	TZ	<EQL(0.0225)	<EQL(.02)
CMP 14D	TZ	NS	NS
CMP 14DU	TZ	NS	NS
CMP 30D	TZ	<EQL(0.0222)	NA
CMP 34D	TZ	0.345	0.0938
CMP 35D	TZ	1.73	11.6
CMP 36D	TZ	<EQL(0.0217)	NA
CMP 37D	TZ	<EQL(0.0217)	NA
CMP 38D	TZ	<EQL(0.0217)	NA
CMP062D	TZ	<EQL(1)	NA
CMP063D	TZ	<EQL(1)	NA
CMB 15I	MAZ	0.165	NDD(0.0086)
CMB 24I	MAZ	NDD(0.0192)	NA
CMP 8	MAZ	NDD(0.0192)	NA
CMP 14CR	MAZ	<EQL(0.0222)	NS
CMP 15B	MAZ	<EQL(0.0213)	NS
CMP 30C	MAZ	<EQL(0.0213)	NA
CMP 31C	MAZ	NS - Dry	NA
CMP 39D	MAZ	<EQL(0.0217)	NA
CMP 40D	MAZ	<EQL(0.0217)	NA
CMP 41D	MAZ	<EQL(0.0227)	NA
CMP 43D	MAZ	<EQL(1)	NA
CMP 44D	MAZ	0.474	0.193
CMP 45D	MAZ	0.484	0.149
CMP 46D	MAZ	0.704	0.176
CMP 47D	MAZ	0.36	0.138
CMP 48D	MAZ	0.157	0.0221
CMP 50D	MAZ	<EQL(0.0217)	NA
CMP 51D	MAZ	<EQL(0.0217)	NA
CMP 52C	MAZ	NS	0.0286
CMP 55C	MAZ	<EQL(0.0213)	NA
CMP 56D	MAZ	NS	NA
CMP 57D	MAZ	NS	NA
CMP059C	MAZ	0.362	0.12
CMP062C	MAZ	<EQL(0.0213)	NA
CMP063C	MAZ	<EQL(0.0217)	NA
CMP065BU	MAZ	NS	NDD(.02)
CMP 8B	LAZ	<EQL(0.0217)	NA
CMP 10B	LAZ	<EQL(0.0217)	NDD(0.0072)
CMP 10C	LAZ	0.126	0.522
CMP 11B	LAZ	<EQL(0.02)	<EQL(.02)
CMP 12B	LAZ	NDD(0.0184)	NA
CMP 13B	LAZ	<EQL(0.0227)	NA
CMP 14B	LAZ	<EQL(0.0222)	NS
CMP 30B	LAZ	<EQL(0.0213)	NA
CMP 31B	LAZ	<EQL(0.0213)	NA
CMP 32C	LAZ	<EQL(0.0217)	NA
CMP 33D	LAZ	<EQL(0.0217)	NA
CMP 50B	LAZ	<EQL(0.0222)	NA
CMP 52BL	LAZ	<EQL(0.0217)	NA
CMP 52BU	LAZ	<EQL(0.0227)	NA
CMP 54C	LAZ	<EQL(0.0202)	NA
CMP 56B	LAZ	NS	NA
CMP 57B	LAZ	NS	NA
CMP055B	LAZ	NS	NA
CMP058B	LAZ	<EQL(0.0227)	<EQL(.02)
CMP060B	LAZ	<EQL(0.0217)	NA
CMP061B	LAZ	<EQL(0.0241)	NA
CMP062B	LAZ	<EQL(0.023)	NA
CMP063B	LAZ	<EQL(0.0217)	NA
CMP064B	LAZ	NS	NA
CMP064BU	LAZ	NS	0.187
CMP065B	LAZ	NS	NA
CMP066B	LAZ	NS	NA
CMP067B	LAZ	NS	NA
CMP 8A	GA	<EQL(0.0217)	NA
CMP010A	GA	NS	0.649
CMP 12A	GA	<EQL(0.0213)	NA
CMP 15A	GA	<EQL(0.0227)	NA
CMP 52A	GA	<EQL(0.0217)	NA
CMP055A	GA	NS	NA
CMP-SW-06	SW	NA	NA
CMP-SW-07	SW	NA	NA
CMP-SW-08	SW	NA	NA
CMP-SW-09	SW	NA	NA
CMP-SW-10	SW	NA	NA
CMP-SW-20	SW	NS	NA
CMP-SW-21	SW	NS	NS
CMP-SW-22	SW	NS	NA

EQL=Sample Quantitation Limit (non-detect result); NDD=Not Decision Data (estimated result); NS = Not sampled; NA= Not analyzed for lindane

Table 6. SCSU Groundwater and Surface Water Results from 2020

STATION ID	COLLECTION DATE	Sample Type	Sample Location	PCE	TCE	1,1-DCE	CIS-1,2-DCE	T-1,2-DCE	VC
SCSU-CMP-3B	8/5/2020	SW - GRAB	Within Stream	ND	ND	ND	ND	ND	ND
SCSU-CMP-4	7/30/2020	GW - PDB	Below Stream Bottom	ND	ND	ND	1.7	ND	ND
SCSU-CMP-4	7/14/2020	GW - Pump	80 cm Below Stream Bottom	ND	ND	ND	1.9	ND	ND
SCSU-CMP-4	8/5/2020	SW - GRAB	Within Stream	ND	ND	ND	ND	ND	ND
SCSU-CMP-5B	8/5/2020	SW - GRAB	Within Stream	ND	ND	ND	ND	ND	ND
SCSU-CMP-5D1B	7/28/2020	GW - PDB	Below Stream Bottom	8.4	2.1	ND	44.0	ND	4.5
SCSU-CMP-5D1B	8/5/2020	SW - GRAB	Within Stream	ND	ND	ND	ND	ND	ND
SCSU-CMP-5D1BA	7/6/2020	GW - Pump	80 cm Below Stream Bottom	22.0	9.4	ND	38.0	ND	2.2
SCSU-CMP-5D1BA	1/5/2021	GW - PDB	Below Stream Bottom	94.2	32.3	ND	30.5	ND	2.4
SCSU-CMP-5D1BA	1/5/2021	GW - Pump	80 cm Below Stream Bottom	69.2	22.5	ND	21.8	ND	2.2
SCSU-CMP-5D2B	8/5/2020	SW - GRAB	Within Stream	ND	ND	ND	ND	ND	ND
SCSU-CMP-5DB80	7/28/2020	GW - PDB	Below Stream Bottom	43.7	21.7	ND	3.0	ND	ND
SCSU-CMP-5DB80	7/6/2020	GW - Pump	80 cm Below Stream Bottom	74.7	26.7	ND	3.8	ND	ND
SCSU-CMP-5DB80	8/5/2020	SW - GRAB	Within Stream	ND	ND	ND	ND	ND	ND
SCSU-CMP-5DB80A	1/5/2021	GW - PDB	Below Stream Bottom	42.0	19.8	ND	54.0	ND	4.2
SCSU-CMP-5DB80A	1/5/2021	GW - Pump	80 cm Below Stream Bottom	27.8	13.8	ND	51.5	ND	4.3
SCSU-CMP-5DZ3	7/28/2020	GW - PDB	Below Stream Bottom	ND	1.1	ND	33.0	ND	14.7
SCSU-CMP-5DZ3	7/6/2020	GW - Pump	80 cm Below Stream Bottom	1.6	1.6	ND	52.3	ND	14.0
SCSU-CMP-5DZ3	8/5/2020	SW - GRAB	Within Stream	ND	ND	ND	ND	ND	ND
SCSU-CMP-5DZ3A	1/5/2021	GW - PDB	Below Stream Bottom	ND	ND	ND	4.0	ND	31.8
SCSU-CMP-5DZ3A	1/5/2021	GW - Pump	80 cm Below Stream Bottom	ND	ND	ND	3.2	ND	27.5
SCSU-CMP-5G	7/30/2020	GW - PDB	Below Stream Bottom	ND	0.7	ND	0.3	ND	ND
SCSU-CMP-5G	7/14/2020	GW - Pump	80 cm Below Stream Bottom	0.3	ND	ND	ND	ND	ND

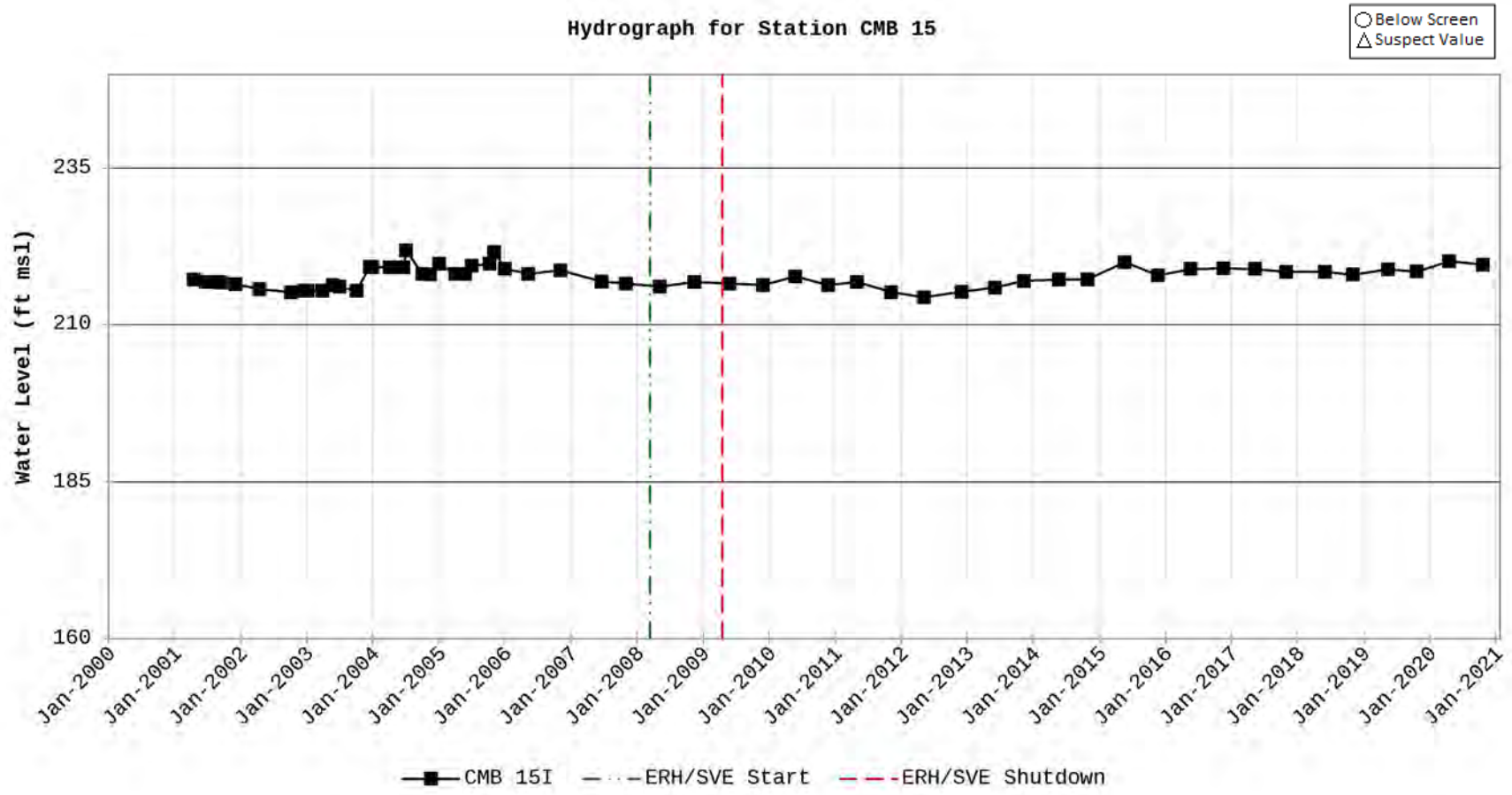
ND = not detected

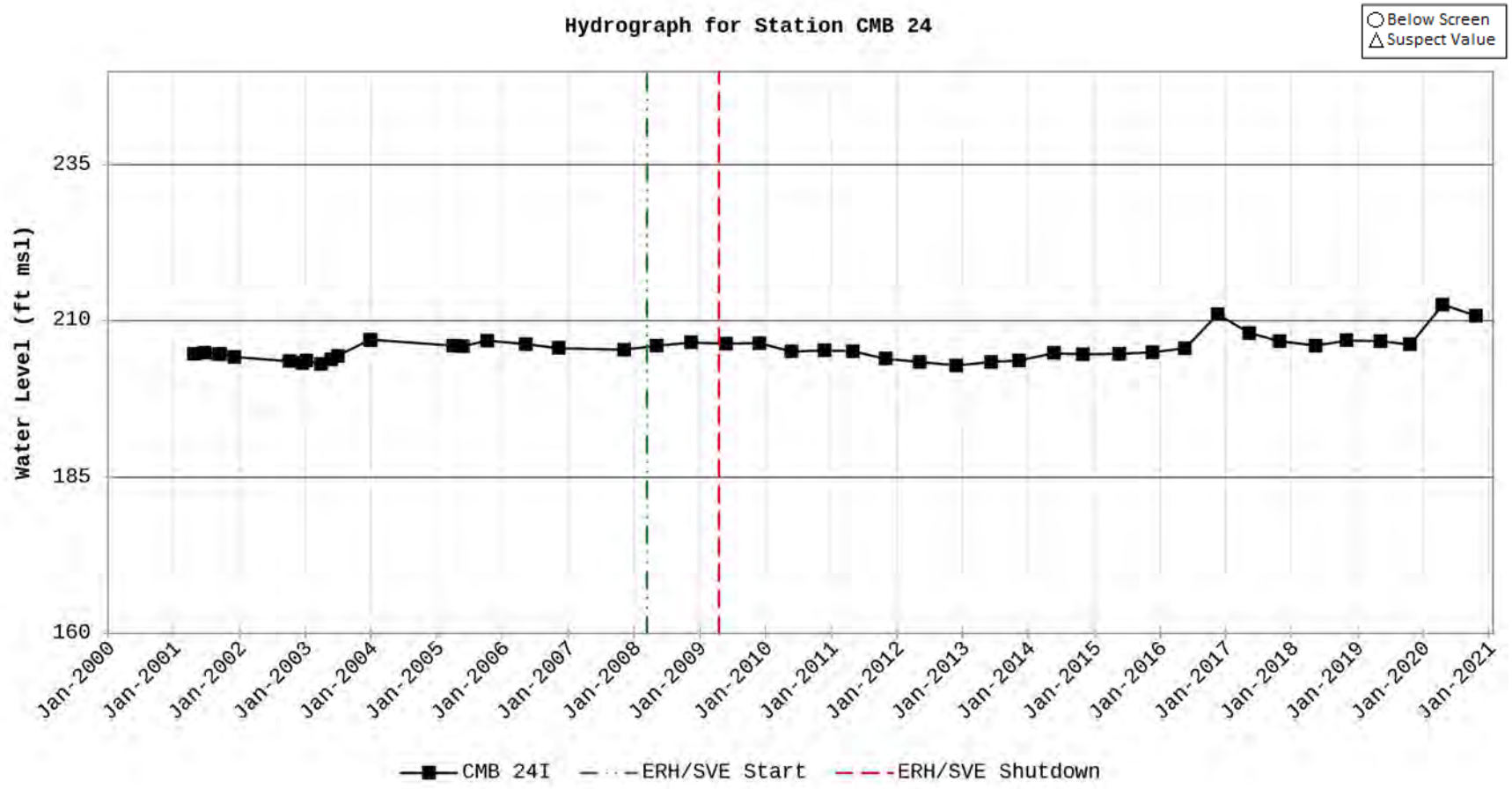
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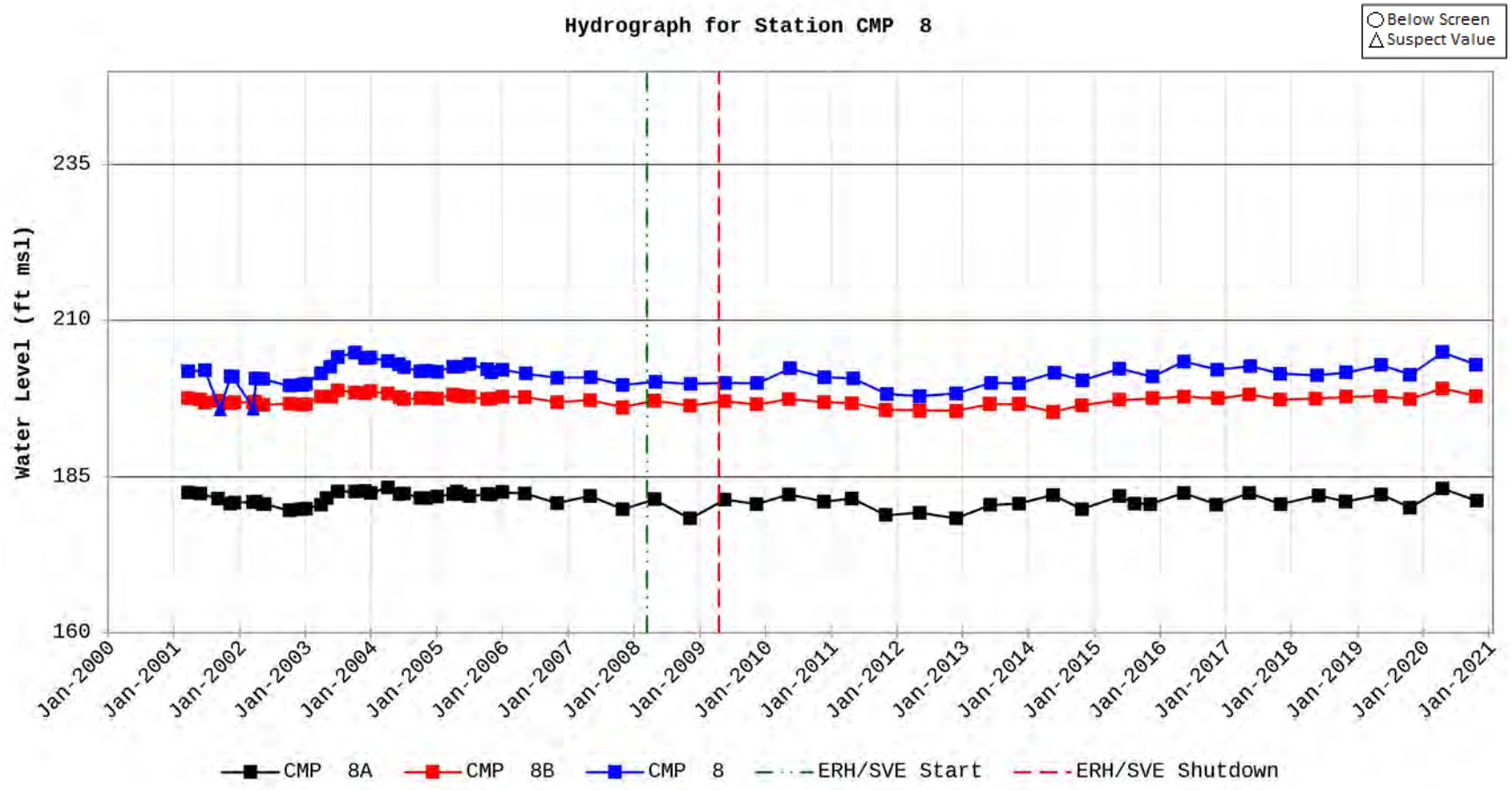
Appendix A

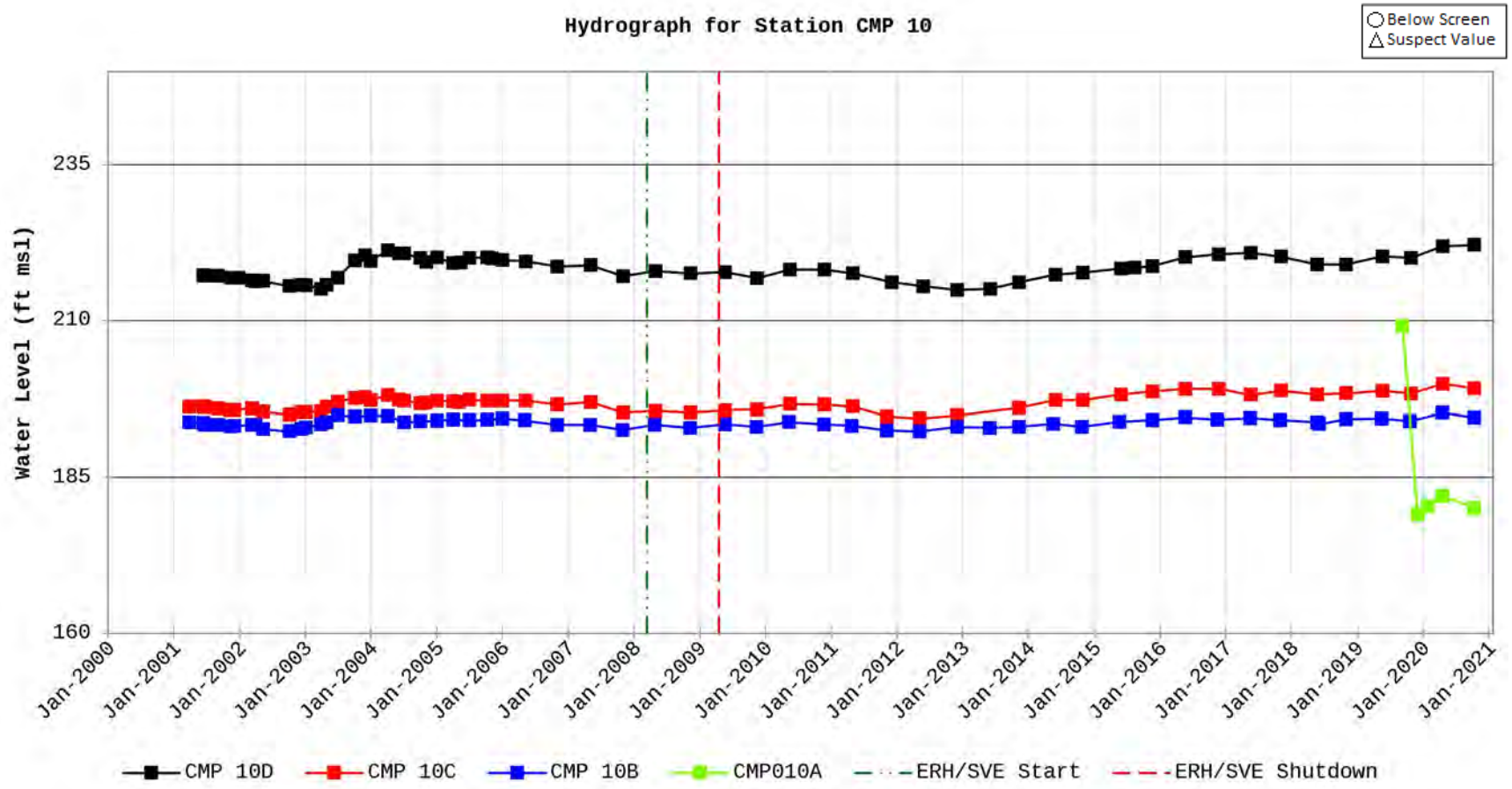
Hydrographs

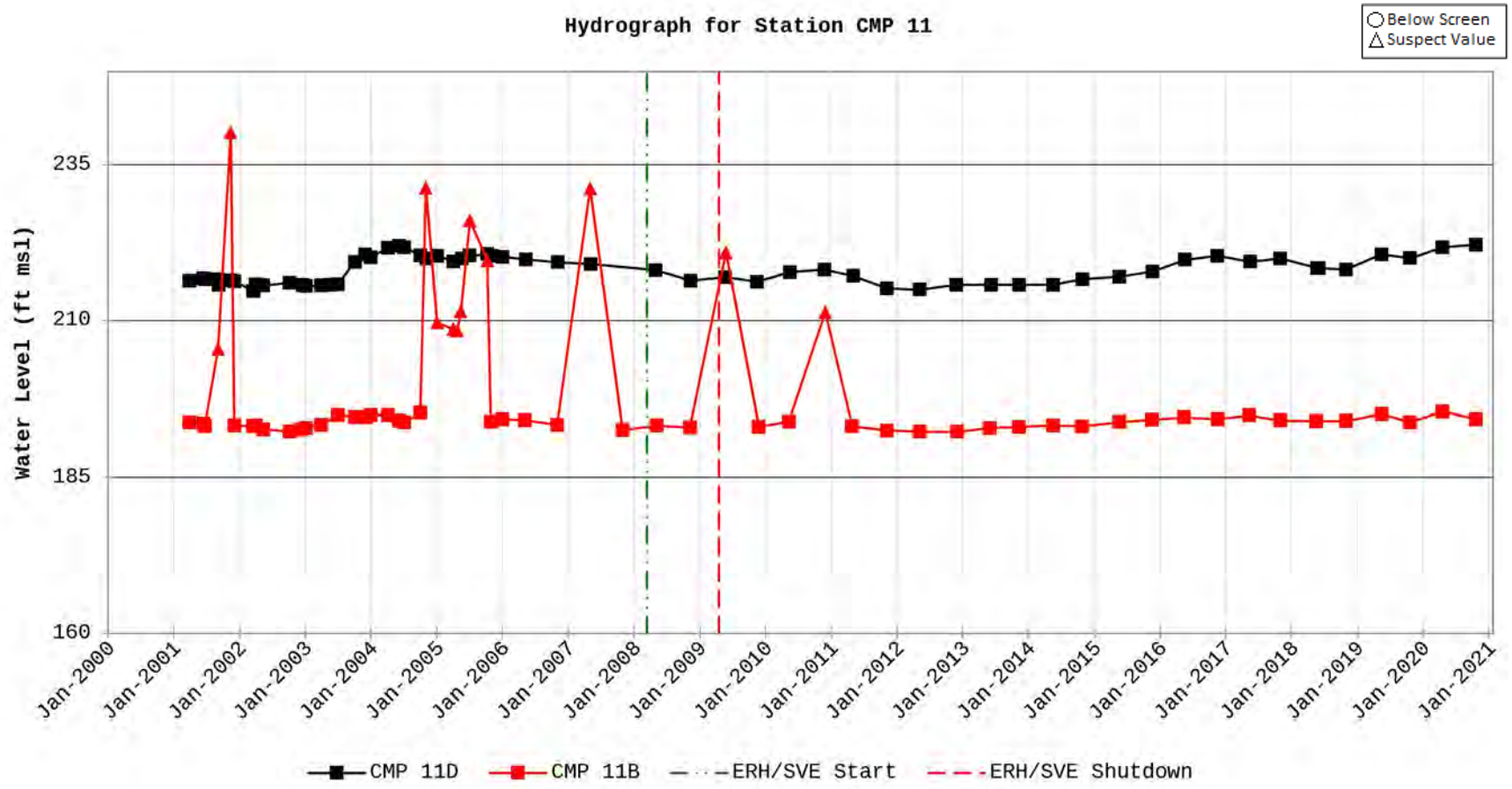
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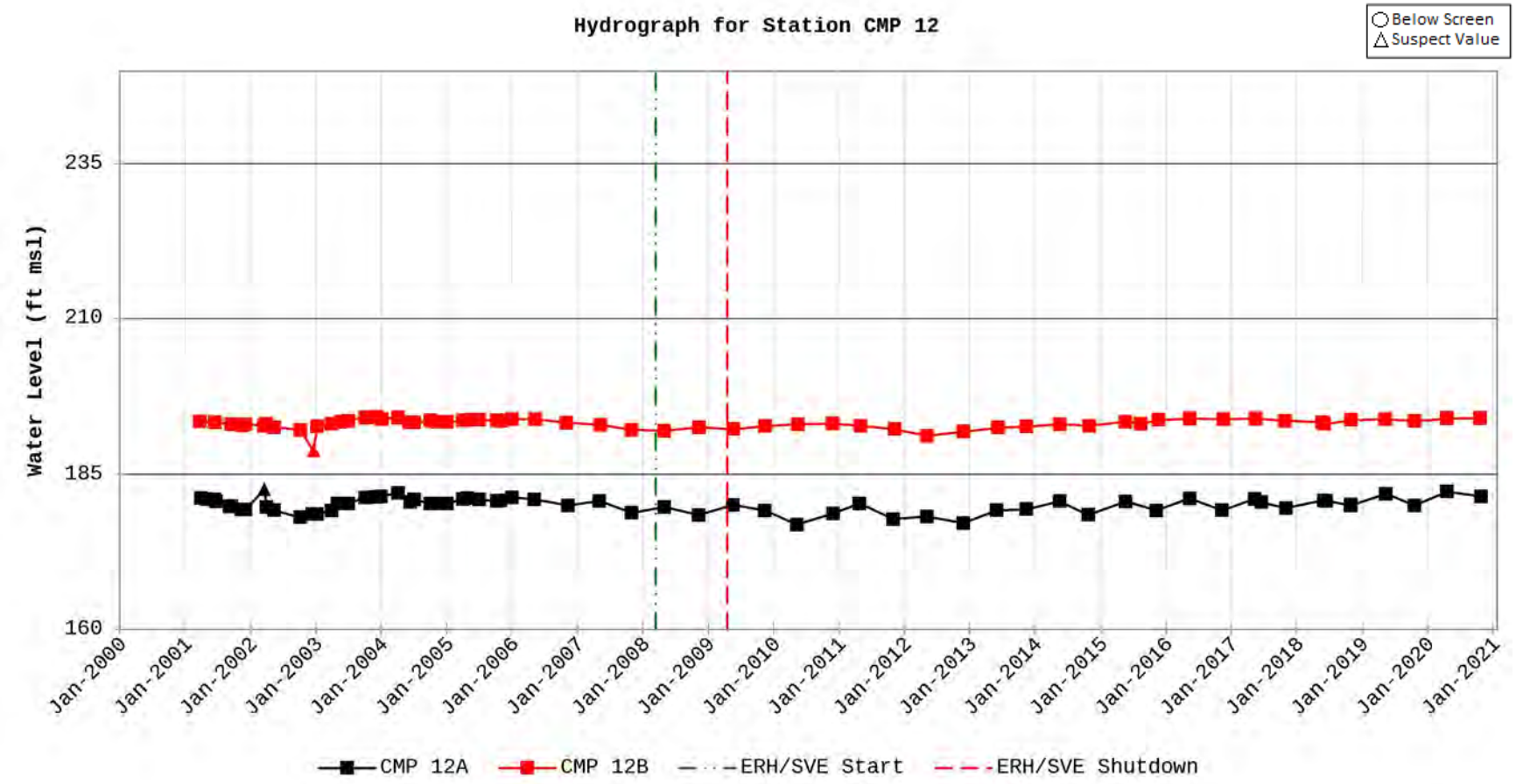

Hydrograph for Station CMB 15
Below Screen
Suspect Value
Water Level (ft msl)
235
210
185
160
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMB 15I
ERH/SVE Start
ERH/SVE Shutdown

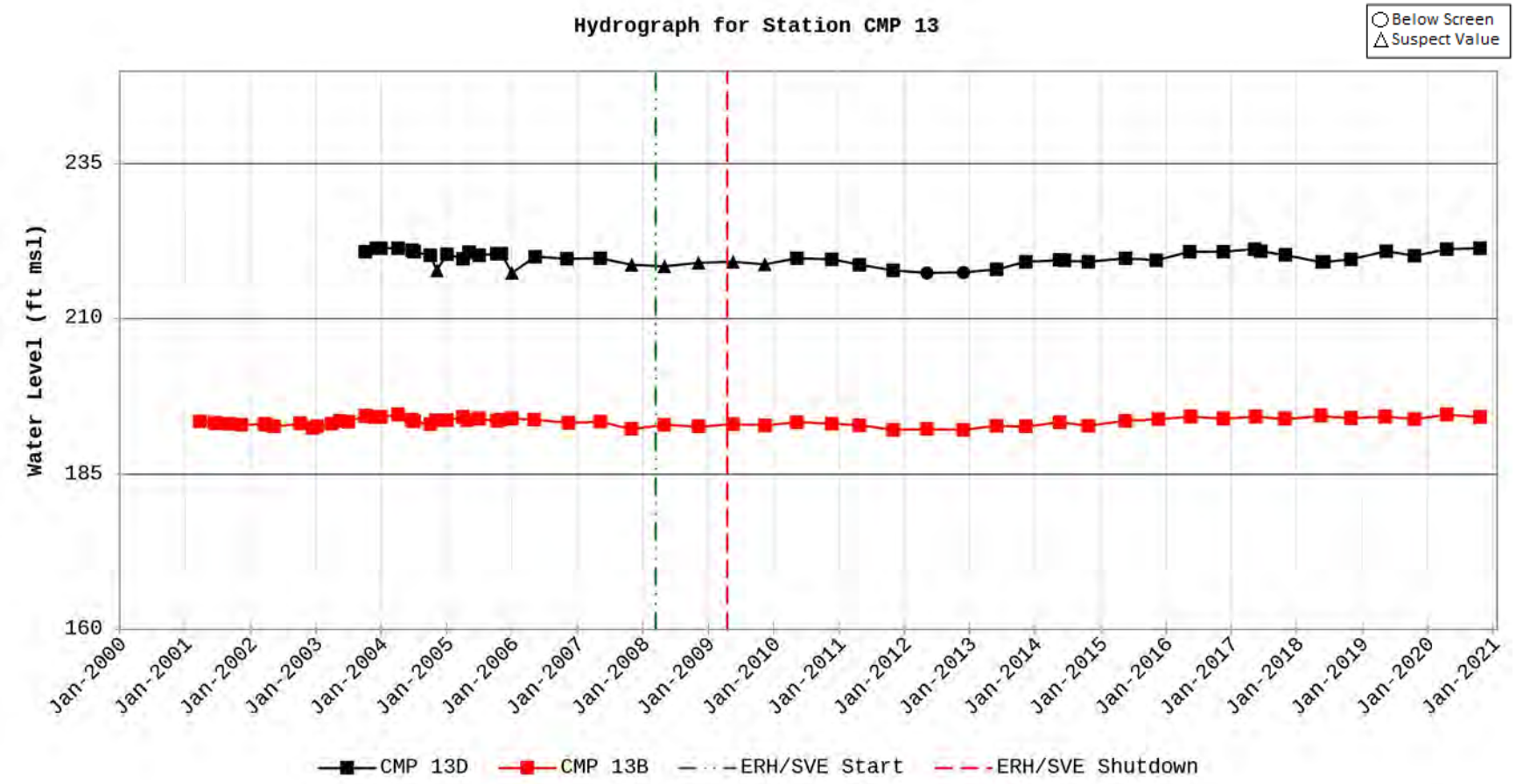

Hydrograph for Station CMB 24
Below Screen
Suspect Value
Water Level (ft msl)
235
210
185
160
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
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Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMB 24I
ERH/SVE Start
ERH/SVE Shutdown

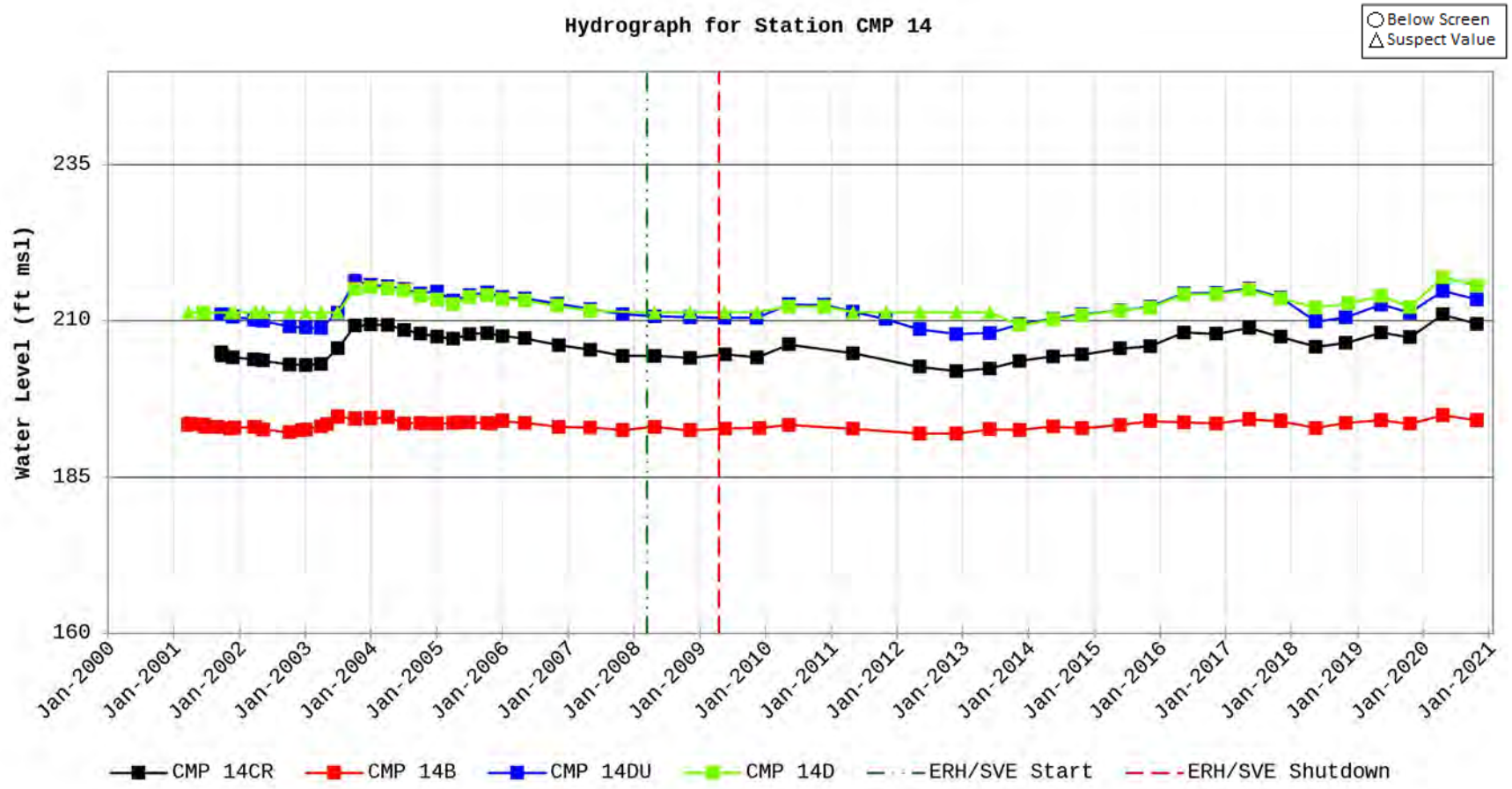

Hydrograph for Station CMP 8
Below Screen
Suspect Value
Water Level (ft msl)
235
210
185
160
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
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Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 8A
CMP 8B
CMP 8
ERH/SVE Start
ERH/SVE Shutdown

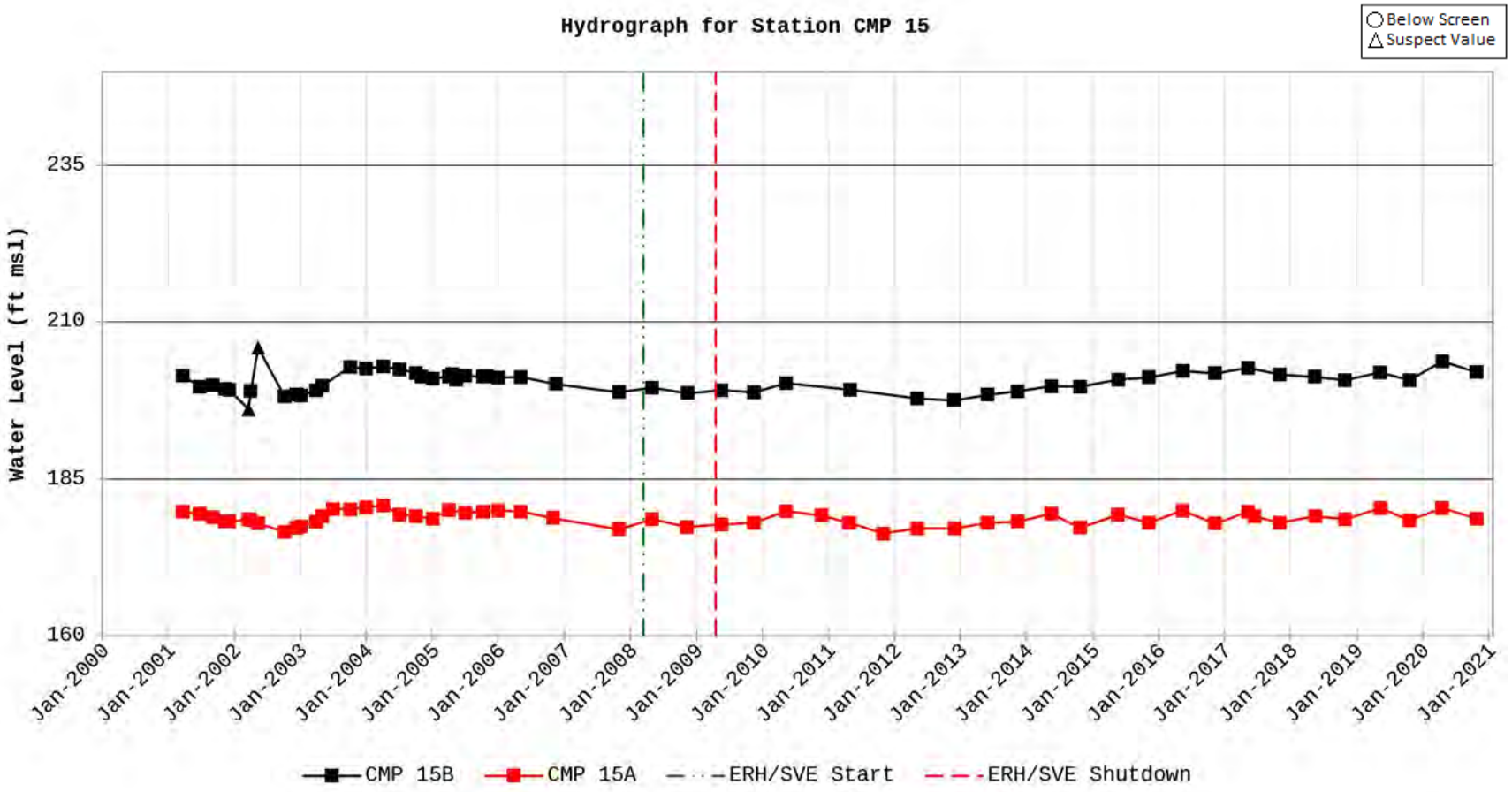

Hydrograph for Station CMP 10
Below Screen
Suspect Value
Water Level (ft msl)
235
210
185
160
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
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Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 10D
CMP 10C
CMP 10B
CMP010A
ERH/SVE Start
ERH/SVE Shutdown

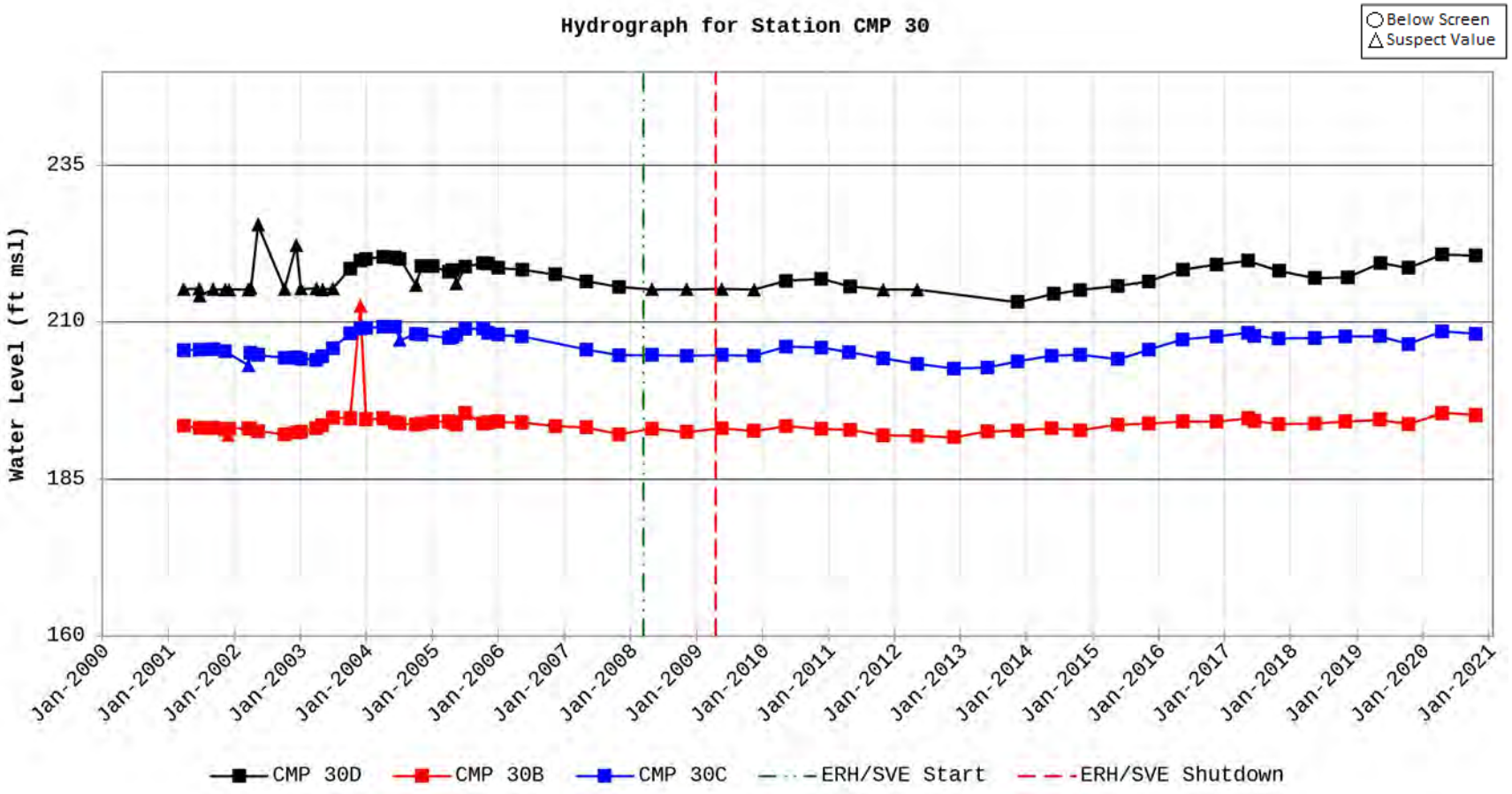

Hydrograph for Station CMP 11
Below Screen
Suspect Value
Water Level (ft msl)
235
210
185
160
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 11D
CMP 11B
ERH/SVE Start
ERH/SVE Shutdown

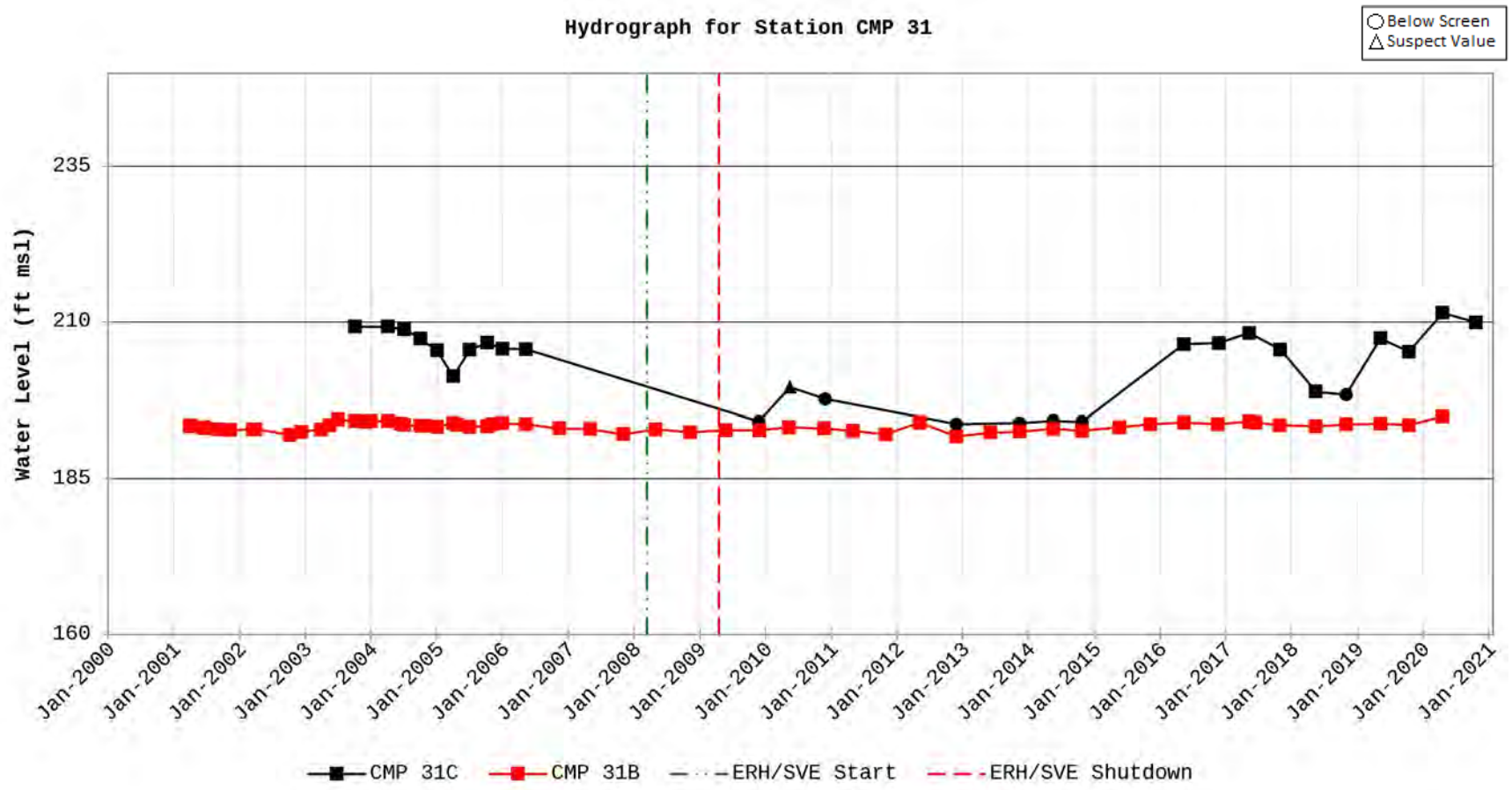

Hydrograph for Station CMP 12
Below Screen
Suspect Value
Water Level (ft msl)
235
210
185
160
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 12A
CMP 12B
ERH/SVE Start
ERH/SVE Shutdown

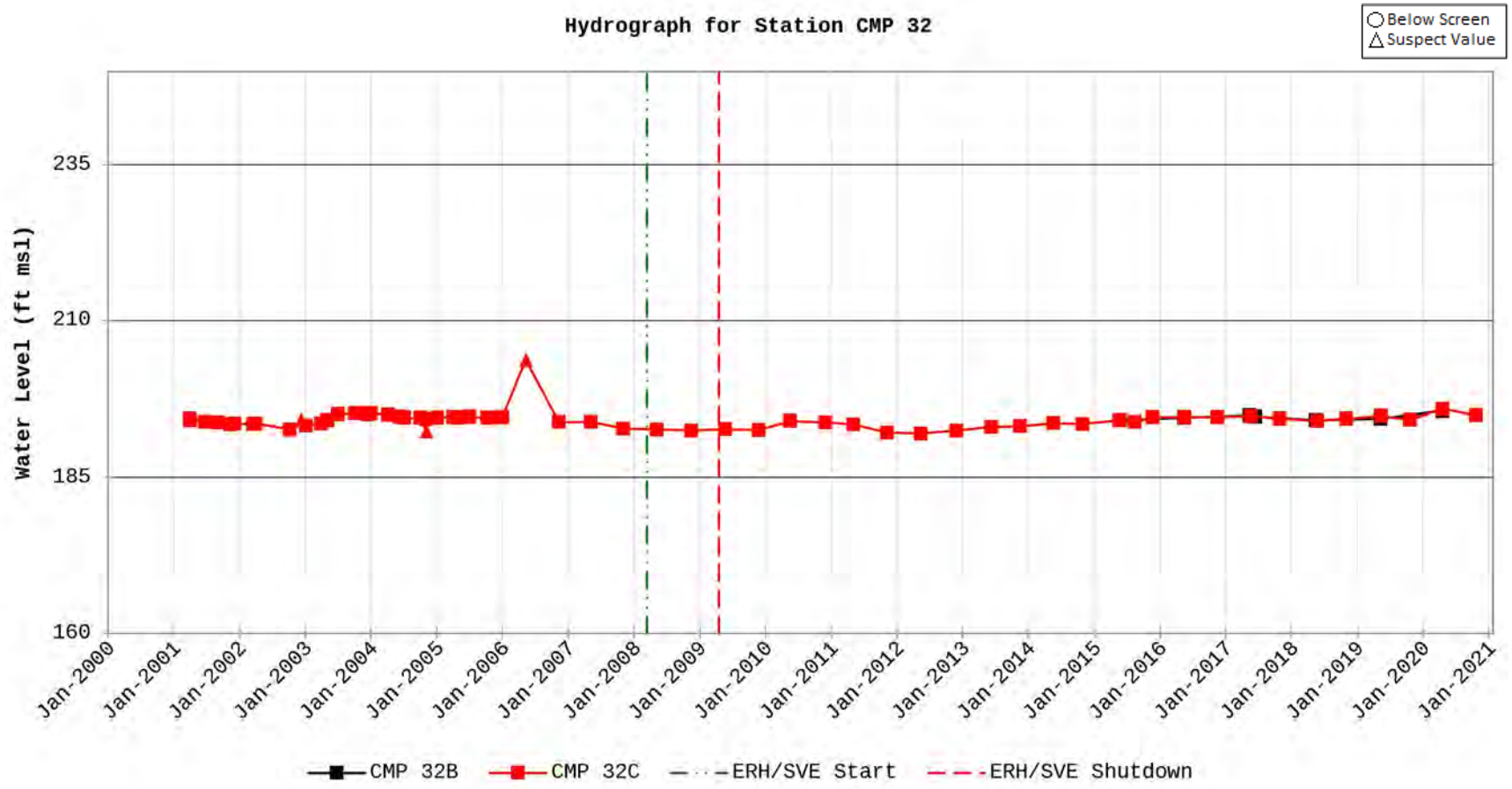

Hydrograph for Station CMP 13
Below Screen
Suspect Value
Water Level (ft msl)
235
210
185
160
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
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Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
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Jan-2015
Jan-2016
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Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 13D
CMP 13B
ERH/SVE Start
ERH/SVE Shutdown

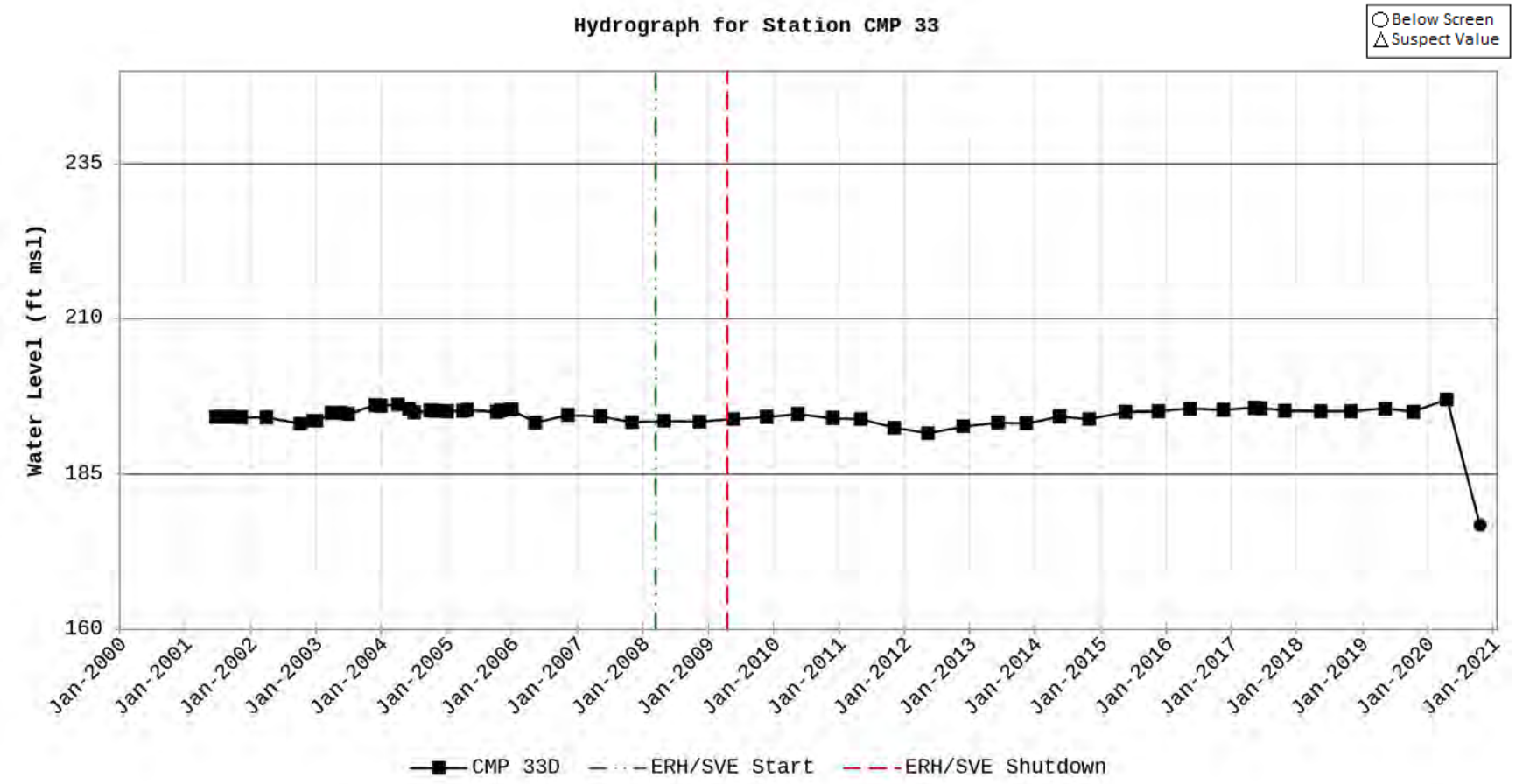

Hydrograph for Station CMP 14
Below Screen
Suspect Value
Water Level (ft msl)
235
210
185
160
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
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Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 14CR
CMP 14B
CMP 14DU
CMP 14D
ERH/SVE Start
ERH/SVE Shutdown

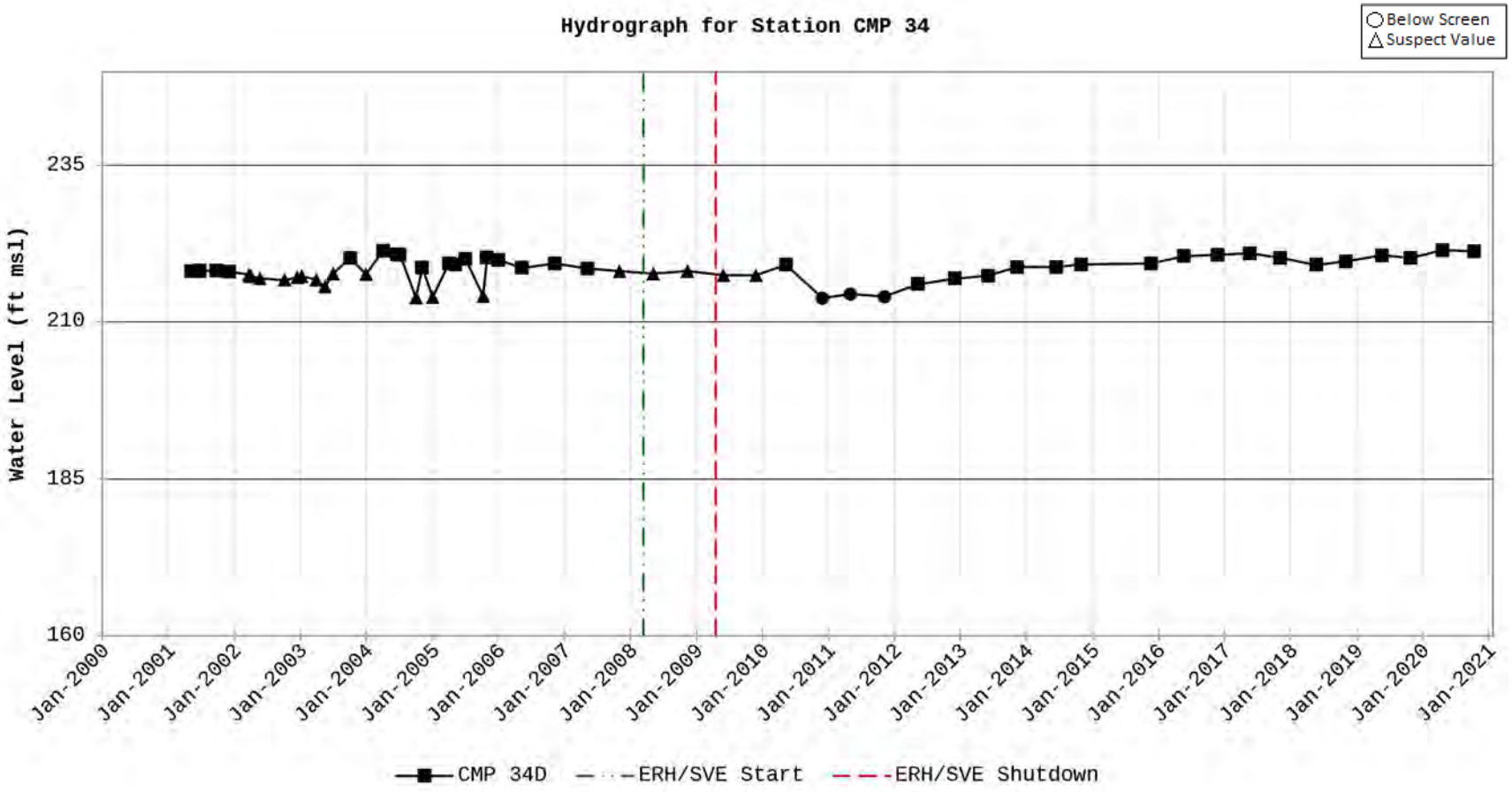

Hydrograph for Station CMP 15
Below Screen
Suspect Value
Water Level (ft msl)
235
210
185
160
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
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Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 15B
CMP 15A
ERH/SVE Start
ERH/SVE Shutdown

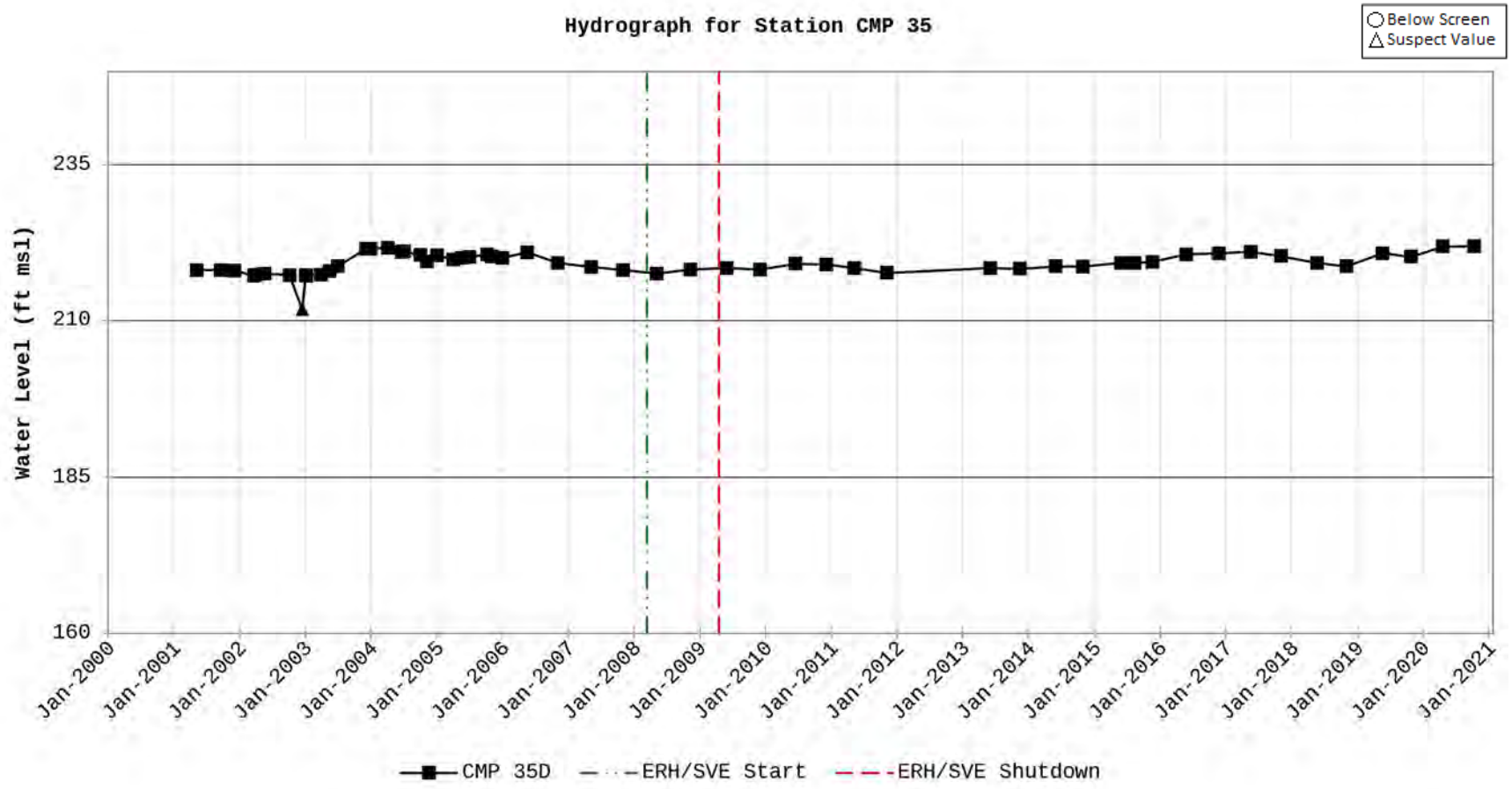

Hydrograph for Station CMP 30
Below Screen
Suspect Value
Water Level (ft msl)
235
210
185
160
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 30D
CMP 30B
CMP 30C
ERH/SVE Start
ERH/SVE Shutdown

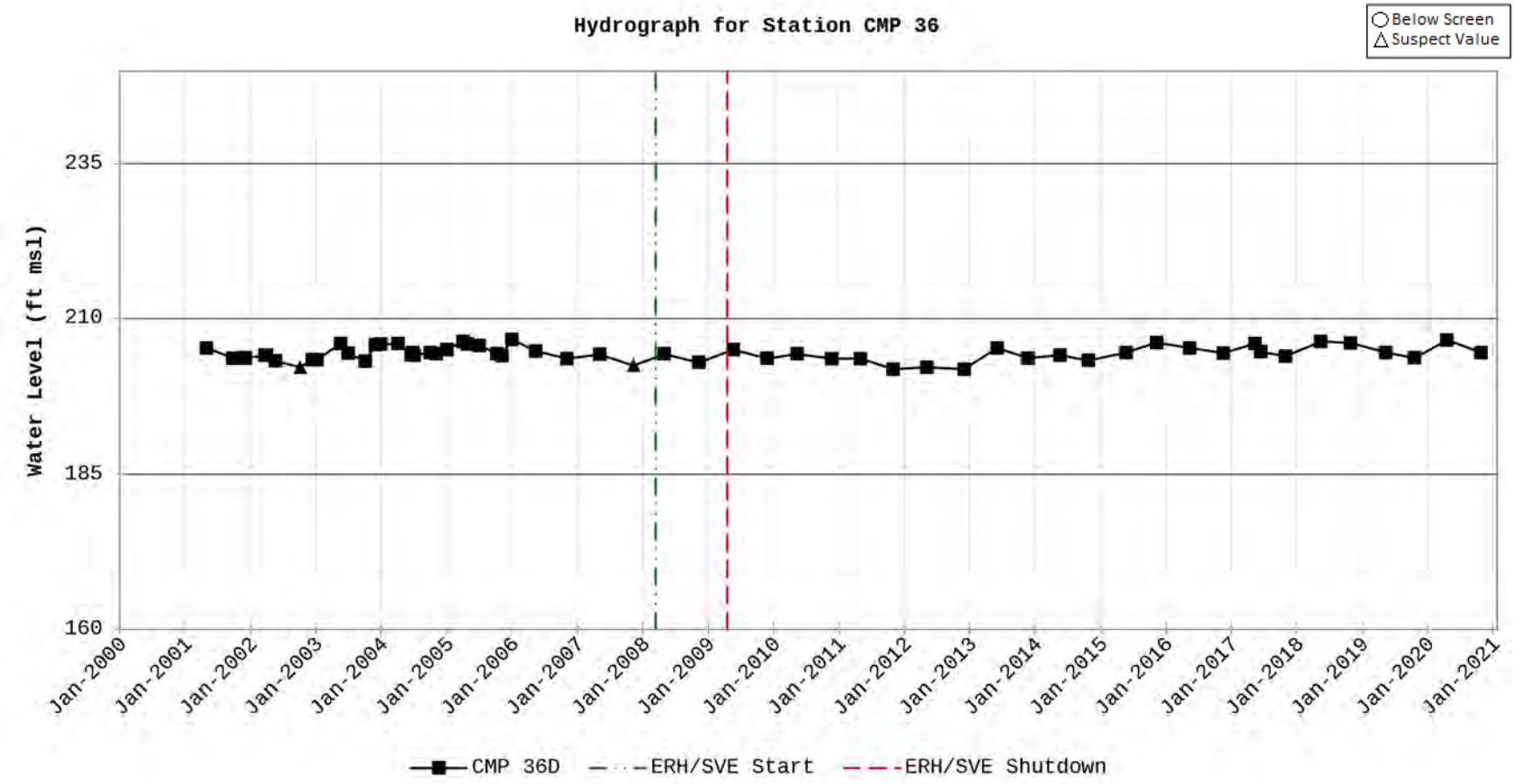

Hydrograph for Station CMP 31
Below Screen
Suspect Value
Water Level (ft msl)
235
210
185
160
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 31C
CMP 31B
ERH/SVE Start
ERH/SVE Shutdown

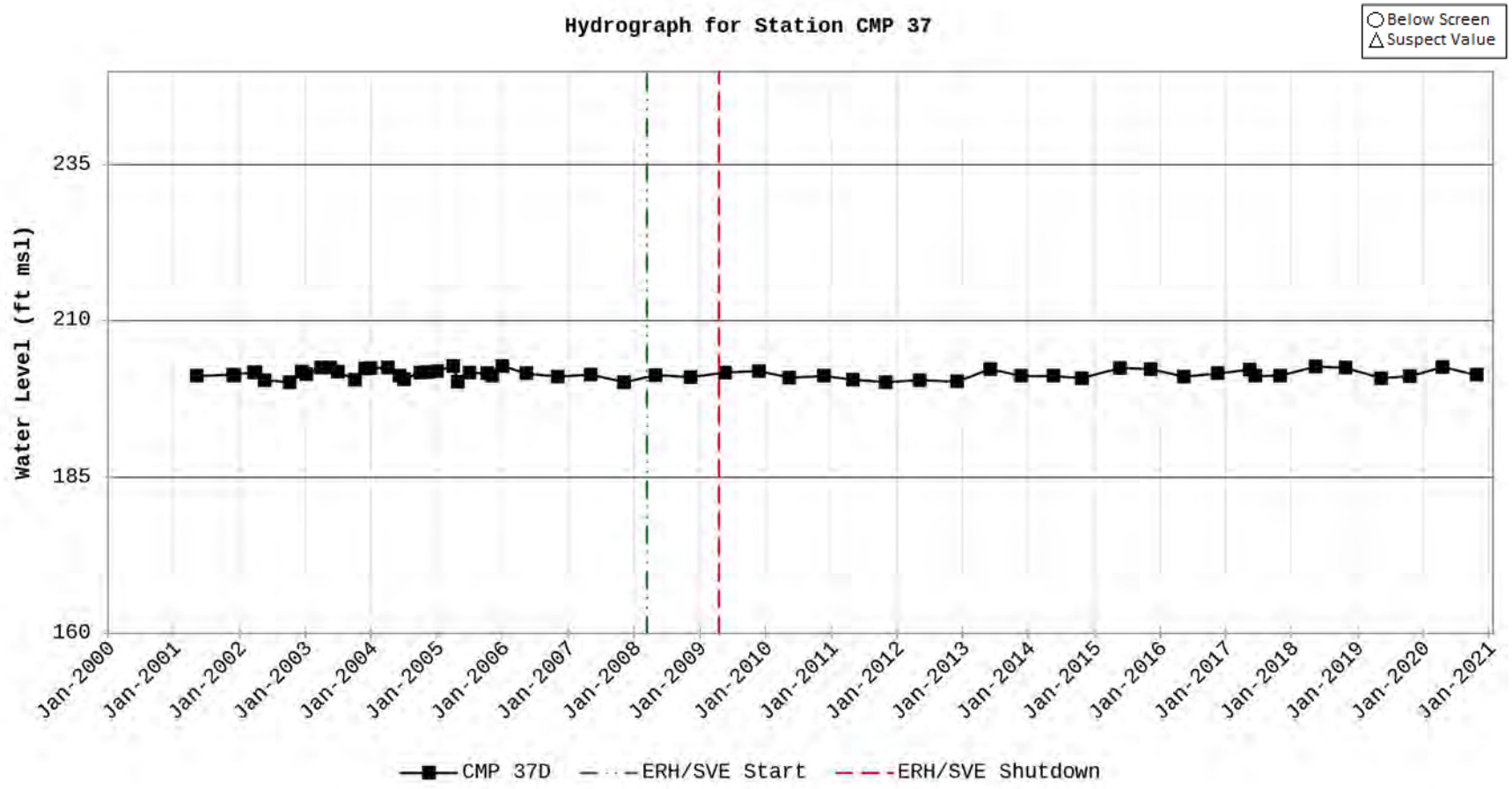

Hydrograph for Station CMP 32
Below Screen
Suspect Value
Water Level (ft msl)
235
210
185
160
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 32B
CMP 32C
ERH/SVE Start
ERH/SVE Shutdown

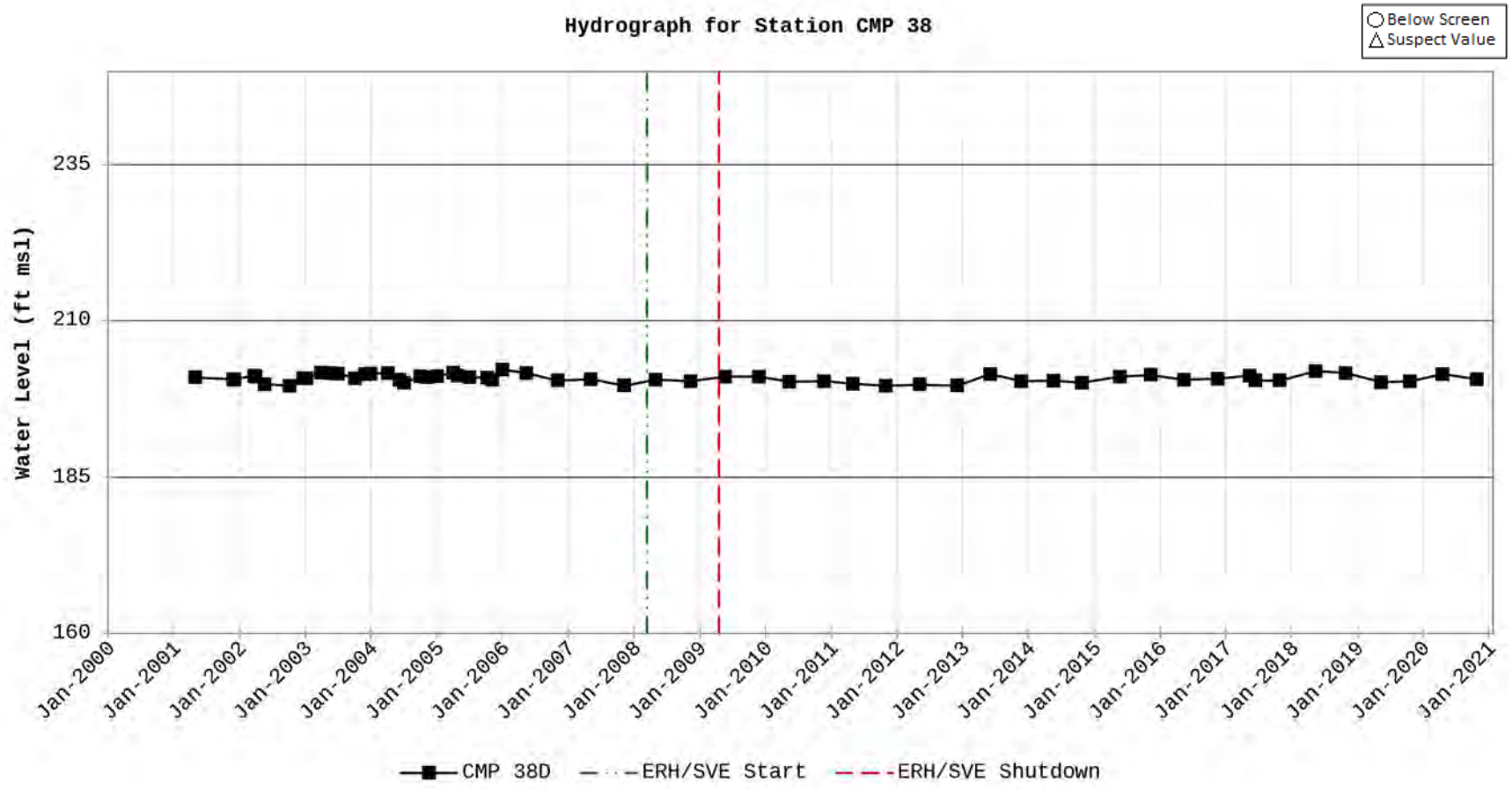

Hydrograph for Station CMP 33
Below Screen
Suspect Value
Water Level (ft msl)
235
210
185
160
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
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Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 33D
ERH/SVE Start
ERH/SVE Shutdown

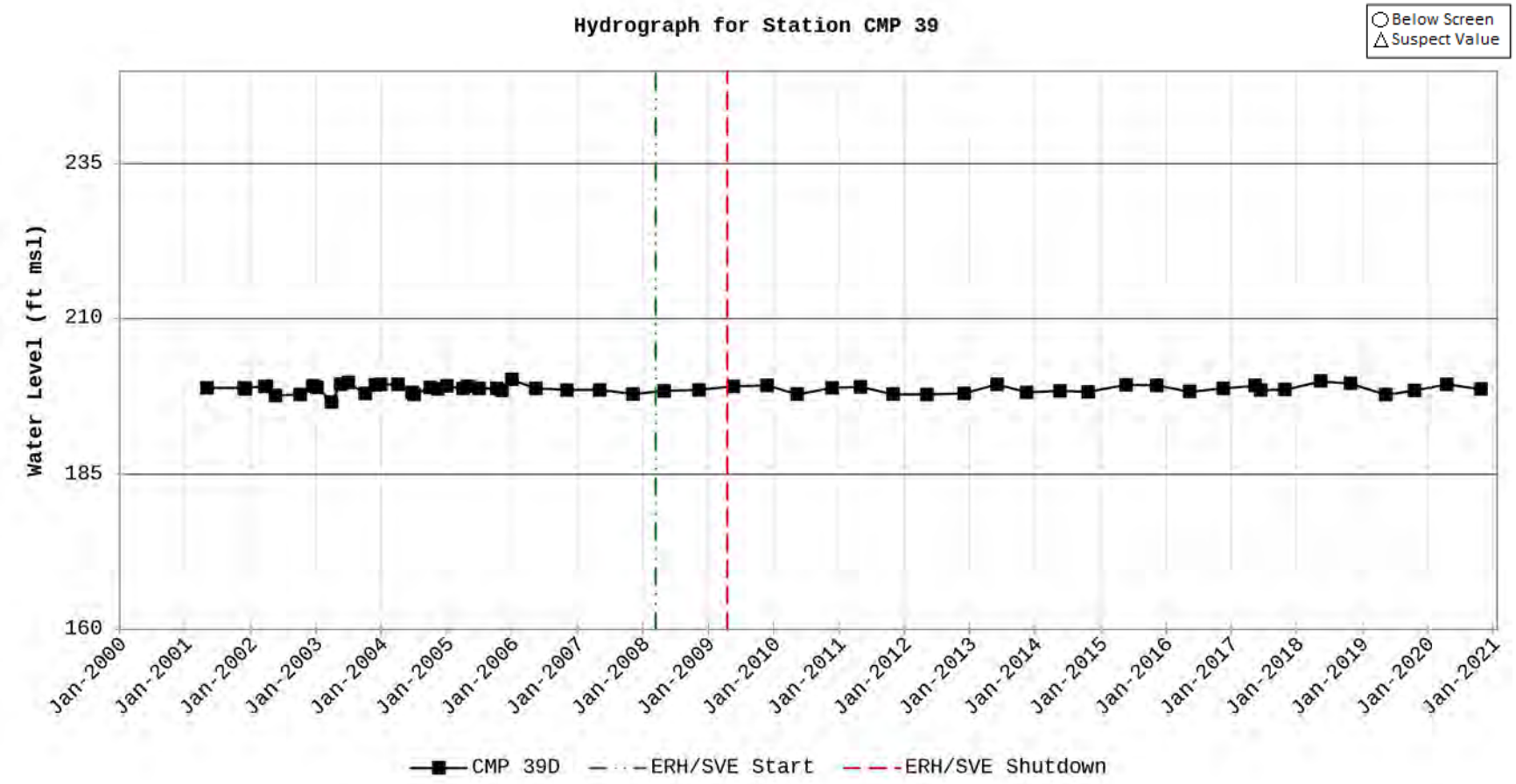

Hydrograph for Station CMP 34
Below Screen
Suspect Value
Water Level (ft msl)
235
210
185
160
Jan-2000
Jan-2001
Jan-2002
Jan-2003
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Jan-2005
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Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
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Jan-2019
Jan-2020
Jan-2021
CMP 34D
ERH/SVE Start
ERH/SVE Shutdown

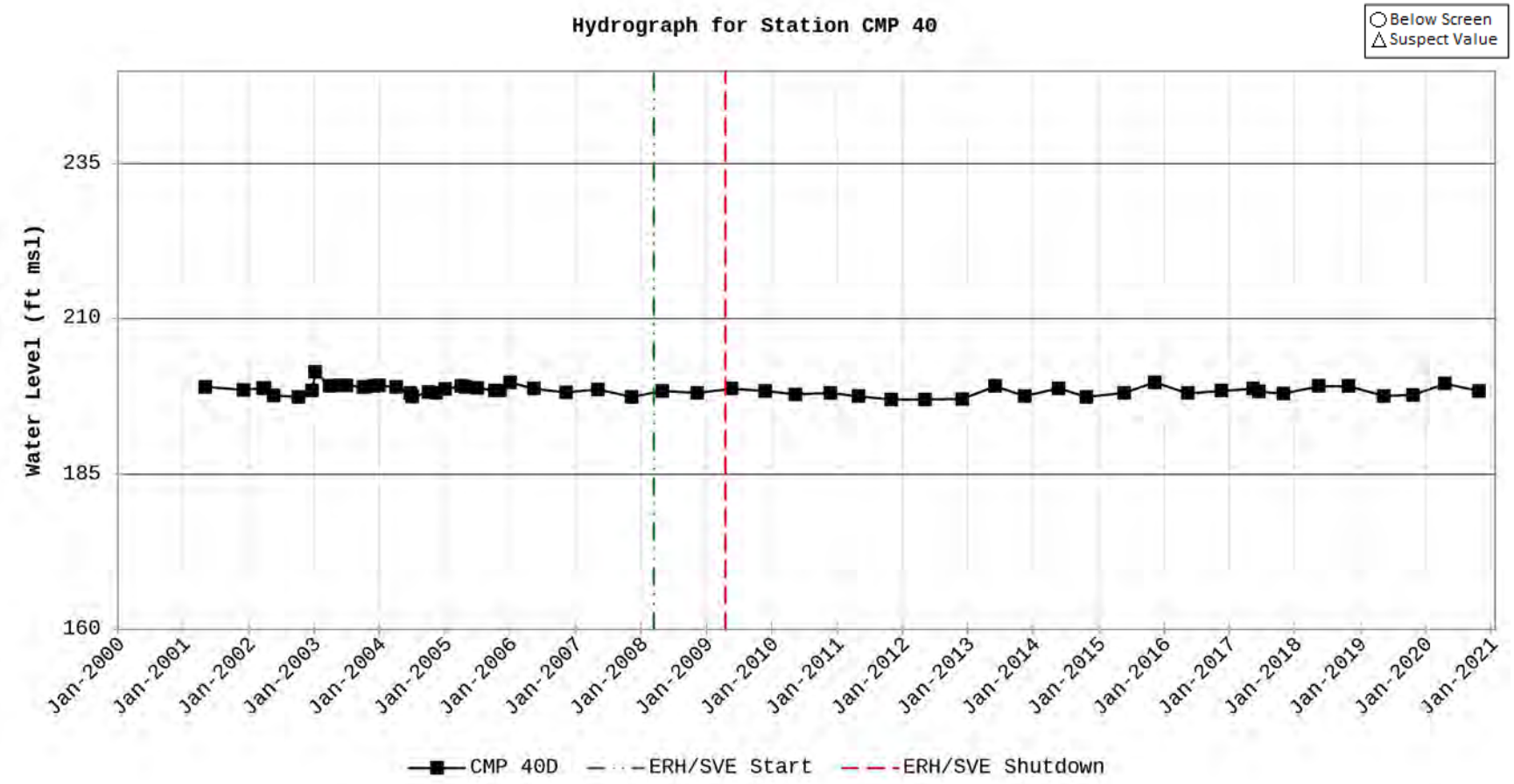

Hydrograph for Station CMP 35
Below Screen
Suspect Value
Water Level (ft msl)
235
210
185
160
Jan-2000
Jan-2001
Jan-2002
Jan-2003
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Jan-2005
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Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
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Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 35D
ERH/SVE Start
ERH/SVE Shutdown

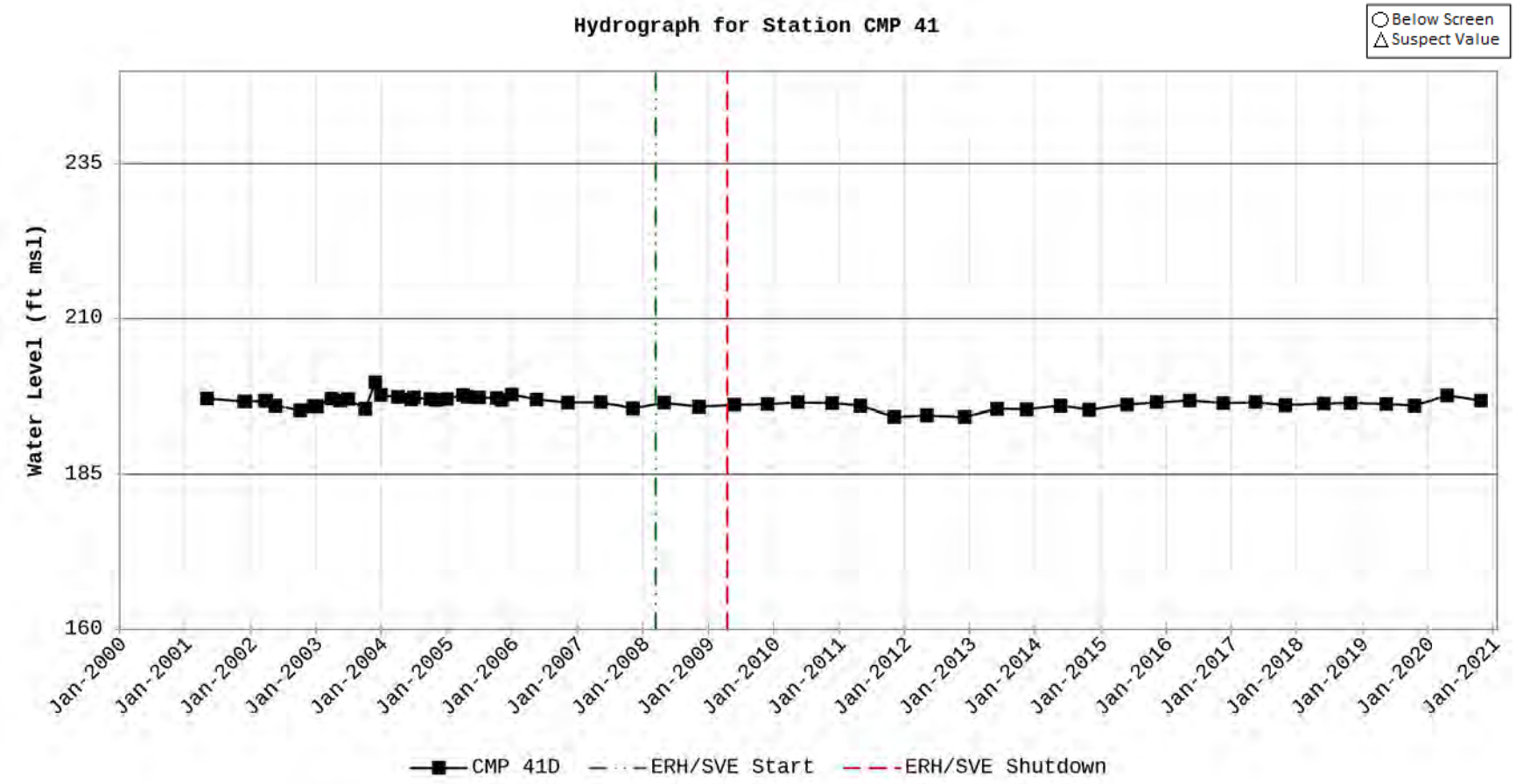

Hydrograph for Station CMP 36
Below Screen
Suspect Value
Water Level (ft msl)
235
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185
160
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 36D
ERH/SVE Start
ERH/SVE Shutdown

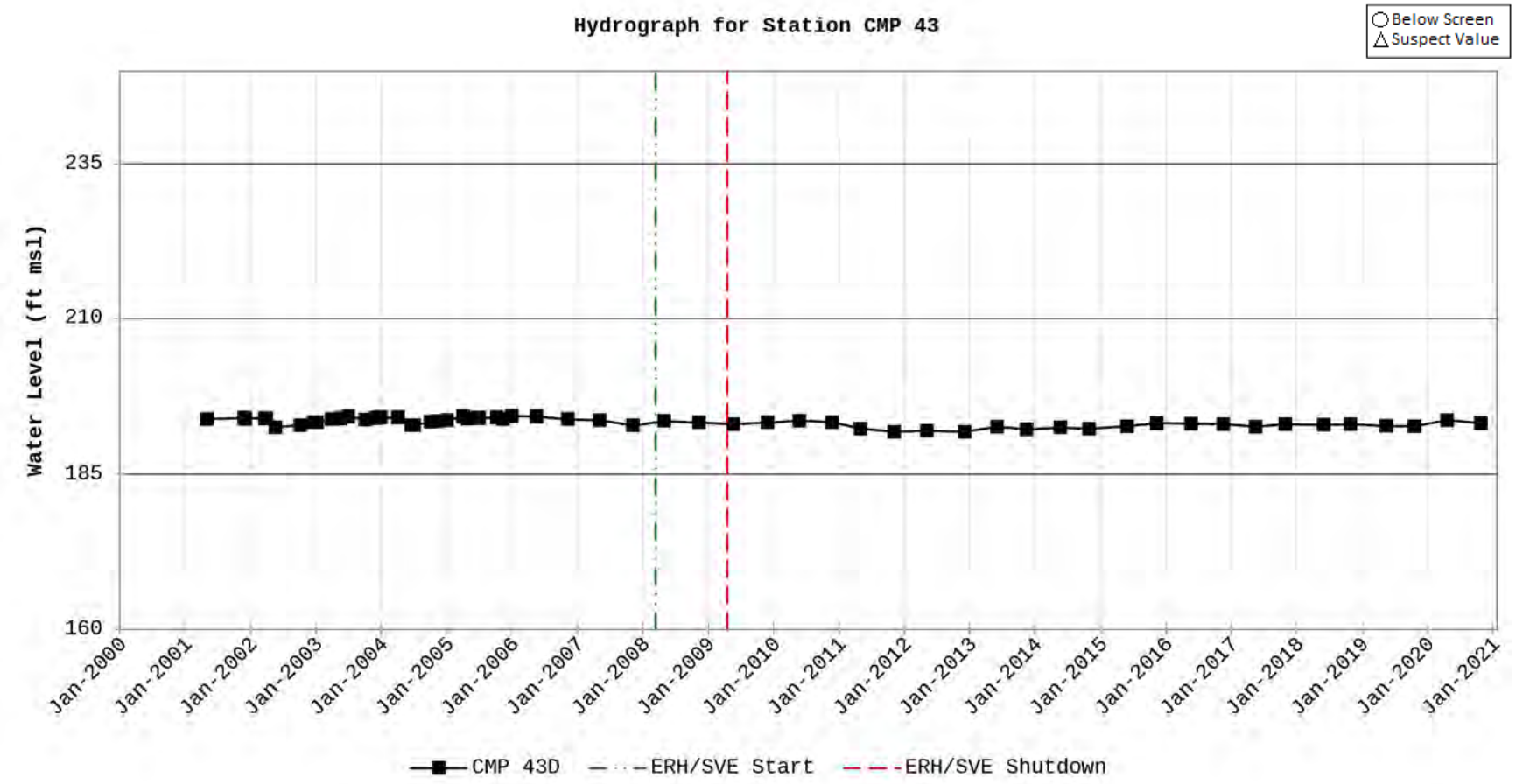

Hydrograph for Station CMP 37
Below Screen
Suspect Value
Water Level (ft msl)
235
210
185
160
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
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Jan-2007
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Jan-2009
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Jan-2011
Jan-2012
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Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 37D
ERH/SVE Start
ERH/SVE Shutdown

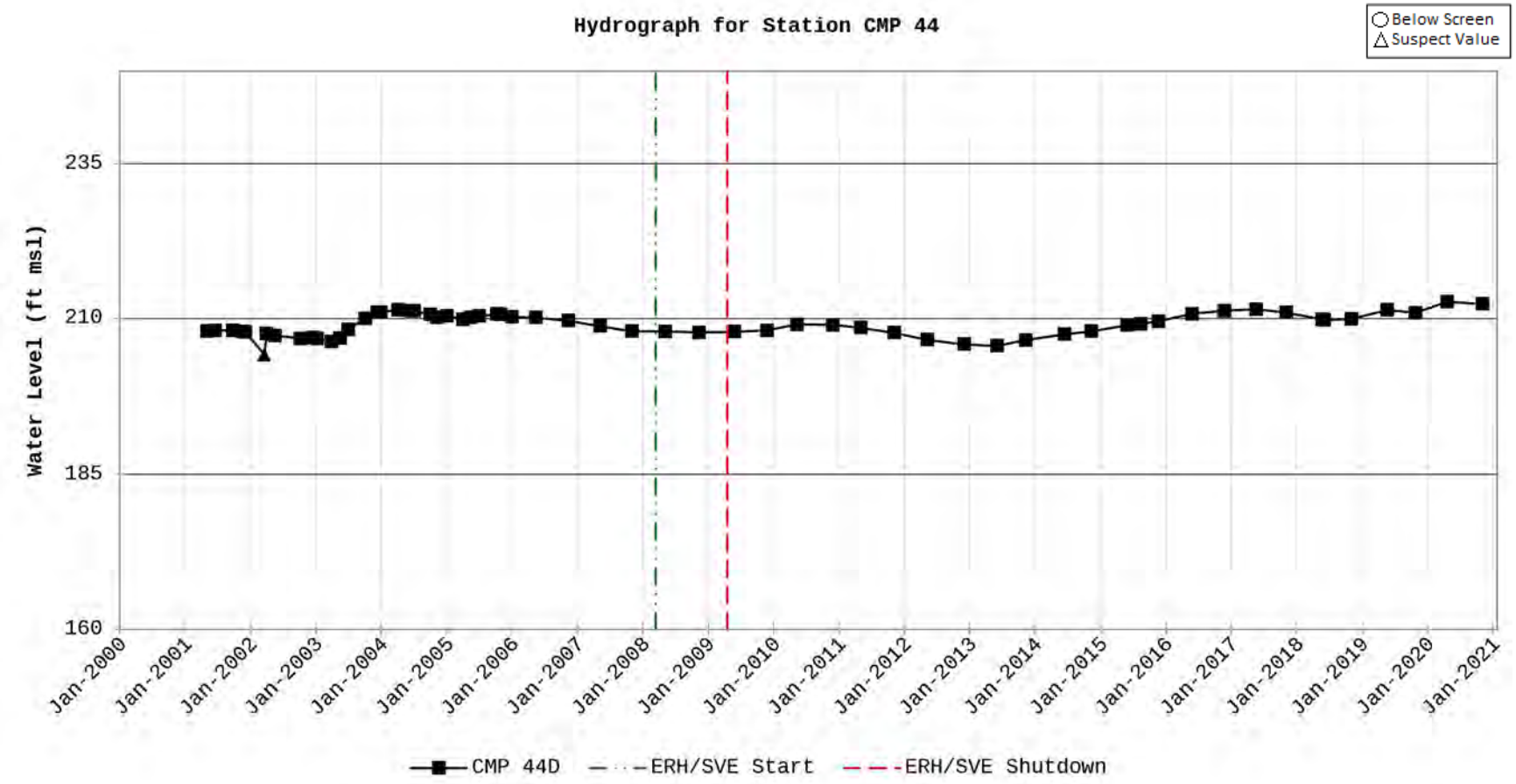

Hydrograph for Station CMP 38
Below Screen
Suspect Value
Water Level (ft msl)
235
210
185
160
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
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Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 38D
ERH/SVE Start
ERH/SVE Shutdown

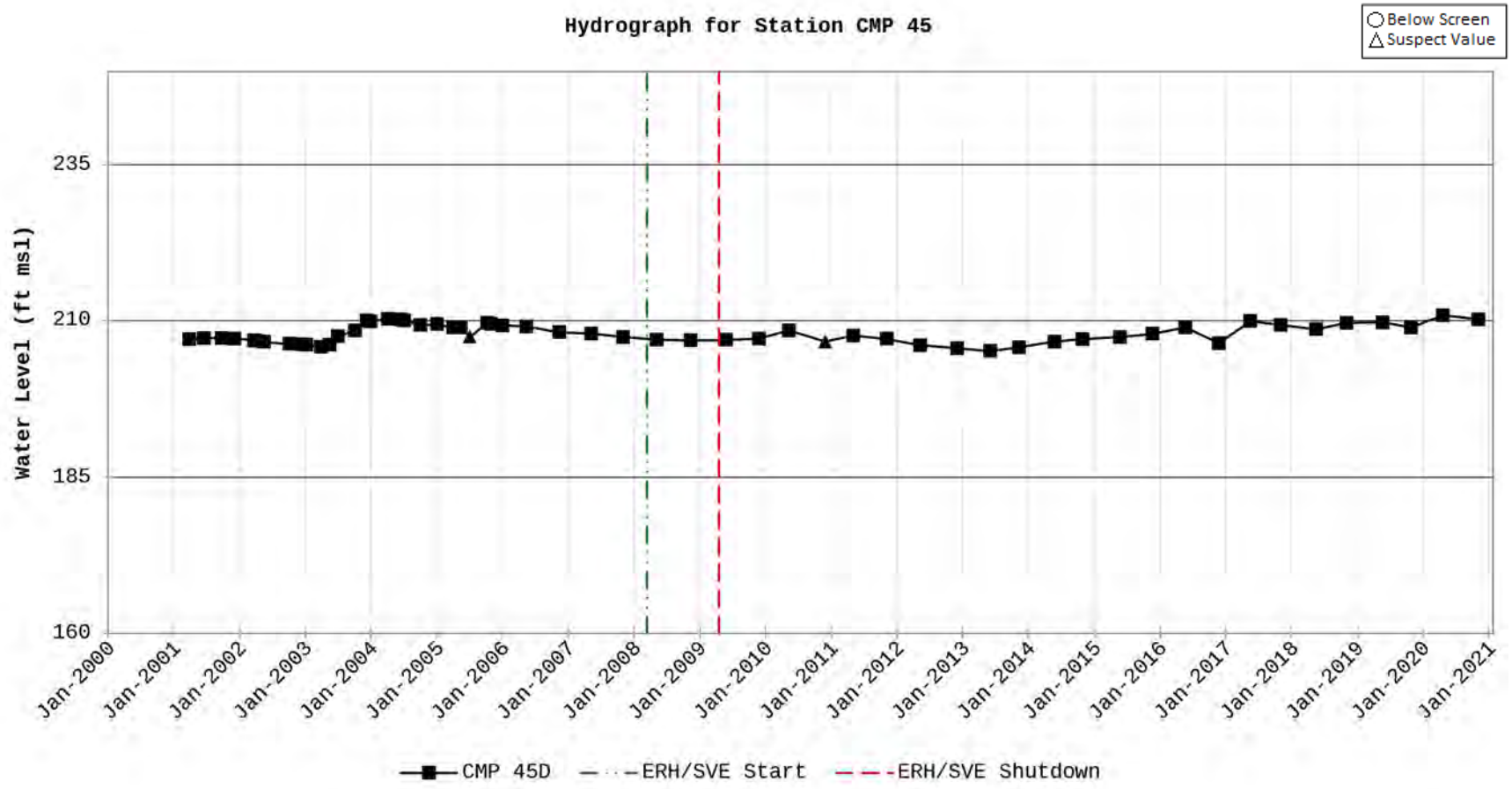

Hydrograph for Station CMP 39
Below Screen
Suspect Value
Water Level (ft msl)
235
210
185
160
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
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Jan-2008
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Jan-2011
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Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 39D
ERH/SVE Start
ERH/SVE Shutdown

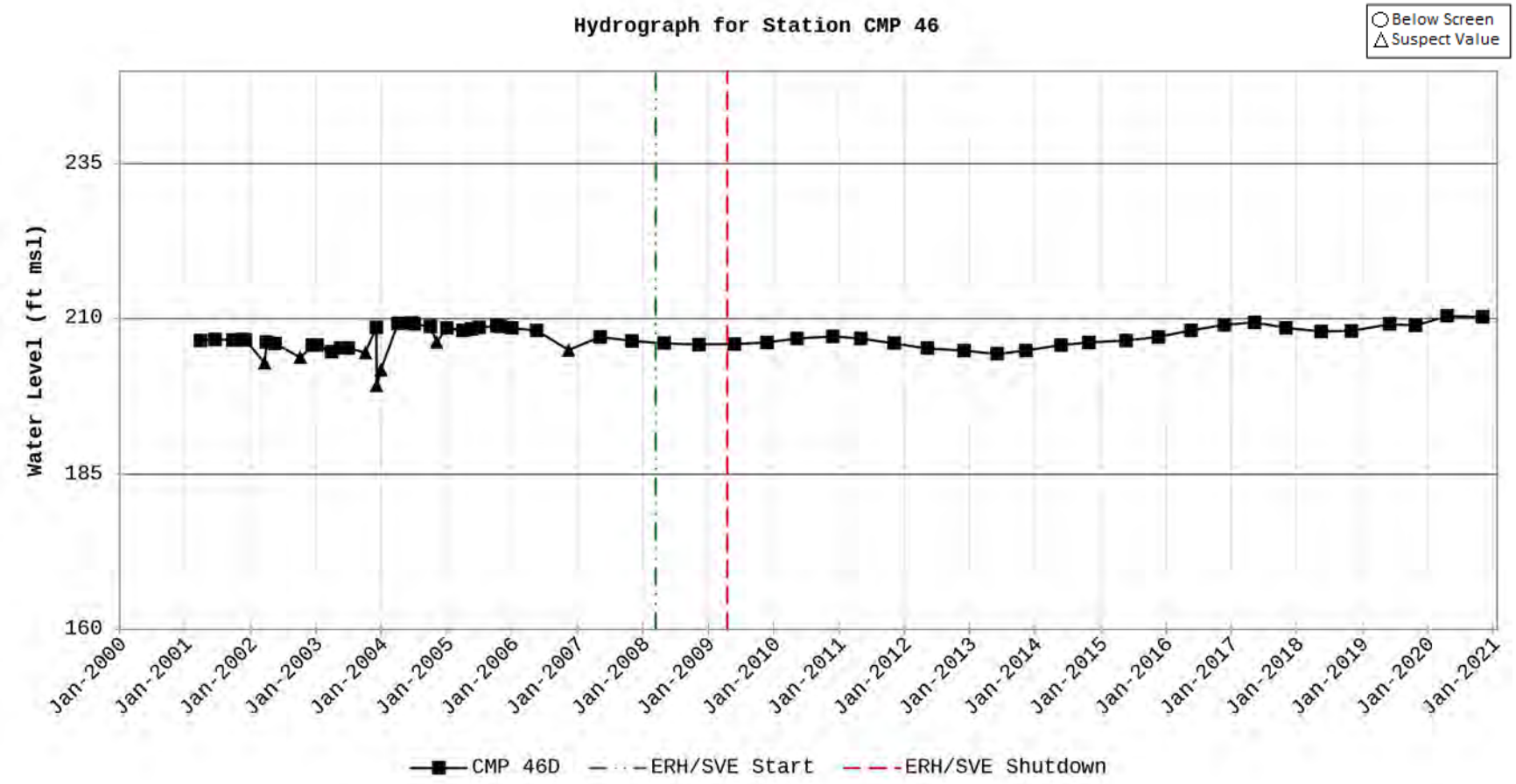

Hydrograph for Station CMP 40
Below Screen
Suspect Value
Water Level (ft msl)
235
210
185
160
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
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Jan-2011
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Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 40D
ERH/SVE Start
ERH/SVE Shutdown

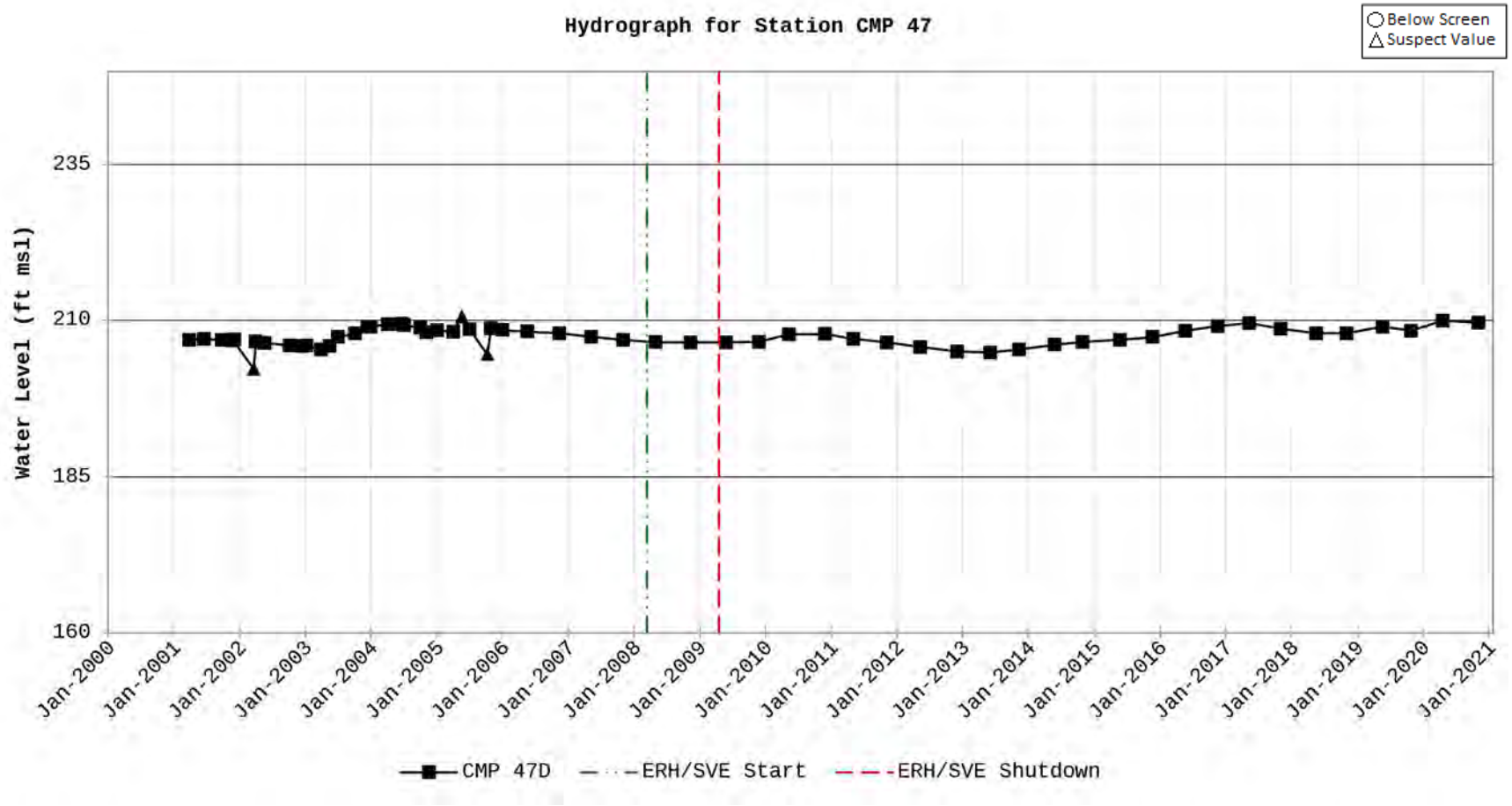

Hydrograph for Station CMP 41
Below Screen
Suspect Value
Water Level (ft msl)
235
210
185
160
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
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Jan-2007
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Jan-2011
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Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 41D
ERH/SVE Start
ERH/SVE Shutdown

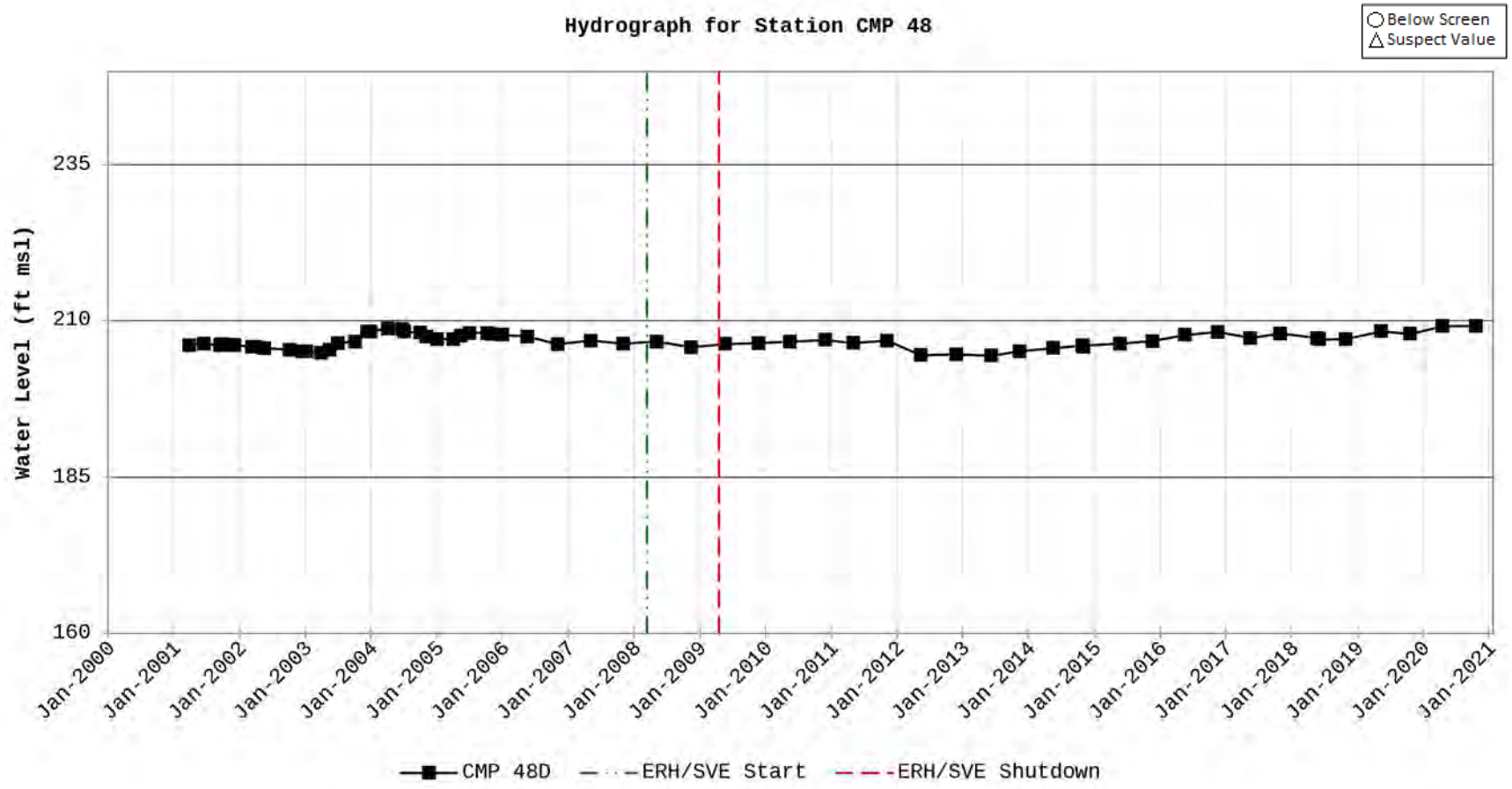

Hydrograph for Station CMP 43
Below Screen
Suspect Value
Water Level (ft msl)
235
210
185
160
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
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Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 43D
ERH/SVE Start
ERH/SVE Shutdown

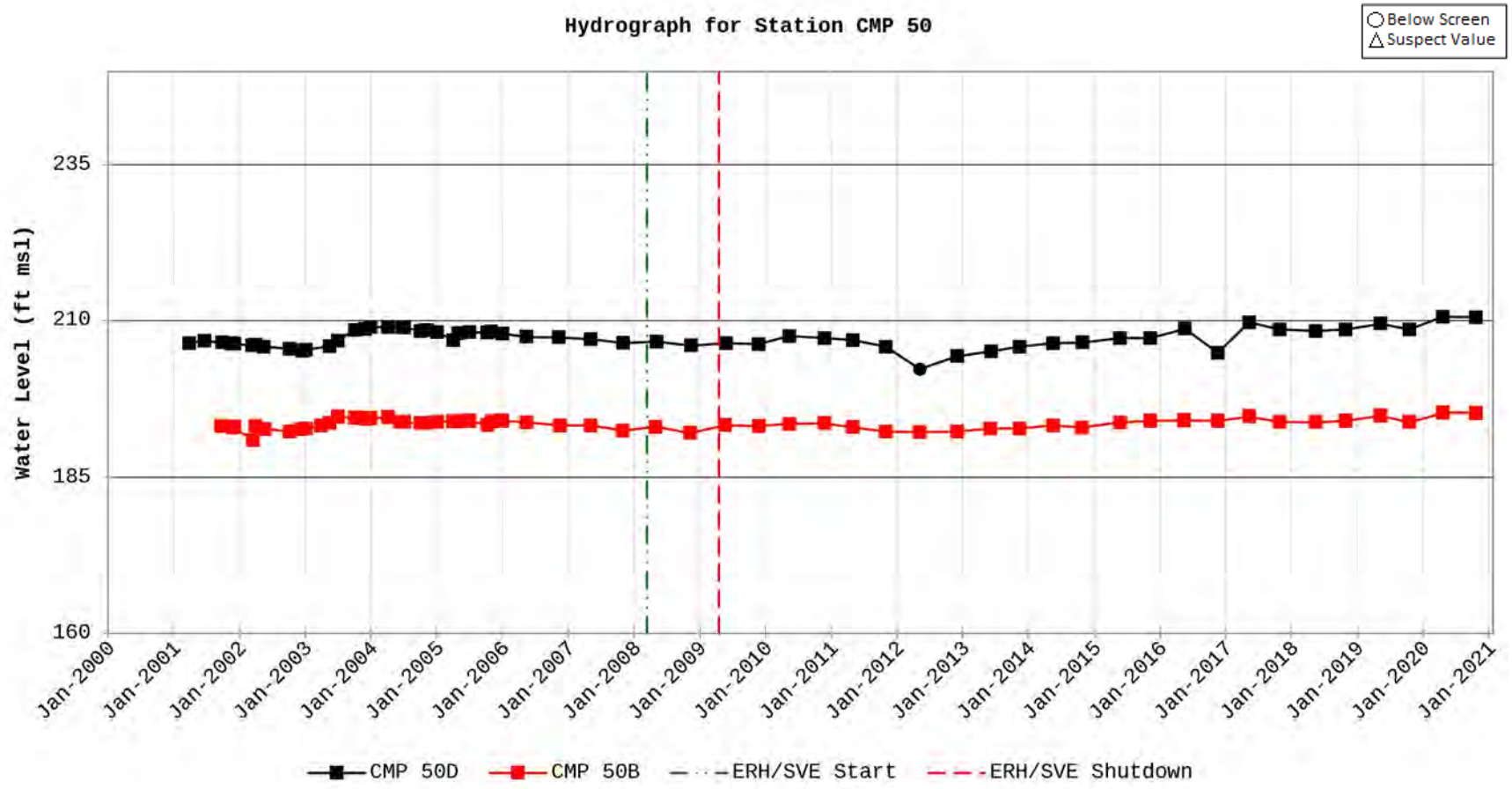

Hydrograph for Station CMP 44
Below Screen
Suspect Value
Water Level (ft msl)
235
210
185
160
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
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Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 44D
ERH/SVE Start
ERH/SVE Shutdown

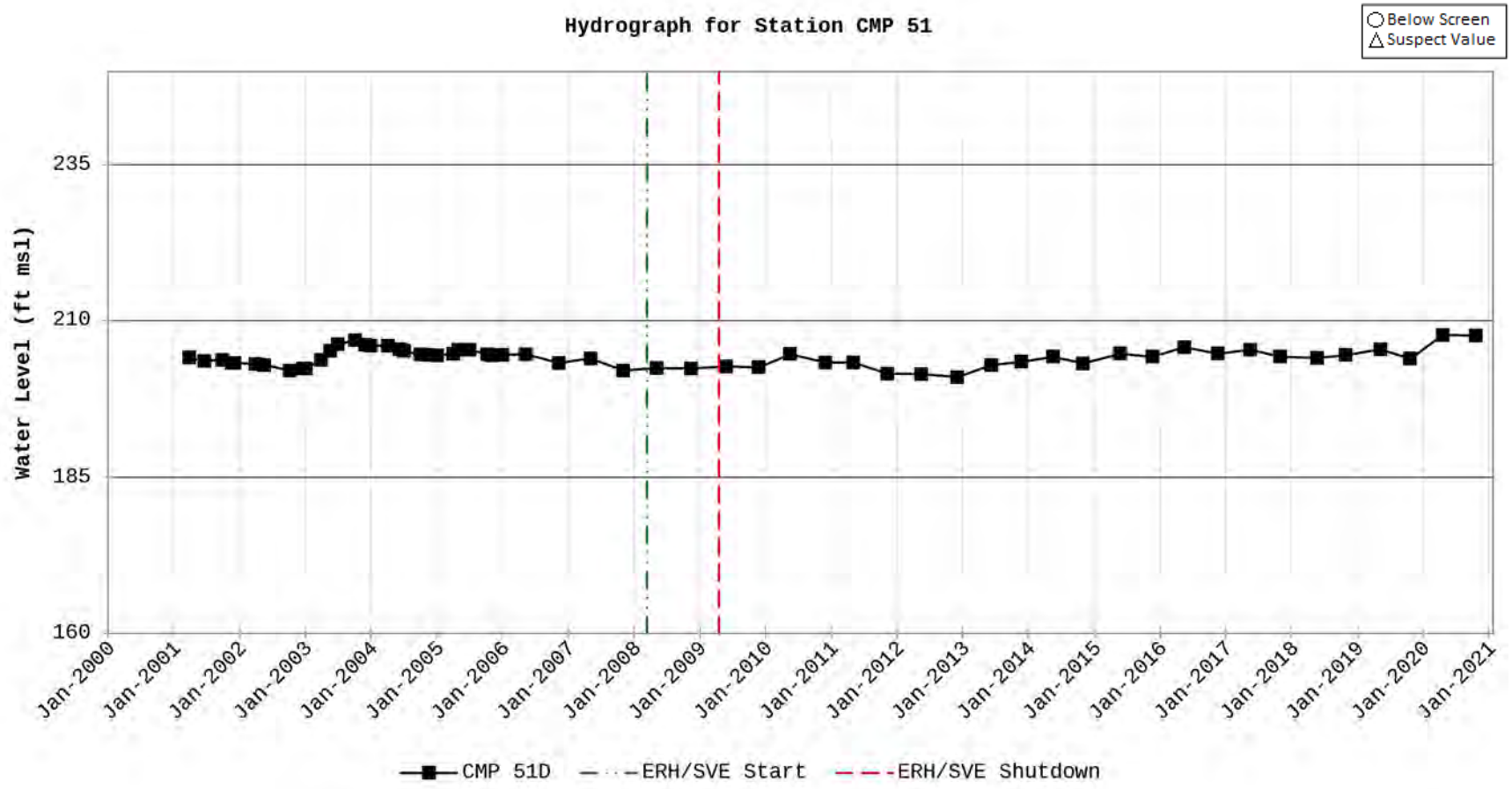

Hydrograph for Station CMP 45
Below Screen
Suspect Value
Water Level (ft msl)
235
210
185
160
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
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Jan-2012
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Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 45D
ERH/SVE Start
ERH/SVE Shutdown

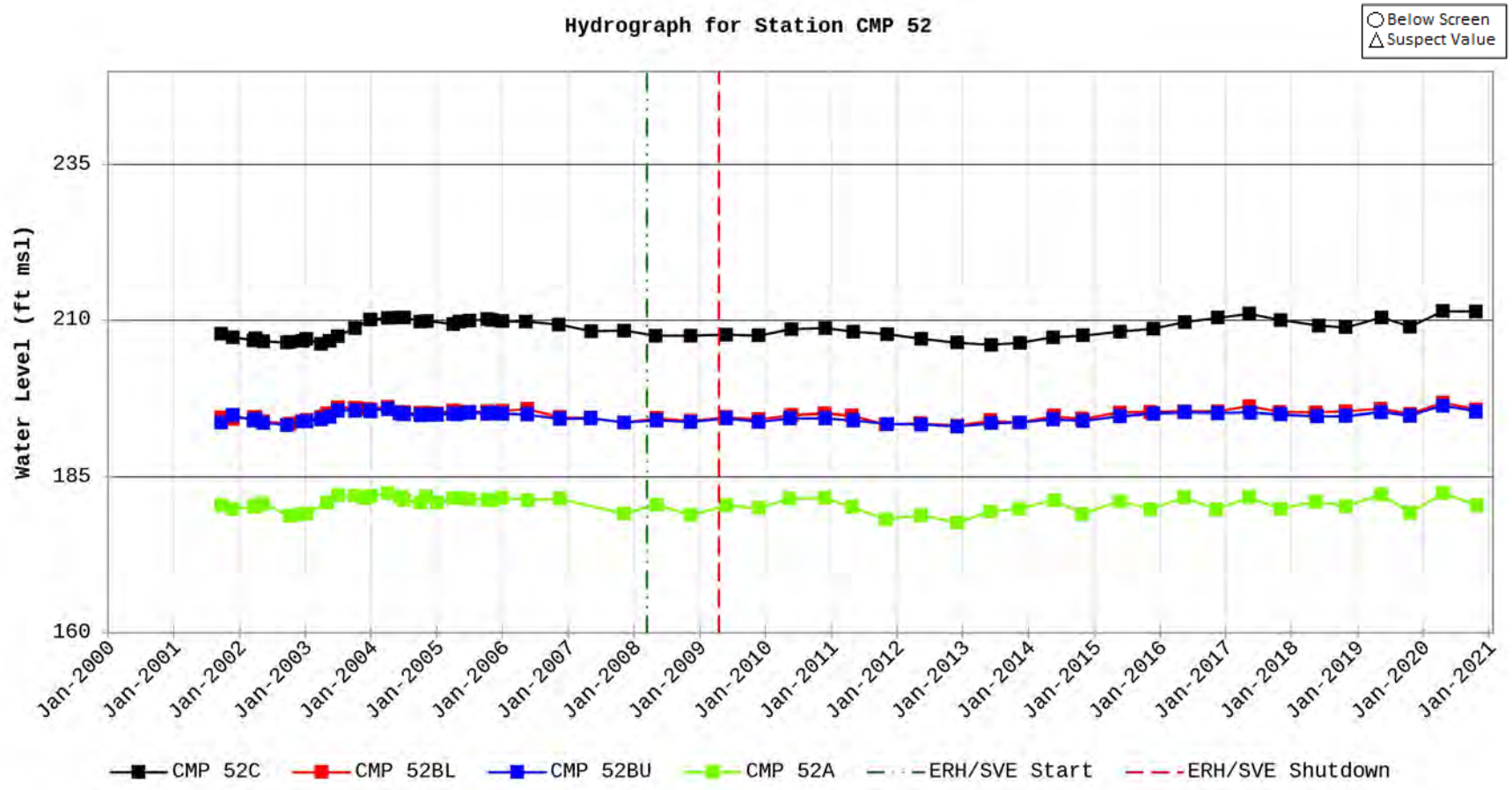

Hydrograph for Station CMP 46
Below Screen
Suspect Value
Water Level (ft msl)
235
210
185
160
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
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Jan-2011
Jan-2012
Jan-2013
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Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 46D
ERH/SVE Start
ERH/SVE Shutdown

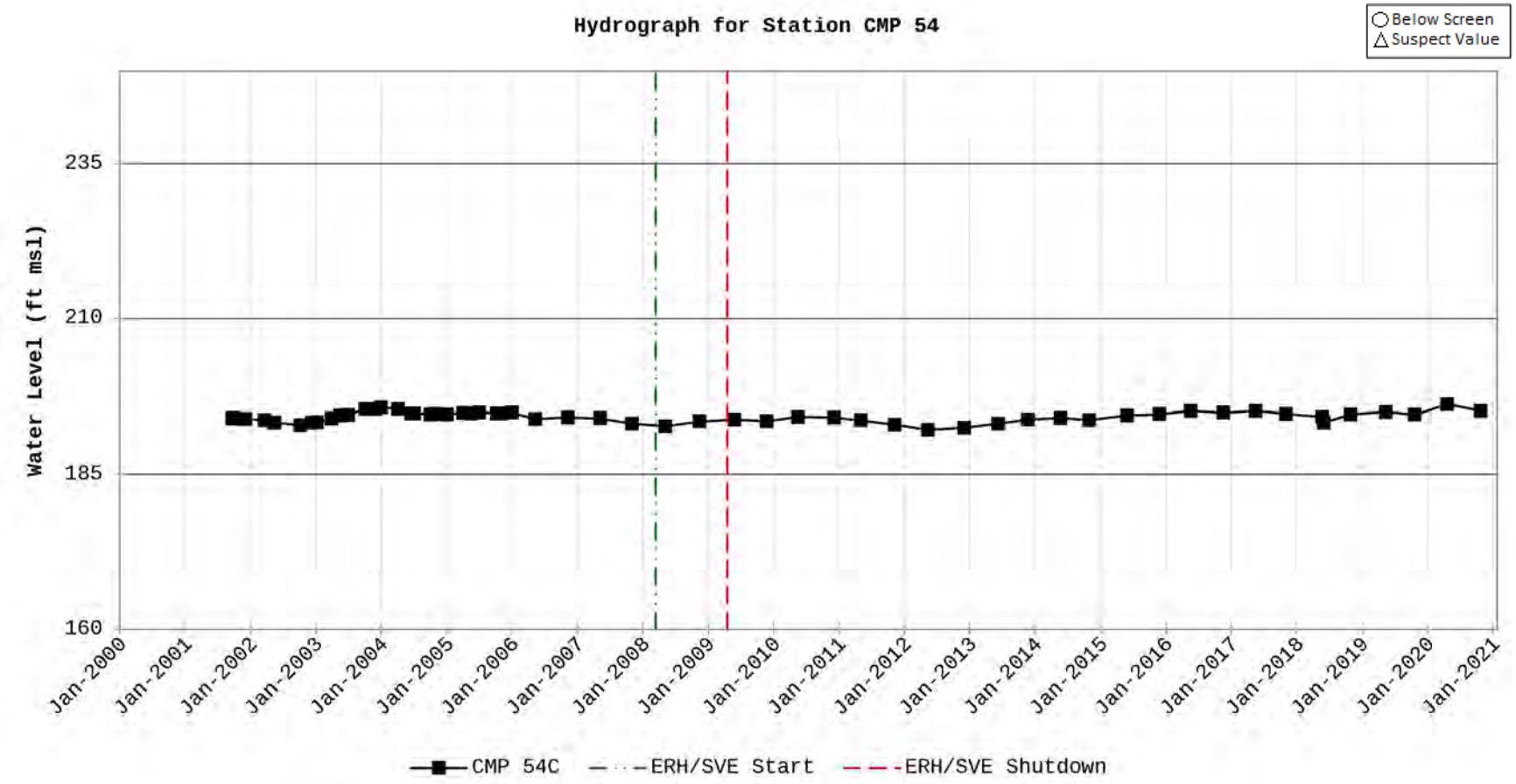

Hydrograph for Station CMP 47
Below Screen
Suspect Value
Water Level (ft msl)
235
210
185
160
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
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Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 47D
ERH/SVE Start
ERH/SVE Shutdown

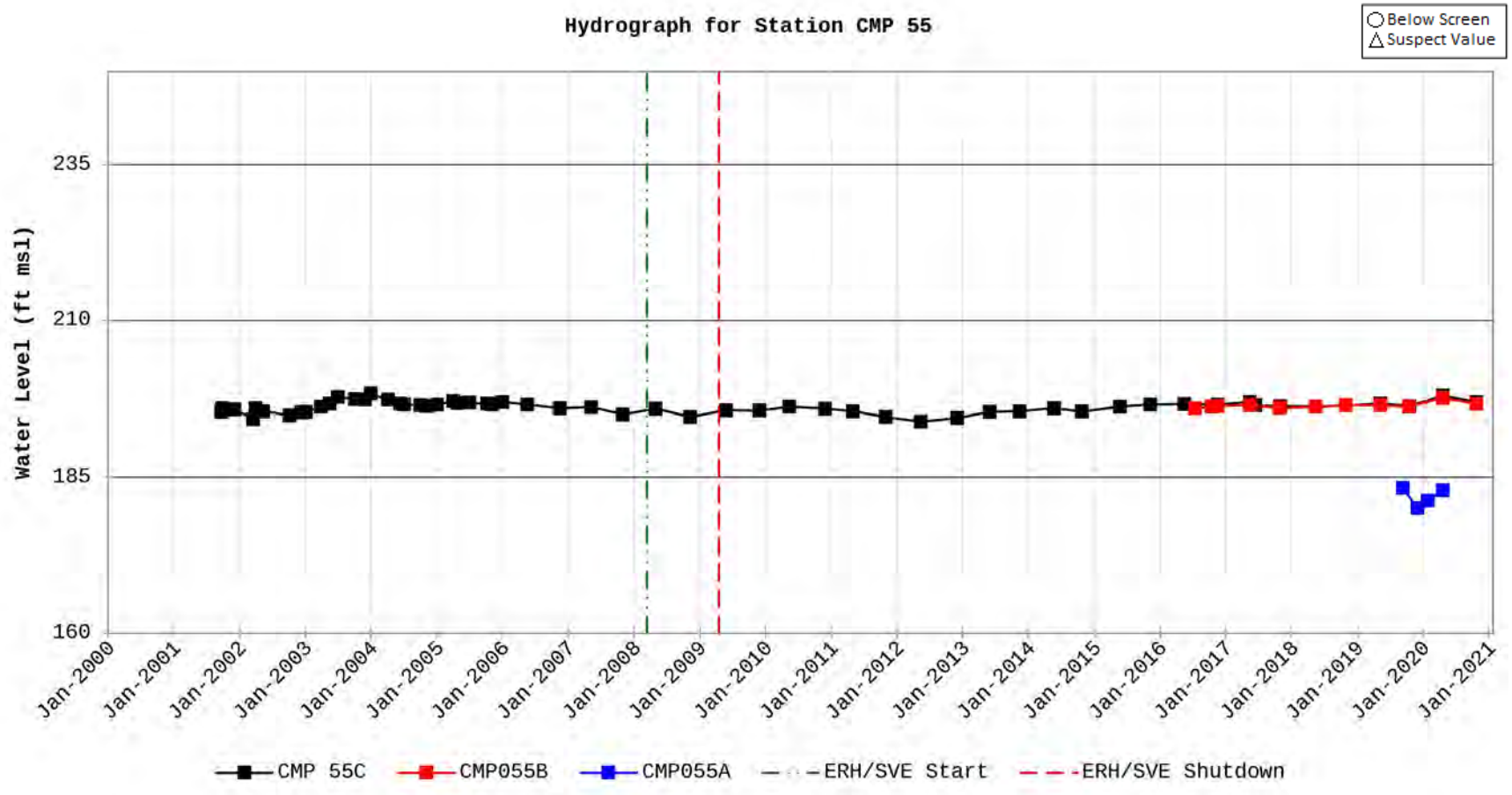

Hydrograph for Station CMP 48
Below Screen
Suspect Value
Water Level (ft msl)
235
210
185
160
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
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Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 48D
ERH/SVE Start
ERH/SVE Shutdown

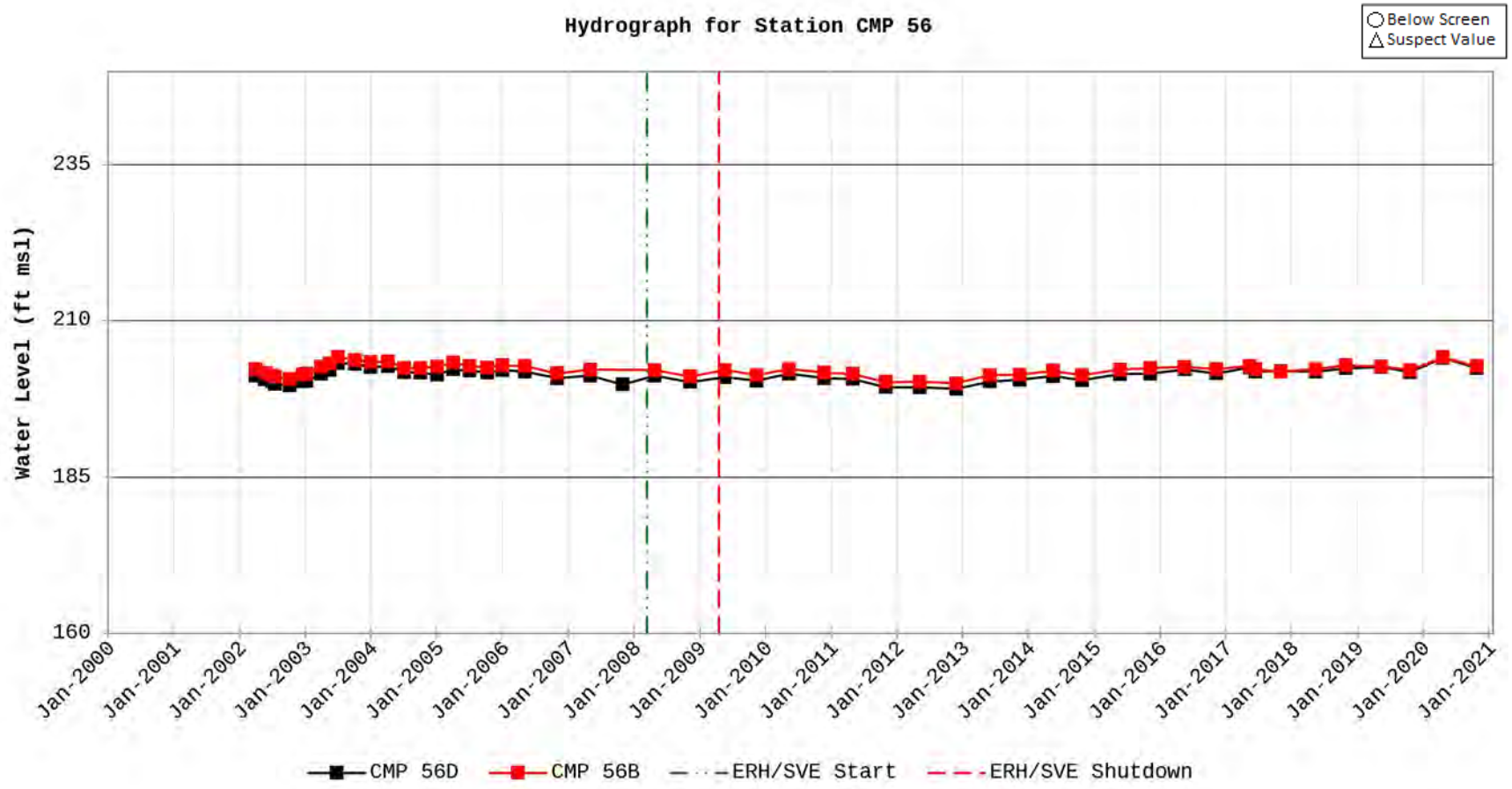

Hydrograph for Station CMP 50
Below Screen
Suspect Value
Water Level (ft msl)
235
210
185
160
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
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Jan-2019
Jan-2020
Jan-2021
CMP 50D
CMP 50B
ERH/SVE Start
ERH/SVE Shutdown

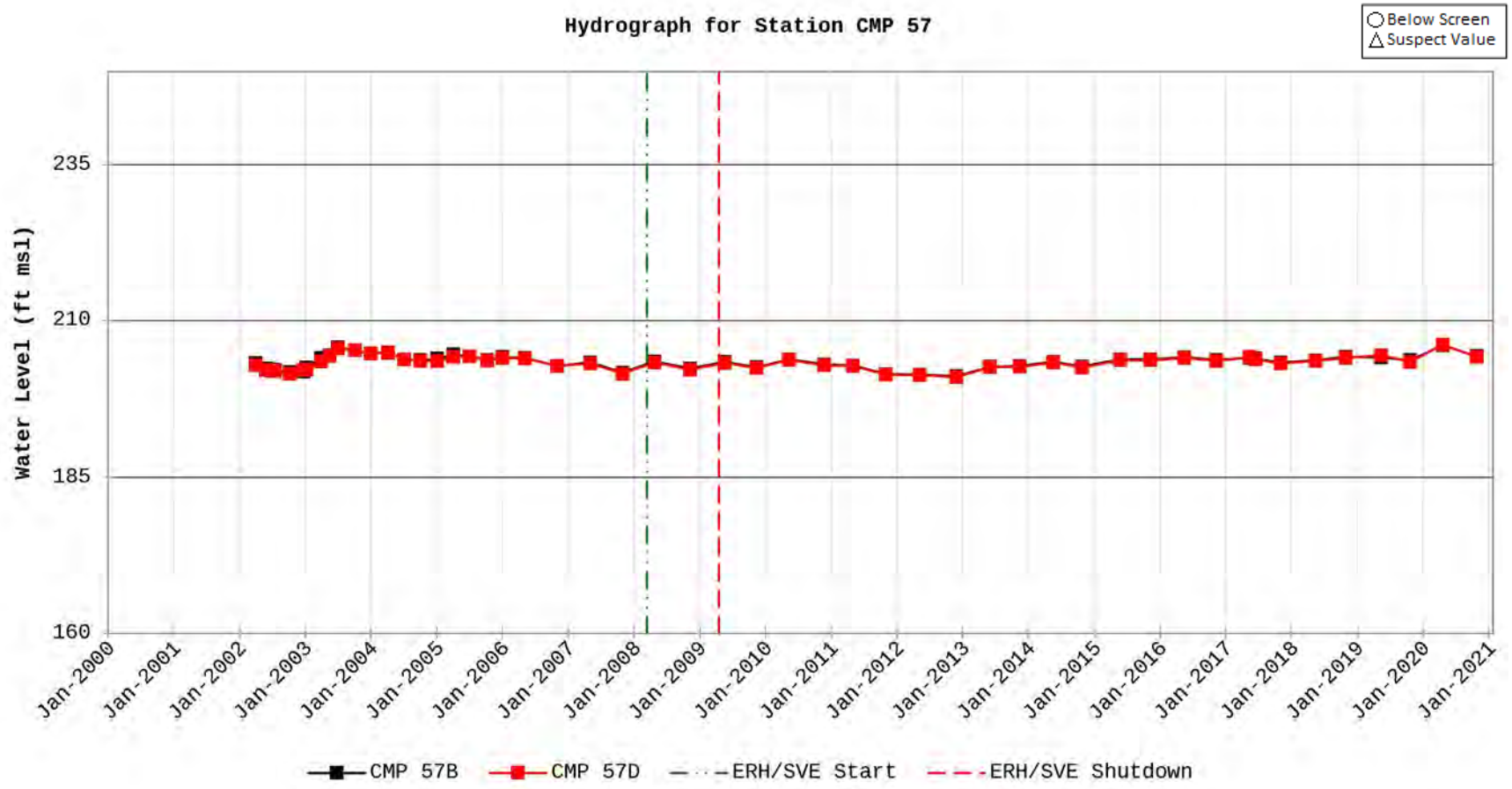

Hydrograph for Station CMP 51
Below Screen
Suspect Value
Water Level (ft msl)
235
210
185
160
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
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Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 51D
ERH/SVE Start
ERH/SVE Shutdown

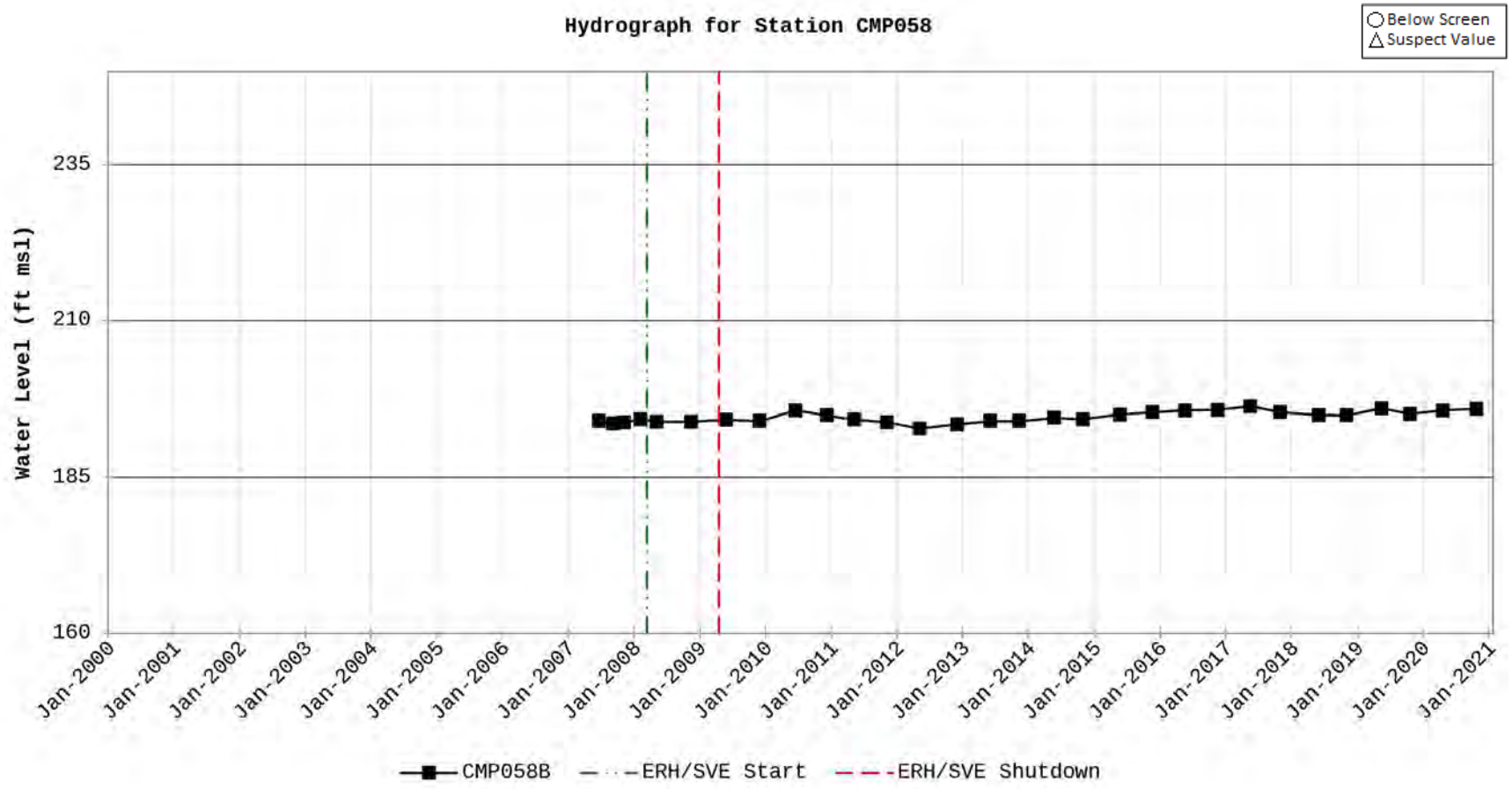

Hydrograph for Station CMP 52
Below Screen
Suspect Value
Water Level (ft msl)
235
210
185
160
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
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Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 52C
CMP 52BL
CMP 52BU
CMP 52A
ERH/SVE Start
ERH/SVE Shutdown

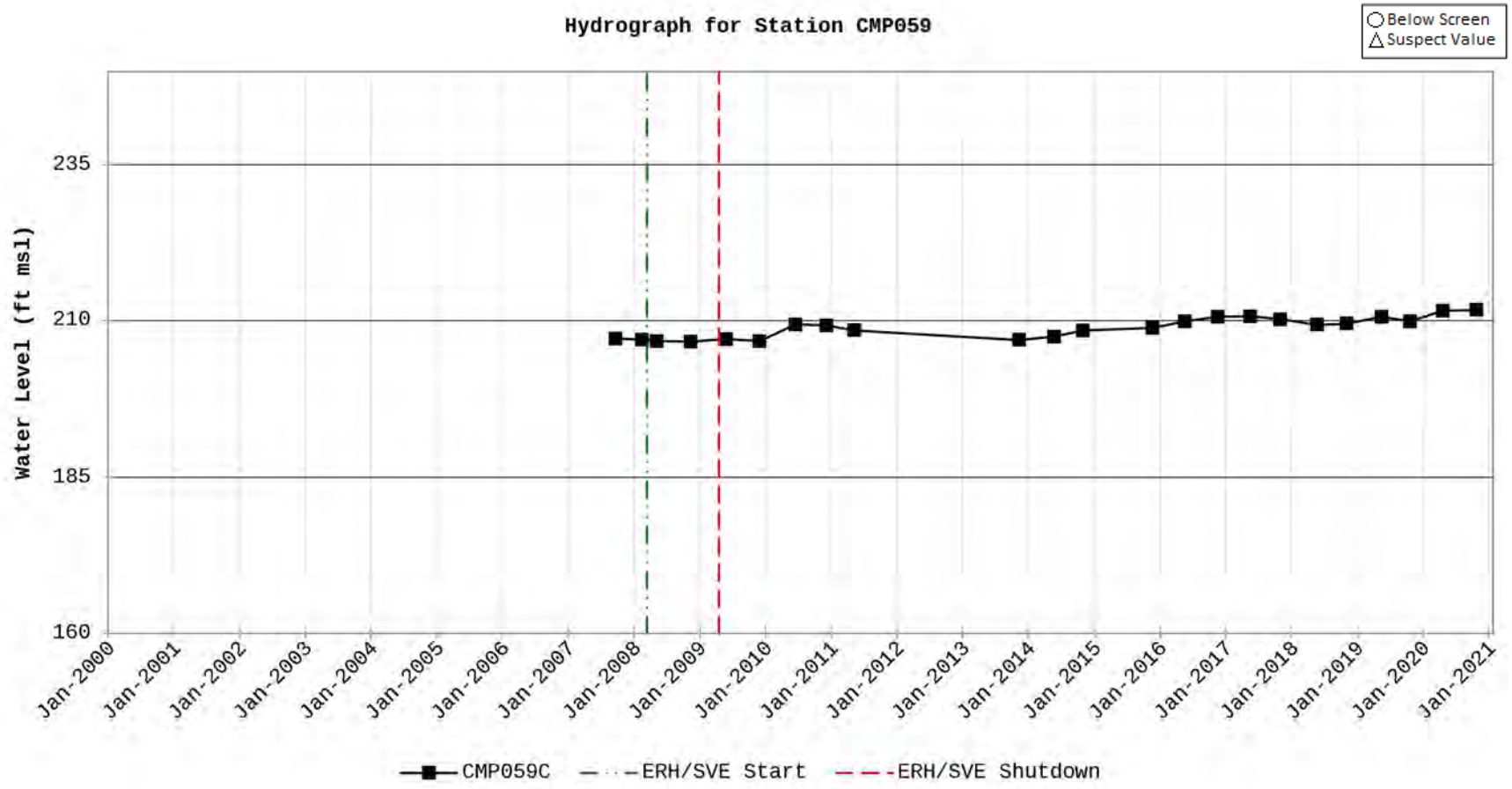

Hydrograph for Station CMP 54
Below Screen
Suspect Value
Water Level (ft msl)
235
210
185
160
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
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Jan-2011
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Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 54C
ERH/SVE Start
ERH/SVE Shutdown

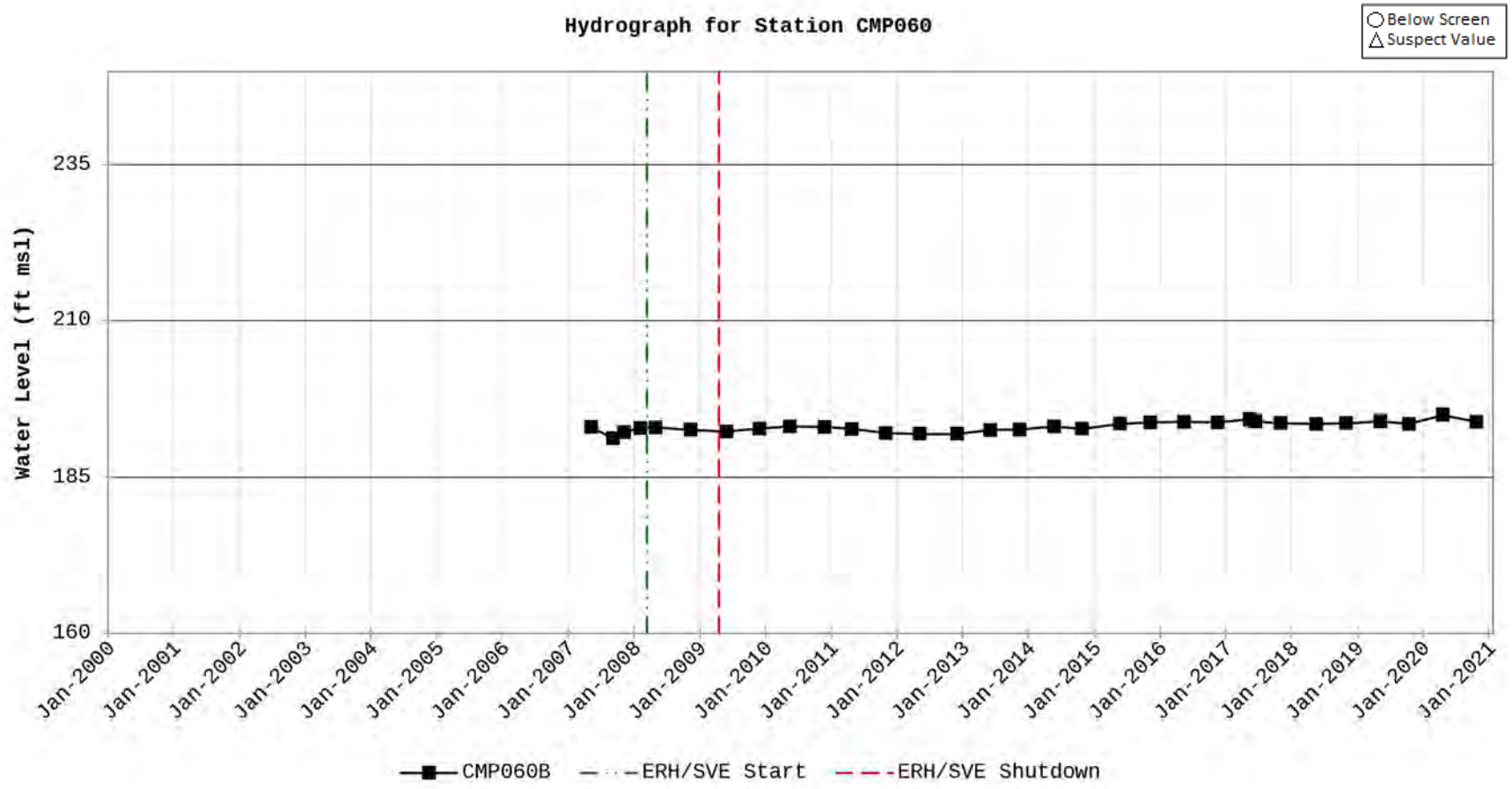

Hydrograph for Station CMP 55
Below Screen
Suspect Value
Water Level (ft msl)
235
210
185
160
Jan-2000
Jan-2001
Jan-2002
Jan-2003
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Jan-2005
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Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 55C
CMP055B
CMP055A
ERH/SVE Start
ERH/SVE Shutdown

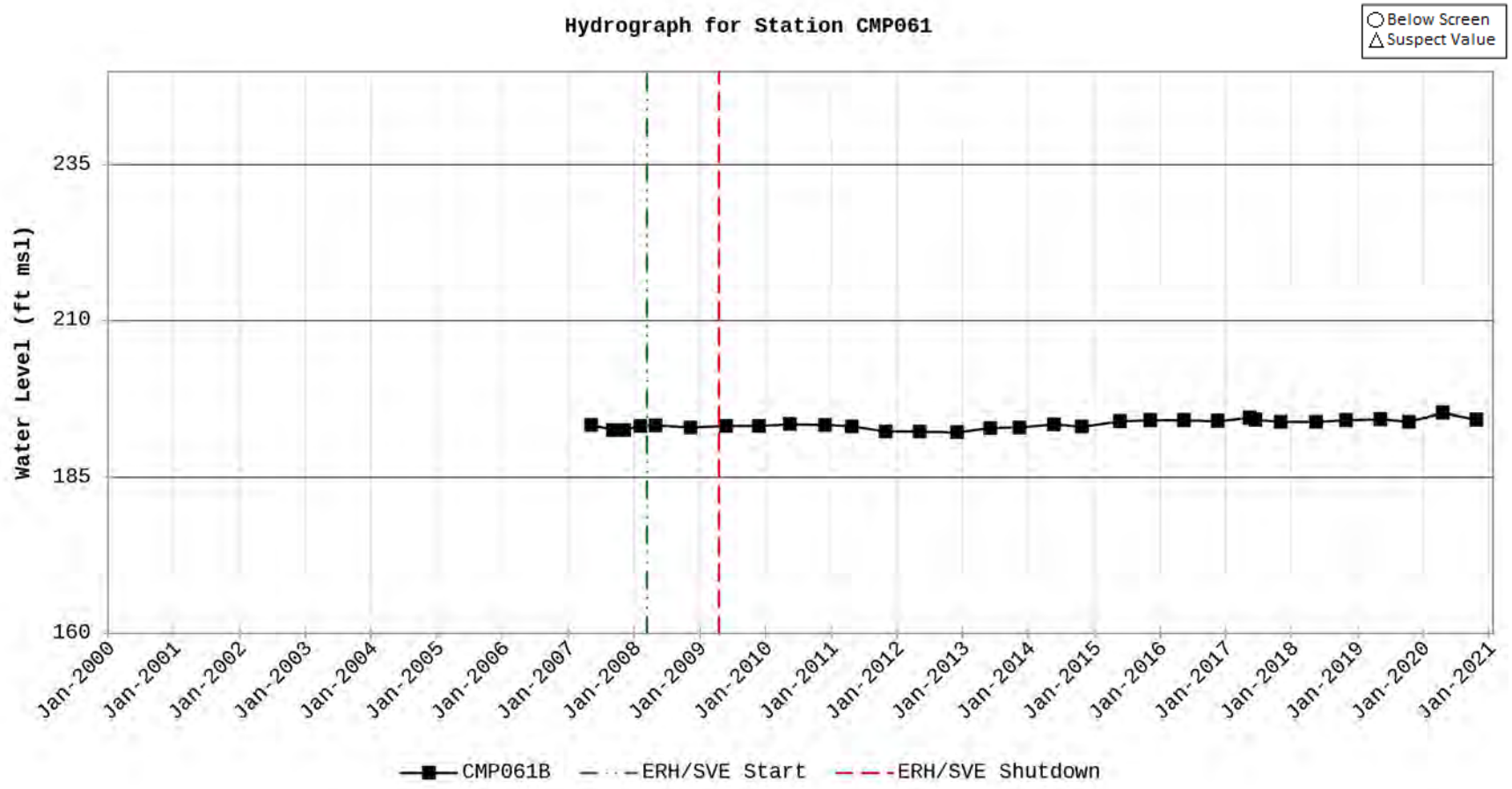

Hydrograph for Station CMP 56
Below Screen
Suspect Value
Water Level (ft msl)
235
210
185
160
Jan-2000
Jan-2001
Jan-2002
Jan-2003
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Jan-2009
Jan-2010
Jan-2011
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Jan-2015
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Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 56D
CMP 56B
ERH/SVE Start
ERH/SVE Shutdown

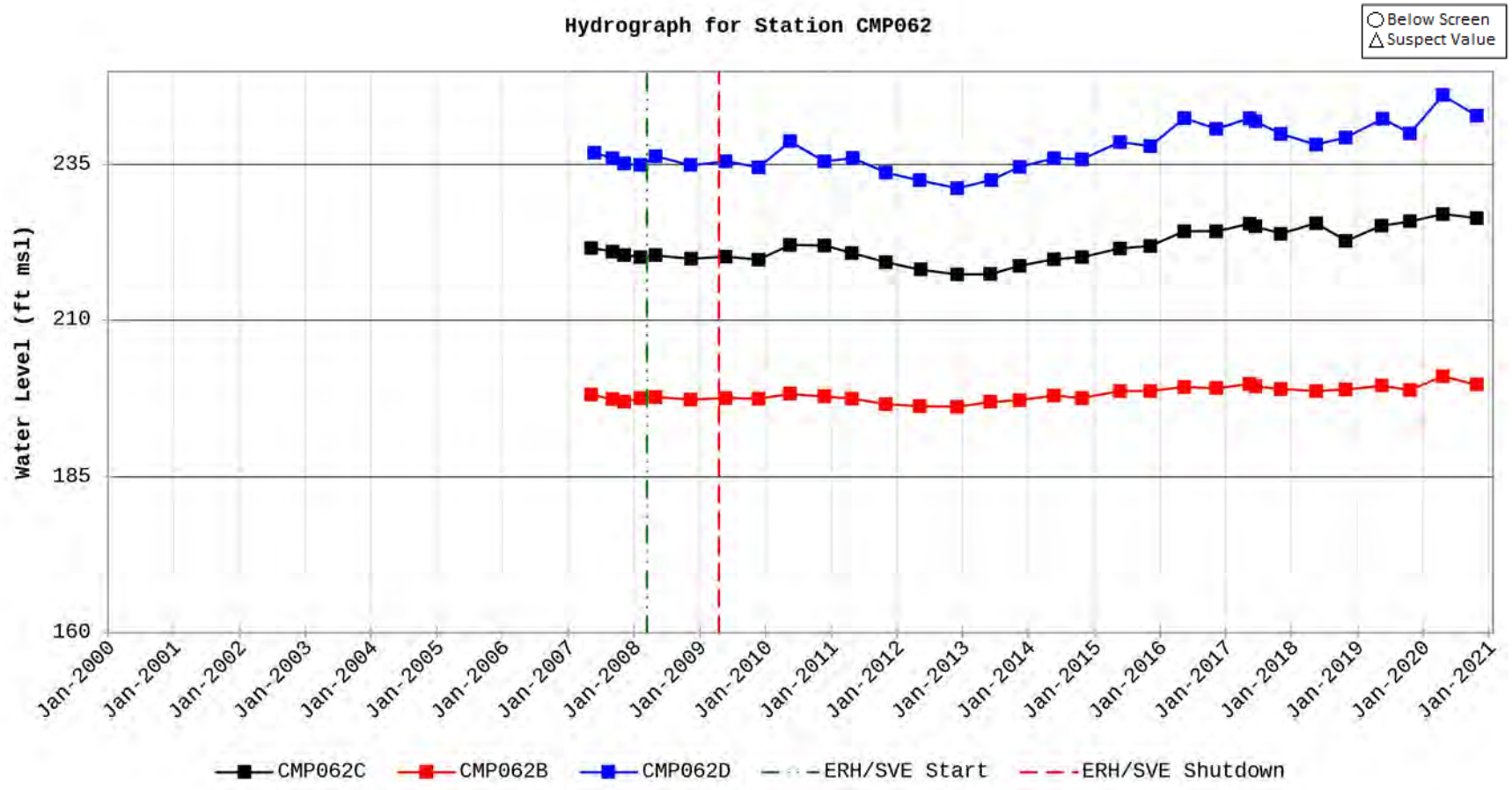

Hydrograph for Station CMP 57
Below Screen
Suspect Value
Water Level (ft msl)
235
210
185
160
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
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Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 57B
CMP 57D
ERH/SVE Start
ERH/SVE Shutdown

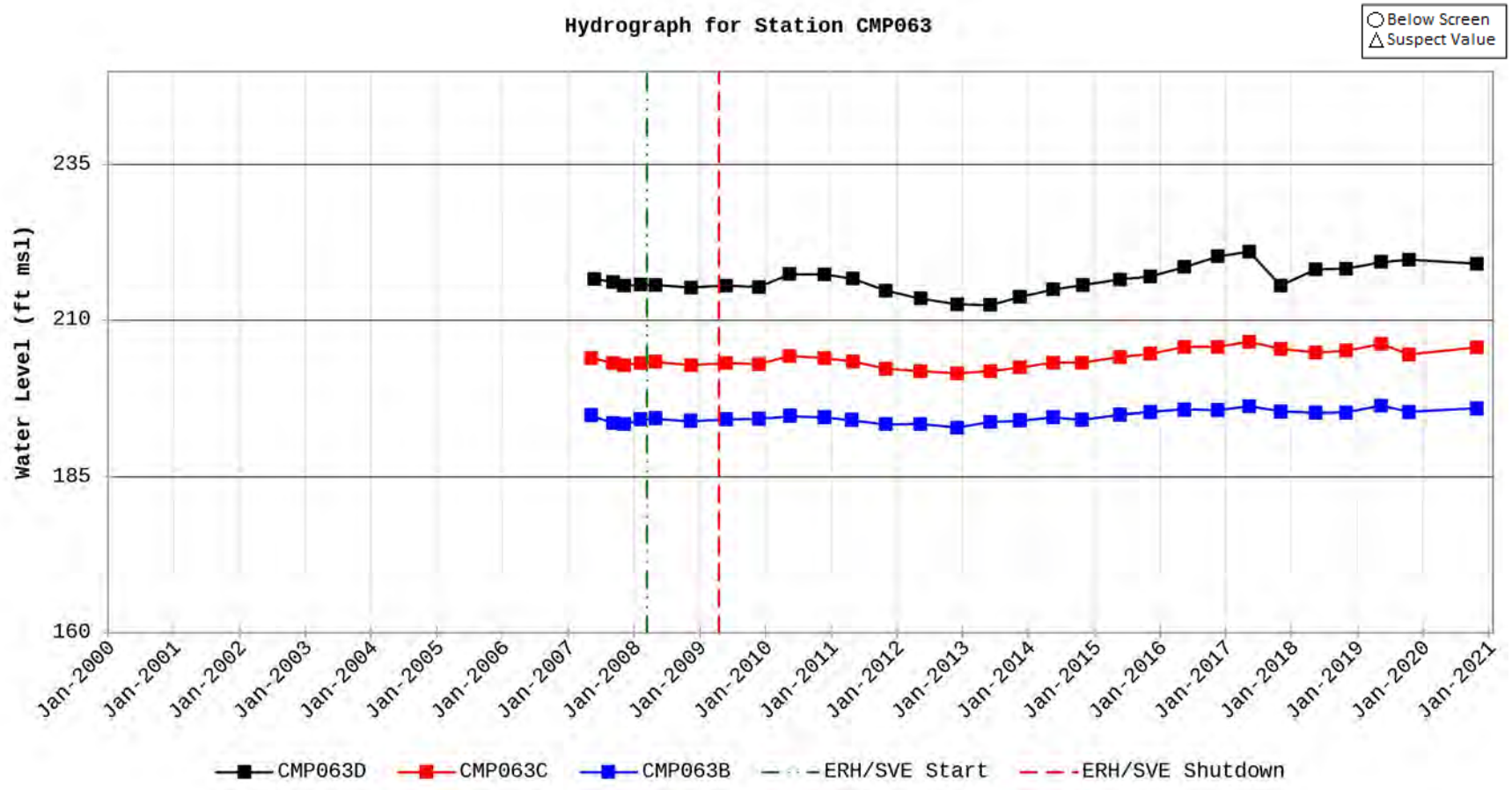

Hydrograph for Station CMP058
Below Screen
Suspect Value
Water Level (ft msl)
235
210
185
160
Jan-2000
Jan-2001
Jan-2002
Jan-2003
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Jan-2008
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Jan-2010
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Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP058B
ERH/SVE Start
ERH/SVE Shutdown

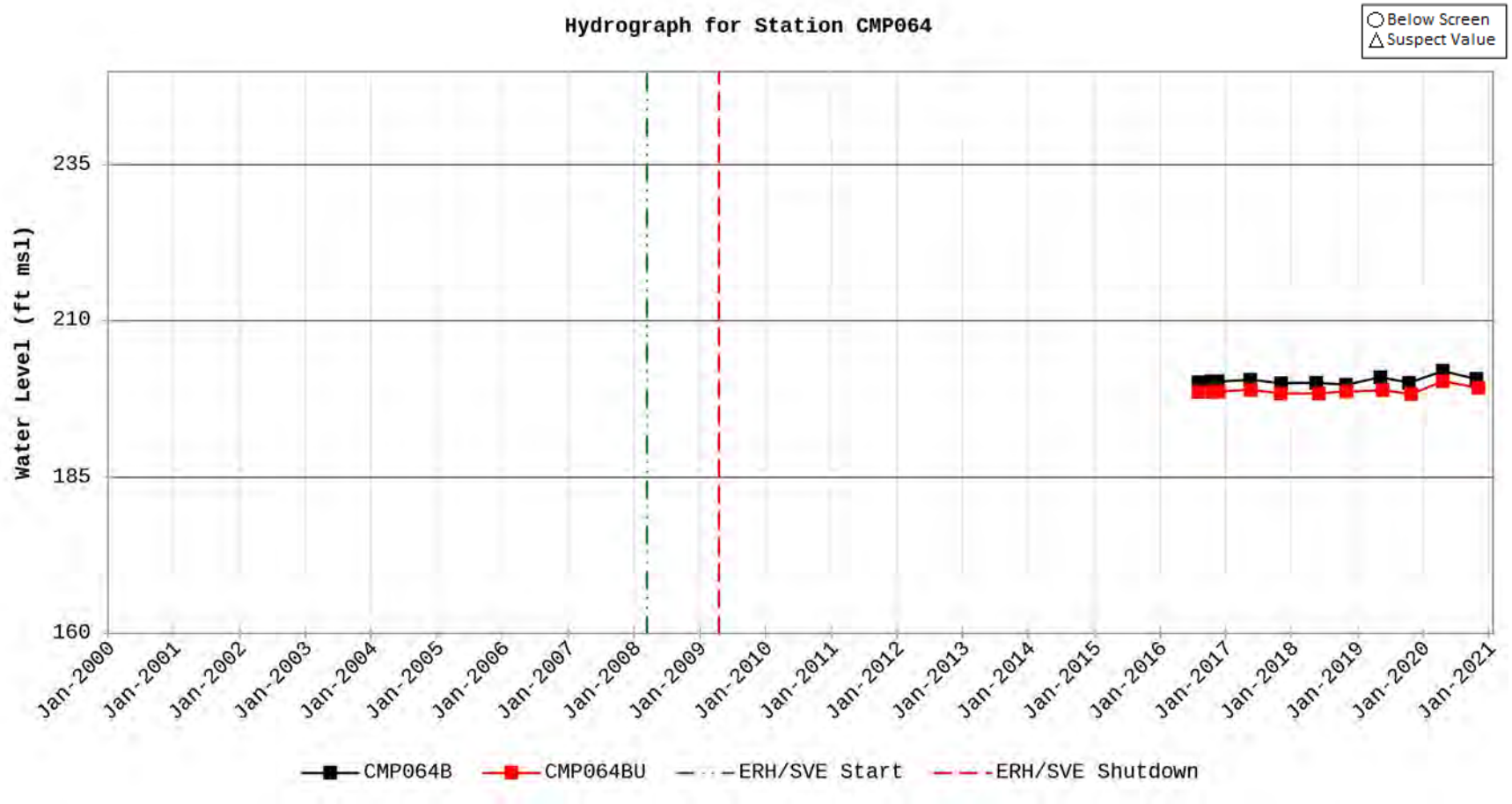

Hydrograph for Station CMP059
Below Screen
Suspect Value
Water Level (ft msl)
235
210
185
160
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
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Jan-2007
Jan-2008
Jan-2009
Jan-2010
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Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP059C
ERH/SVE Start
ERH/SVE Shutdown

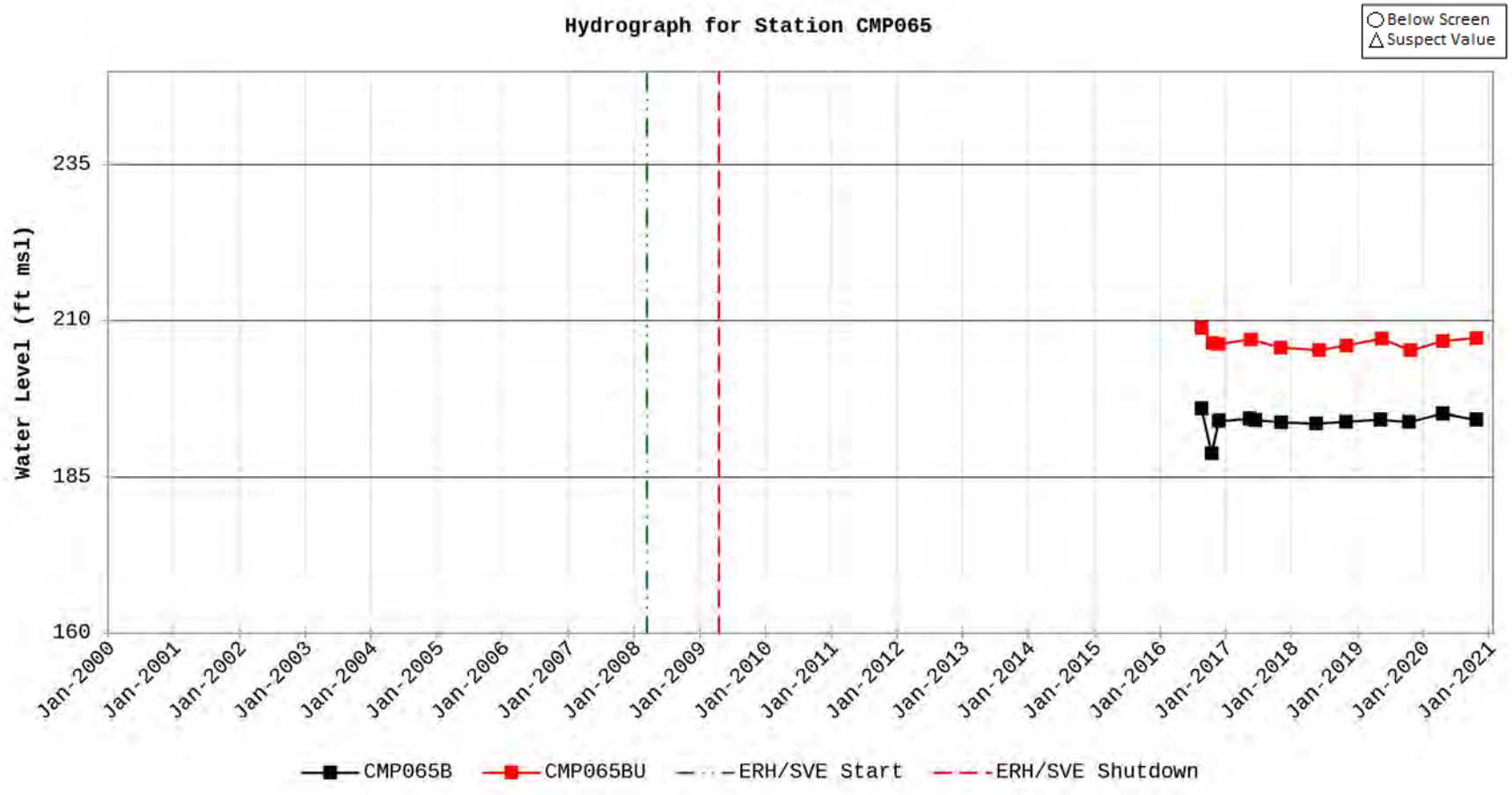

Hydrograph for Station CMP060
Below Screen
Suspect Value
Water Level (ft msl)
235
210
185
160
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
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Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
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Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP060B
ERH/SVE Start
ERH/SVE Shutdown

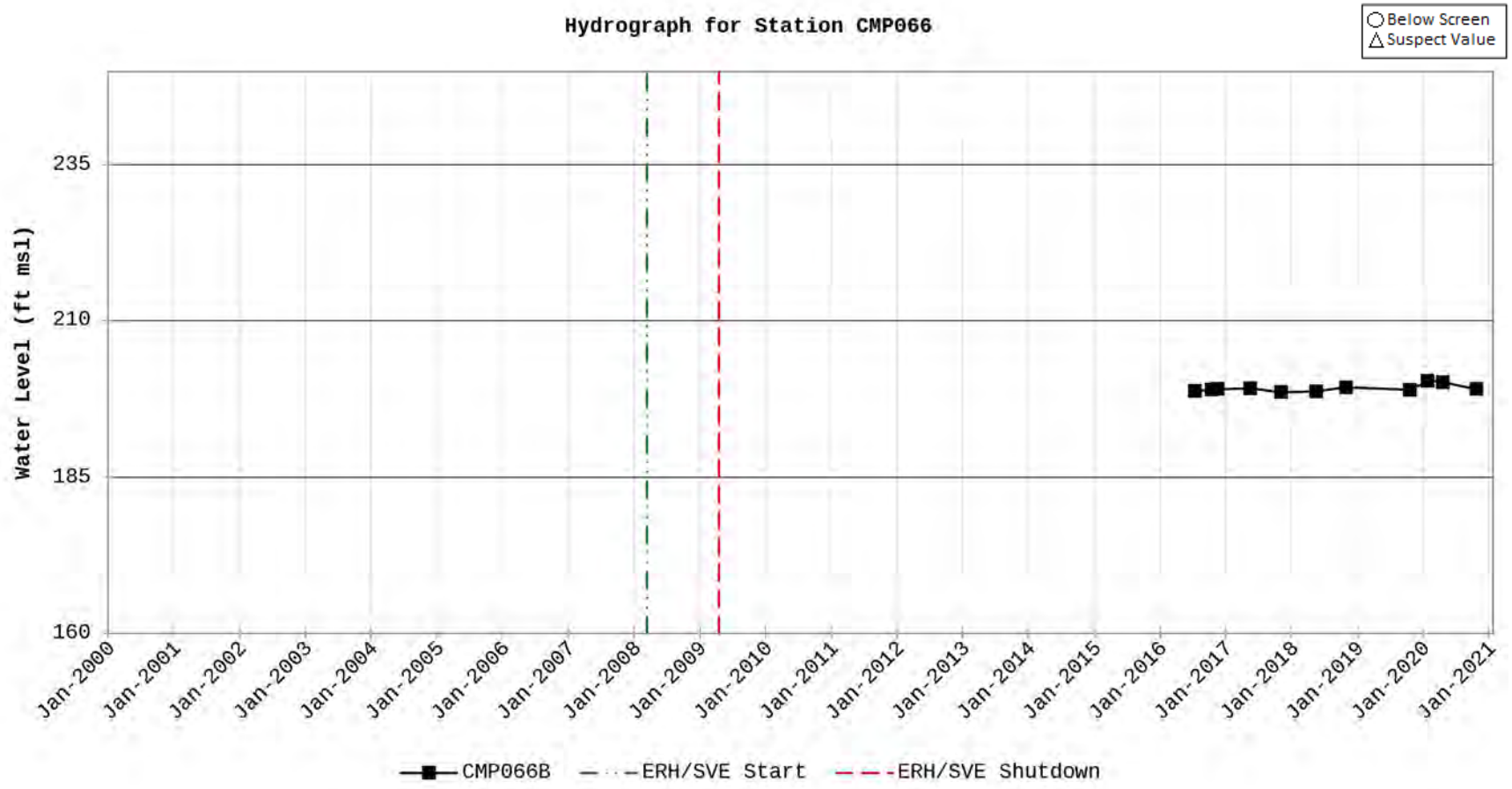

Hydrograph for Station CMP061
Below Screen
Suspect Value
Water Level (ft msl)
235
210
185
160
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
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Jan-2010
Jan-2011
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Jan-2013
Jan-2014
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Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP061B
ERH/SVE Start
ERH/SVE Shutdown

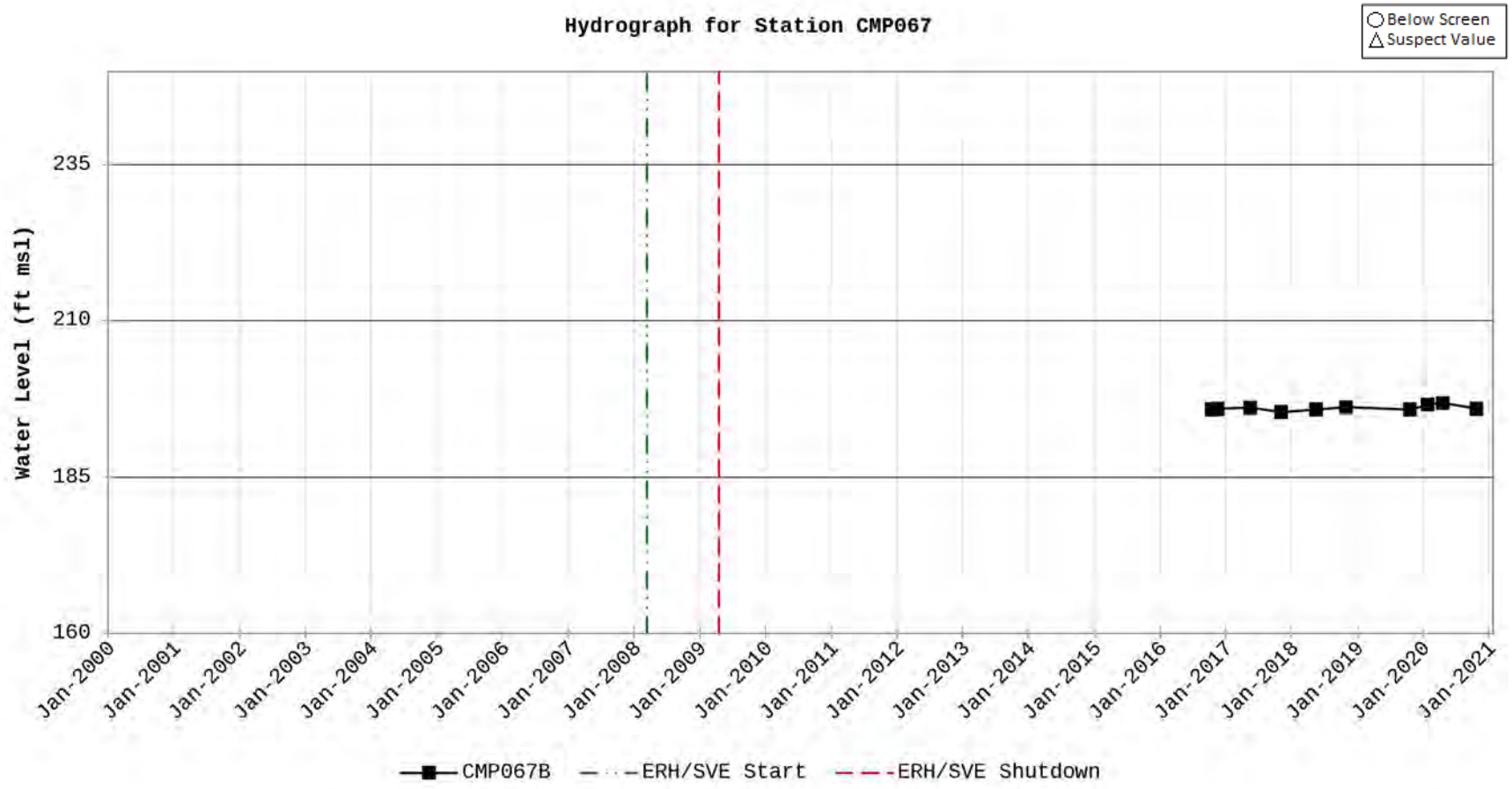

Hydrograph for Station CMP062
Below Screen
Suspect Value
Water Level (ft msl)
235
210
185
160
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
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Jan-2009
Jan-2010
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Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP062C
CMP062B
CMP062D
ERH/SVE Start
ERH/SVE Shutdown


Hydrograph for Station CMP063
Below Screen
Suspect Value
Water Level (ft msl)
235
210
185
160
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
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Jan-2007
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Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP063D
CMP063C
CMP063B
ERH/SVE Start
ERH/SVE Shutdown


Hydrograph for Station CMP064
Below Screen
Suspect Value
Water Level (ft msl)
235
210
185
160
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
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Jan-2007
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Jan-2010
Jan-2011
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Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP064B
CMP064BU
ERH/SVE Start
ERH/SVE Shutdown


Hydrograph for Station CMP065
Below Screen
Suspect Value
Water Level (ft msl)
235
210
185
160
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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Jan-2009
Jan-2010
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Jan-2013
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Jan-2015
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Jan-2019
Jan-2020
Jan-2021
CMP065B
CMP065BU
ERH/SVE Start
ERH/SVE Shutdown

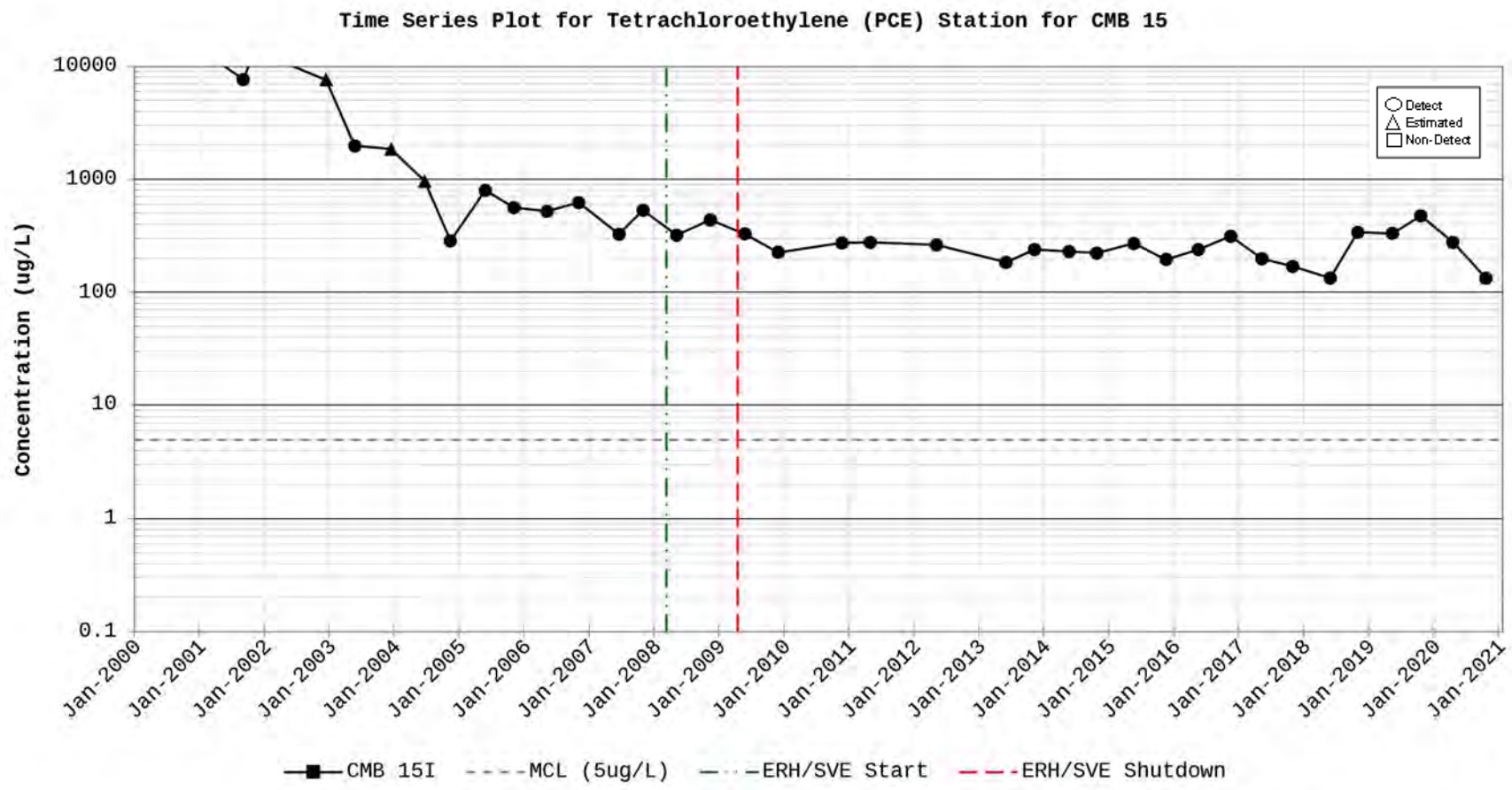

Hydrograph for Station CMP066
Below Screen
Suspect Value
Water Level (ft msl)
235
210
185
160
Jan-2000
Jan-2001
Jan-2002
Jan-2003
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Jan-2008
Jan-2009
Jan-2010
Jan-2011
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Jan-2013
Jan-2014
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Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP066B
ERH/SVE Start
ERH/SVE Shutdown

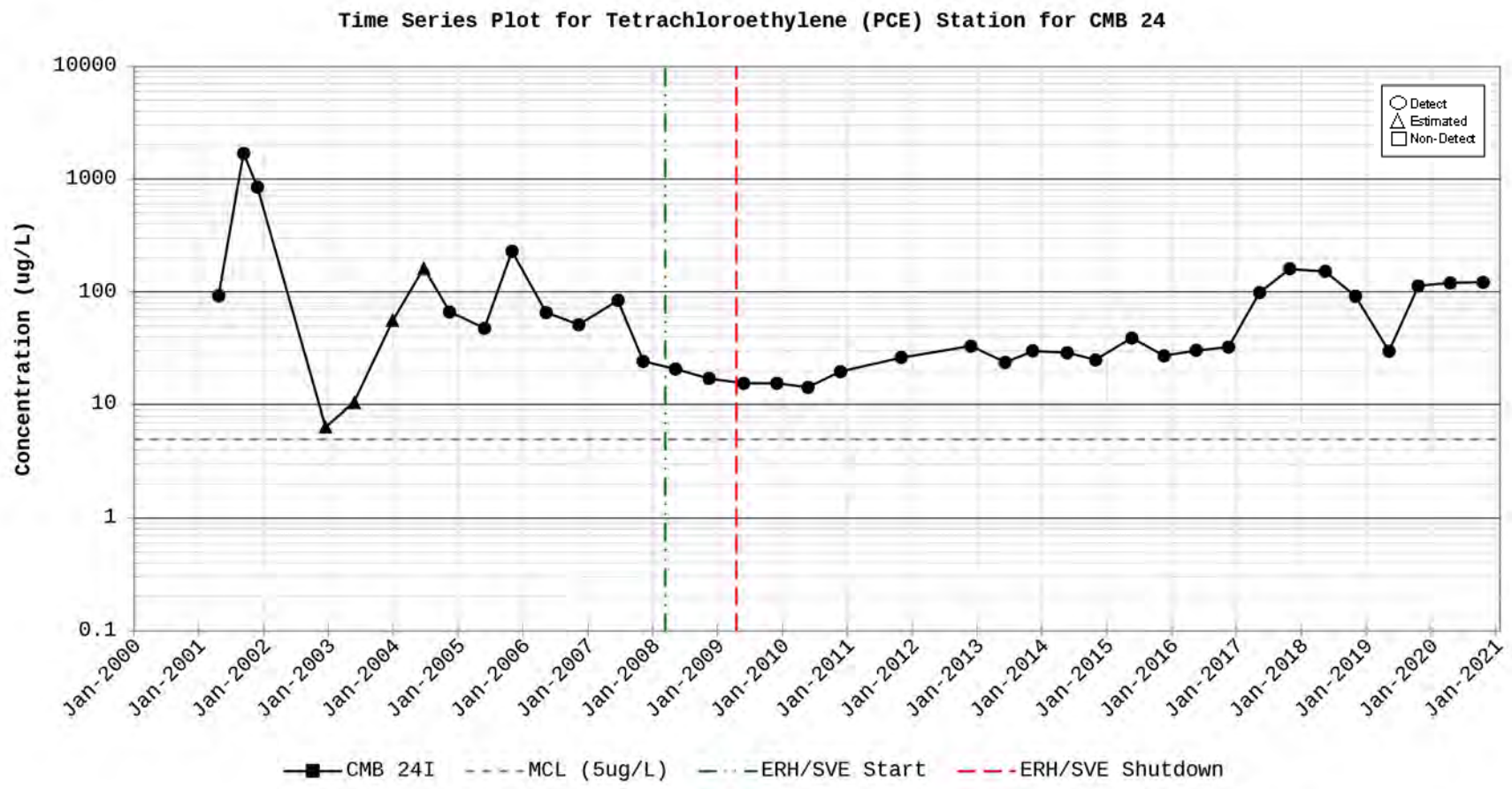

Hydrograph for Station CMP067
Below Screen
Suspect Value
Water Level (ft msl)
235
210
185
160
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP067B
ERH/SVE Start
ERH/SVE Shutdown

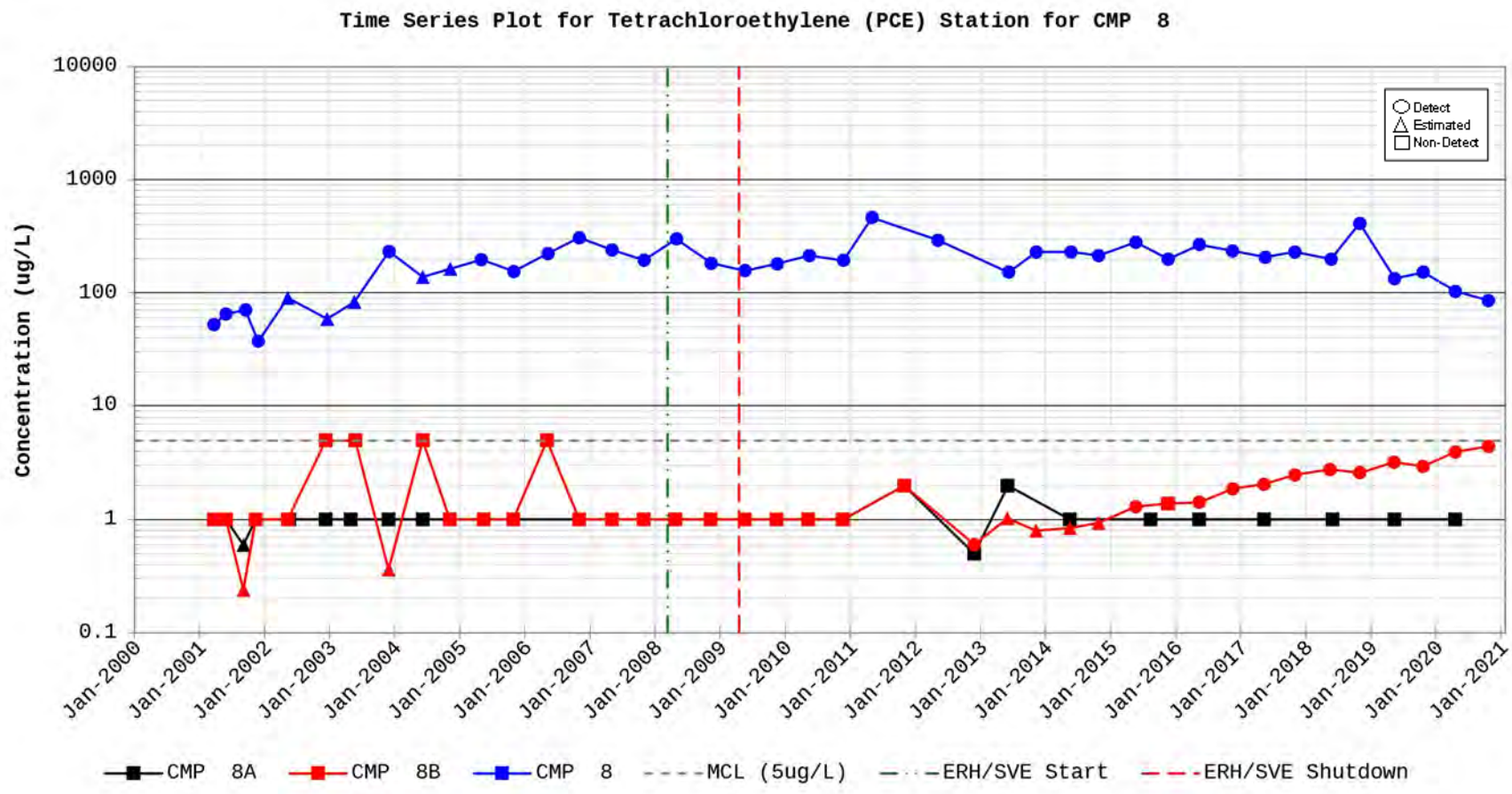
Appendix B

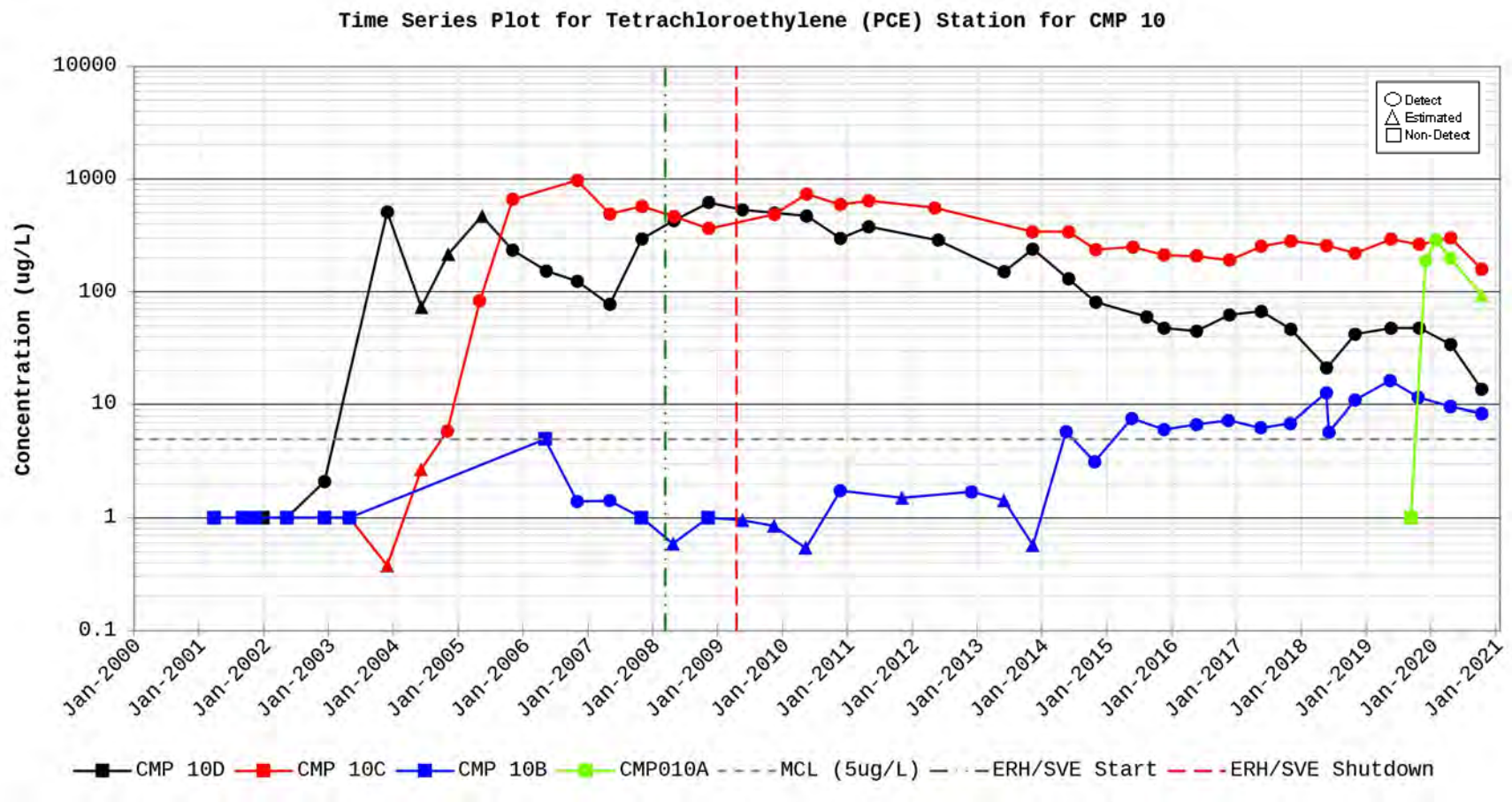
Time-Series Plots

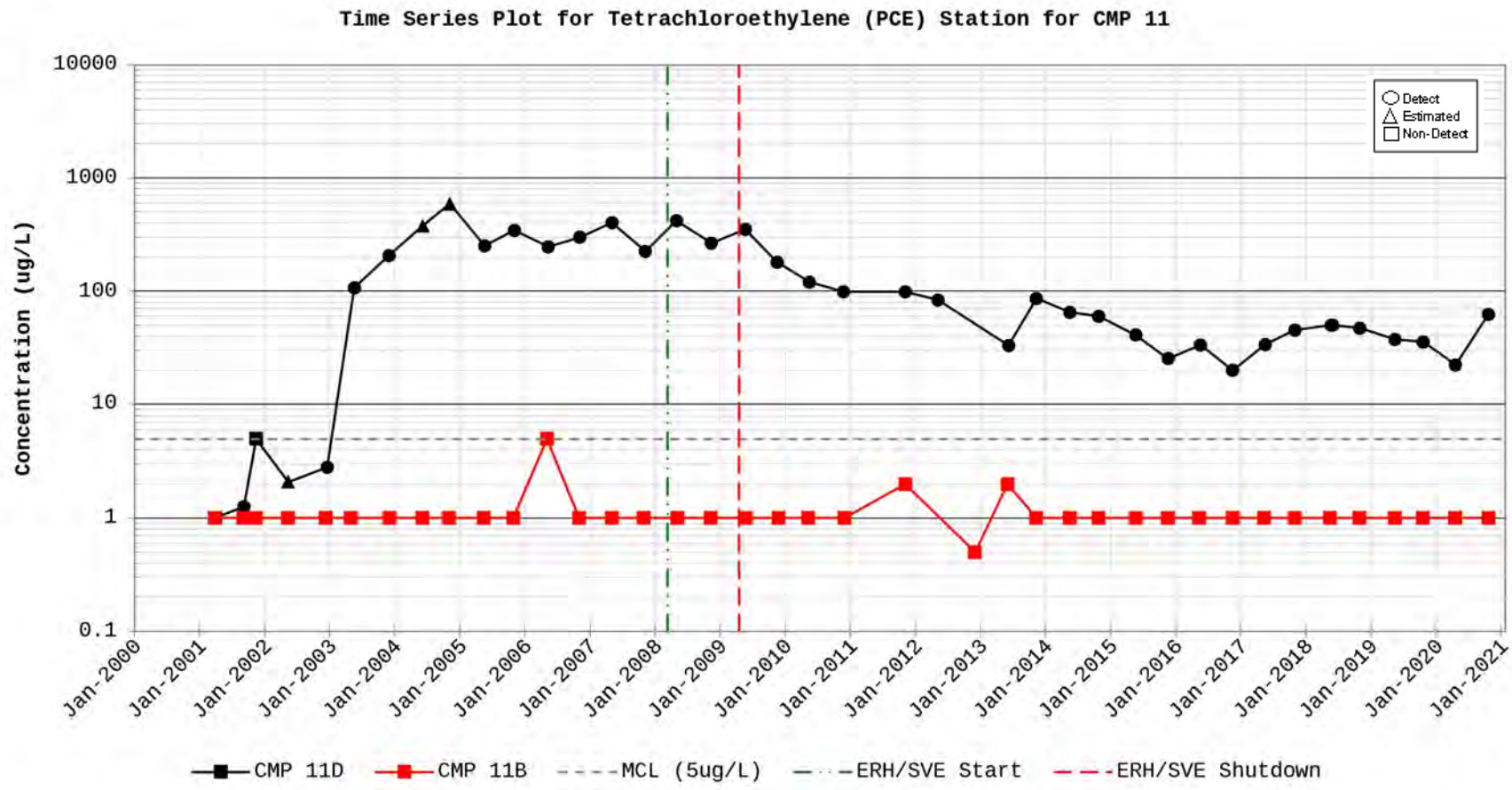
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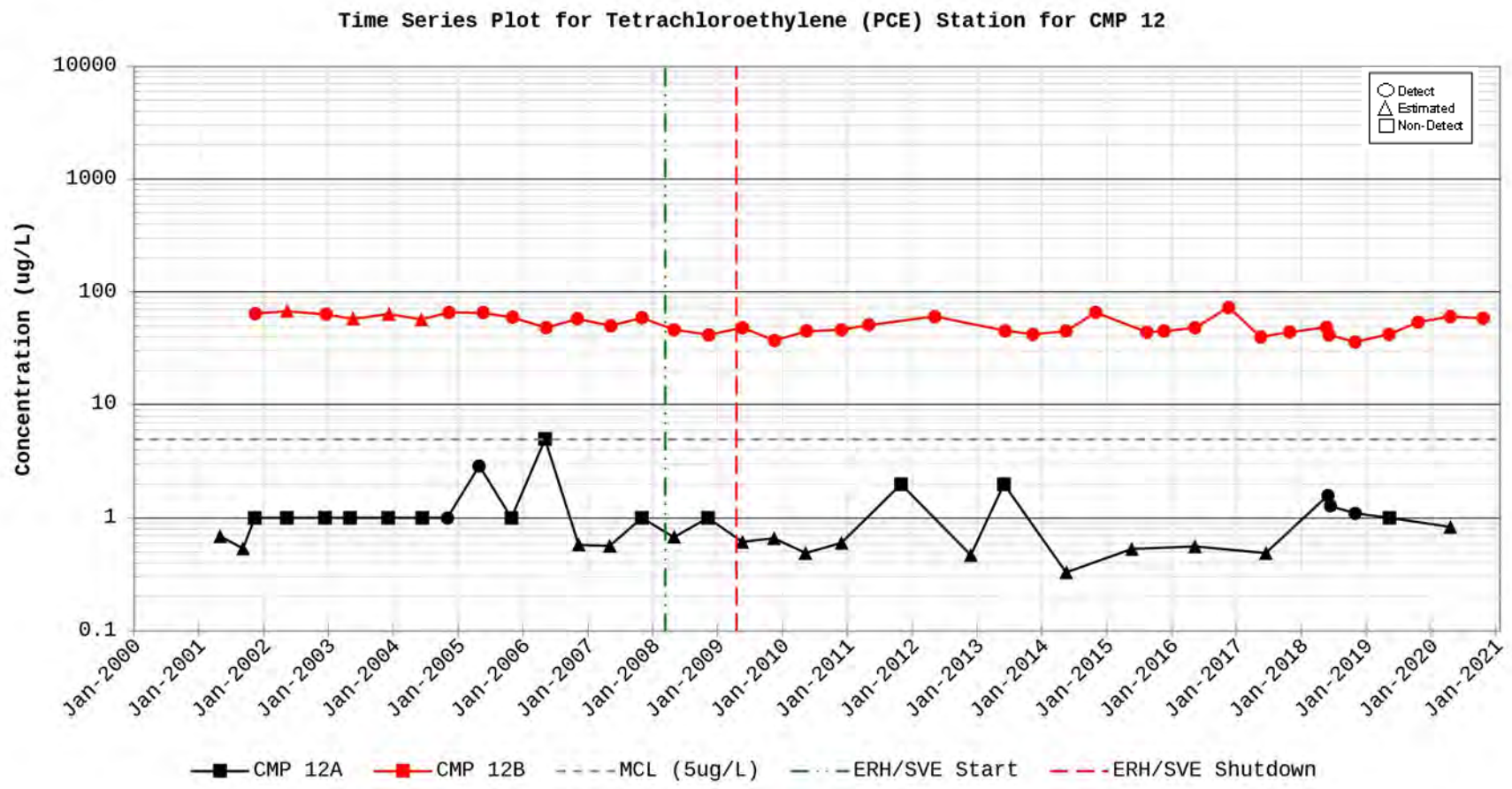

Time Series Plot for Tetrachloroethylene (PCE) Station for CMB 15
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMB 15I
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

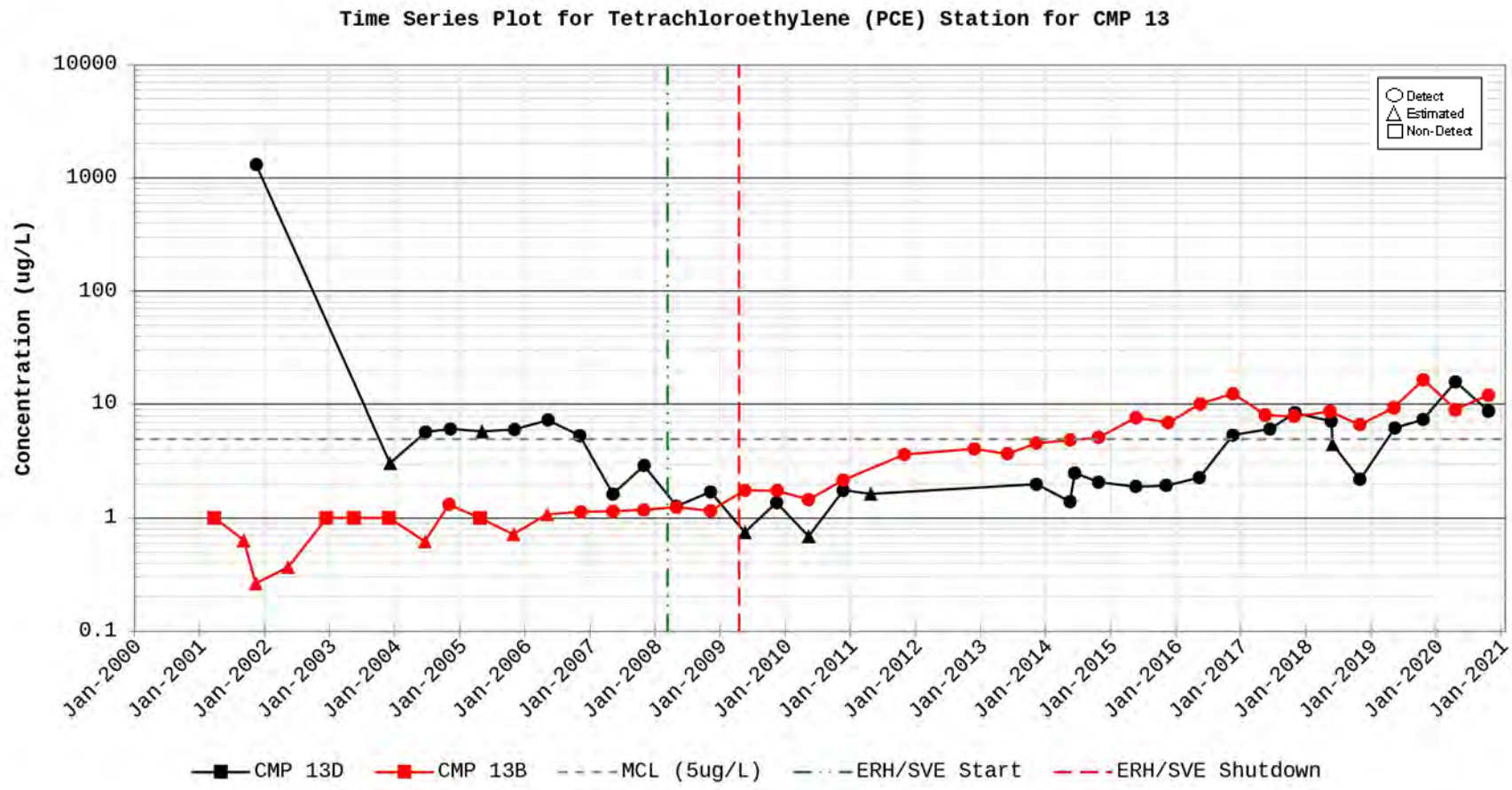

Time Series Plot for Tetrachloroethylene (PCE) Station for CMB 24
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMB 24I
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

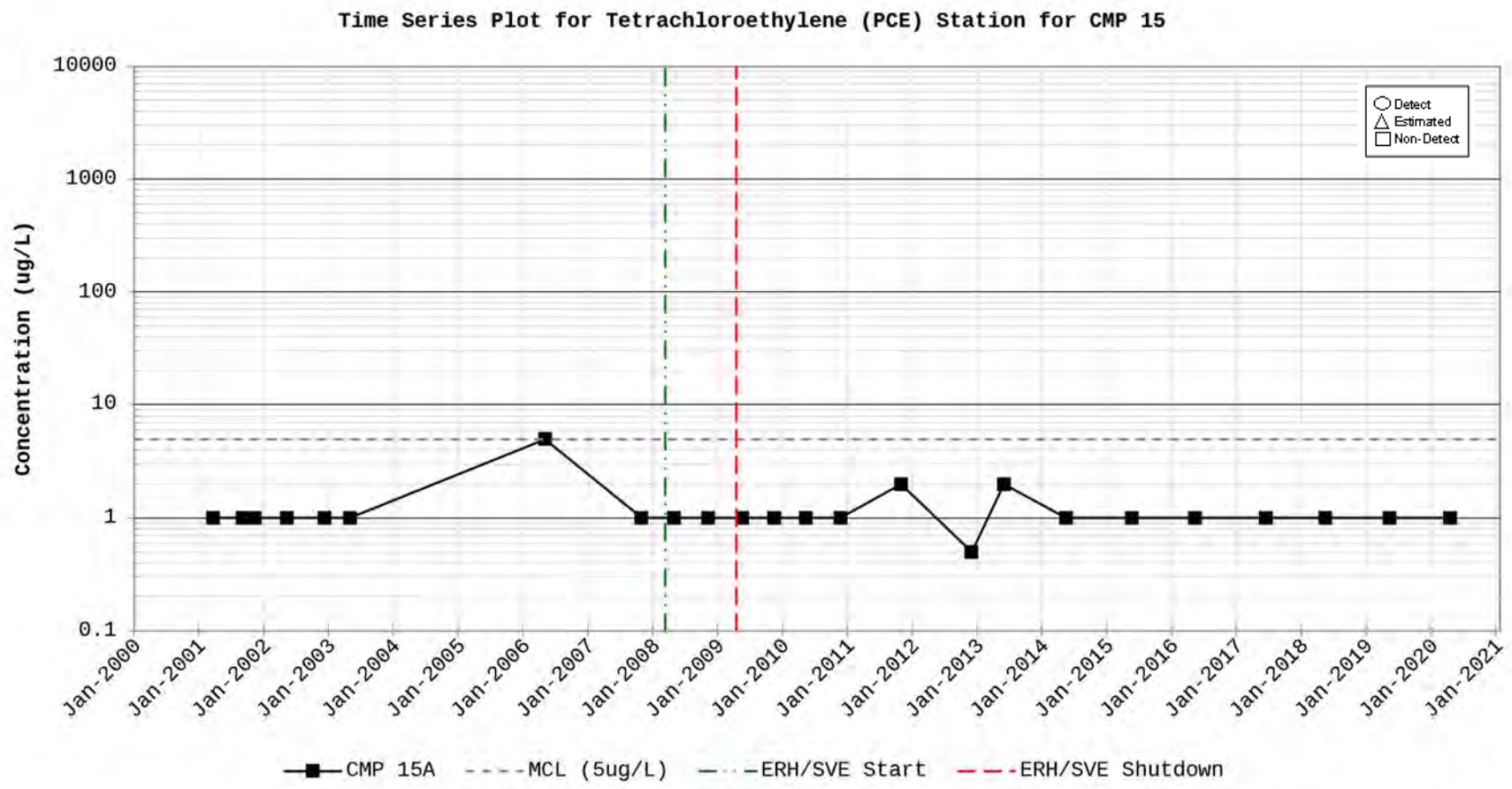

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP 8
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 8A
CMP 8B
CMP 8
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

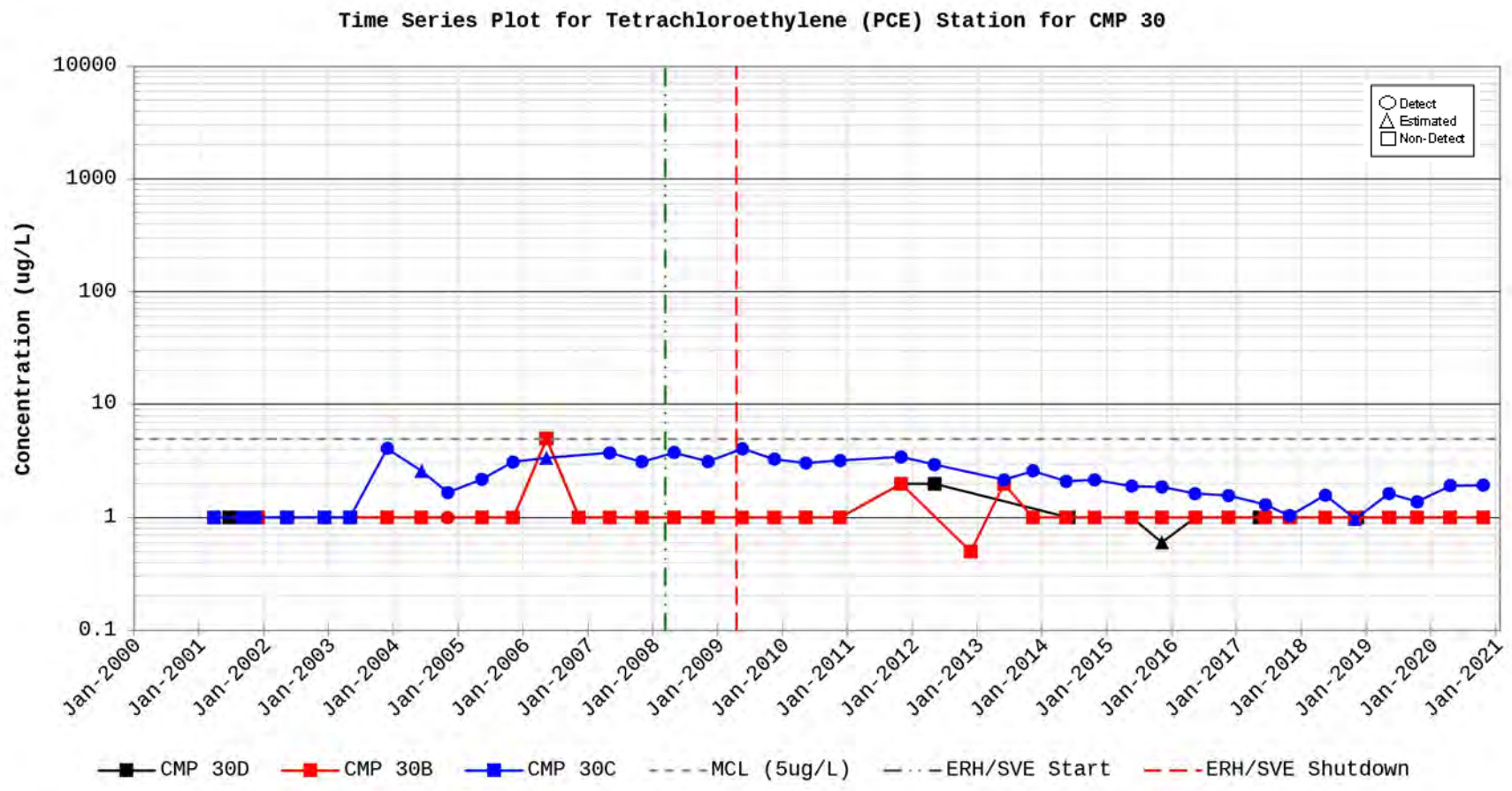

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP 10
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 10D
CMP 10C
CMP 10B
CMP010A
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

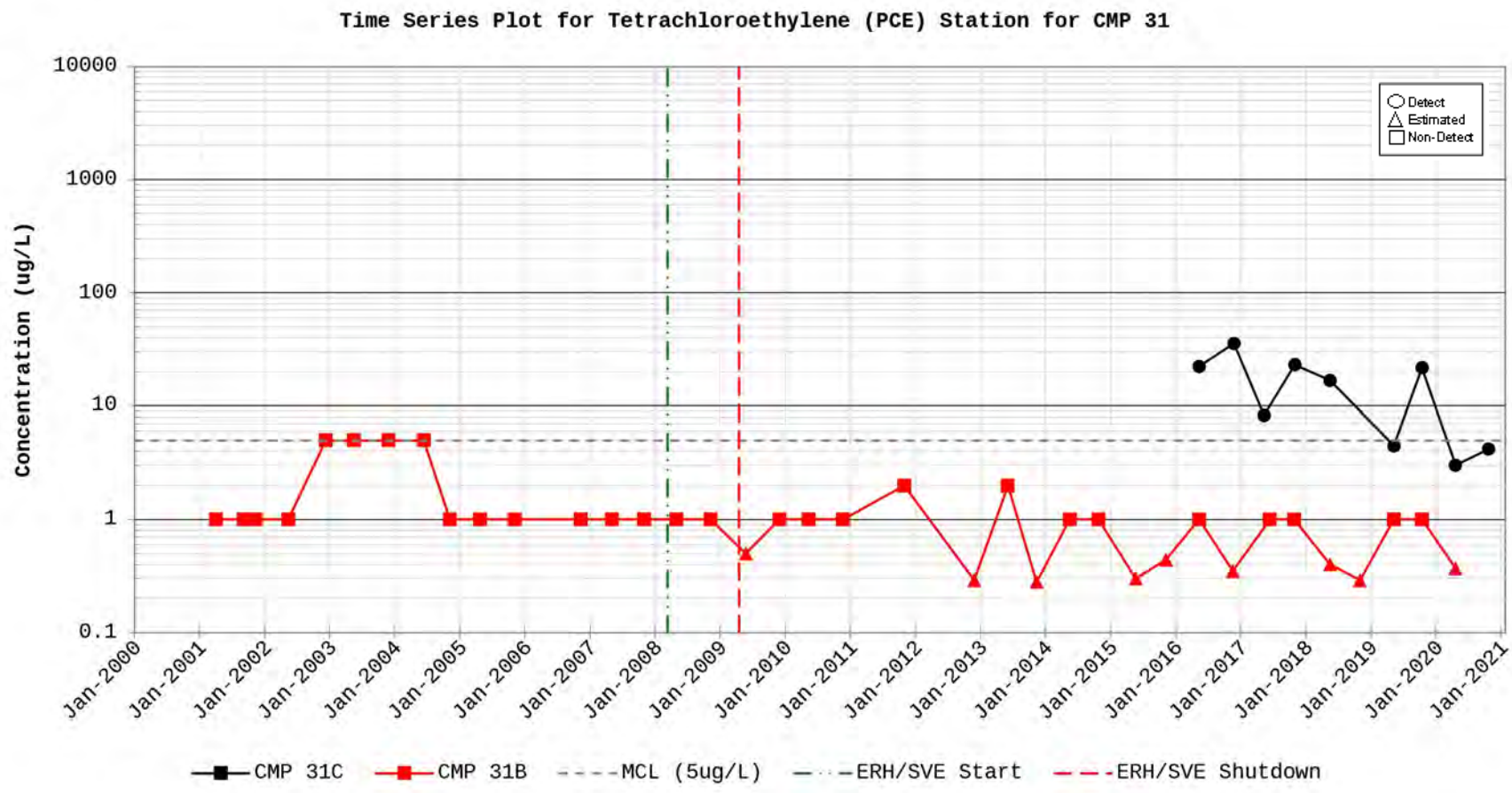

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP 11
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 11D
CMP 11B
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

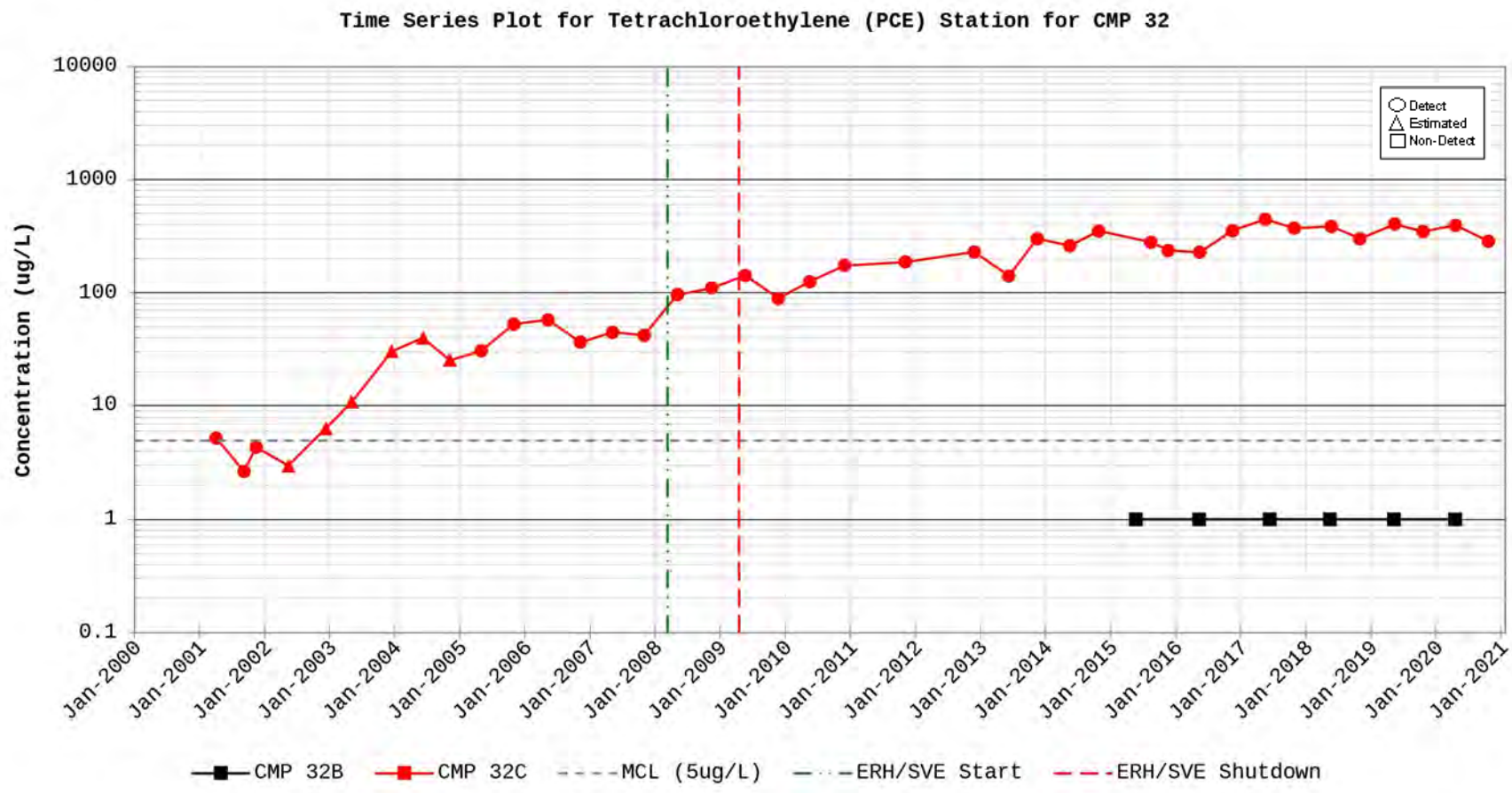

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP 12
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 12A
CMP 12B
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

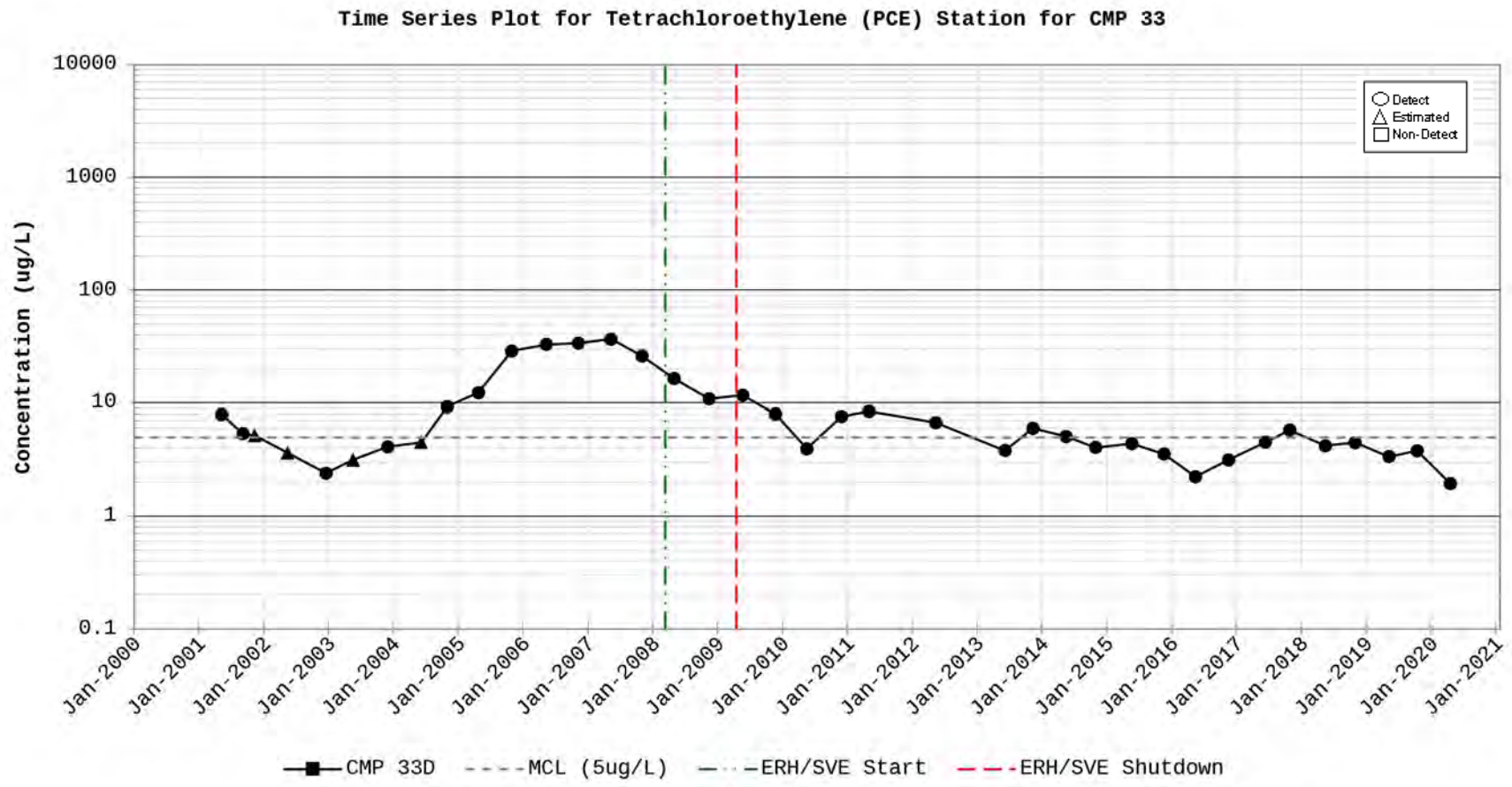

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP 13
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 13D
CMP 13B
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

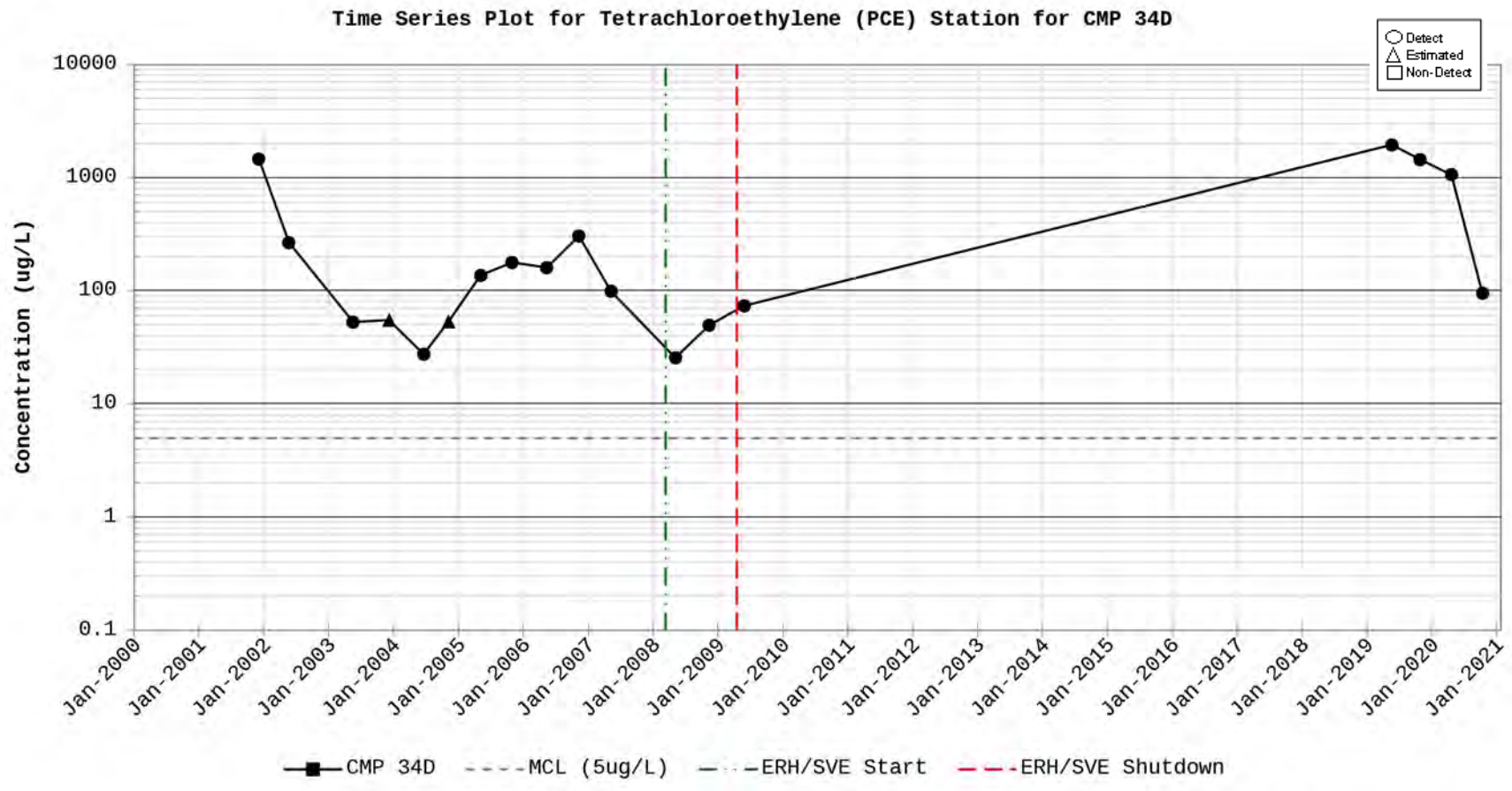

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP 15
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 15A
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

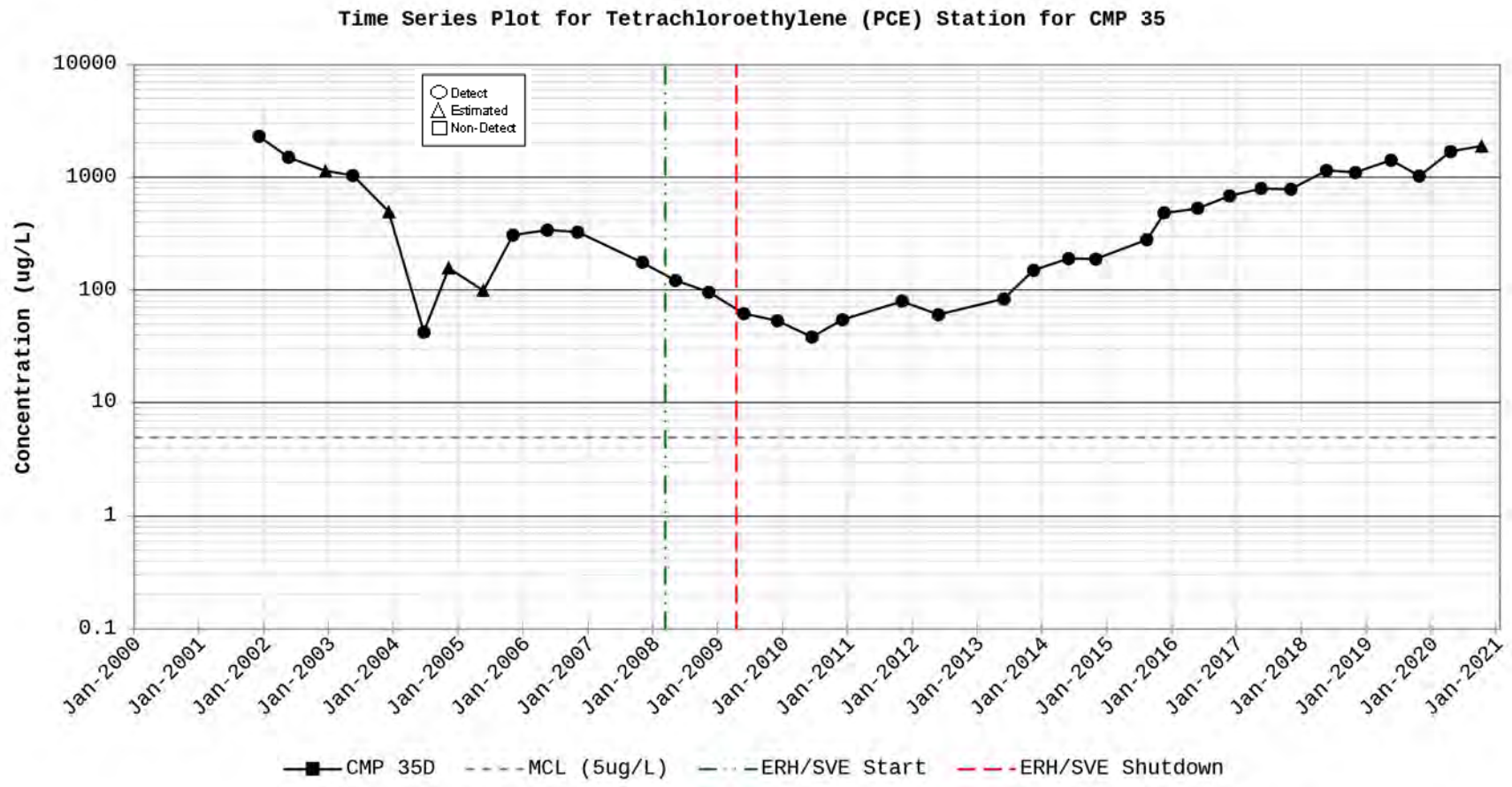

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP 30
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 30D
CMP 30B
CMP 30C
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

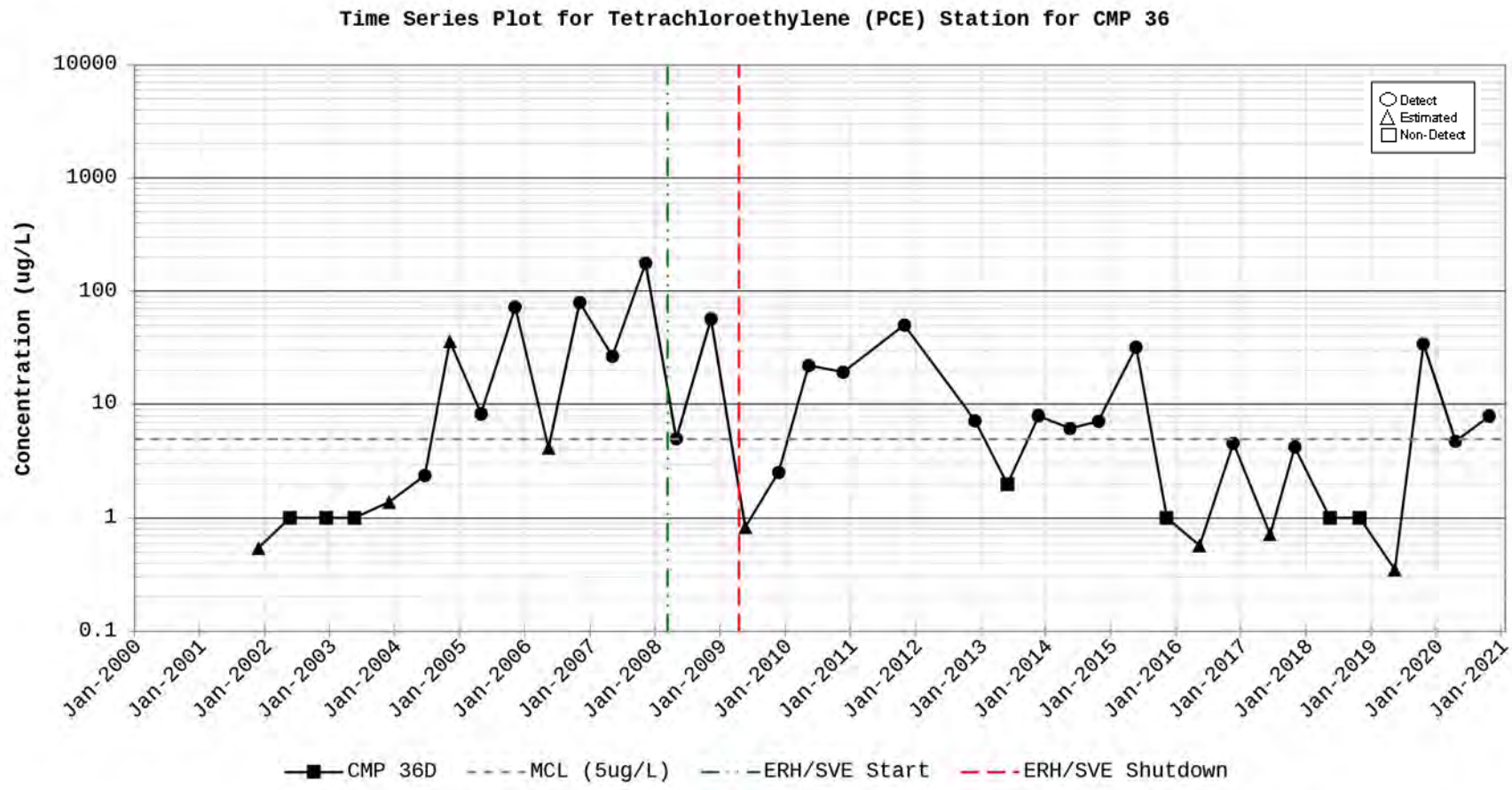

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP 31
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 31C
CMP 31B
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

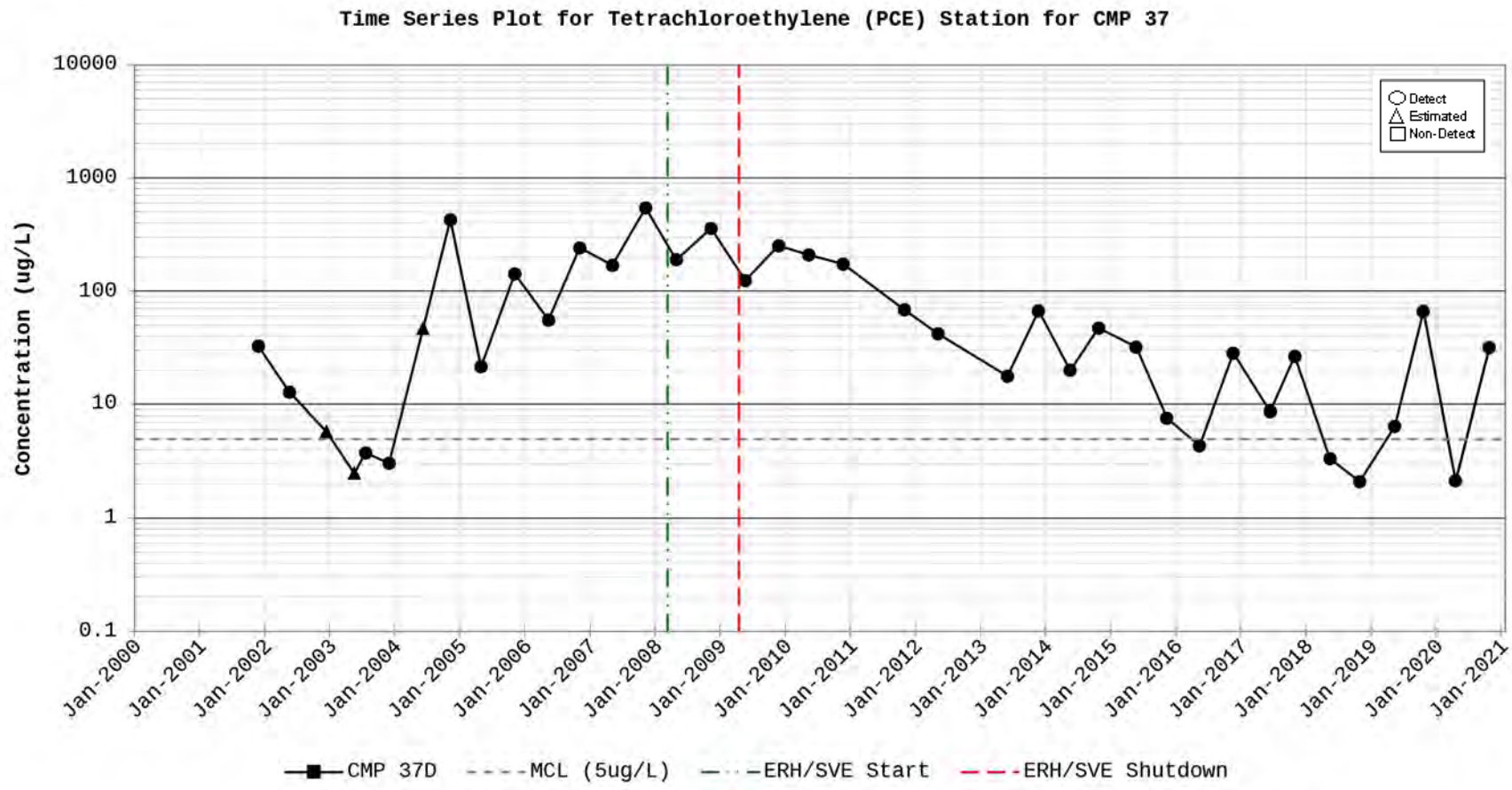

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP 32
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 32B
CMP 32C
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

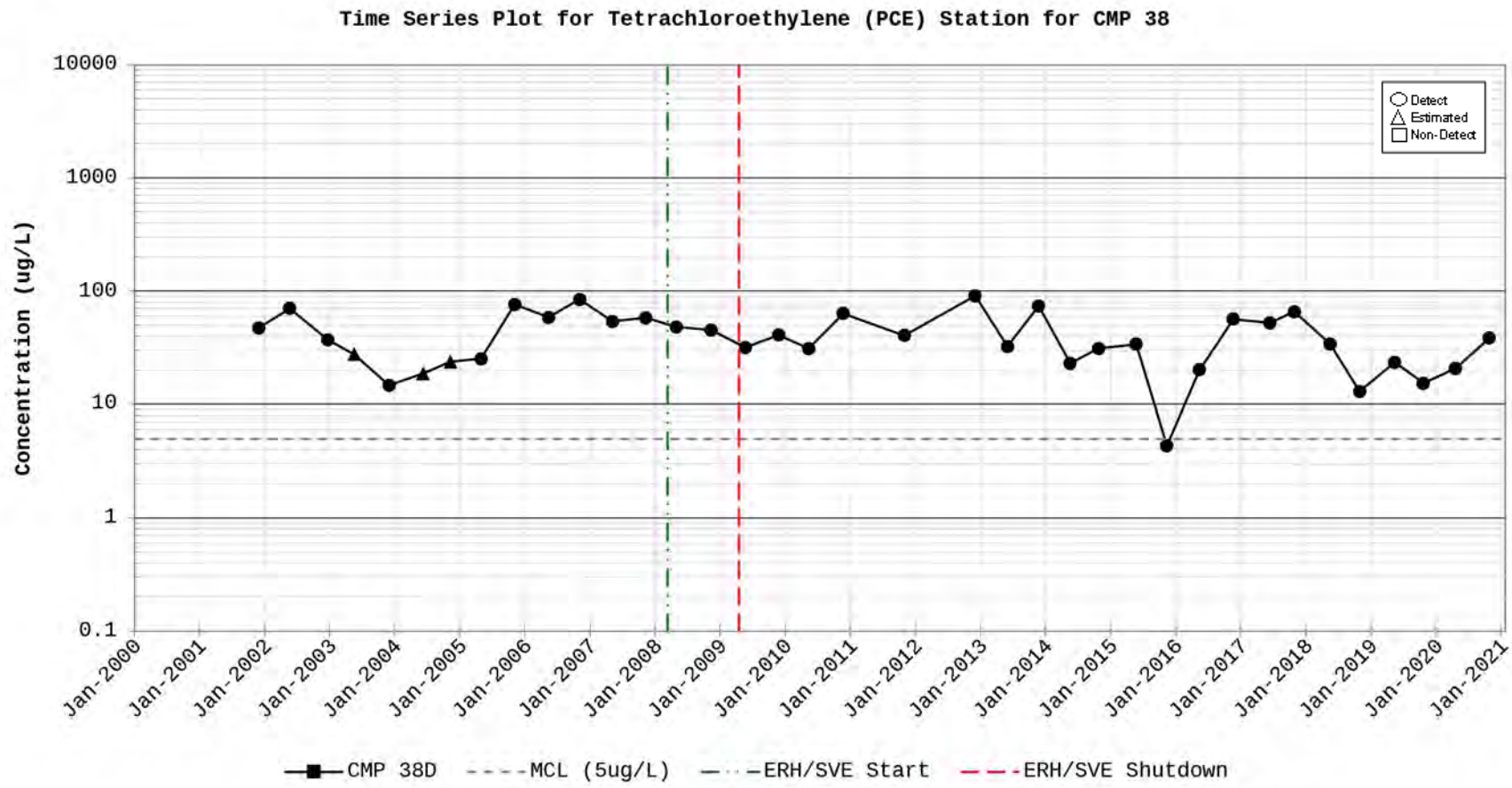

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP 33
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 33D
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

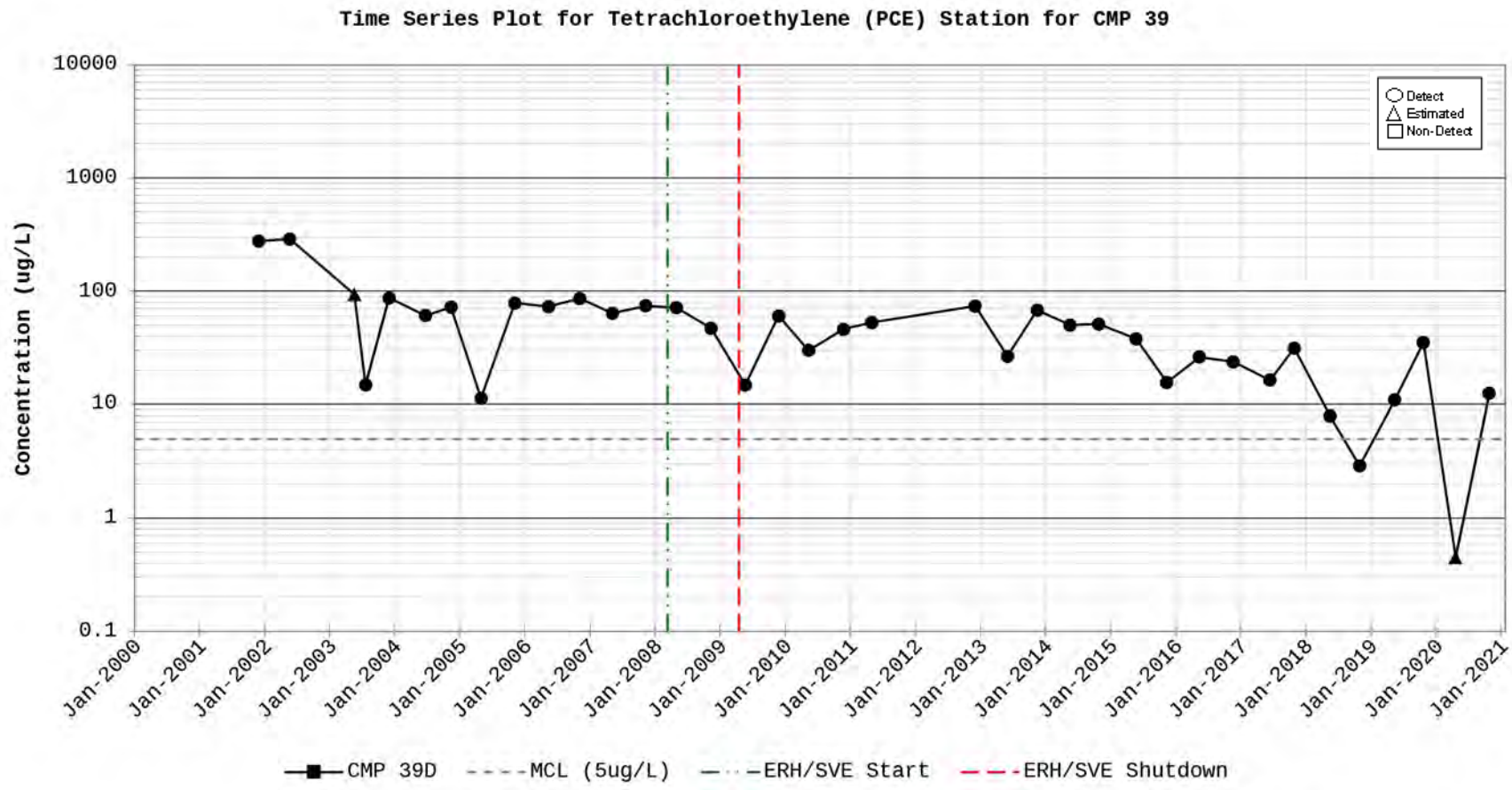

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP 34D
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 34D
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

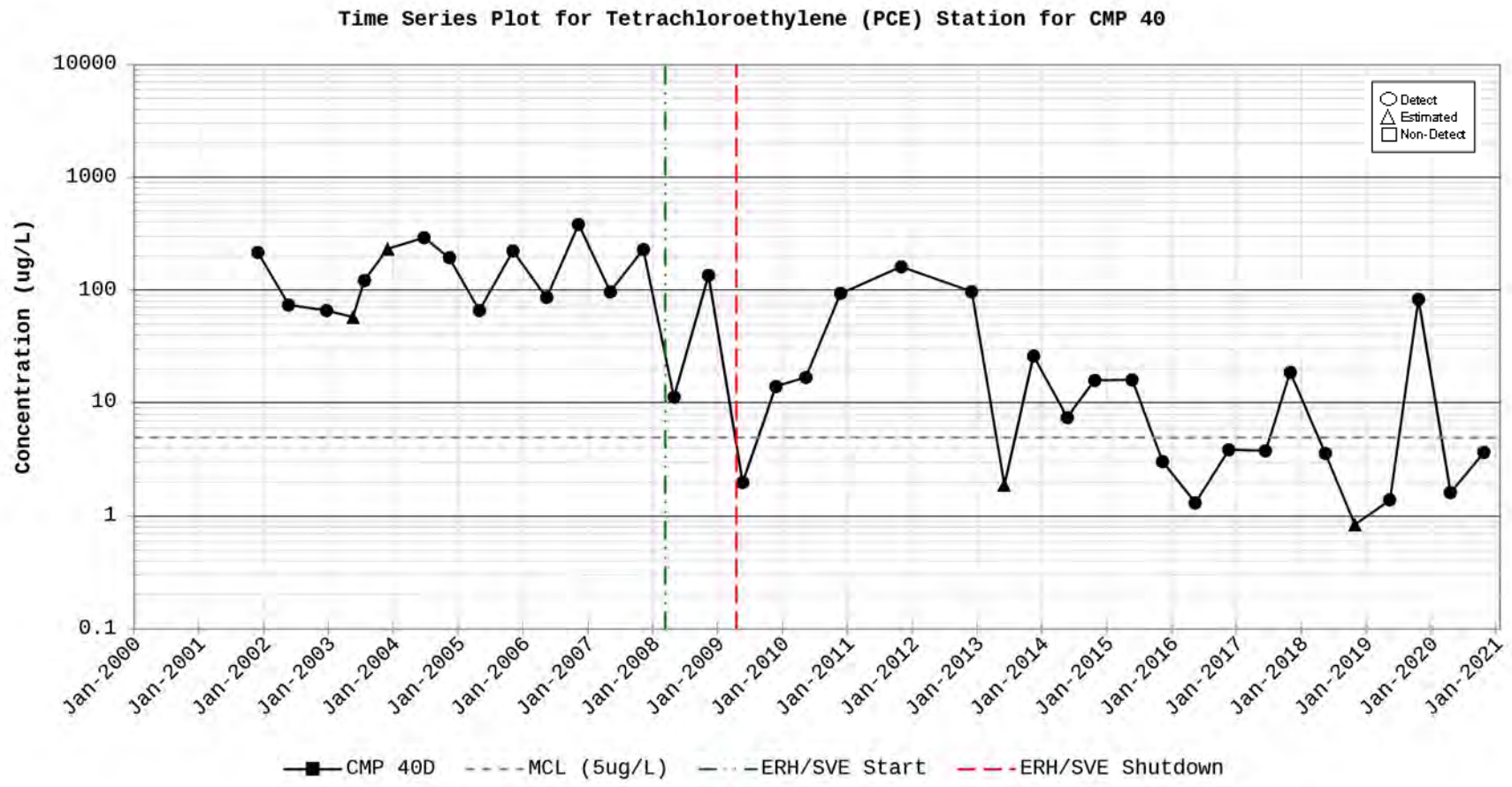

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP 35
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 35D
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

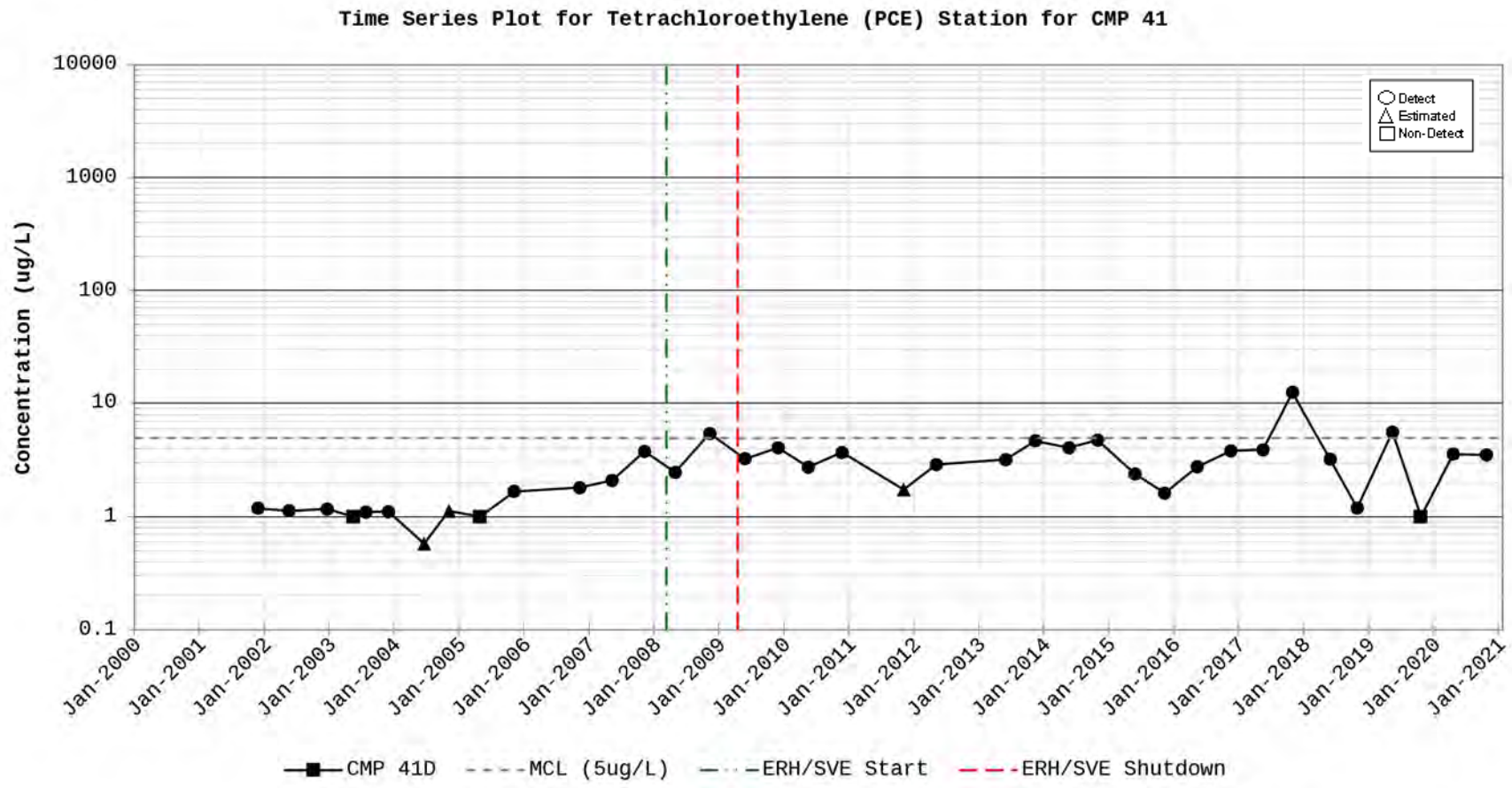

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP 36
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 36D
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

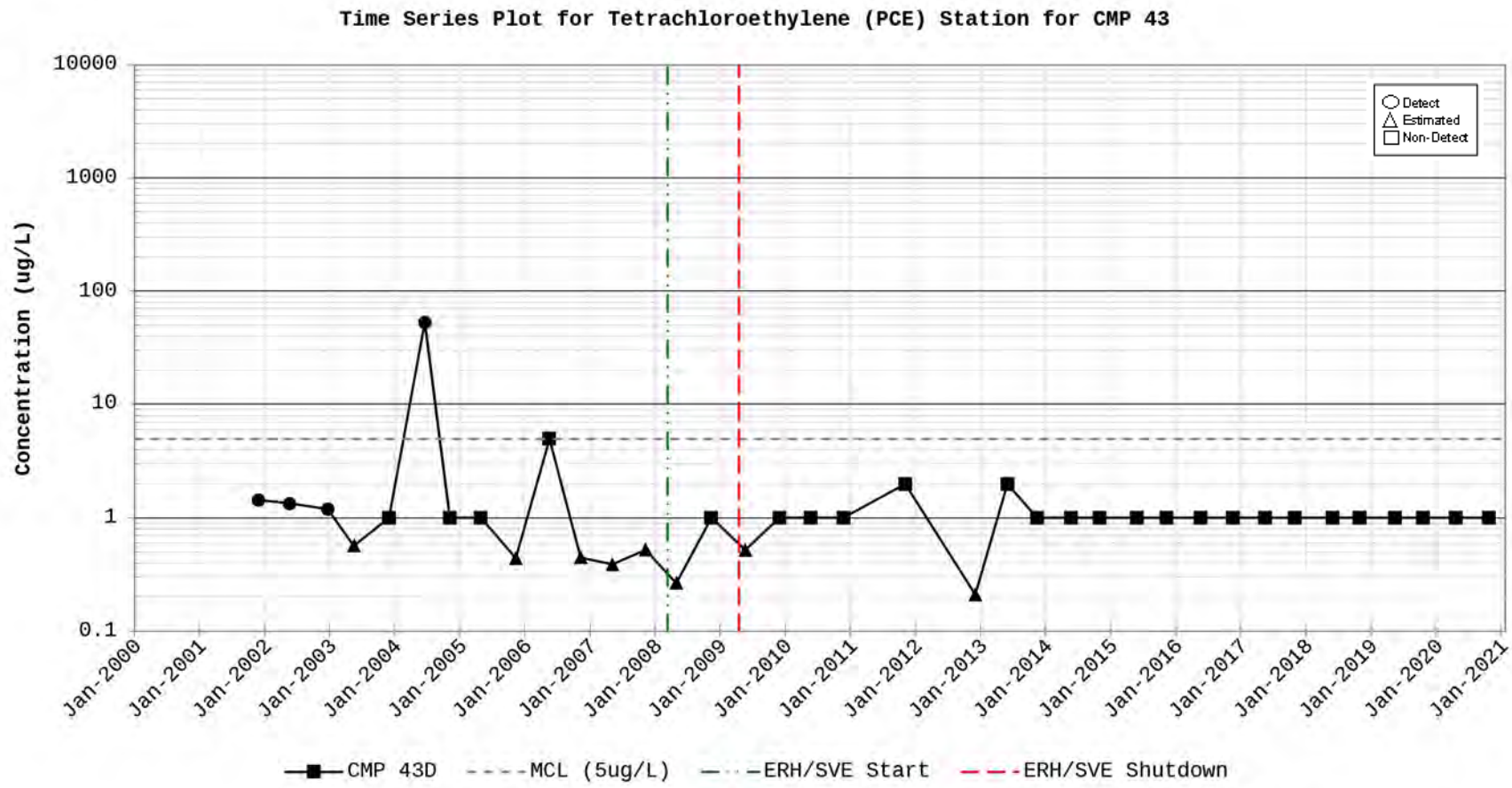

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP 37
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 37D
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

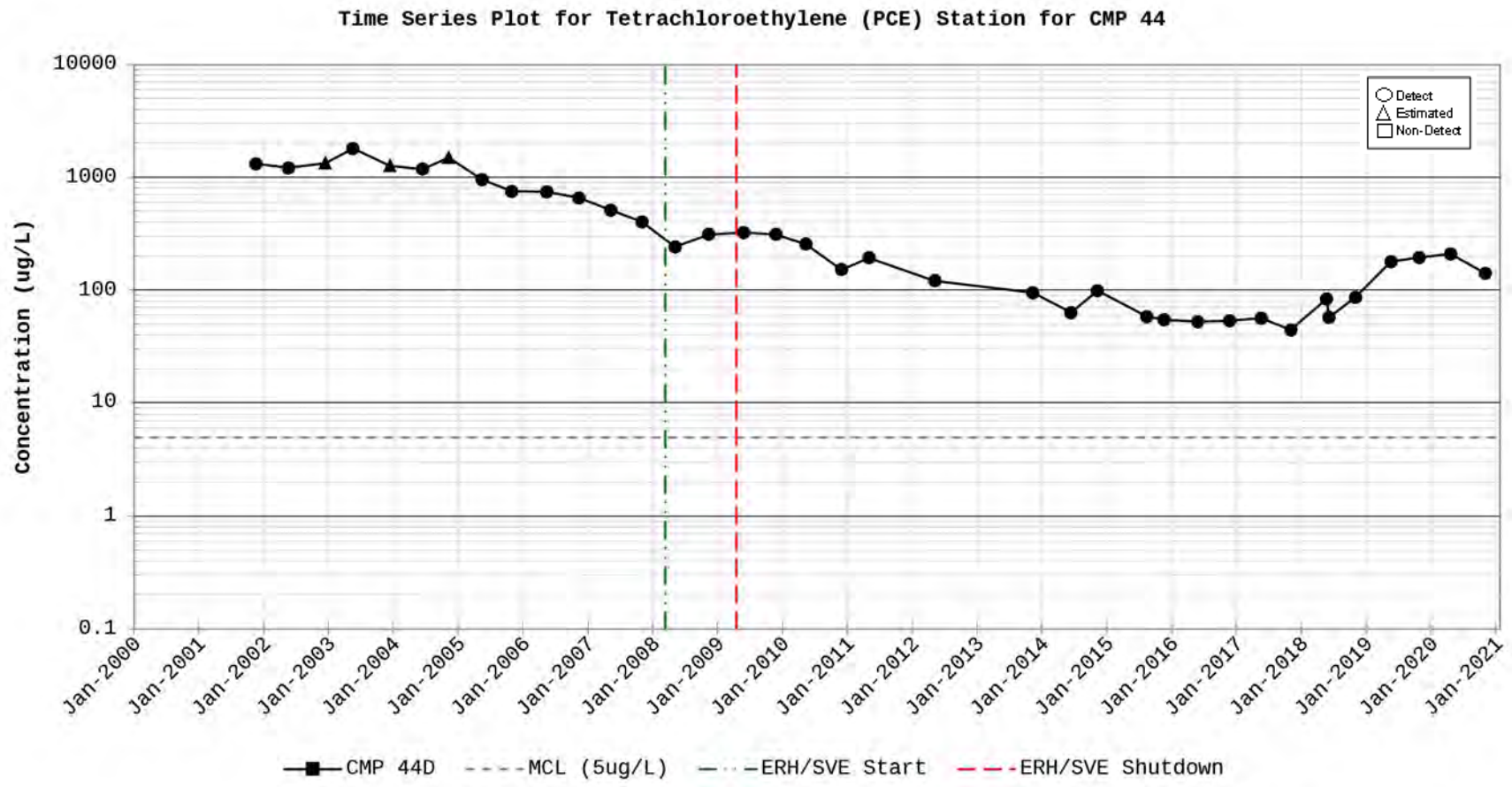

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP 38
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 38D
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

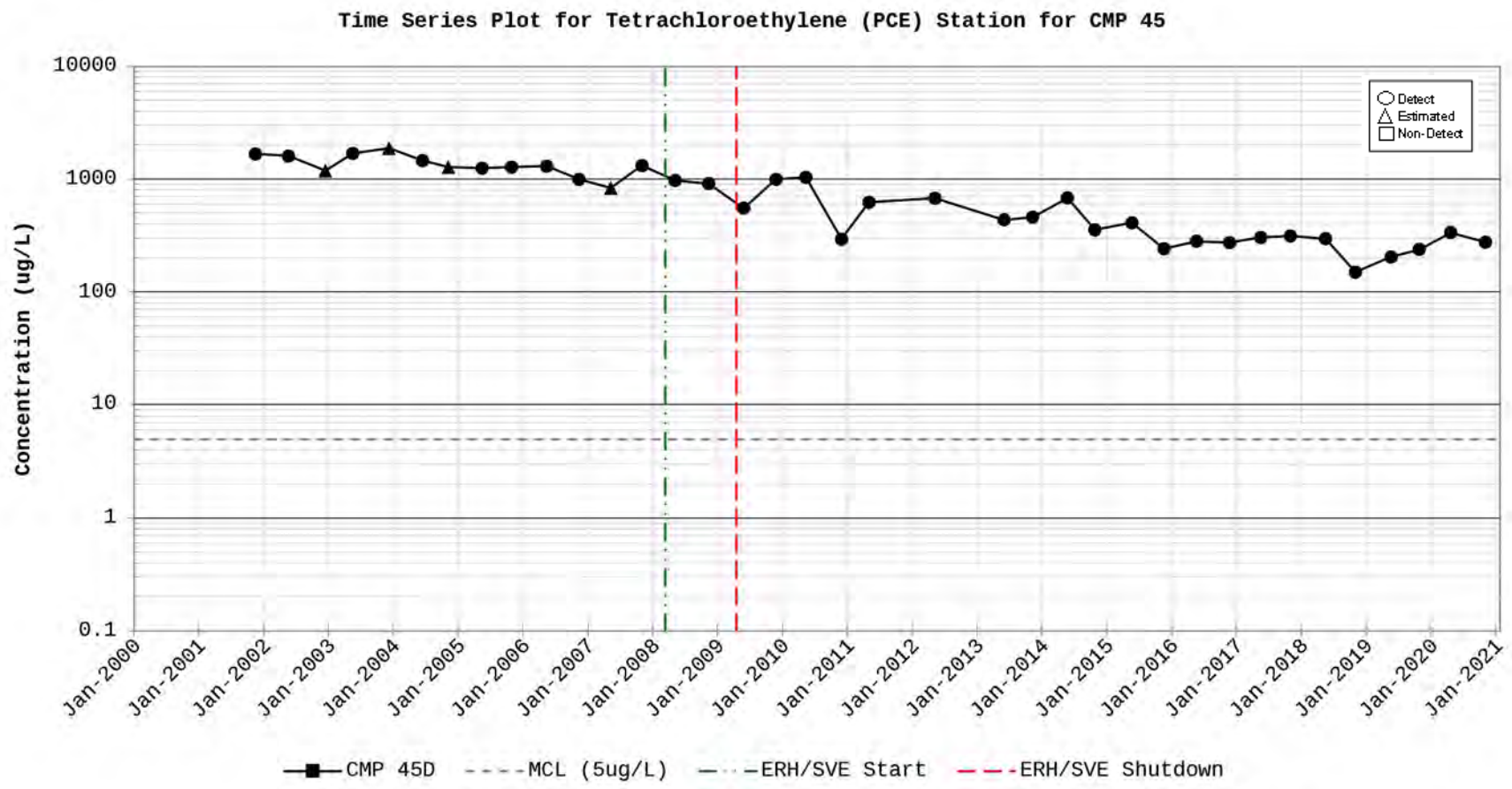

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP 39
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 39D
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

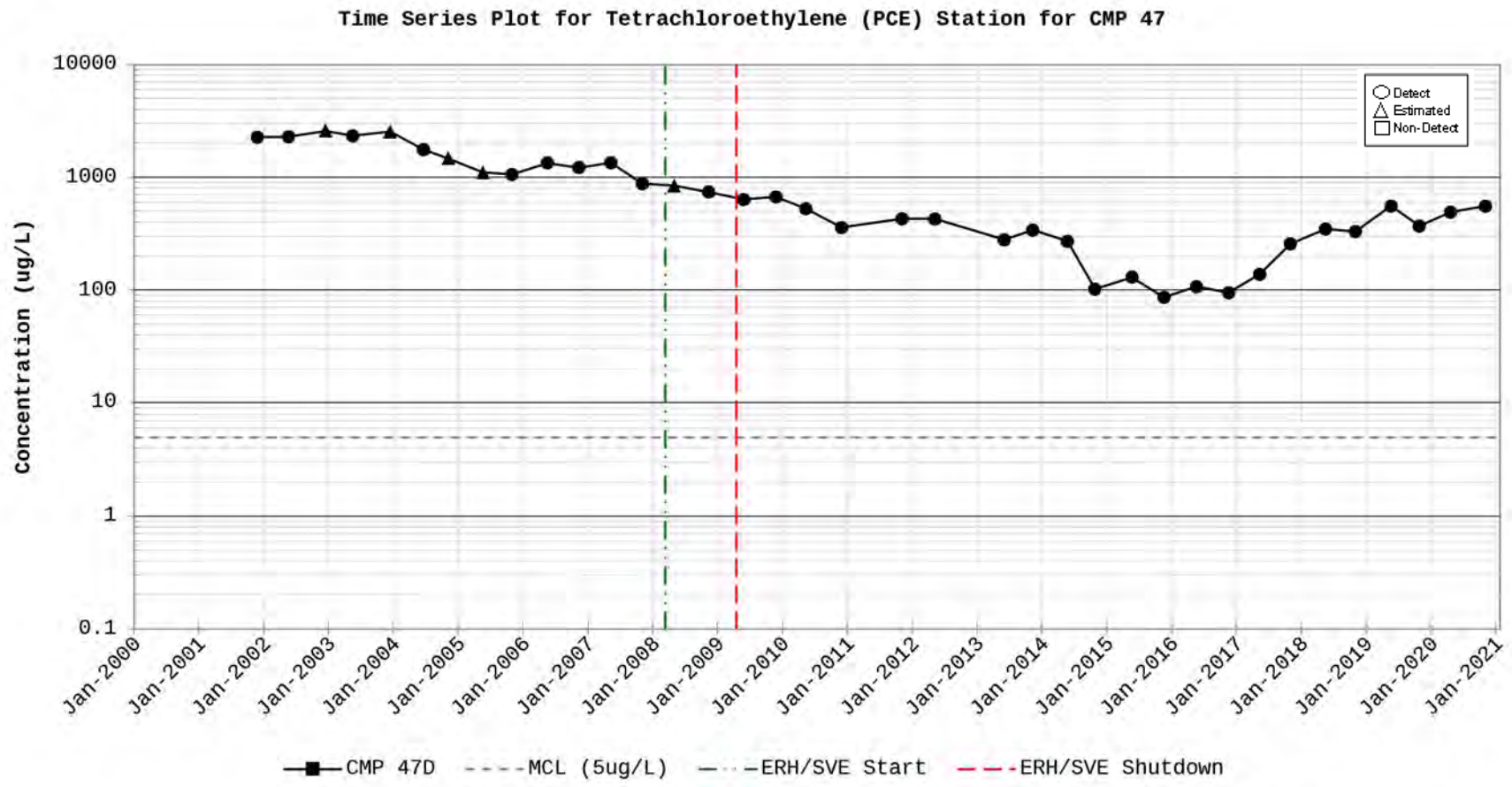

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP 40
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 40D
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

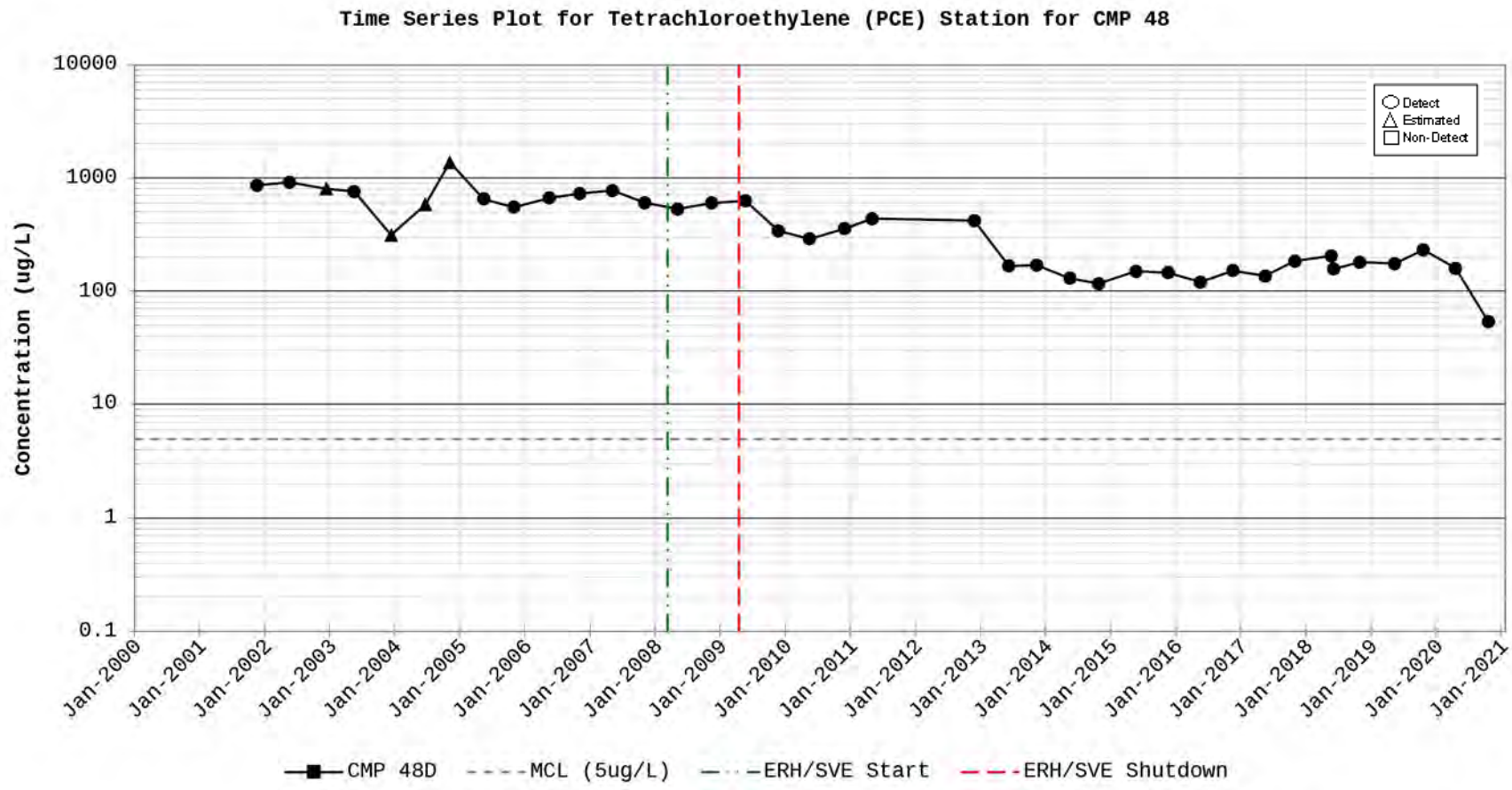

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP 41
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 41D
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

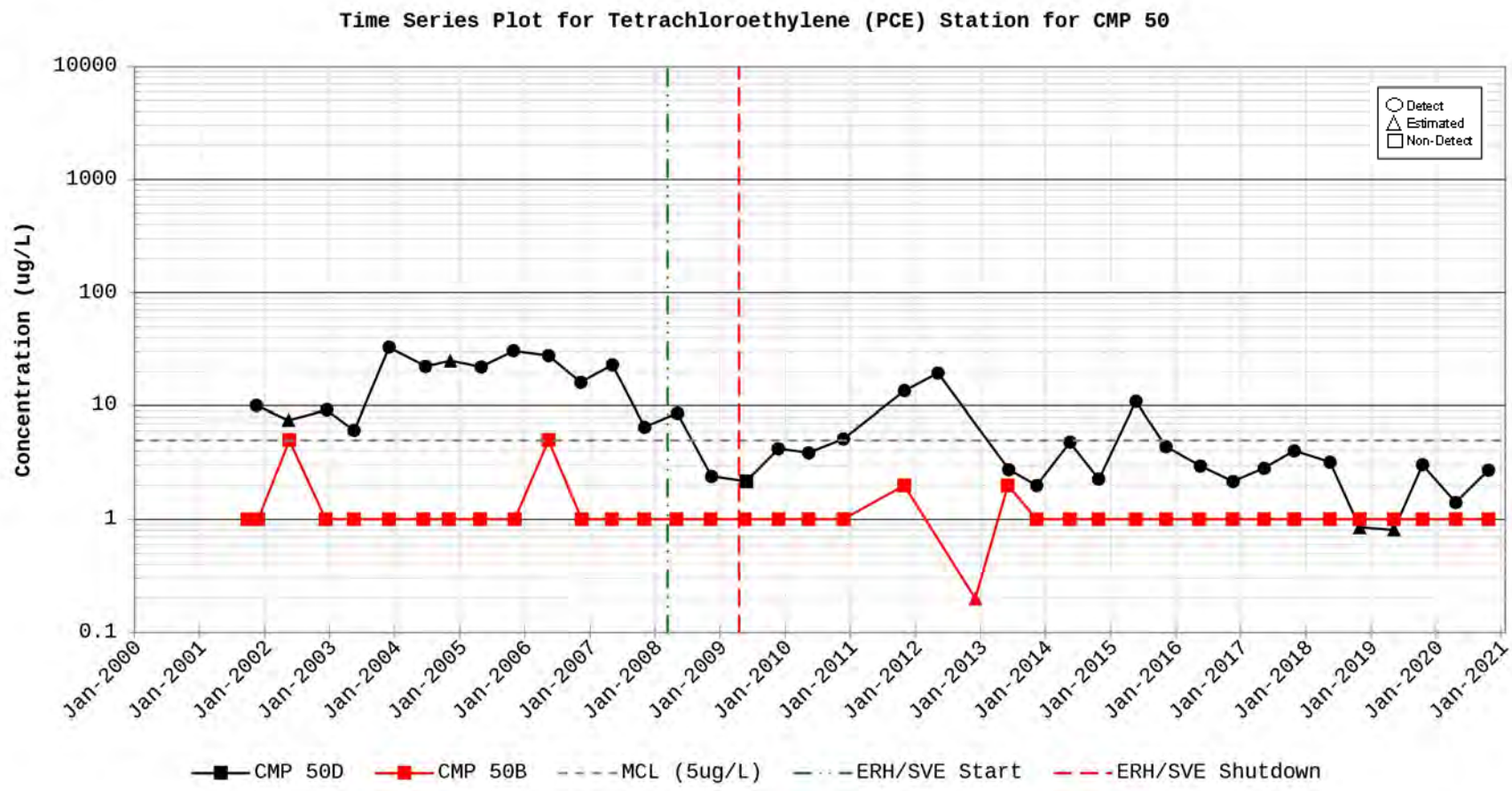

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP 43
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 43D
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

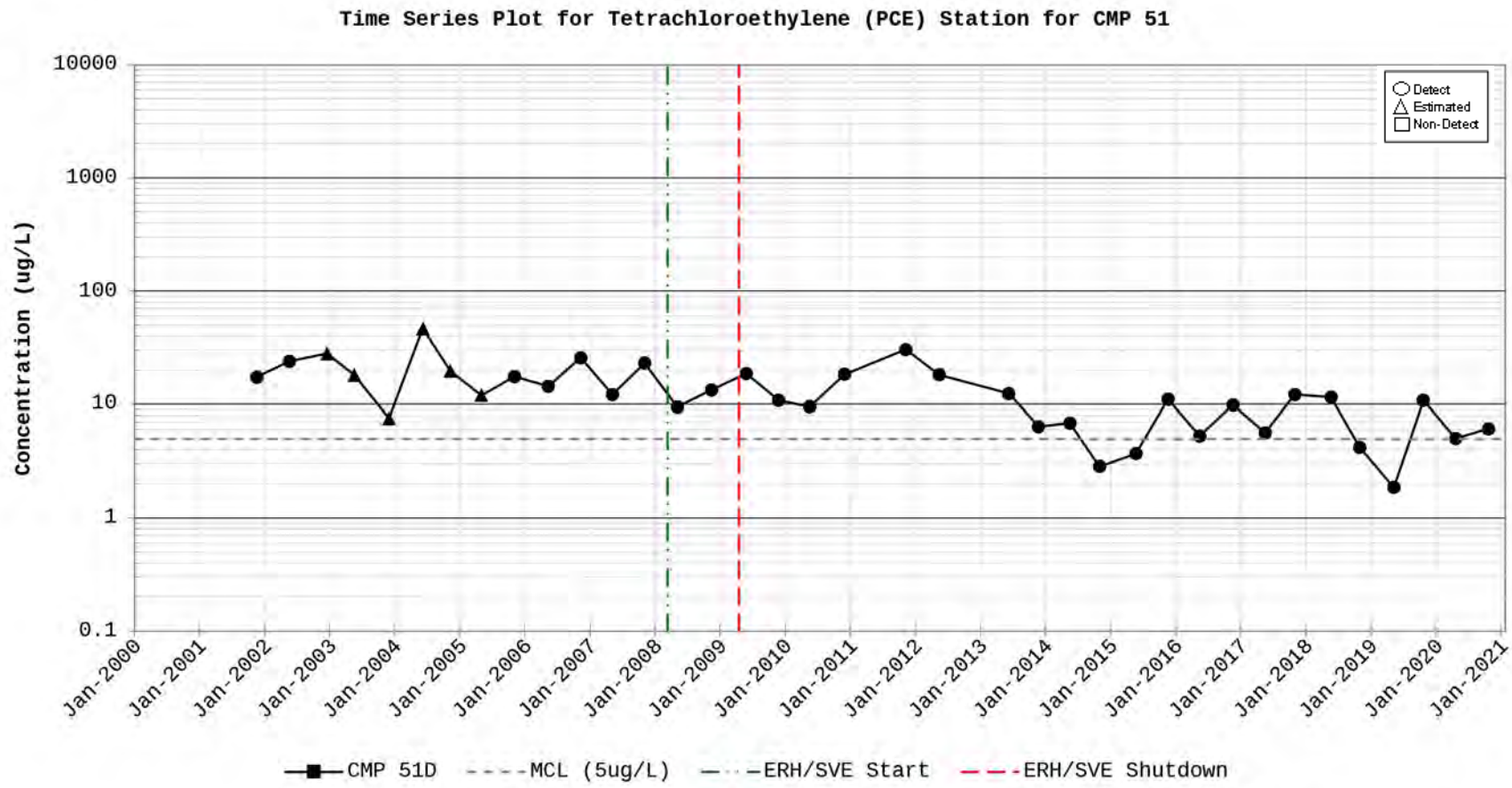

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP 44
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 44D
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

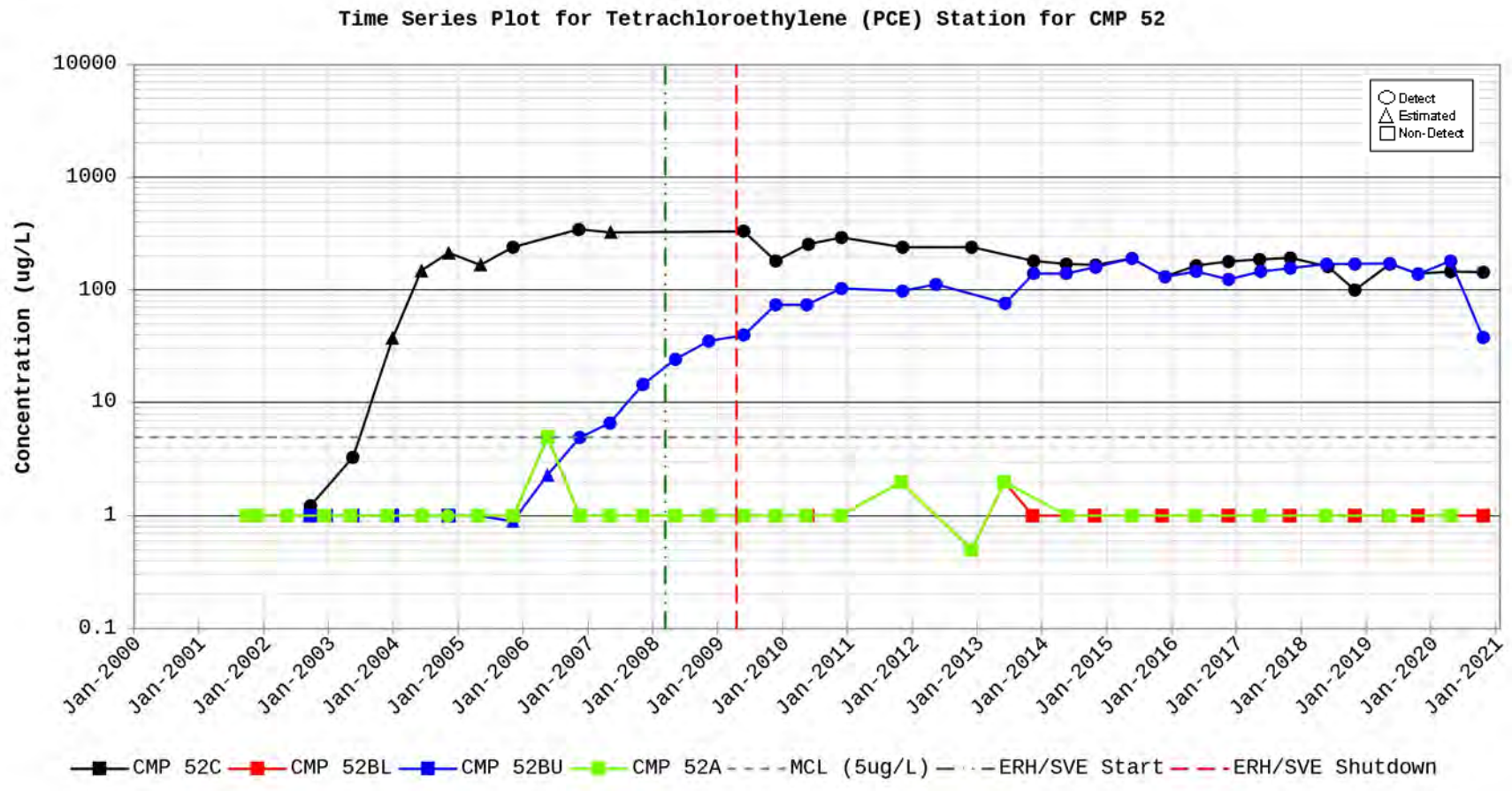

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP 45
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 45D
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

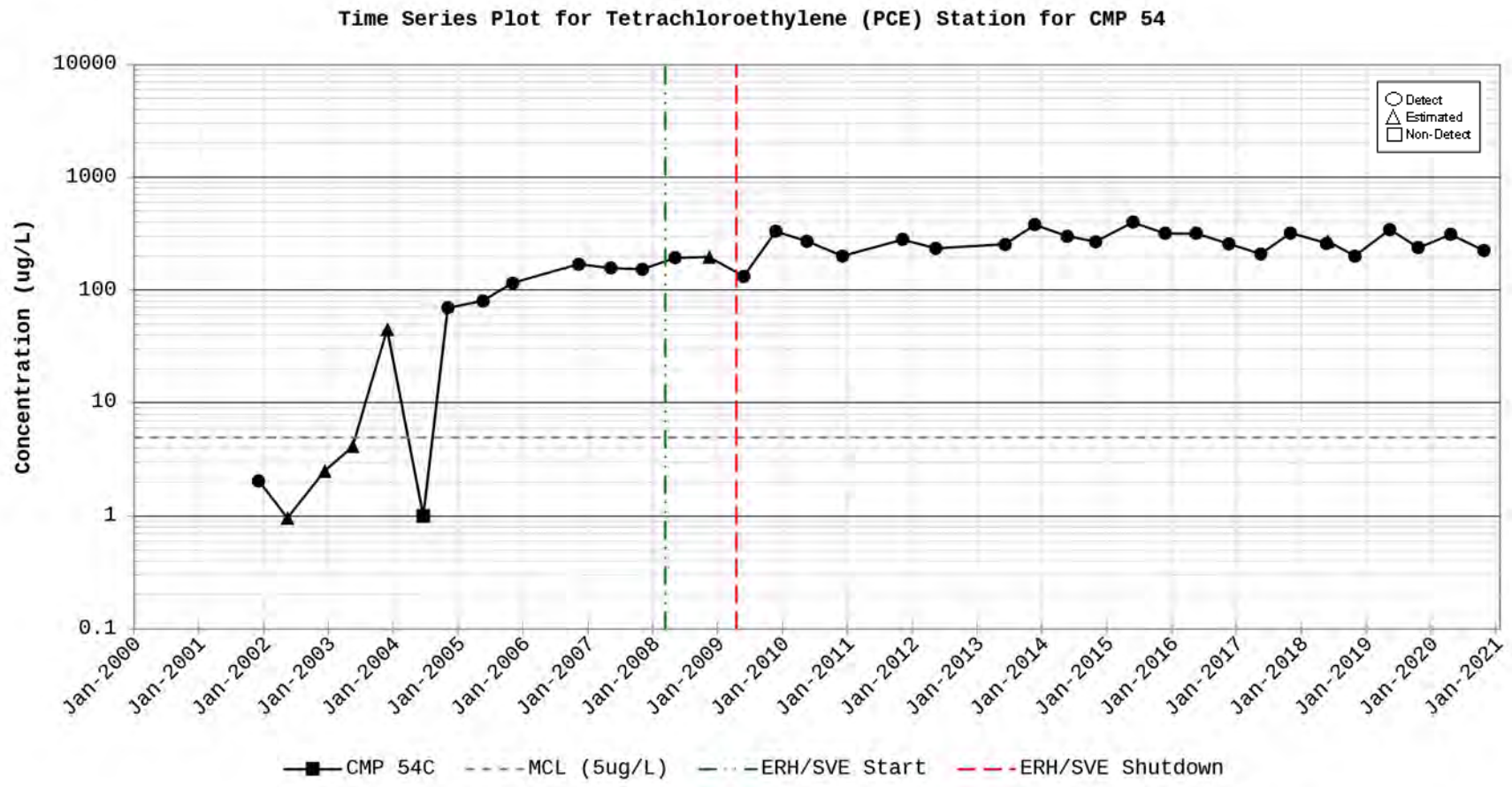

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP 47
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 47D
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

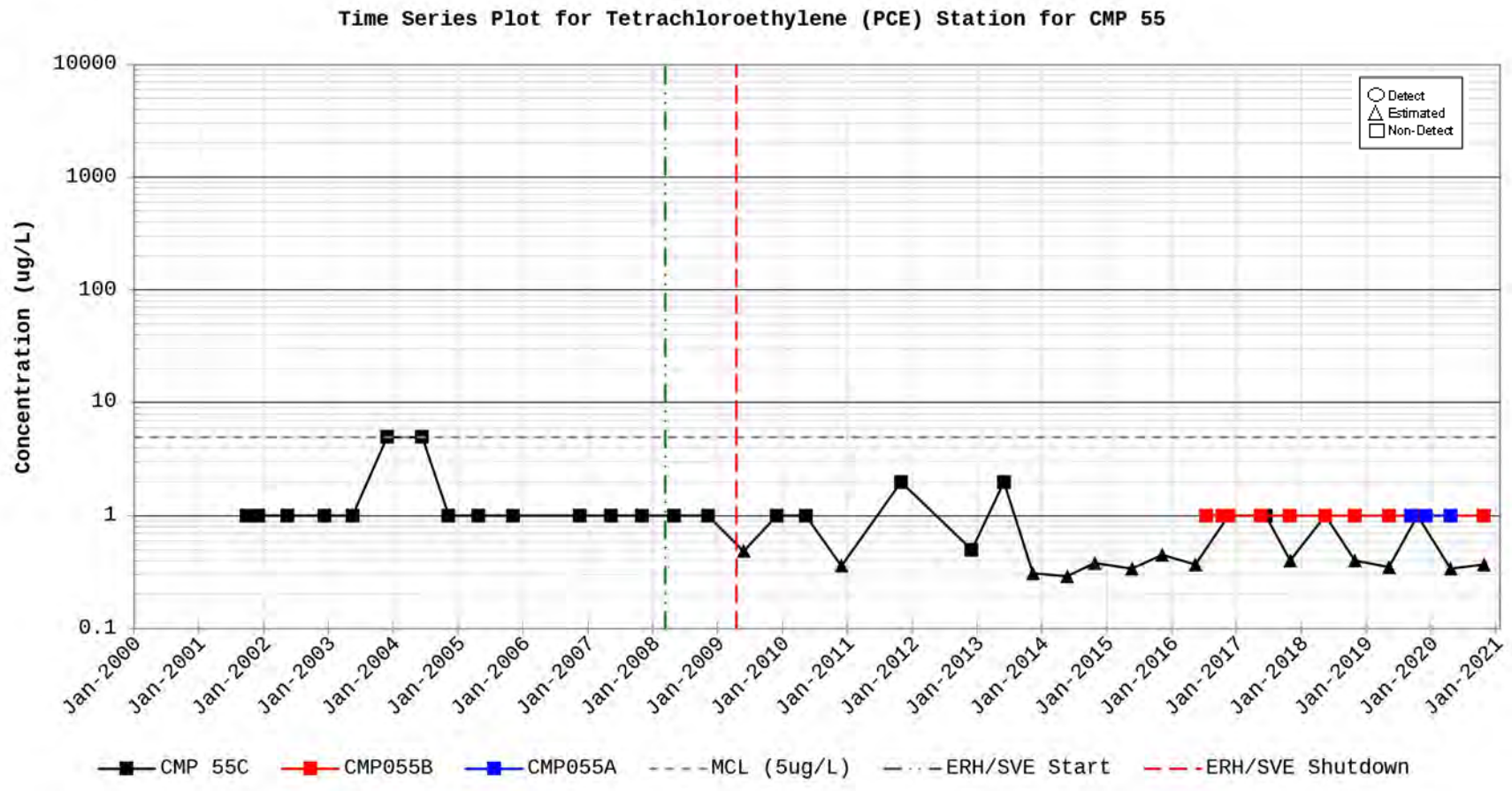

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP 48
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 48D
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

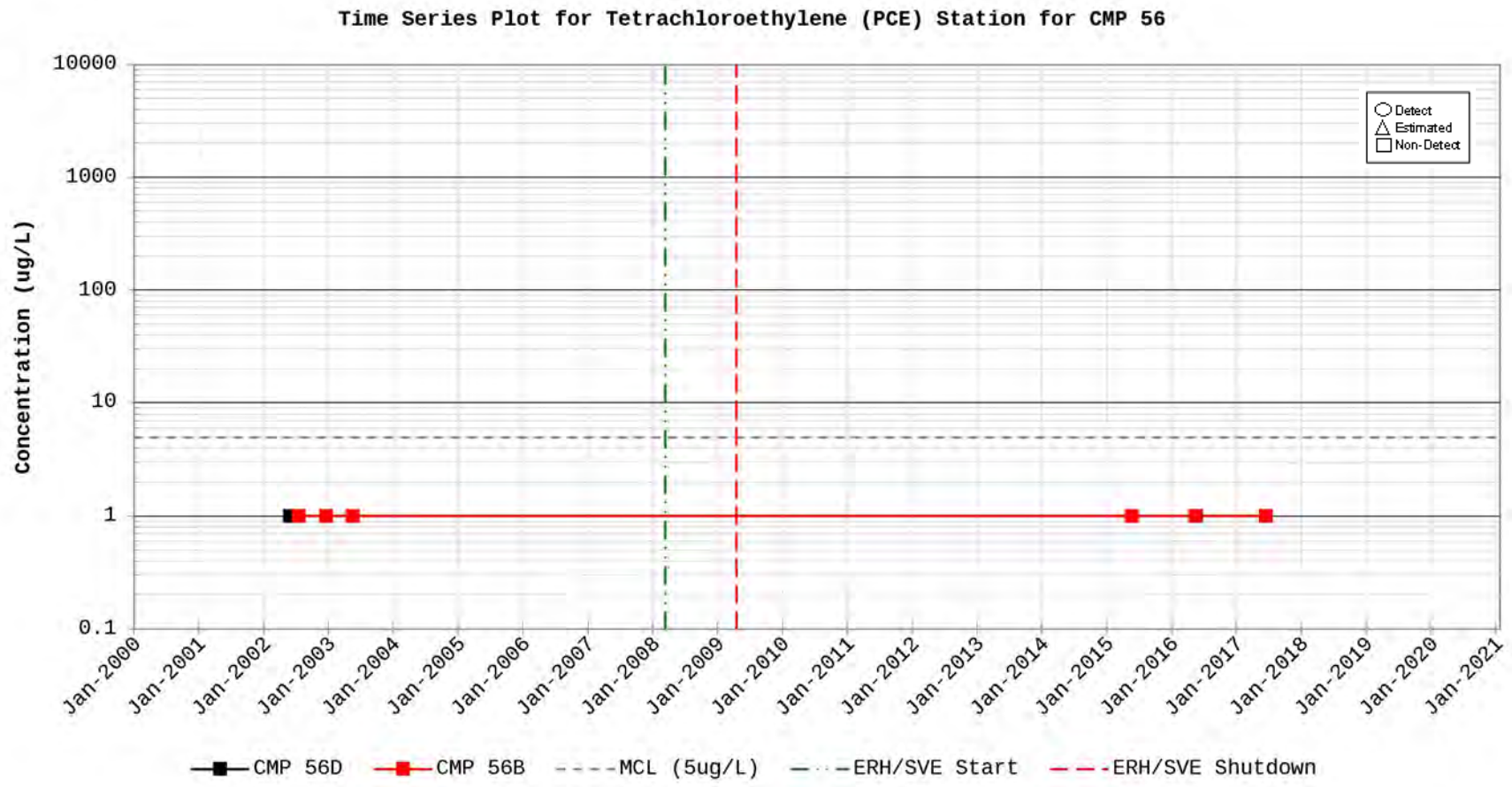

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP 50
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 50D
CMP 50B
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

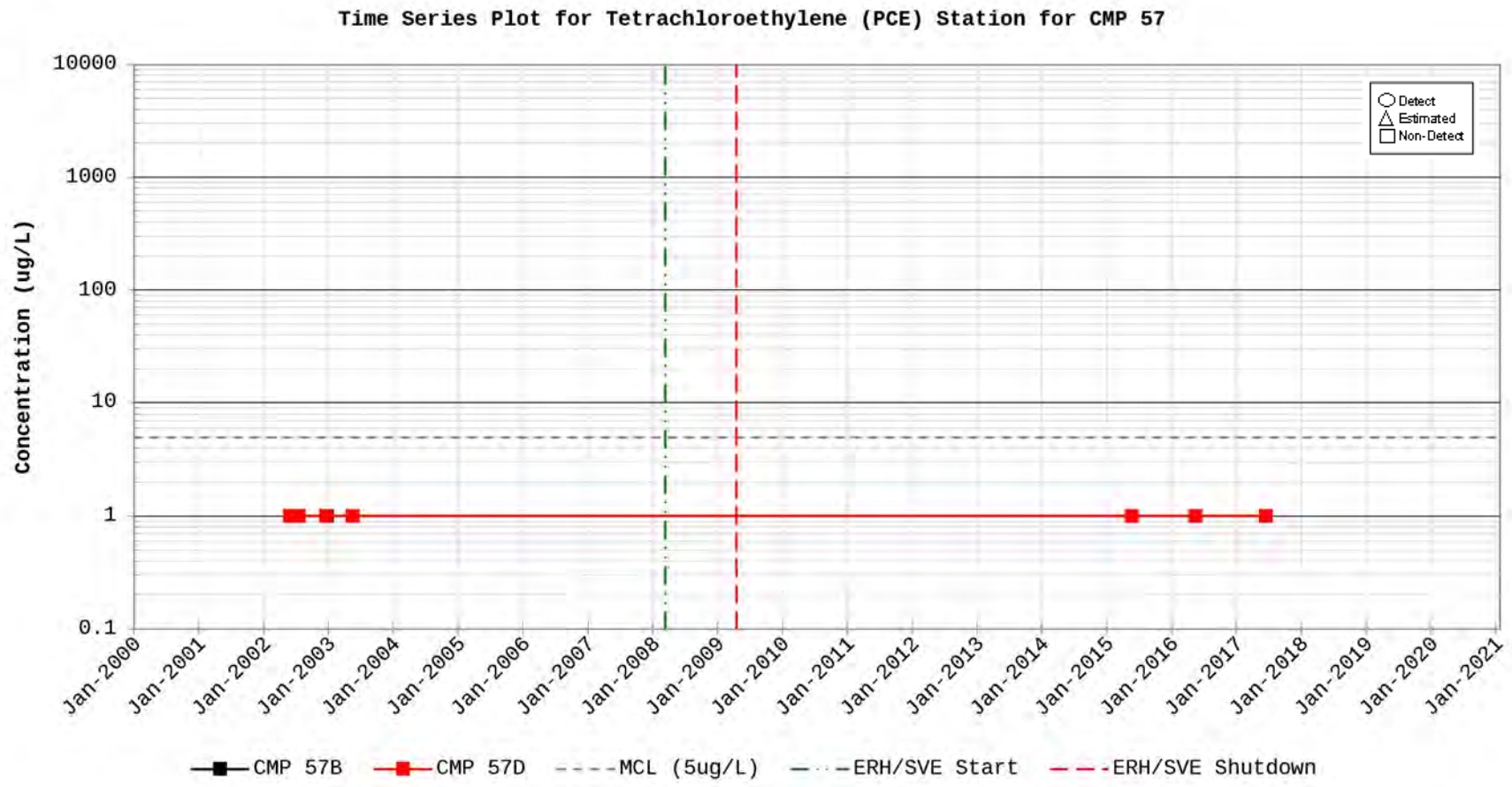

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP 51
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 51D
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

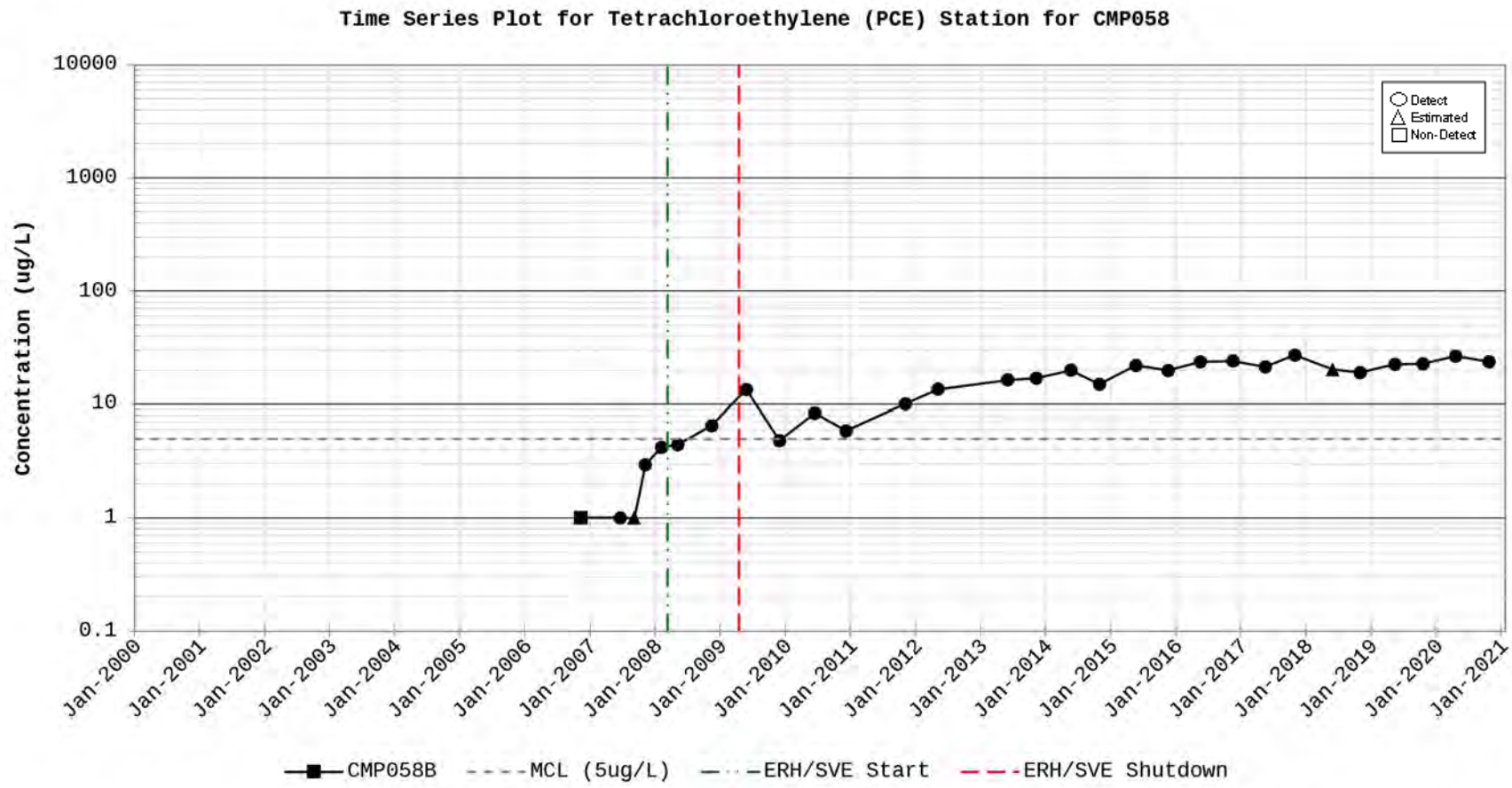

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP 52
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 52C
CMP 52BL
CMP 52BU
CMP 52A
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

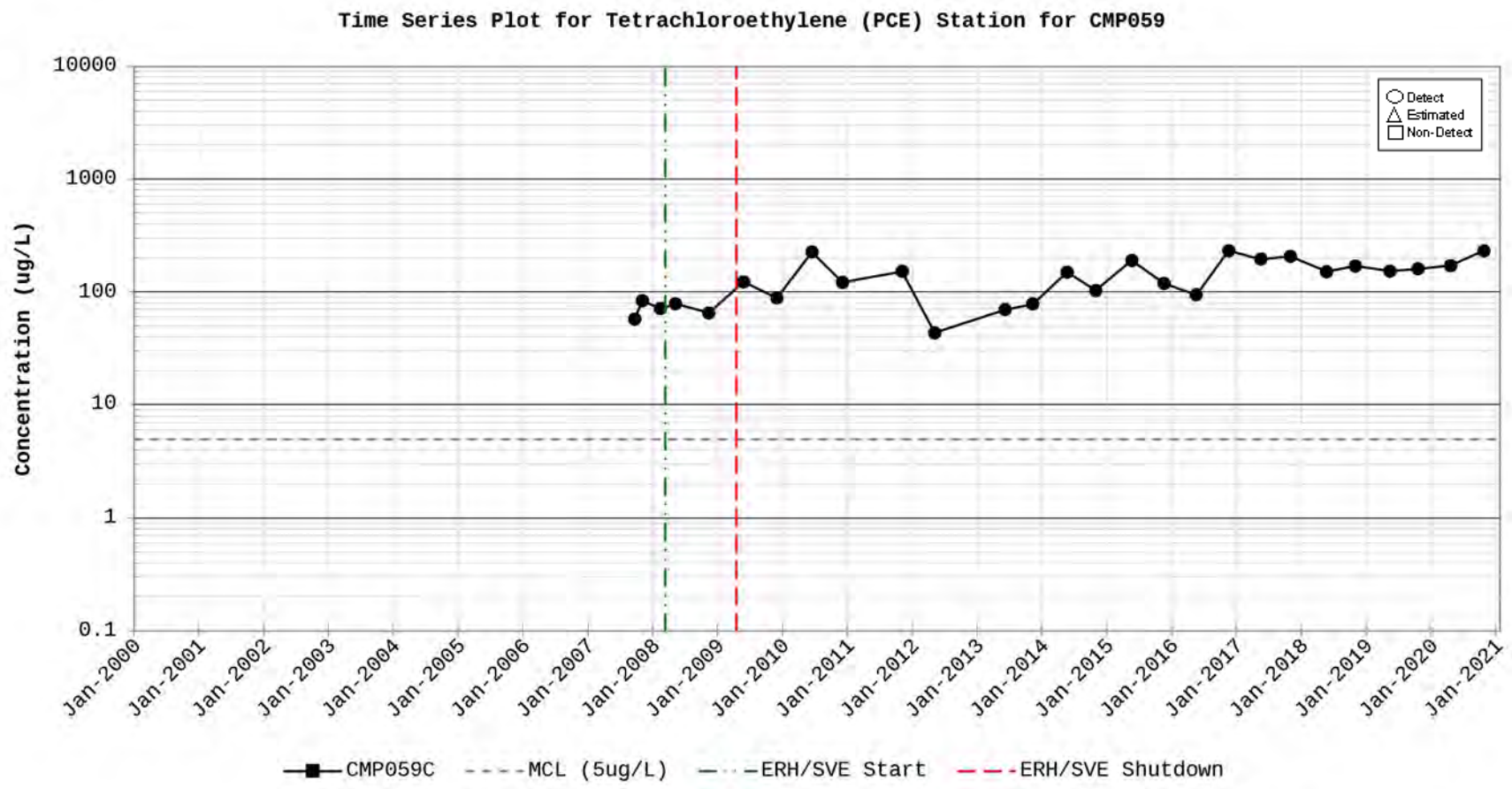

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP 54
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 54C
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

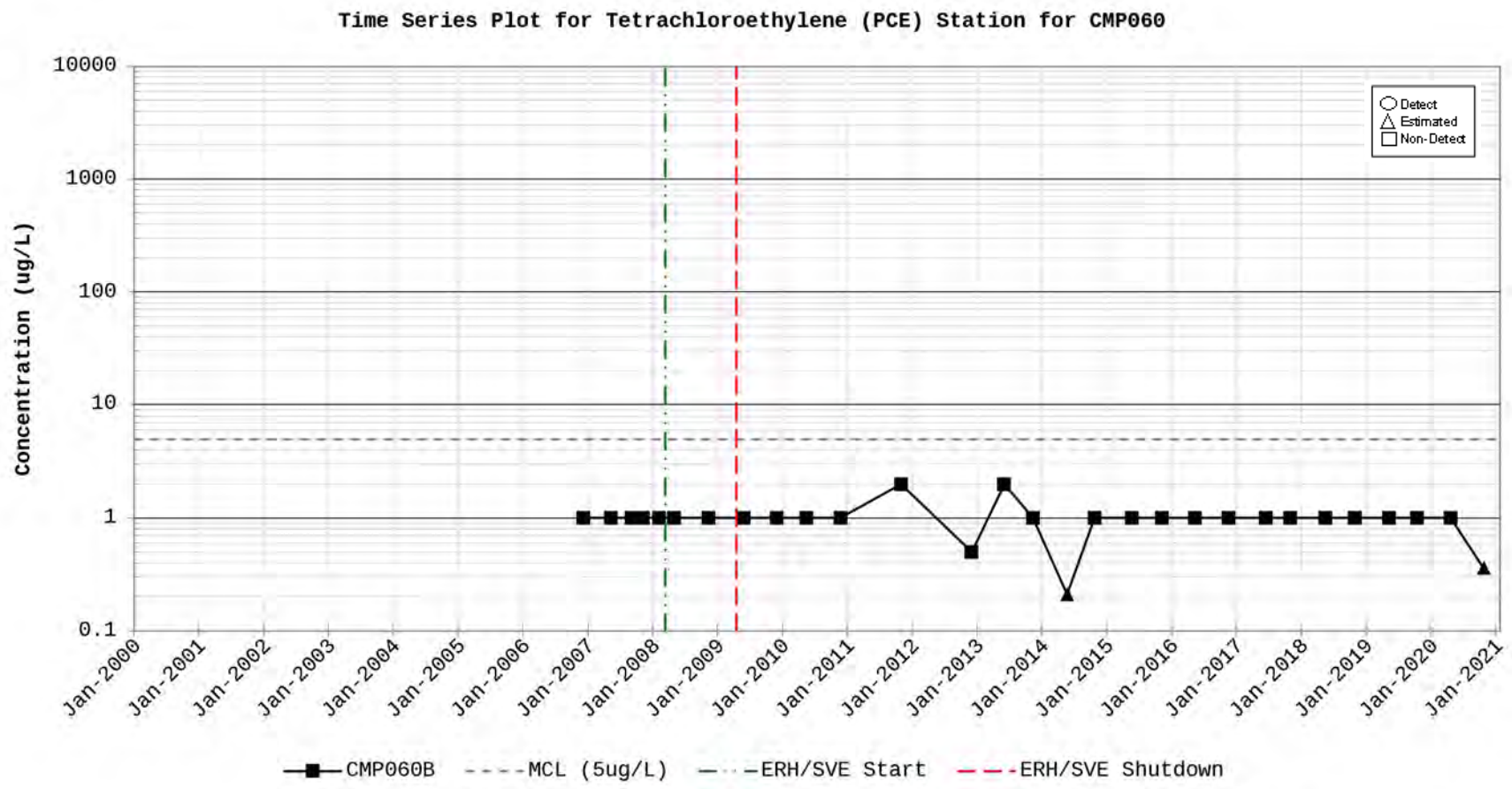

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP 55
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 55C
CMP055B
CMP055A
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

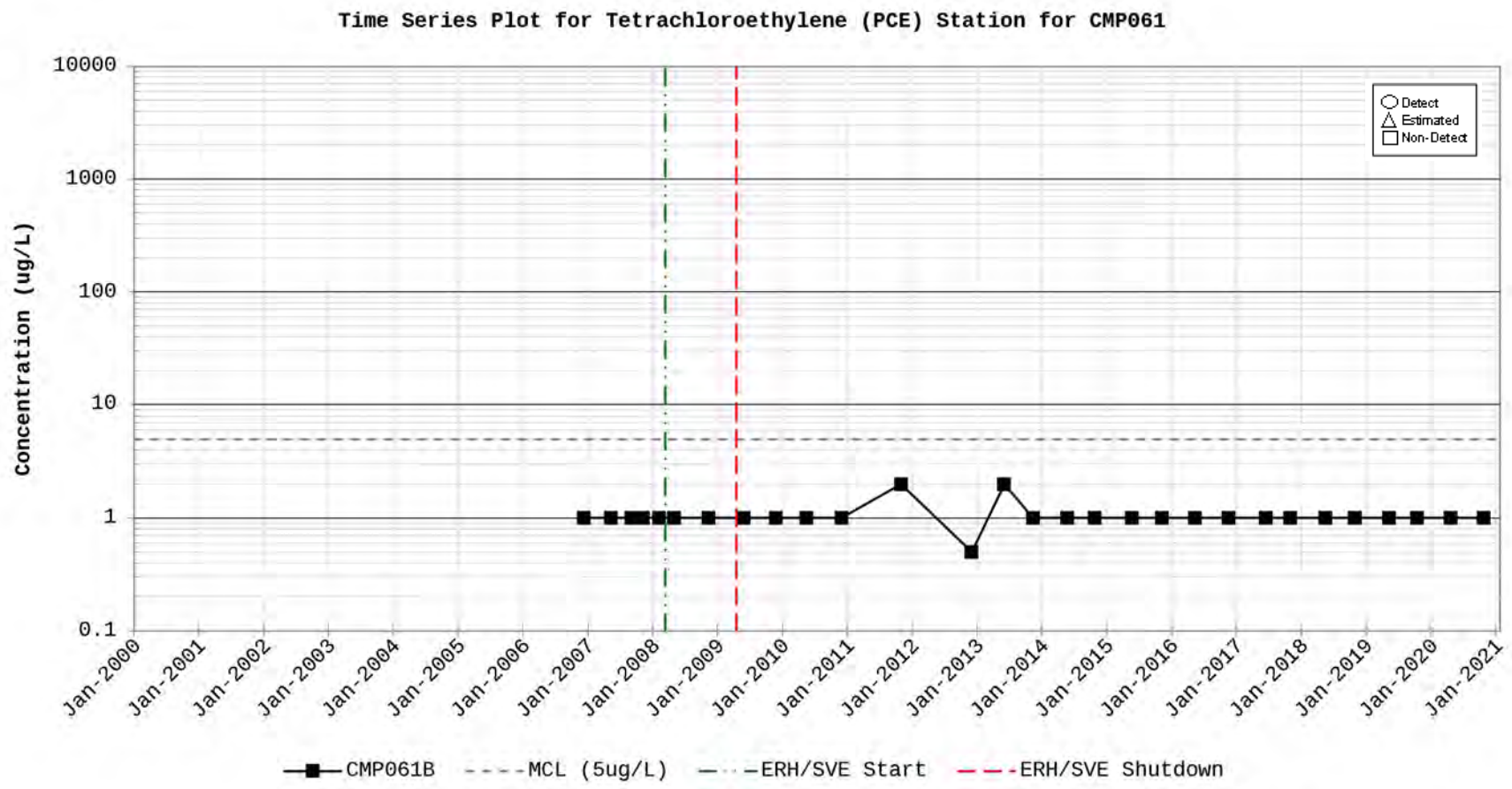

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP 56
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 56D
CMP 56B
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

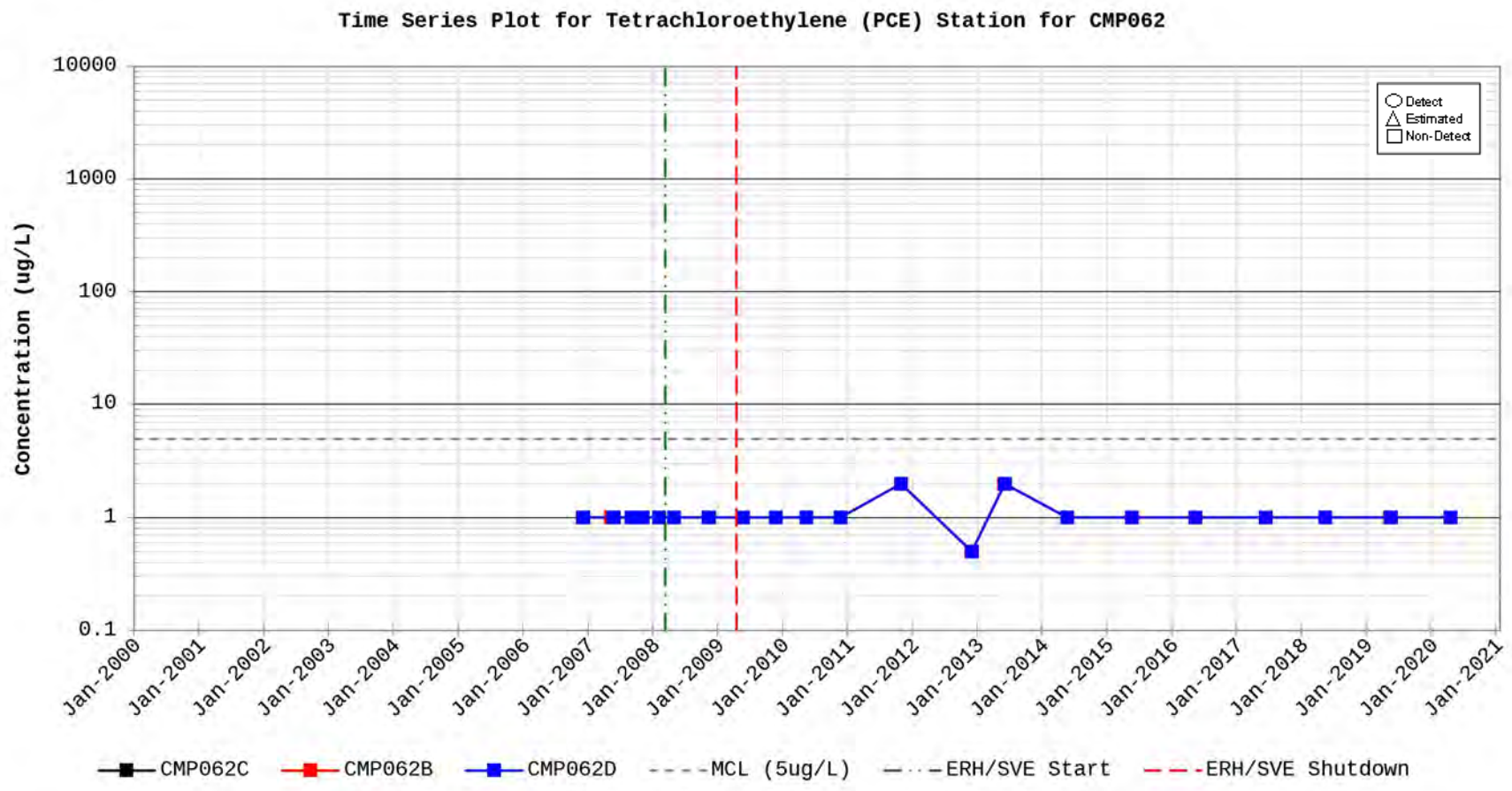

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP 57
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 57B
CMP 57D
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

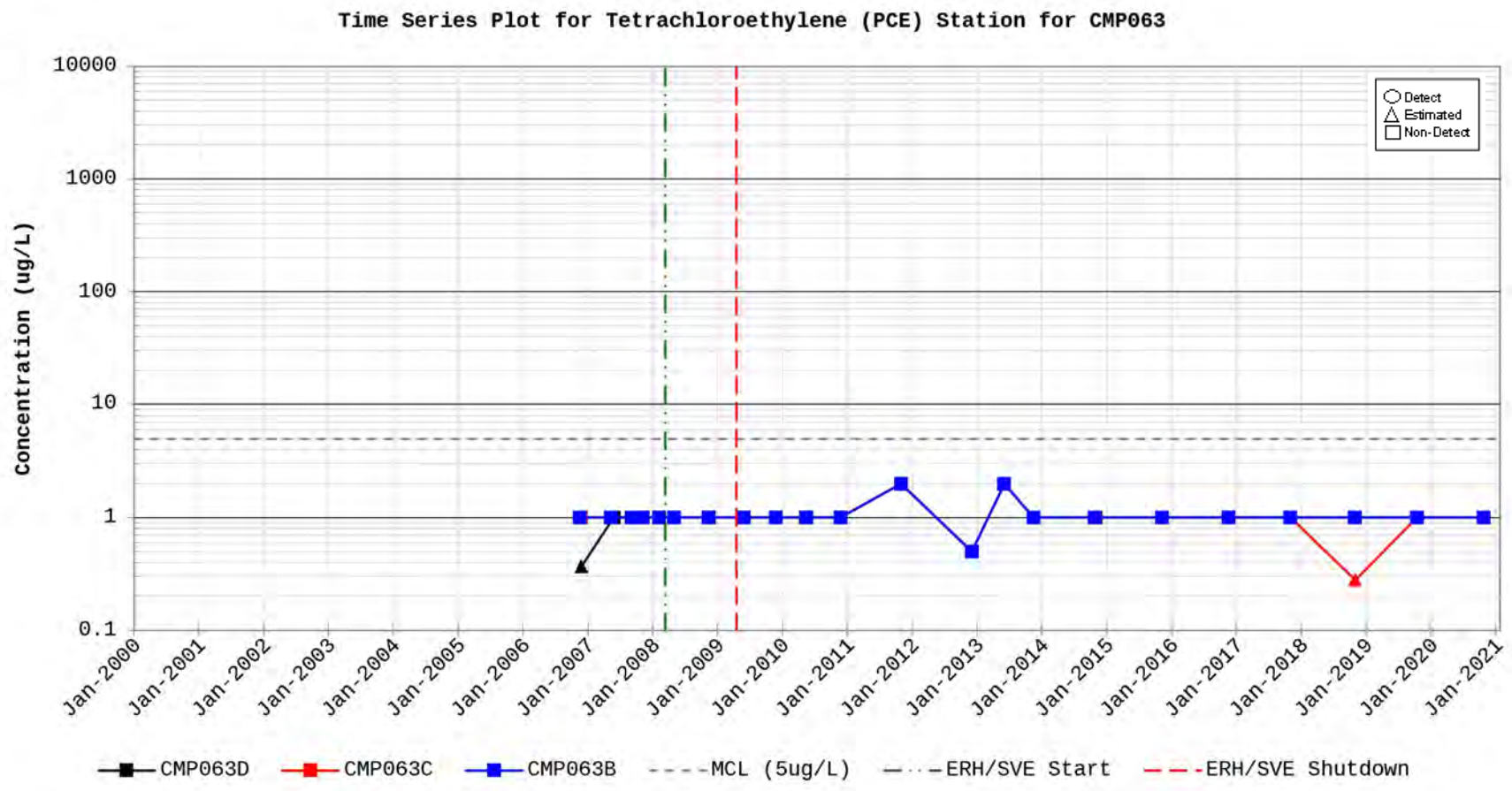

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP058
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP058B
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

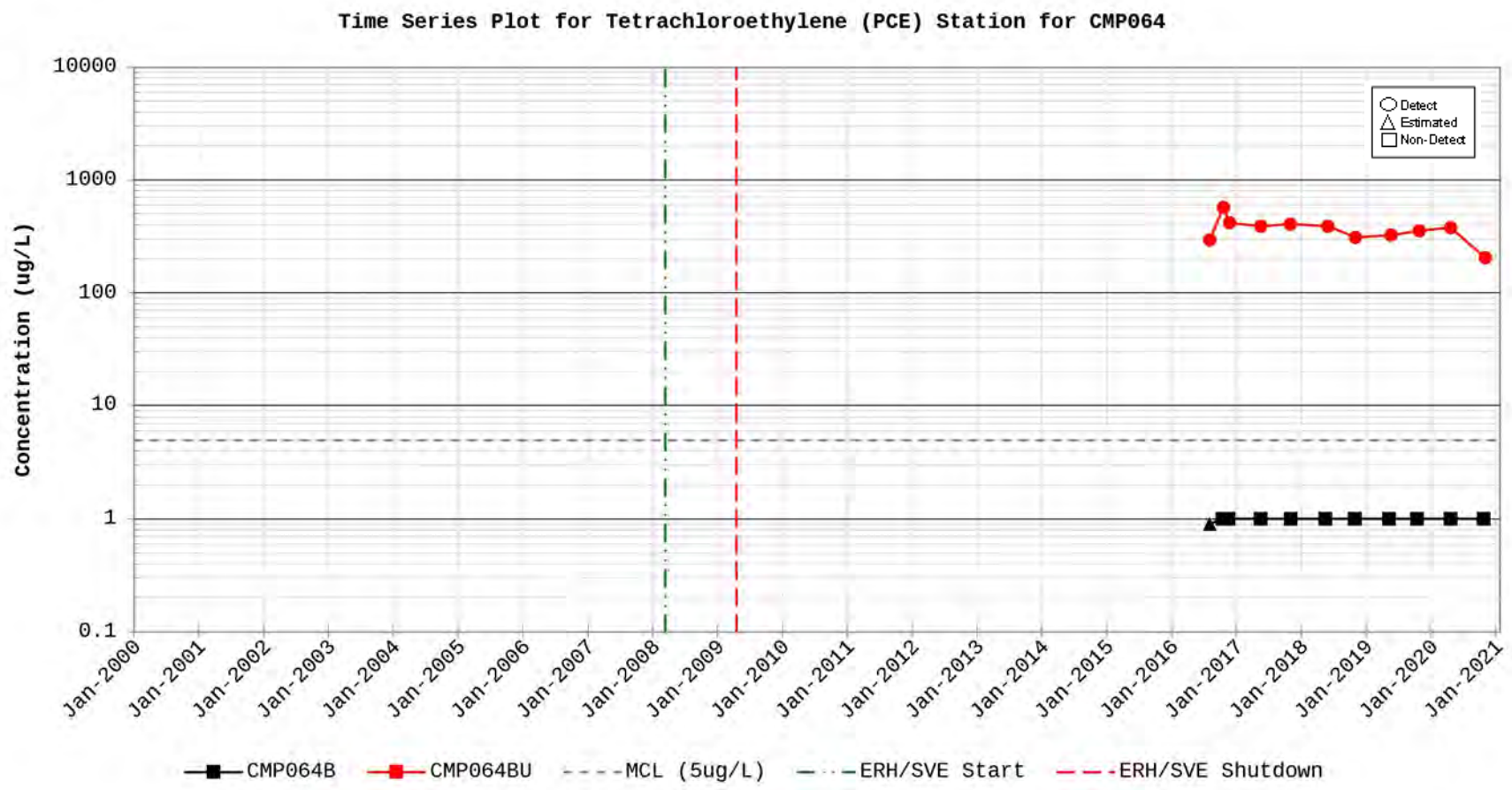

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP059
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP059C
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

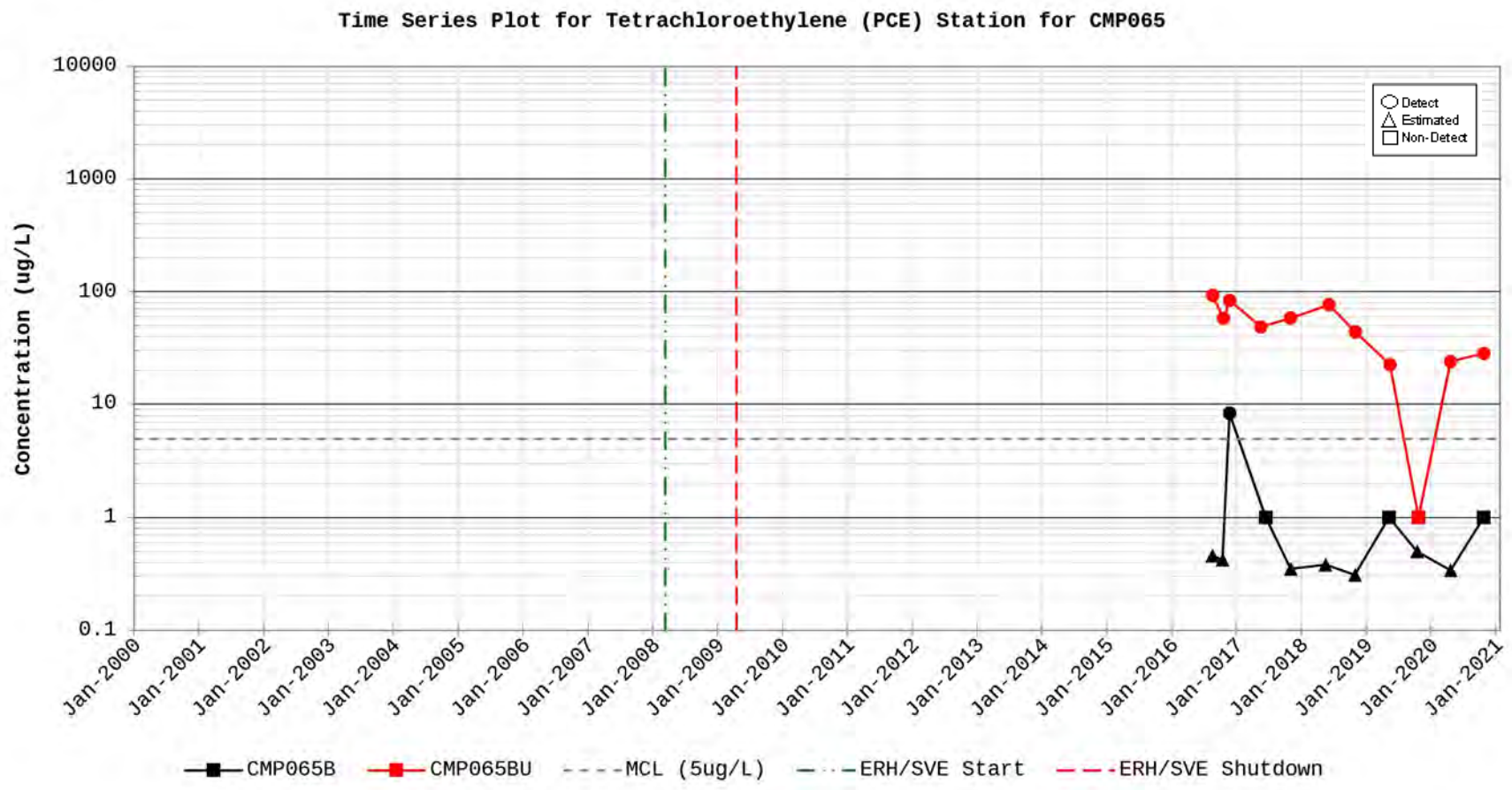

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP060
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP060B
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

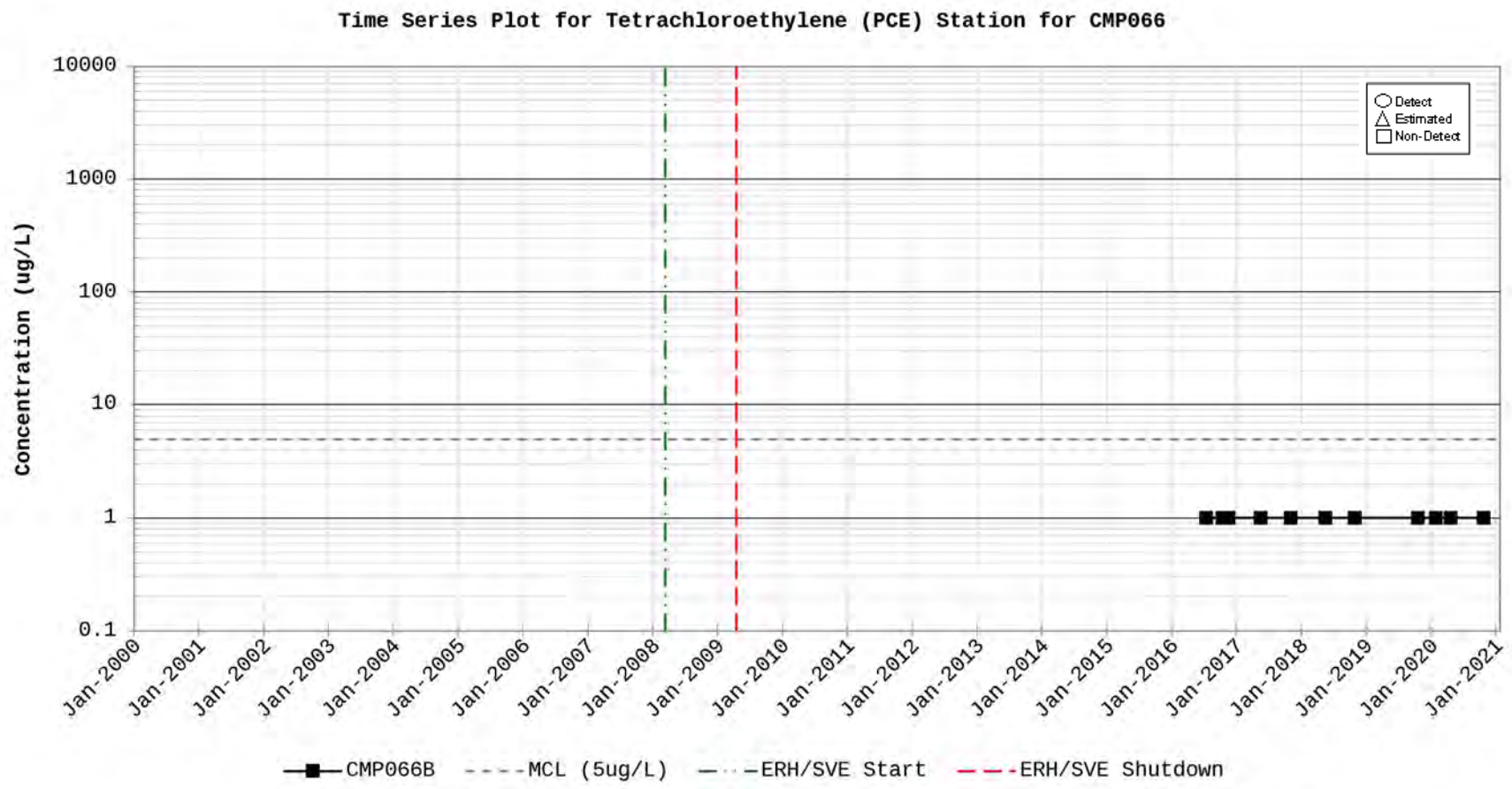

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP061
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP061B
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

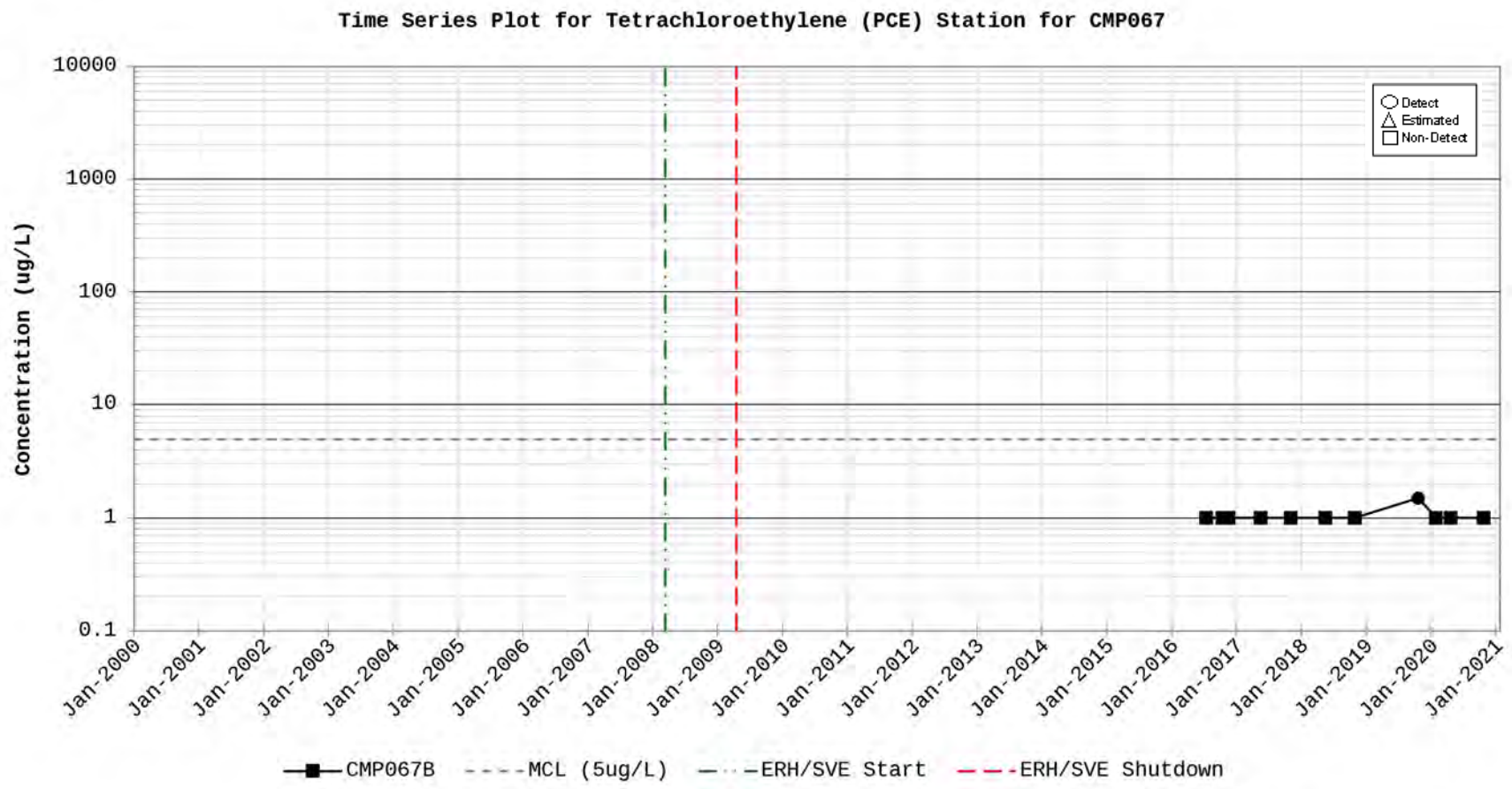

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP062
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP062C
CMP062B
CMP062D
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

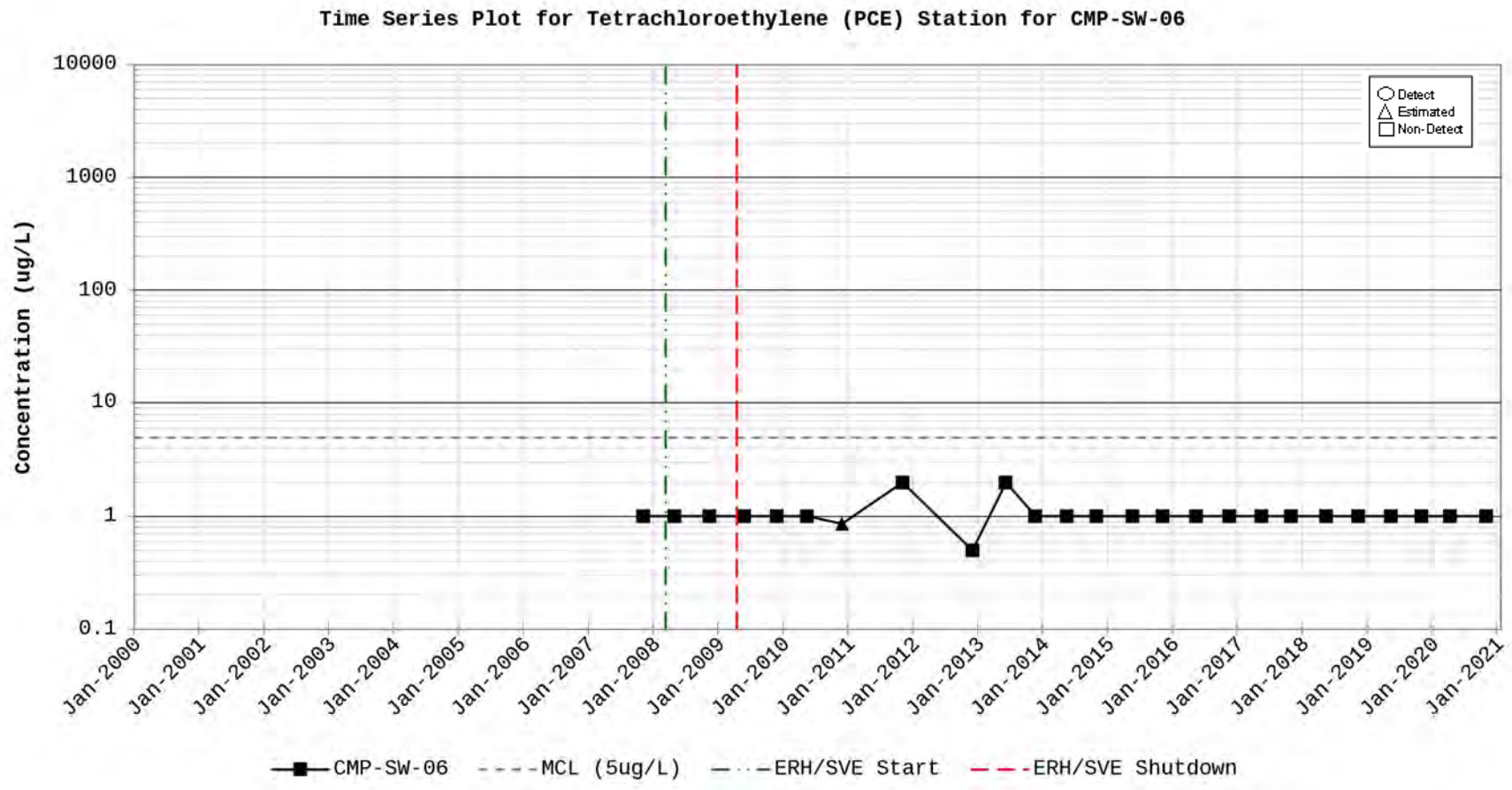

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP063
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP063D
CMP063C
CMP063B
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

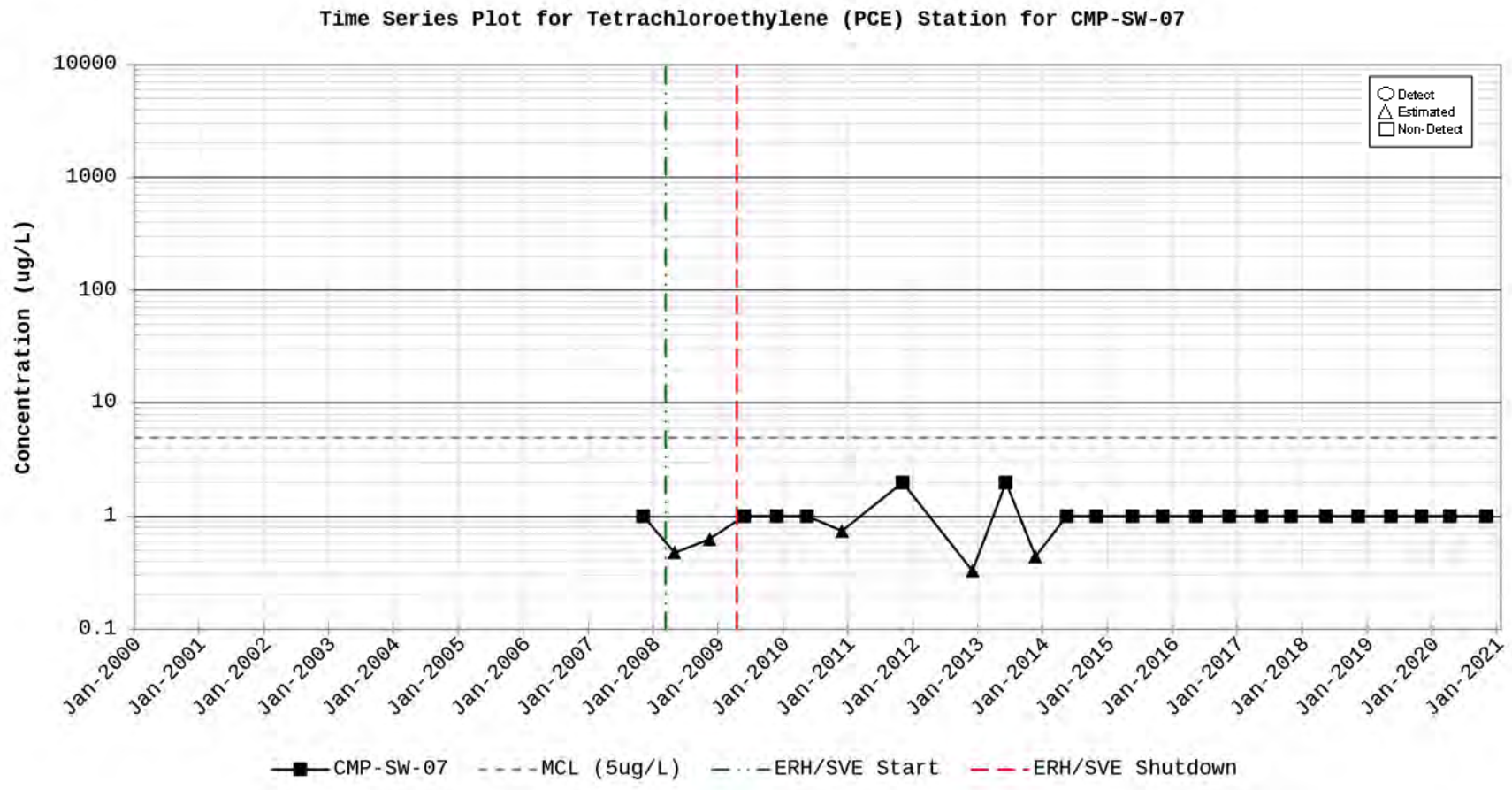

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP064
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP064B
CMP064BU
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

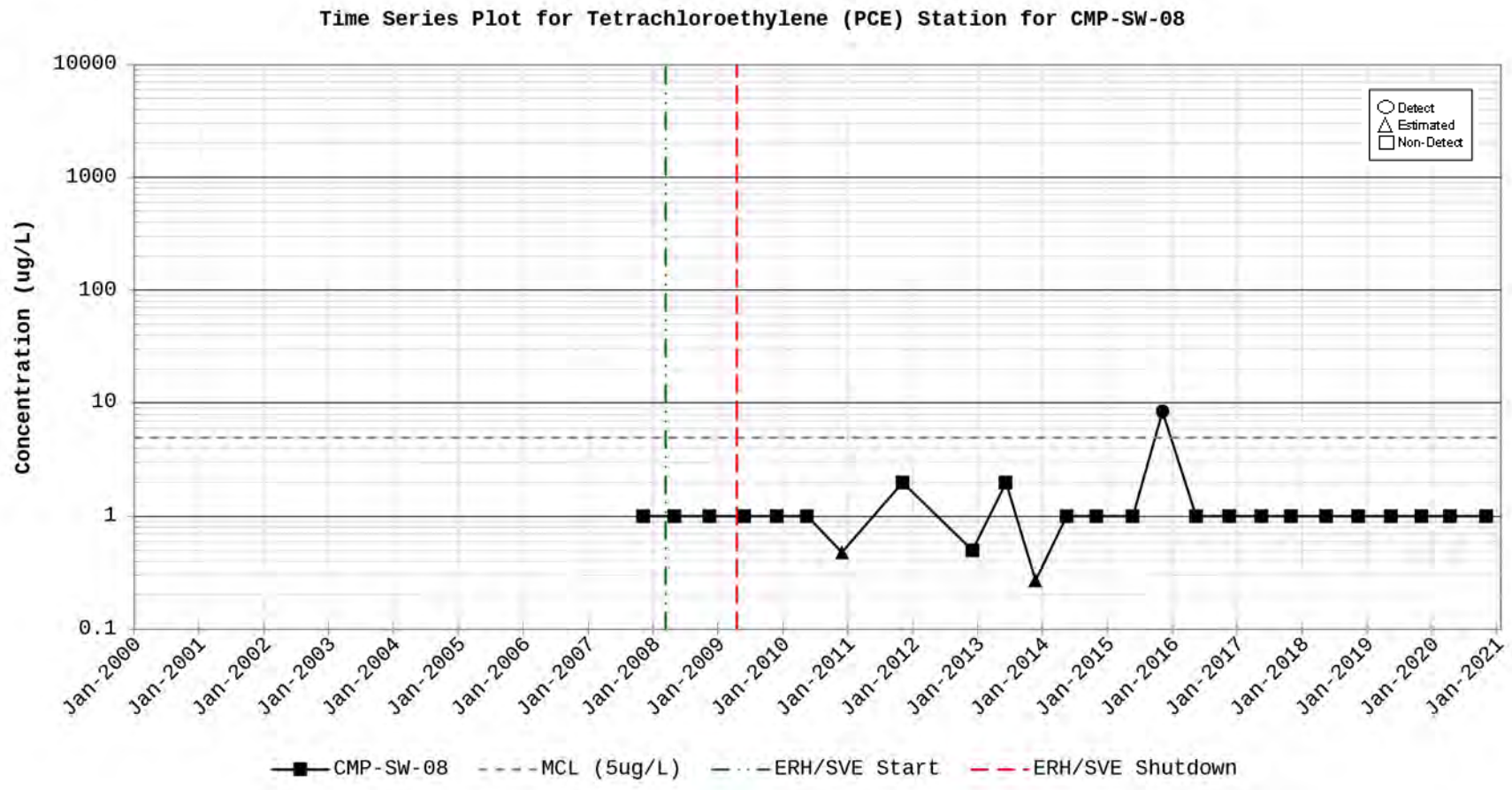

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP065
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP065B
CMP065BU
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

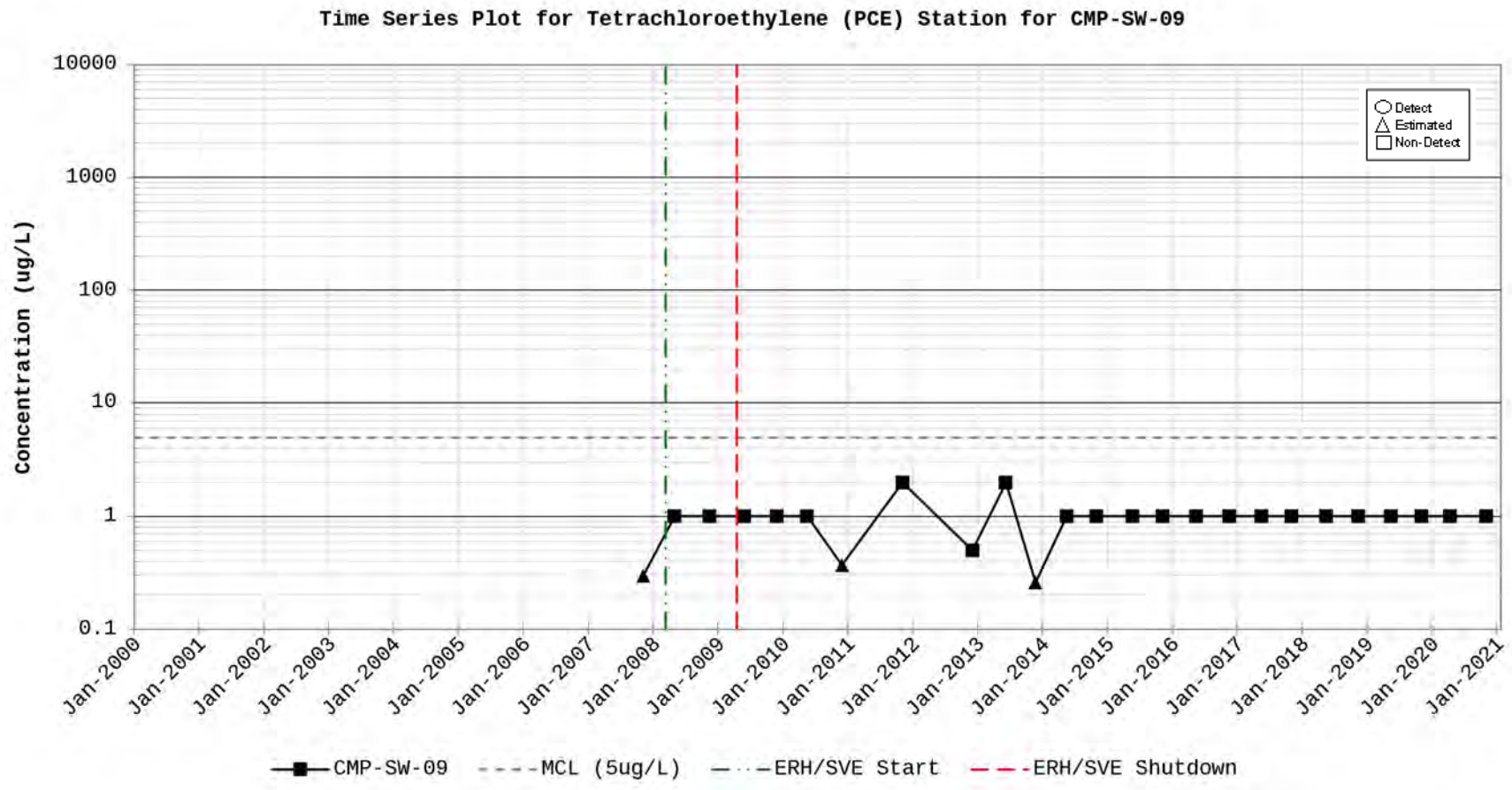

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP066
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP066B
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

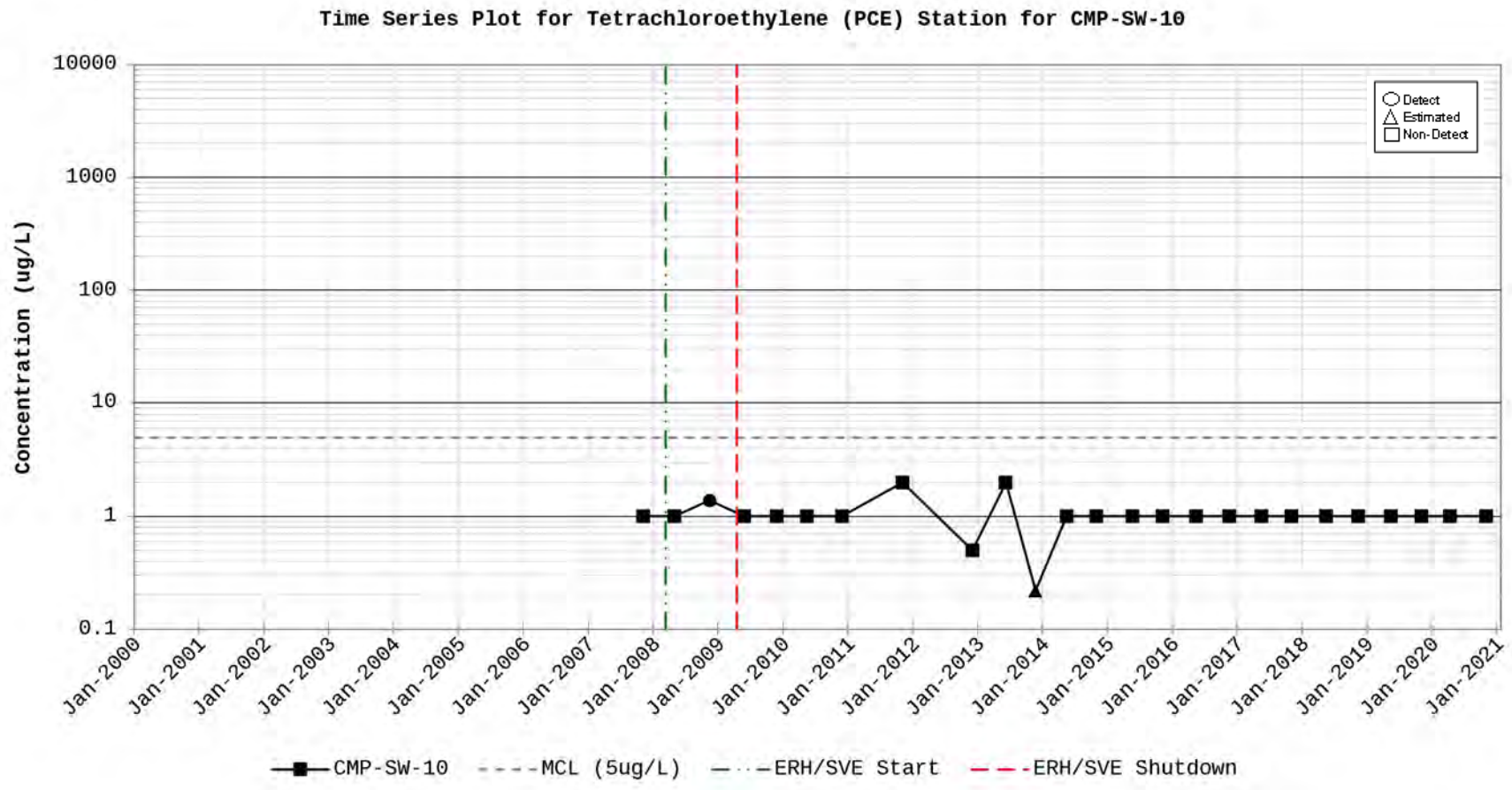

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP067
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP067B
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

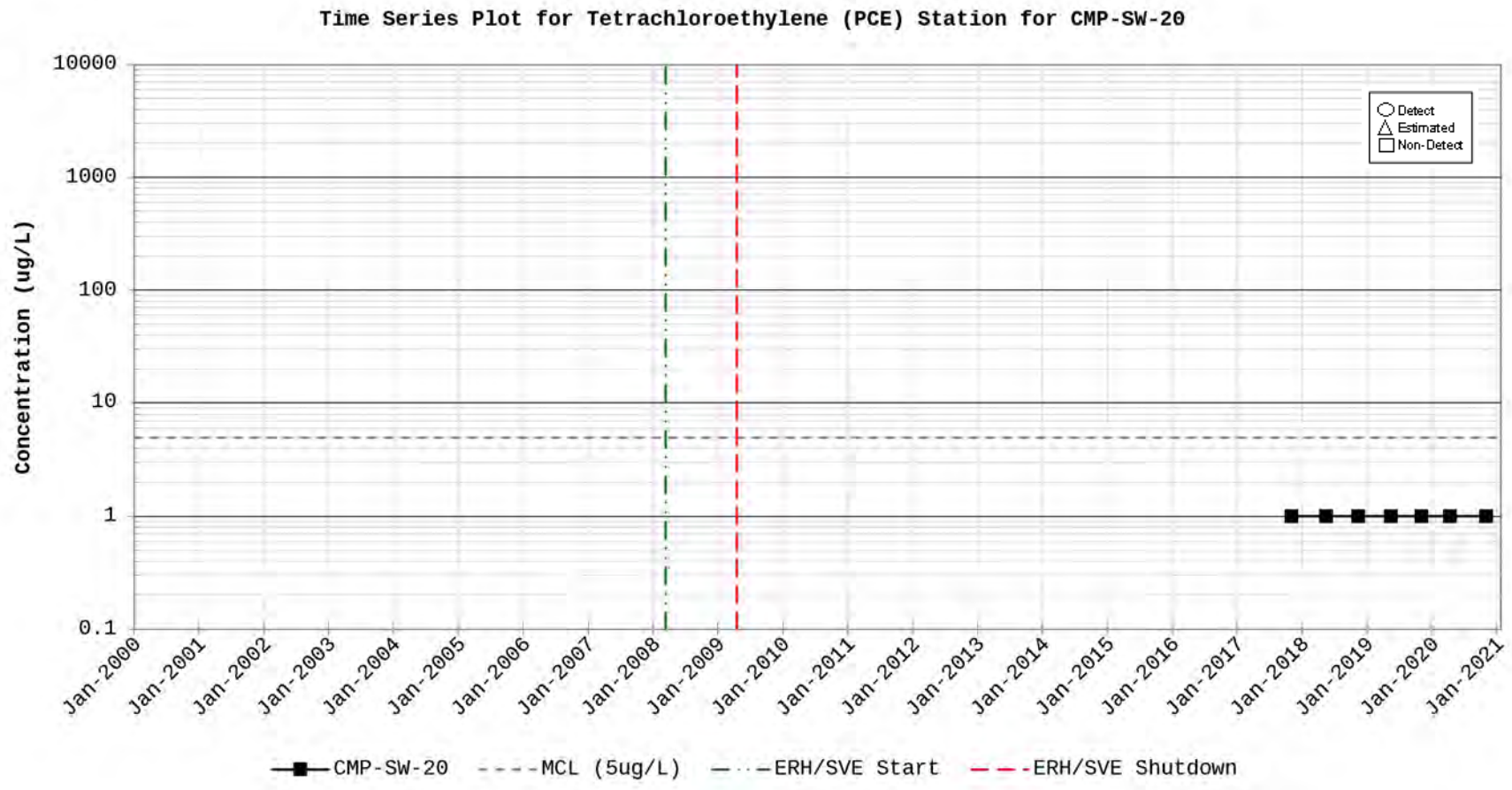

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP-SW-06
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP-SW-06
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

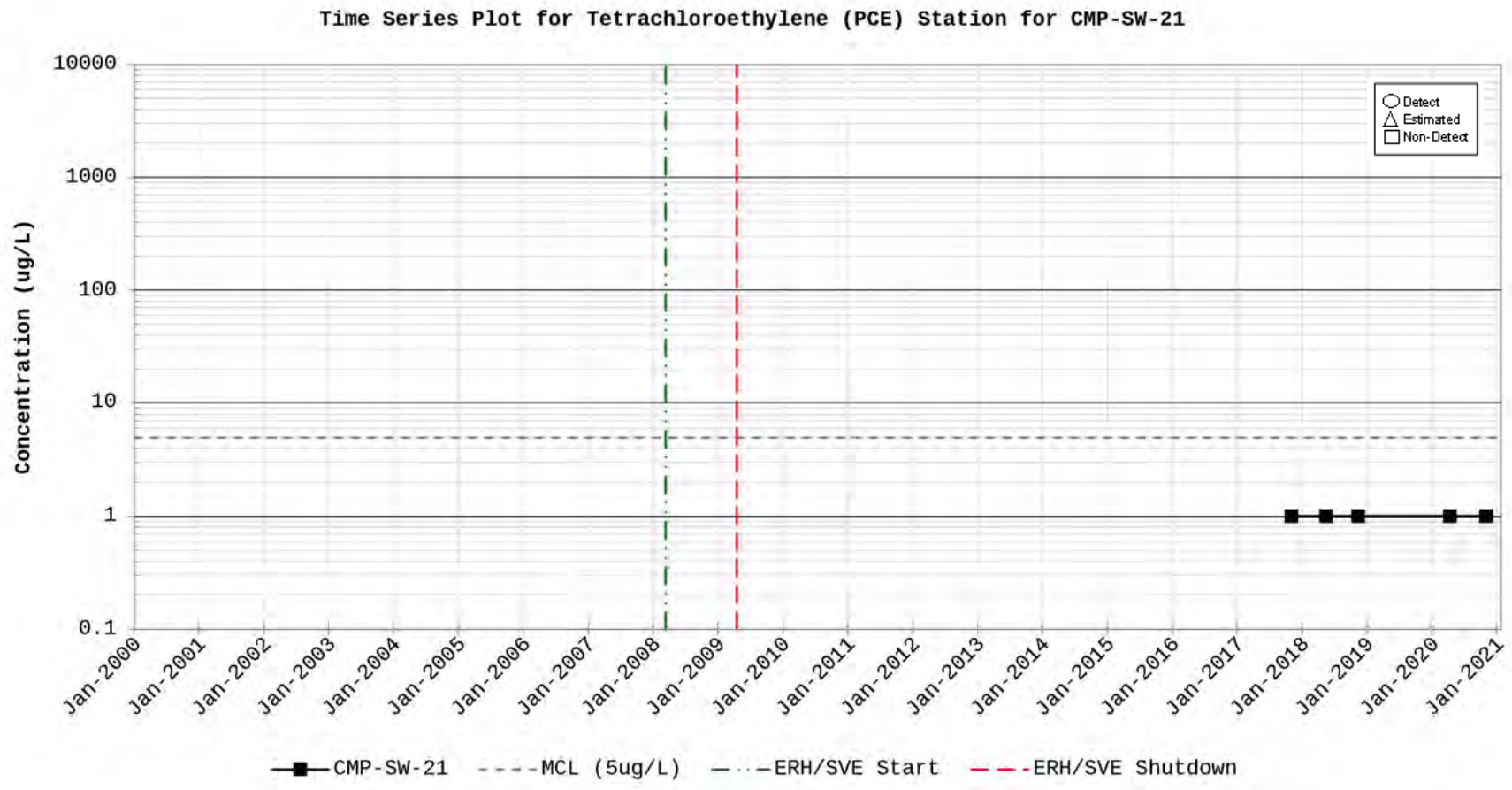

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP-SW-07
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP-SW-07
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

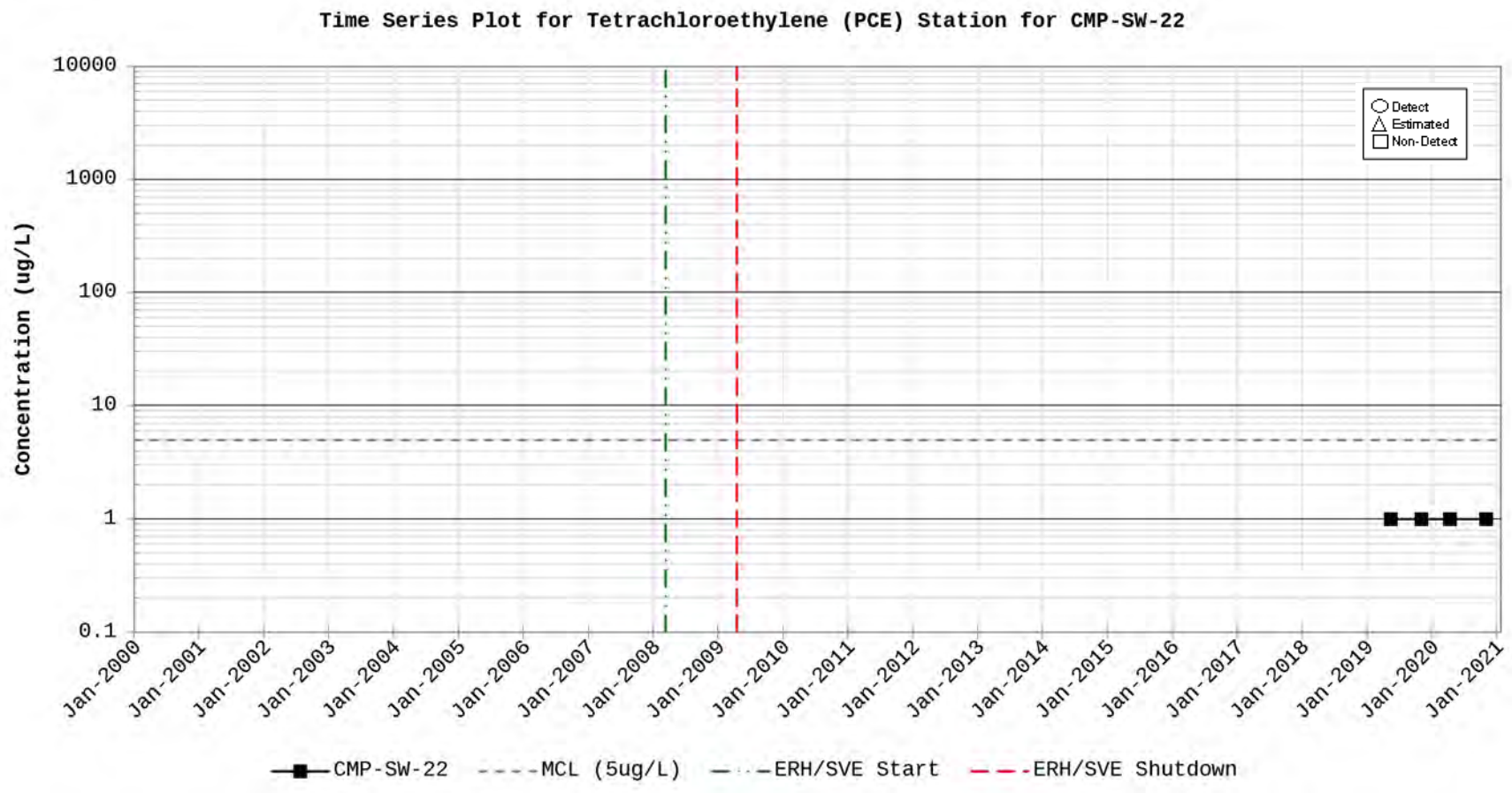

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP-SW-08
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP-SW-08
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

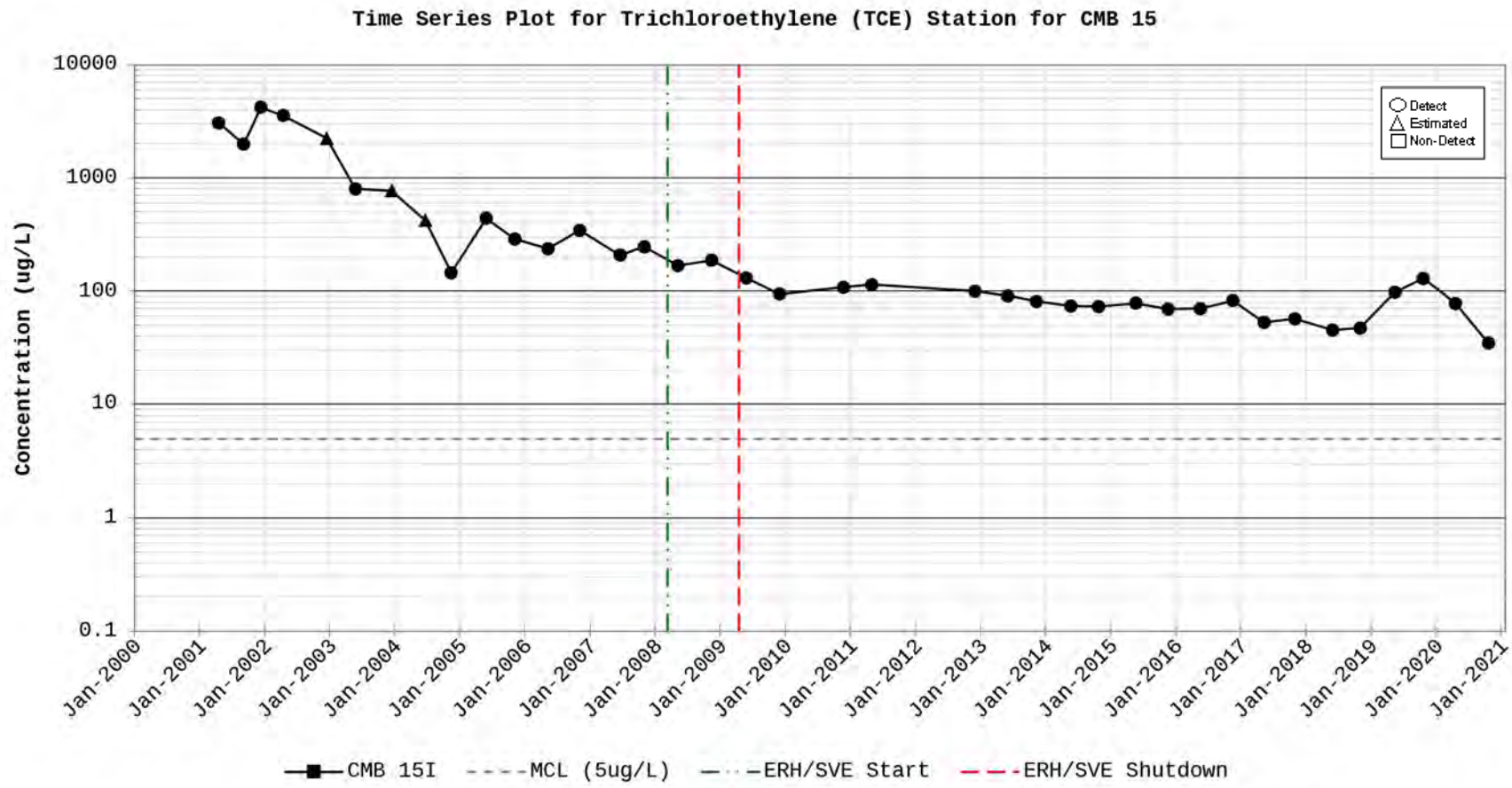

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP-SW-09
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP-SW-09
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

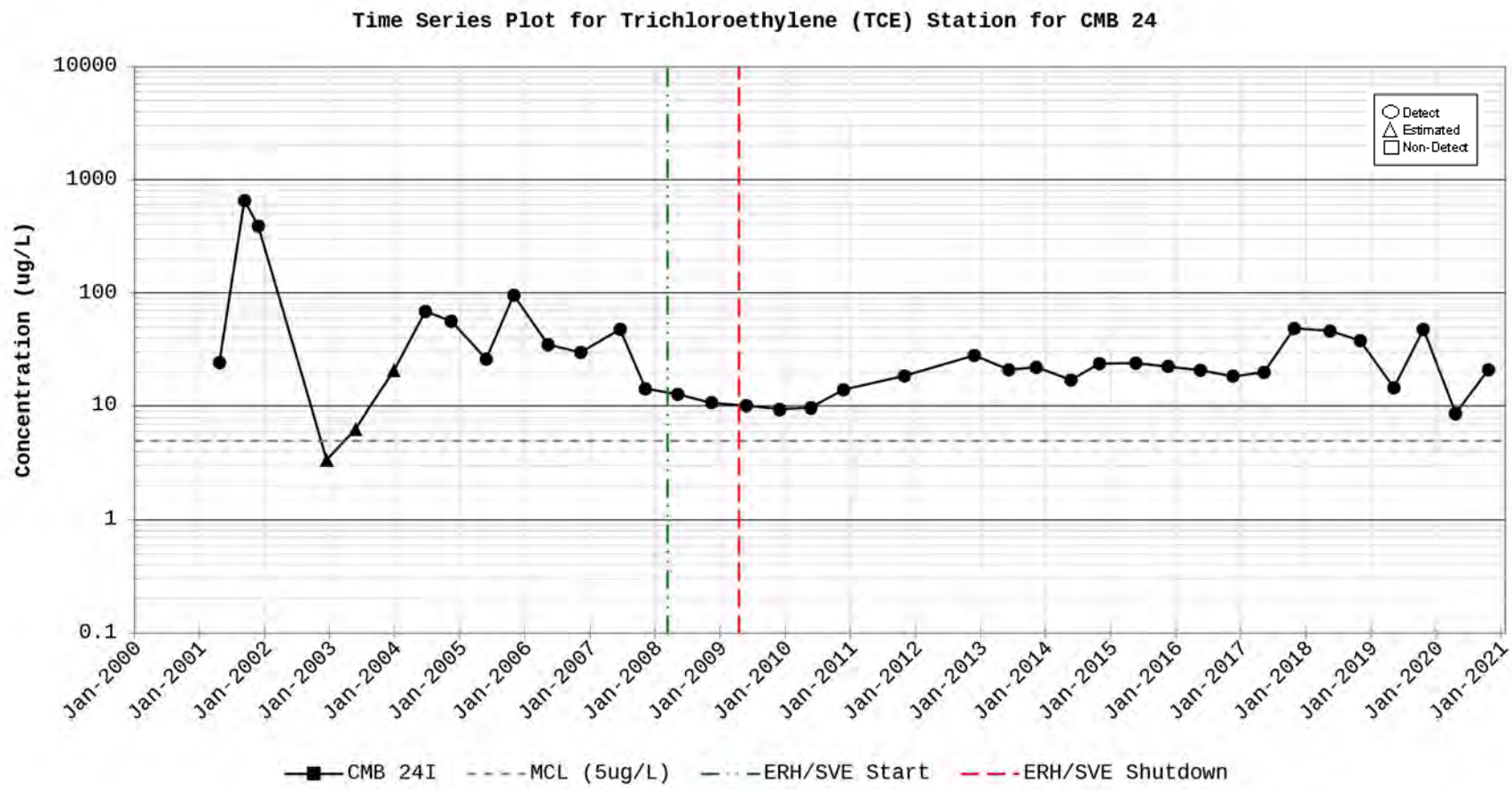

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP-SW-10
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP-SW-10
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

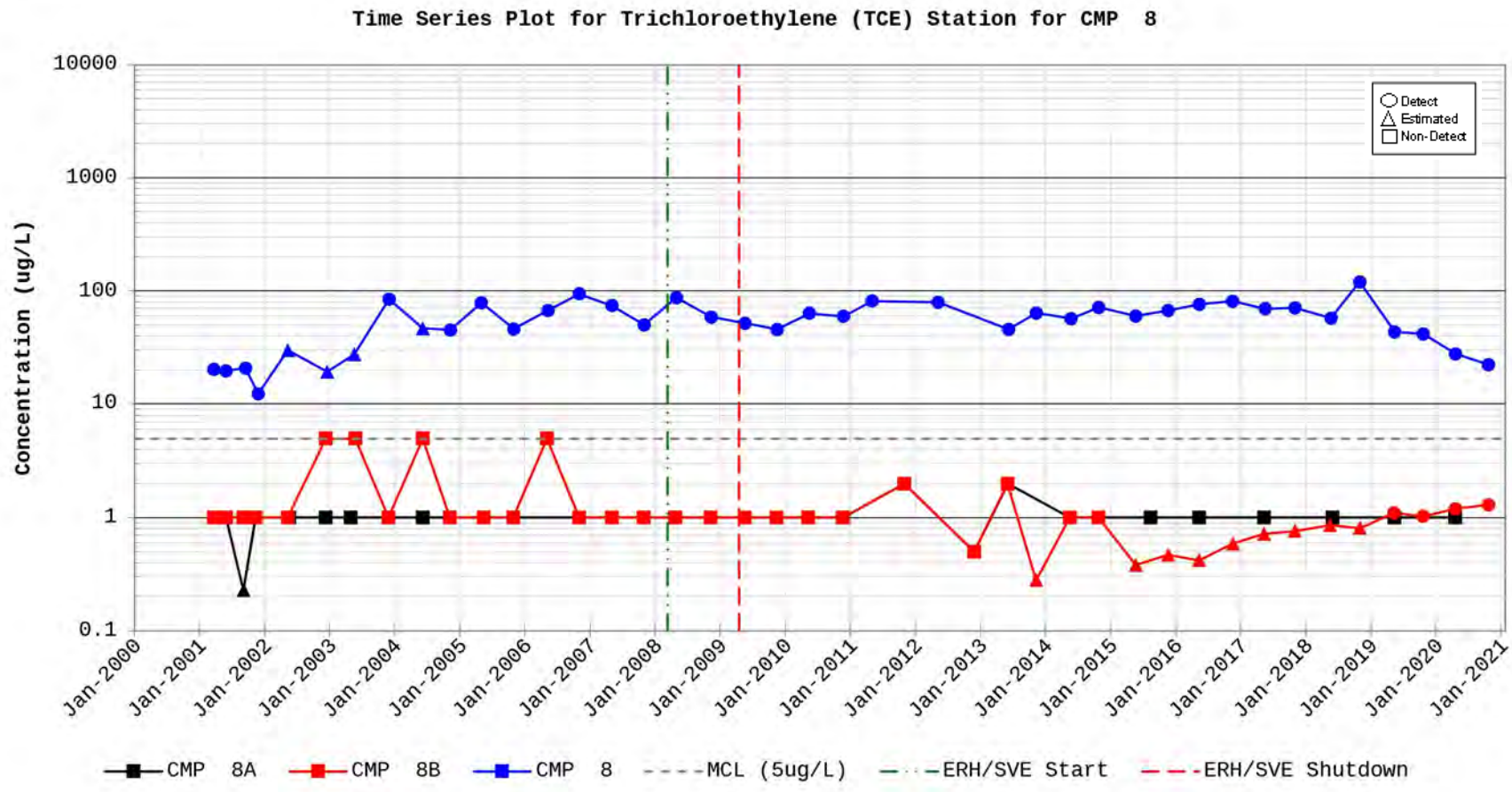

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP-SW-20
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP-SW-20
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

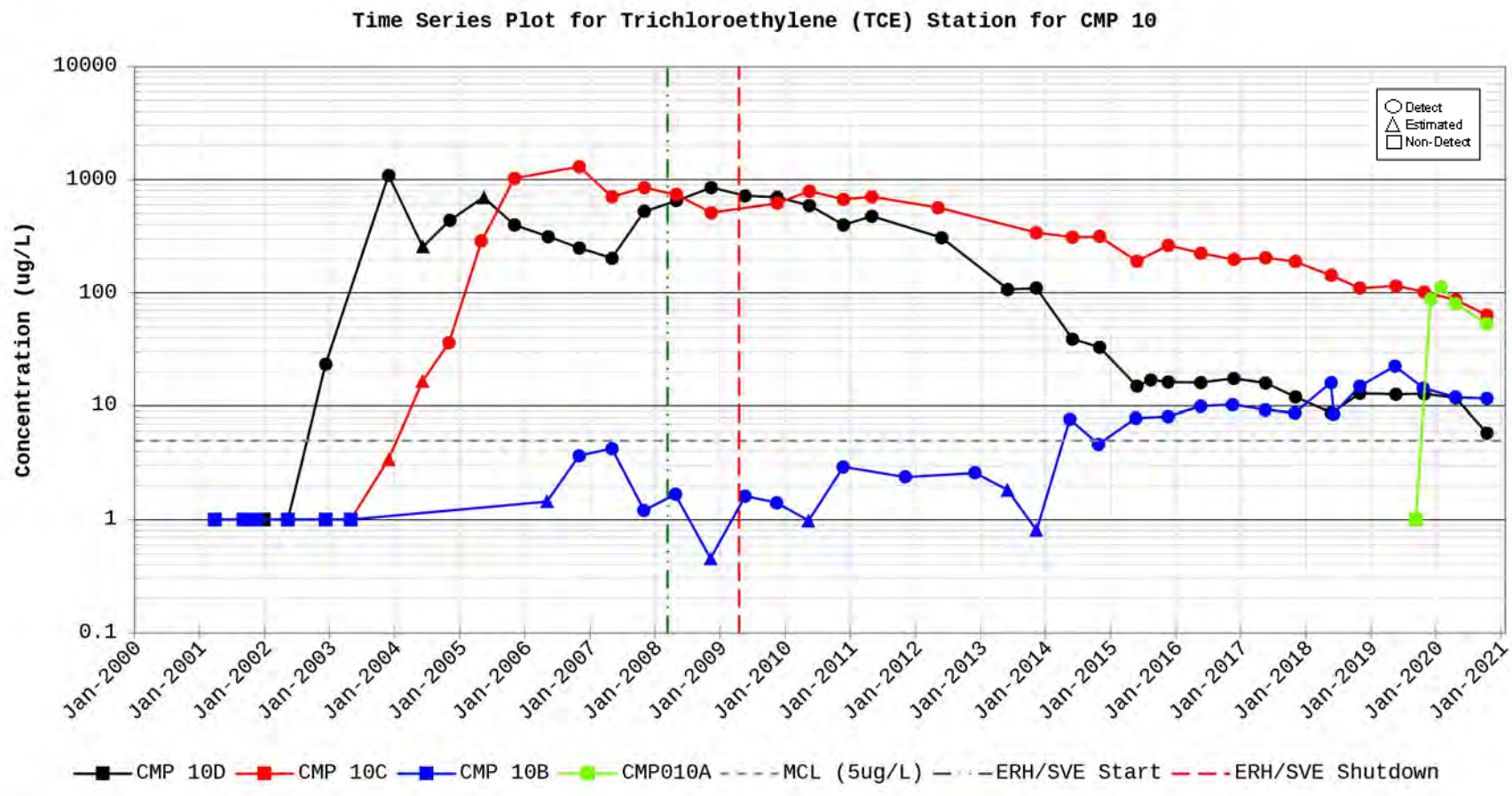

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP-SW-21
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP-SW-21
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

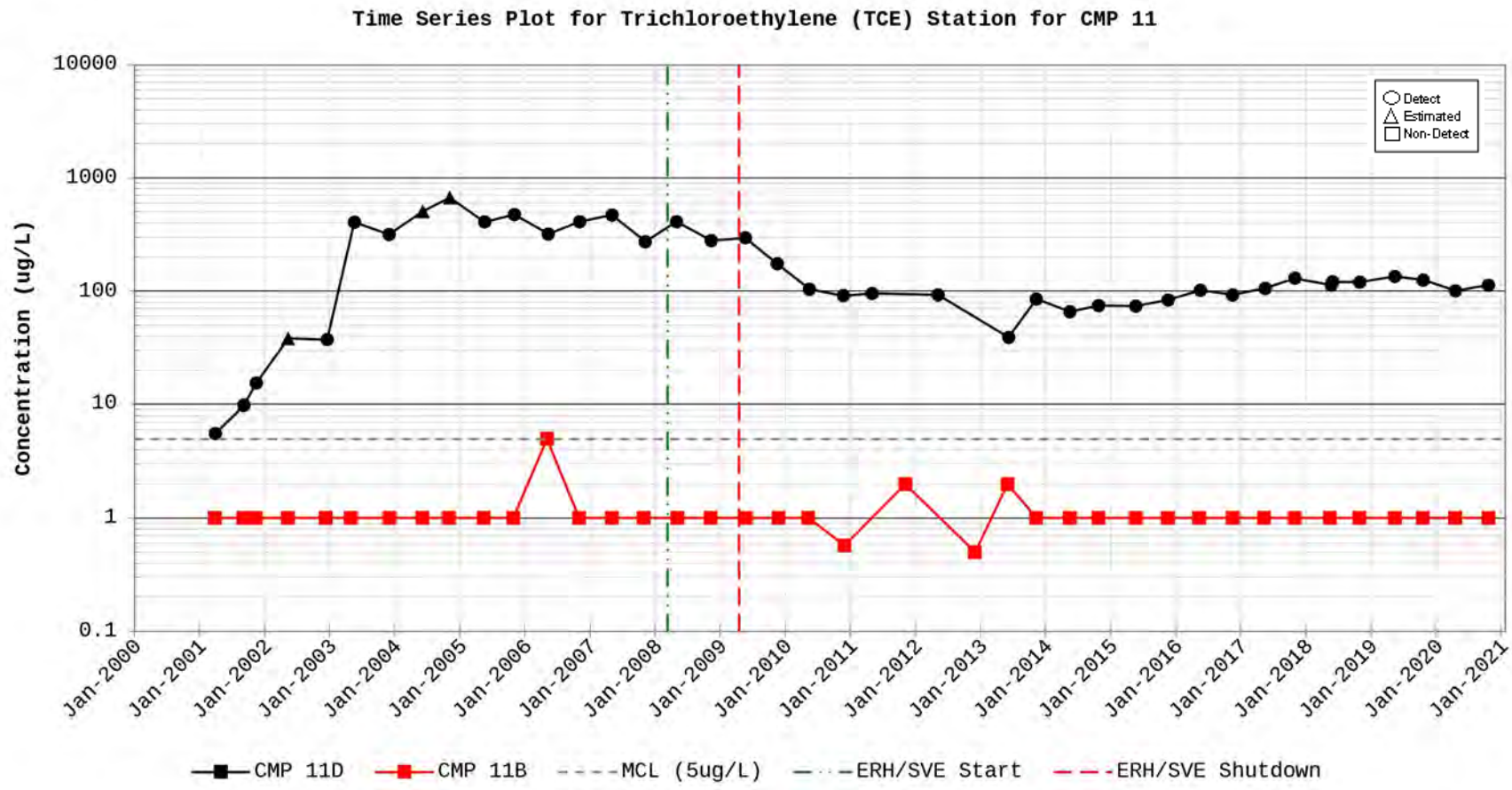

Time Series Plot for Tetrachloroethylene (PCE) Station for CMP-SW-22
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP-SW-22
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

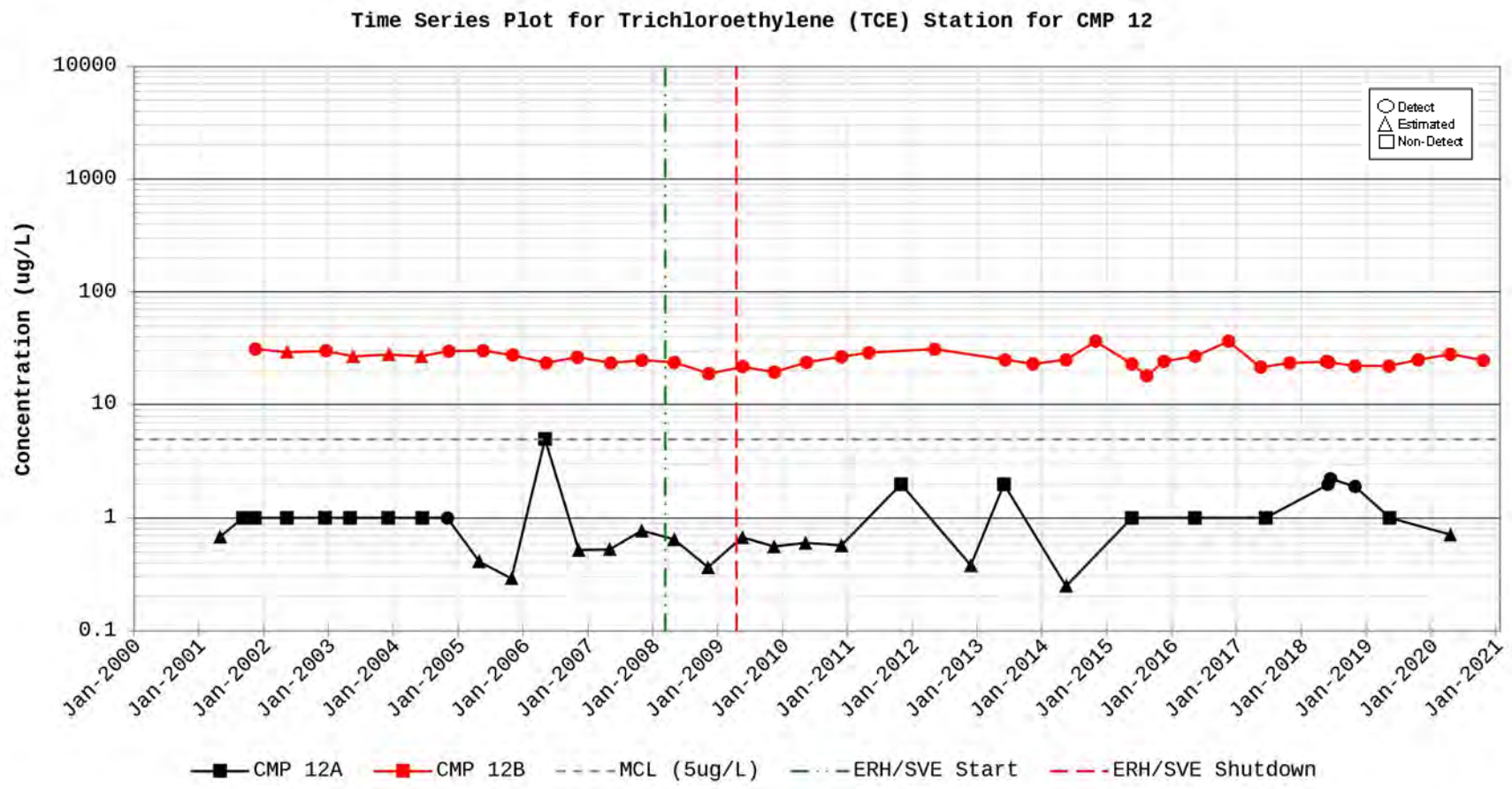

Time Series Plot for Trichloroethylene (TCE) Station for CMB 15
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMB 15I
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

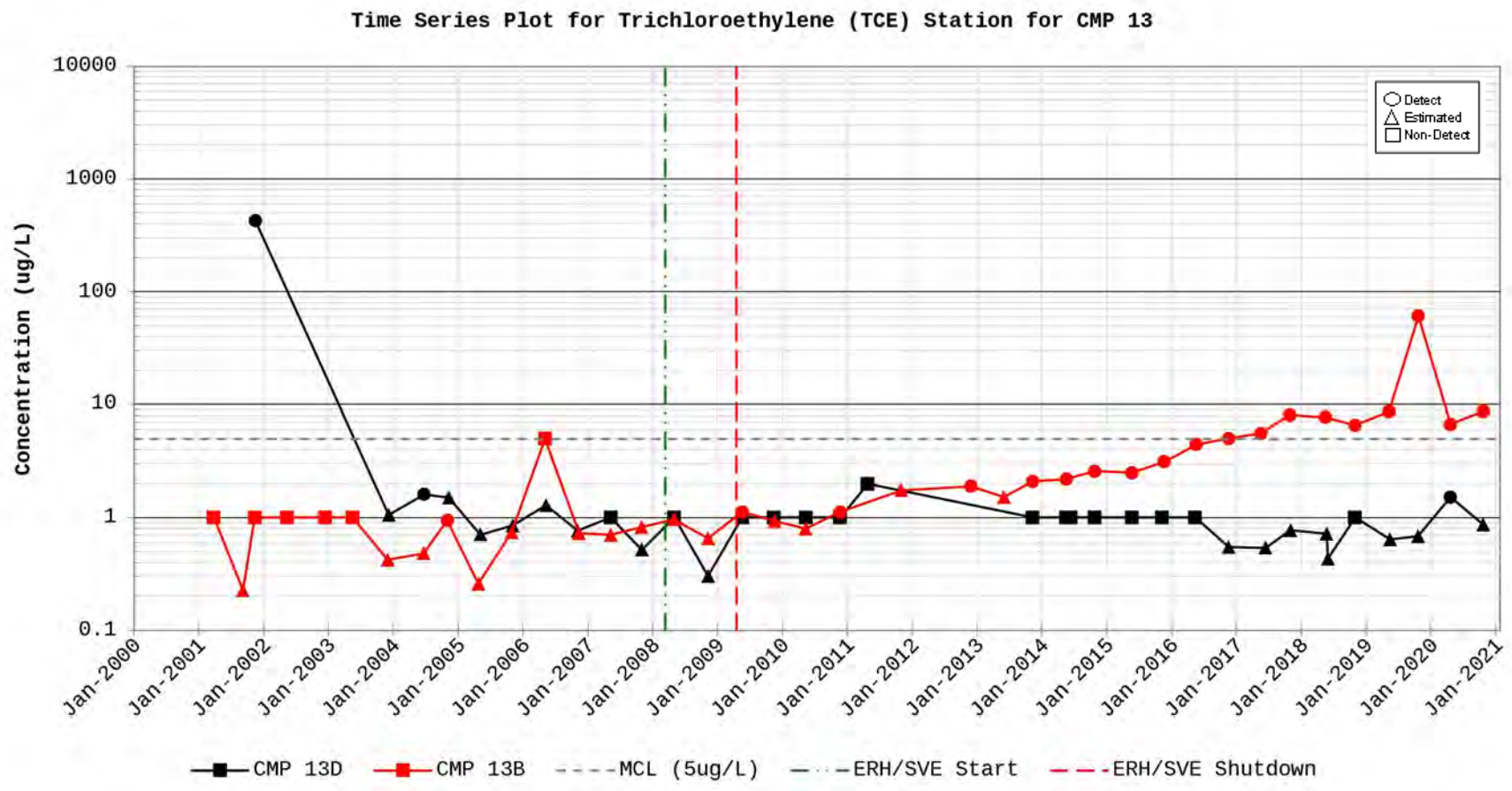

Time Series Plot for Trichloroethylene (TCE) Station for CMB 24
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMB 24I
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

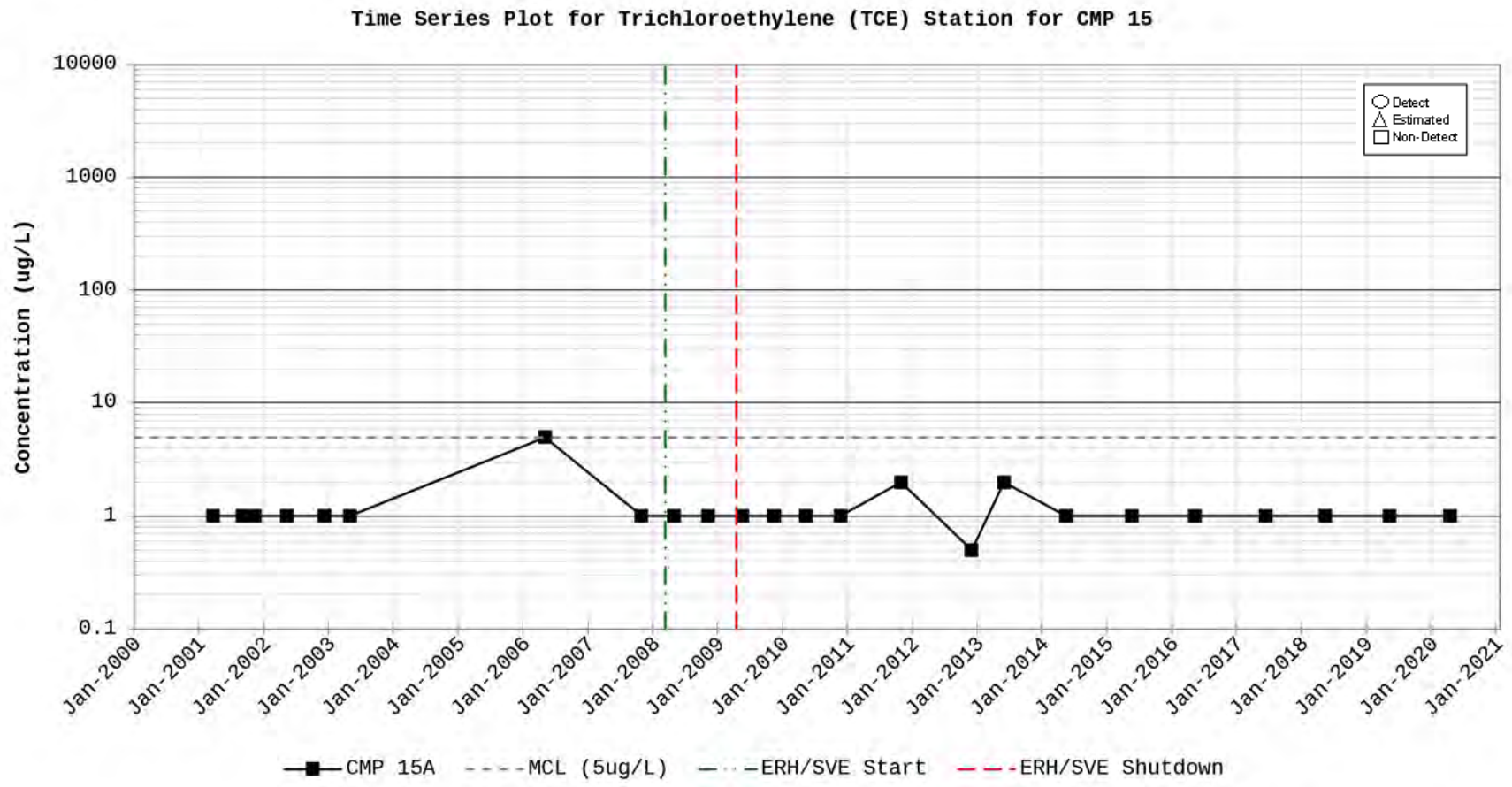

Time Series Plot for Trichloroethylene (TCE) Station for CMP 8
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 8A
CMP 8B
CMP 8
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

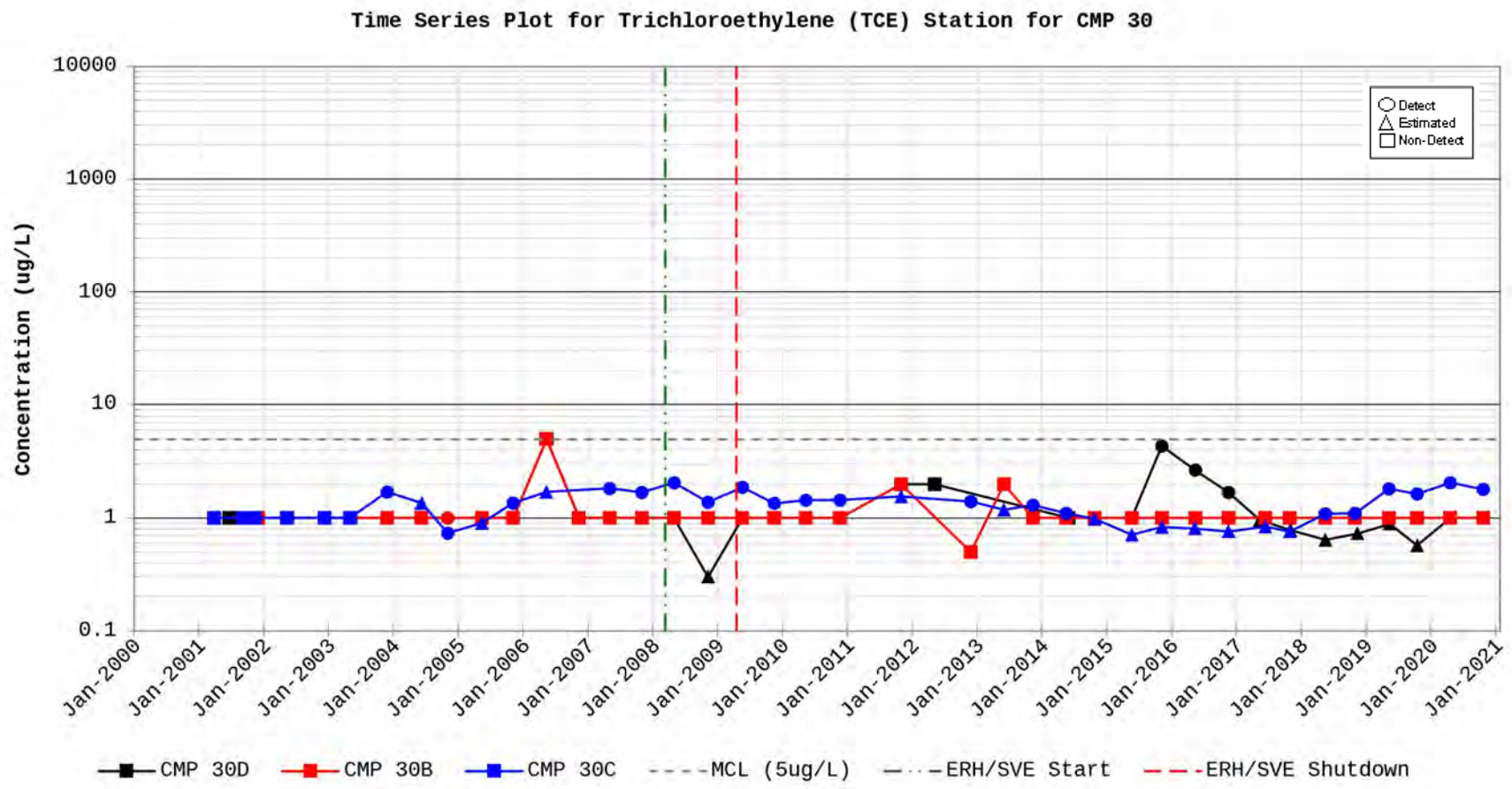

Time Series Plot for Trichloroethylene (TCE) Station for CMP 10
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 10D
CMP 10C
CMP 10B
CMP010A
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

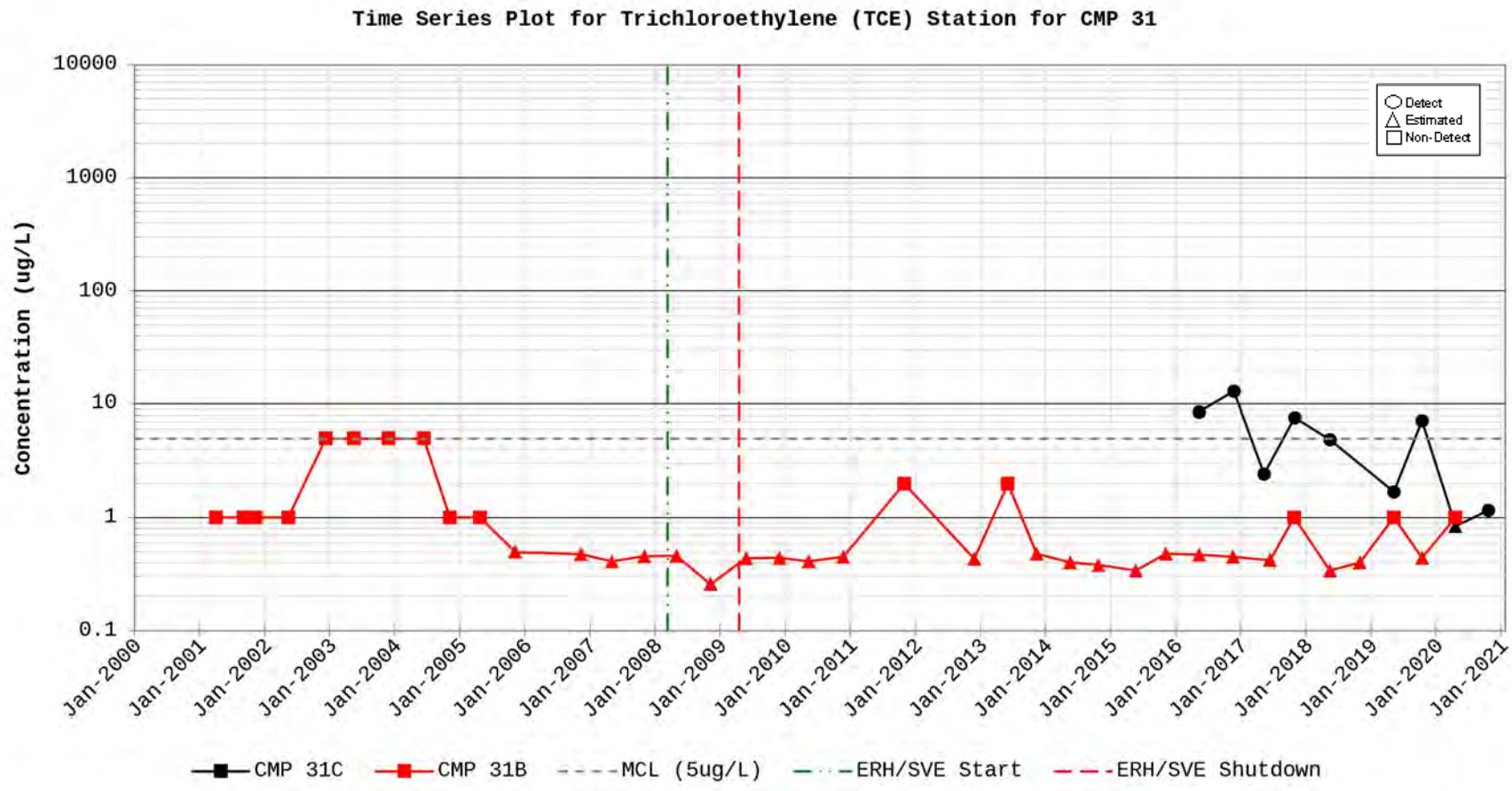

Time Series Plot for Trichloroethylene (TCE) Station for CMP 11
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 11D
CMP 11B
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

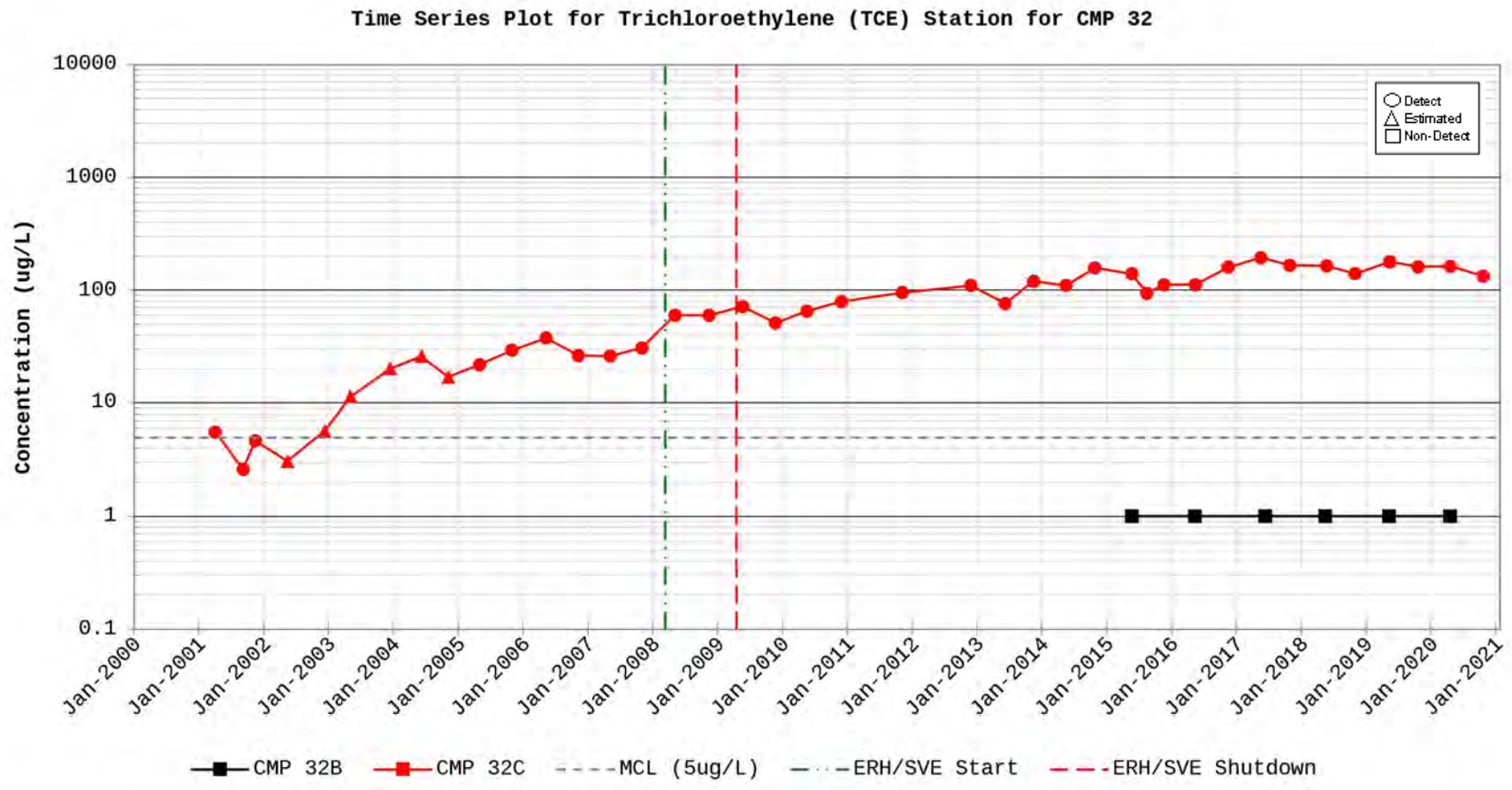

Time Series Plot for Trichloroethylene (TCE) Station for CMP 12
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 12A
CMP 12B
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

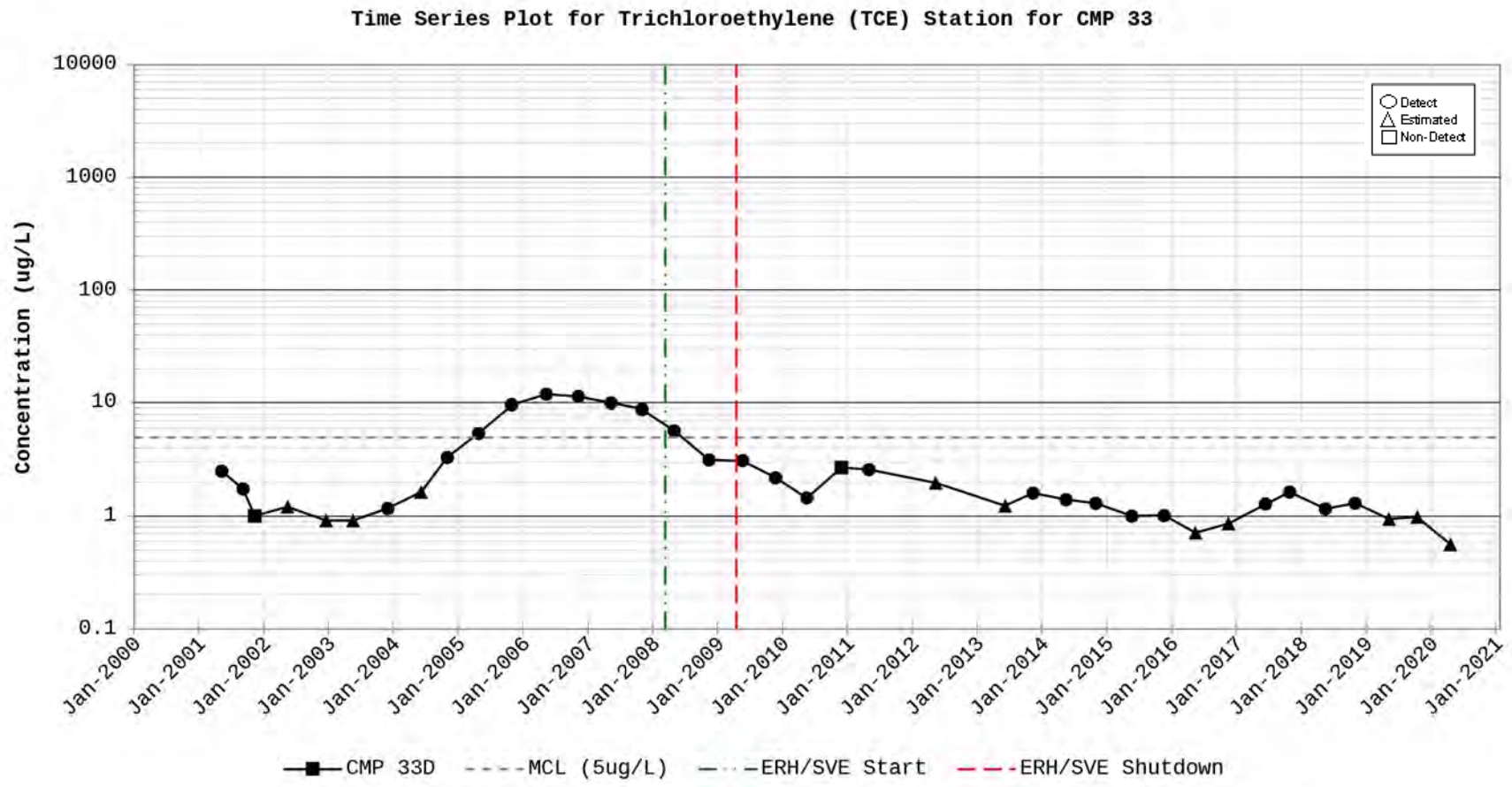

Time Series Plot for Trichloroethylene (TCE) Station for CMP 13
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 13D
CMP 13B
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

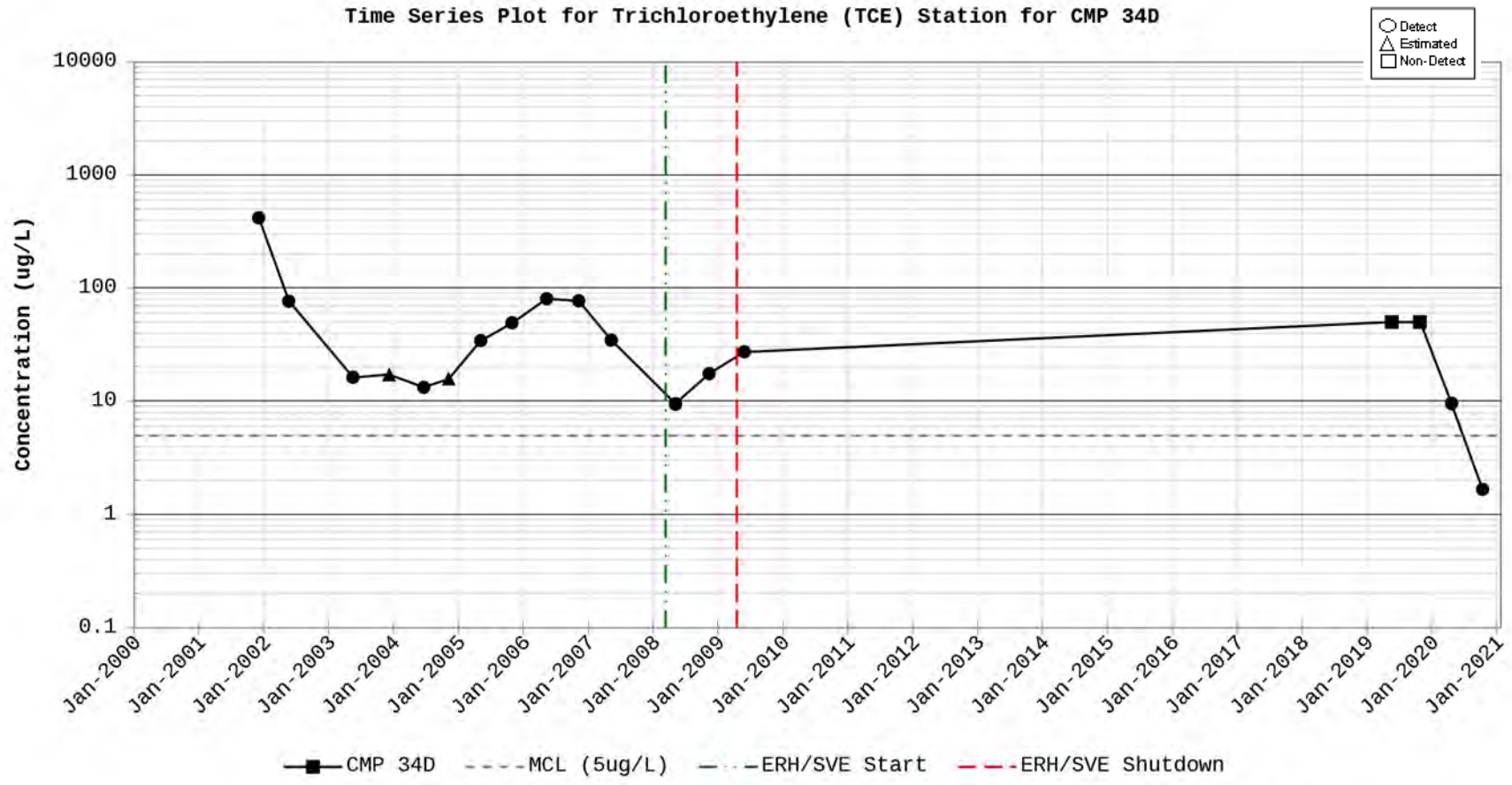

Time Series Plot for Trichloroethylene (TCE) Station for CMP 15
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 15A
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

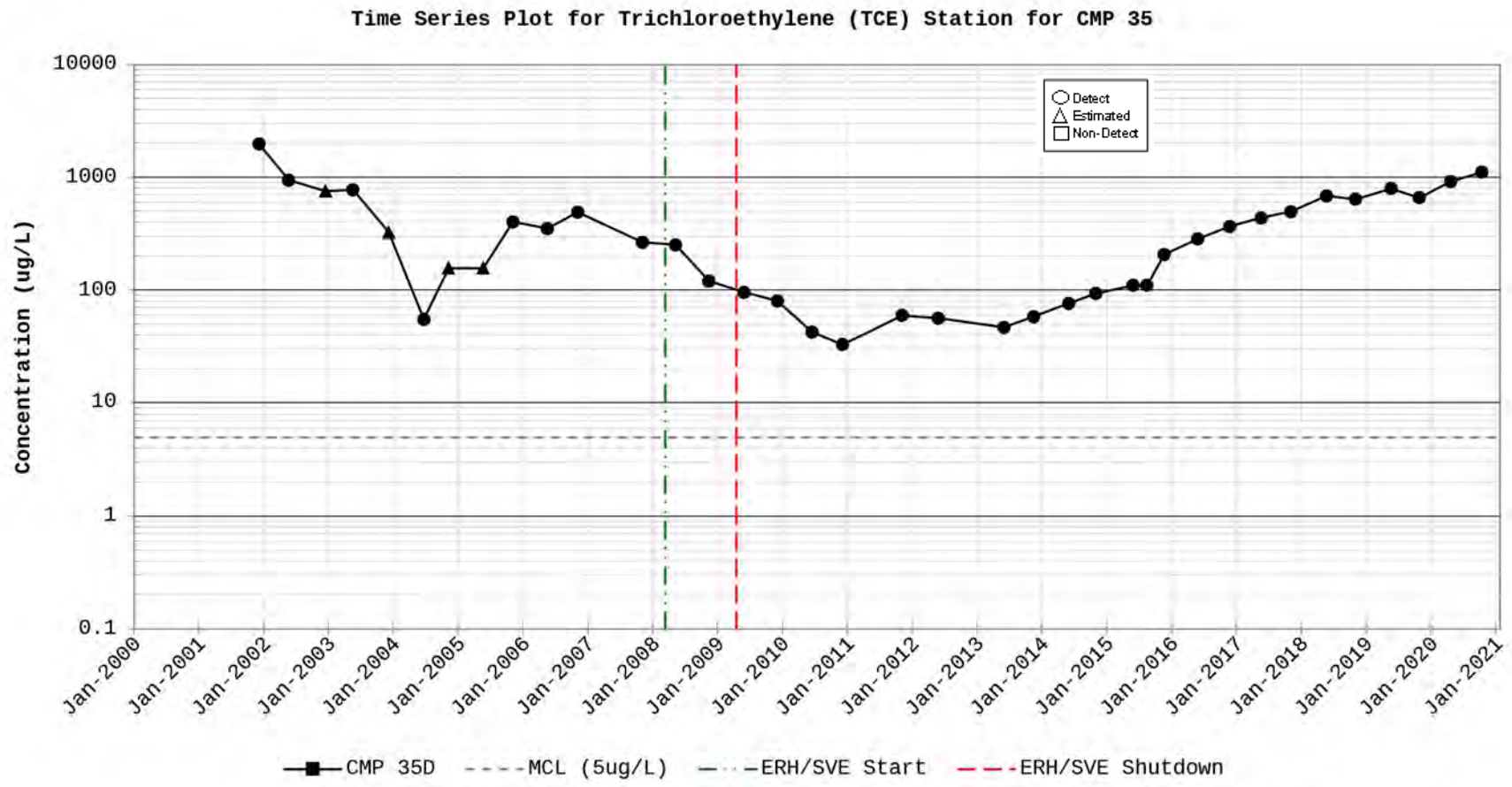

Time Series Plot for Trichloroethylene (TCE) Station for CMP 30
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 30D
CMP 30B
CMP 30C
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

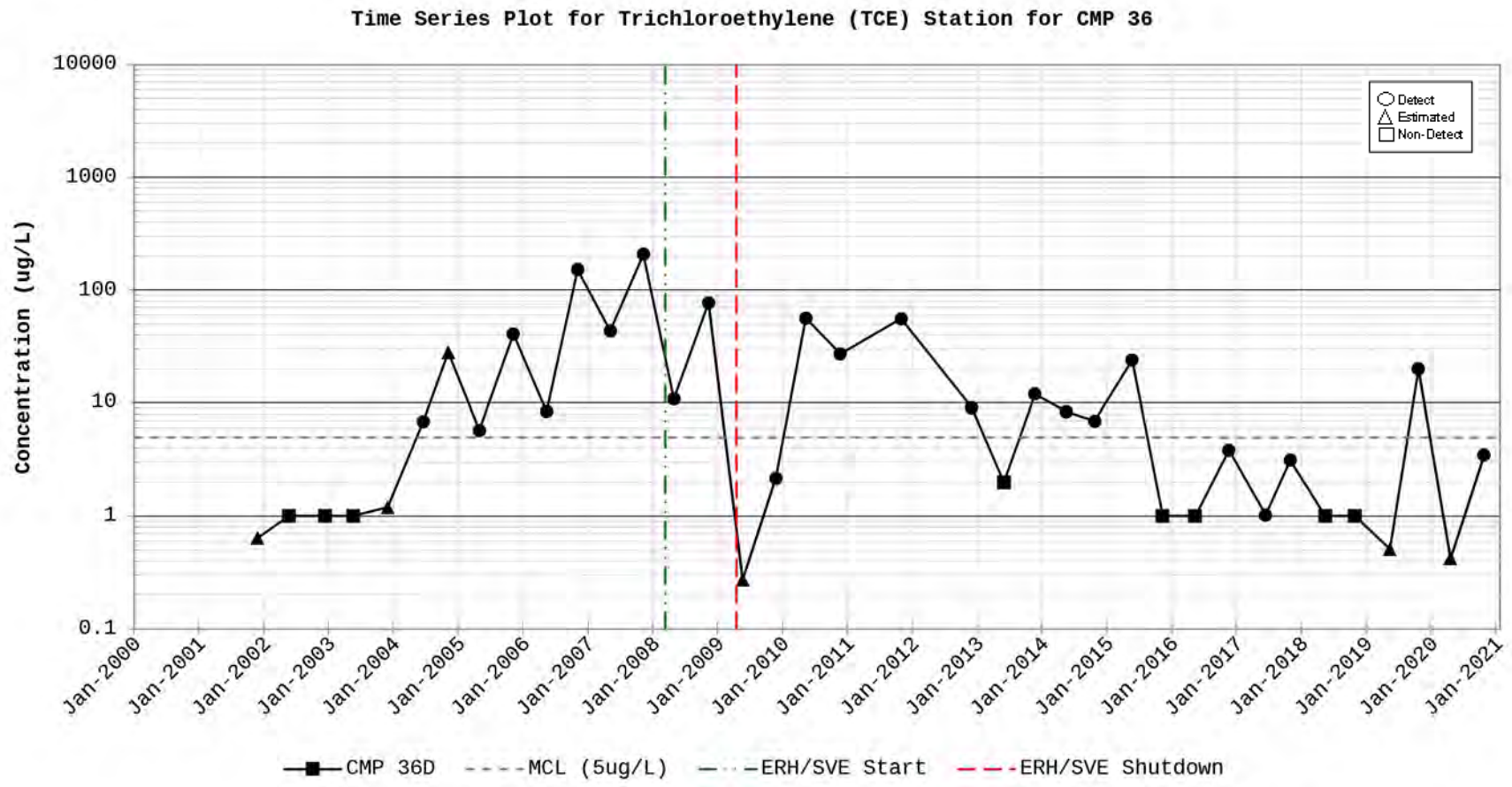

Time Series Plot for Trichloroethylene (TCE) Station for CMP 31
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 31C
CMP 31B
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

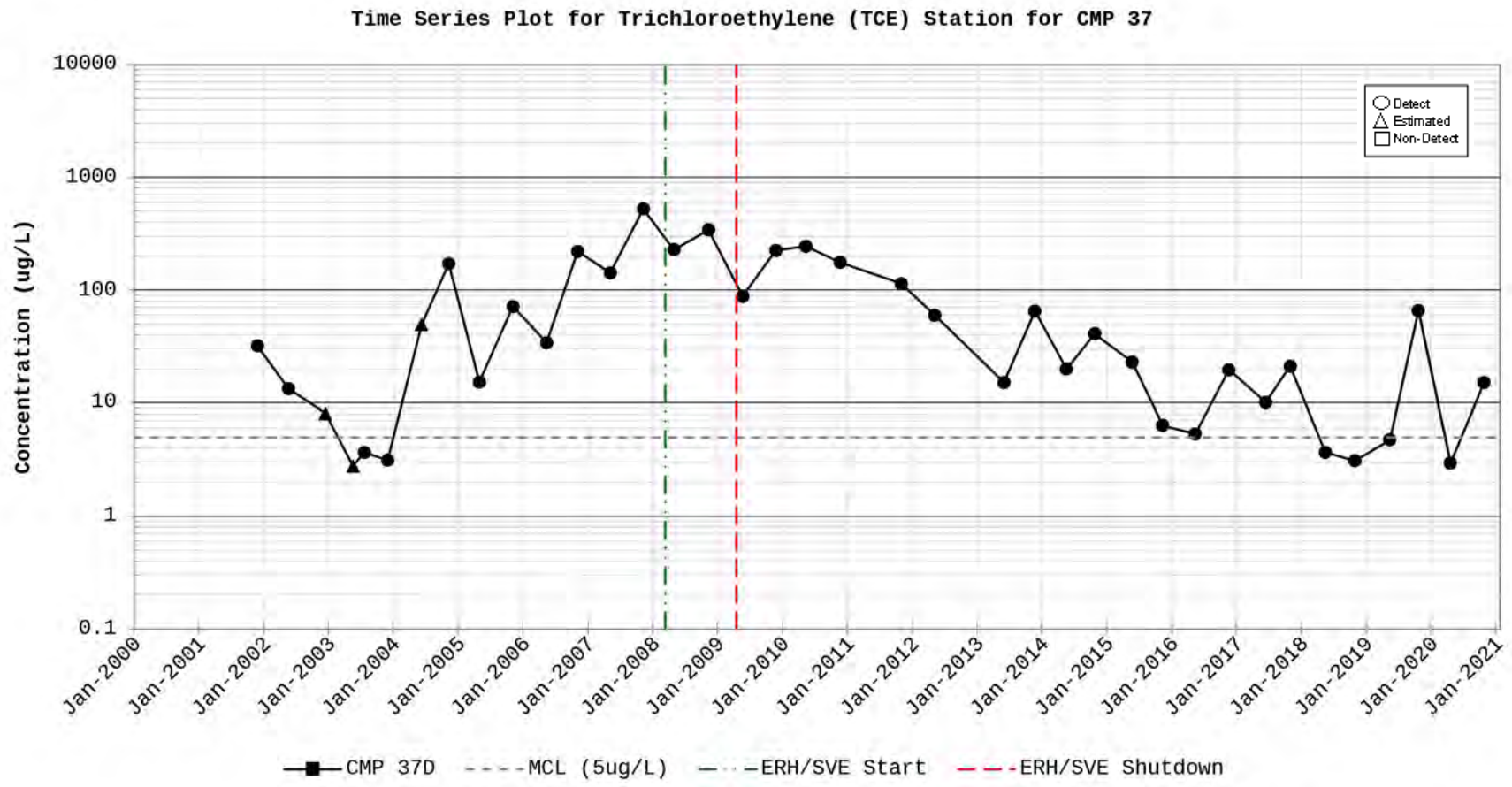

Time Series Plot for Trichloroethylene (TCE) Station for CMP 32
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 32B
CMP 32C
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

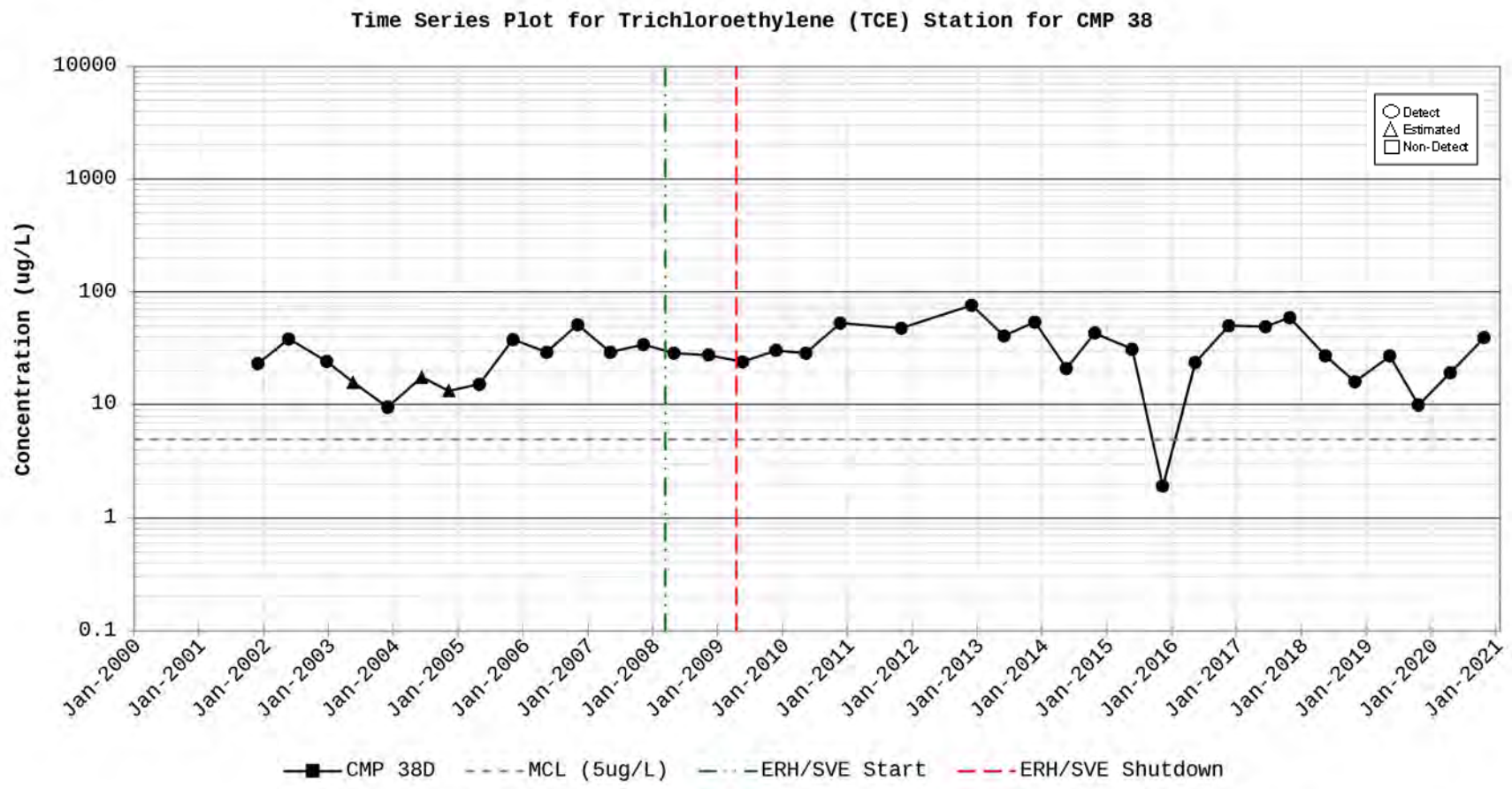

Time Series Plot for Trichloroethylene (TCE) Station for CMP 33
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 33D
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

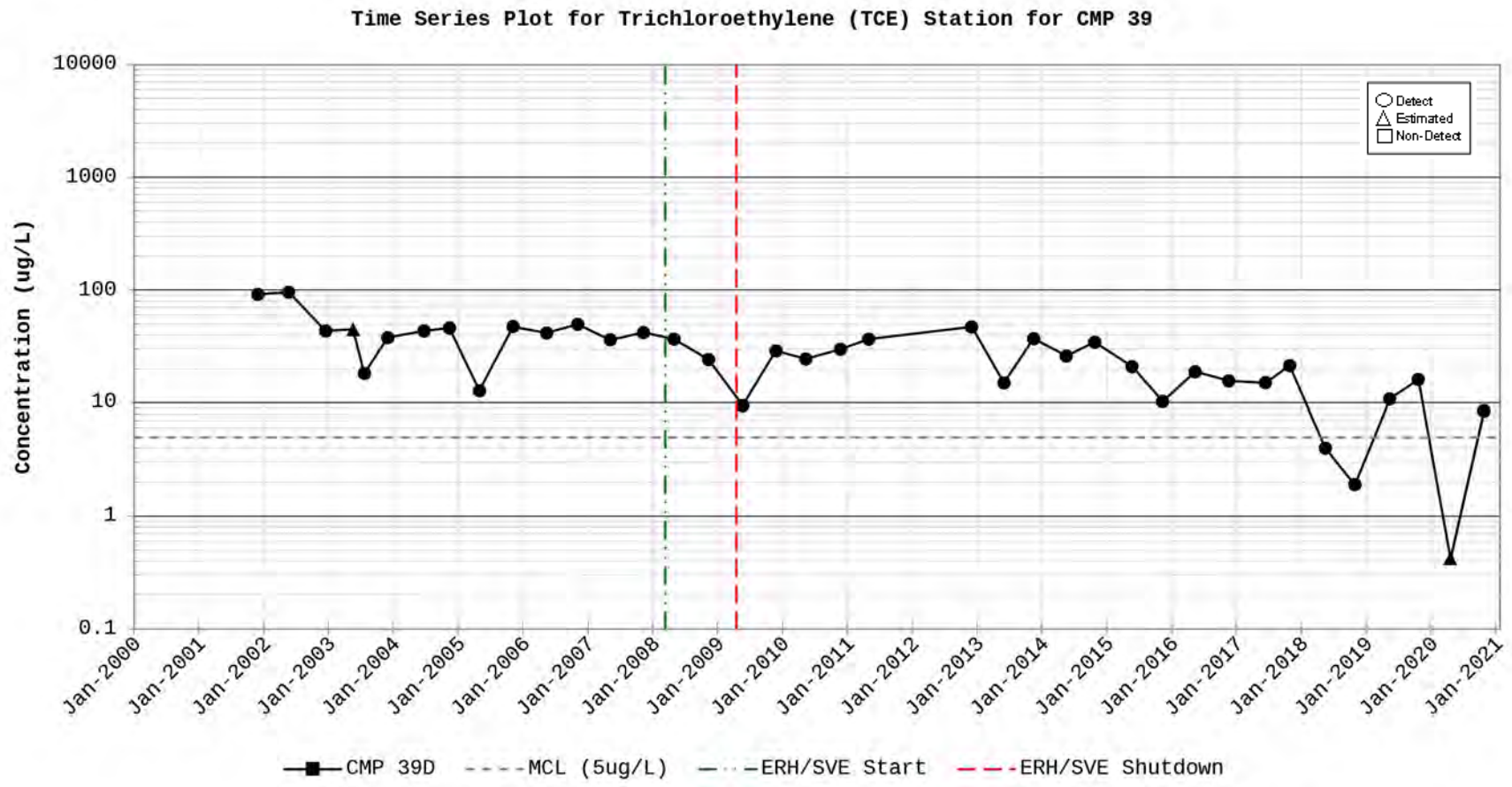

Time Series Plot for Trichloroethylene (TCE) Station for CMP 34D
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 34D
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

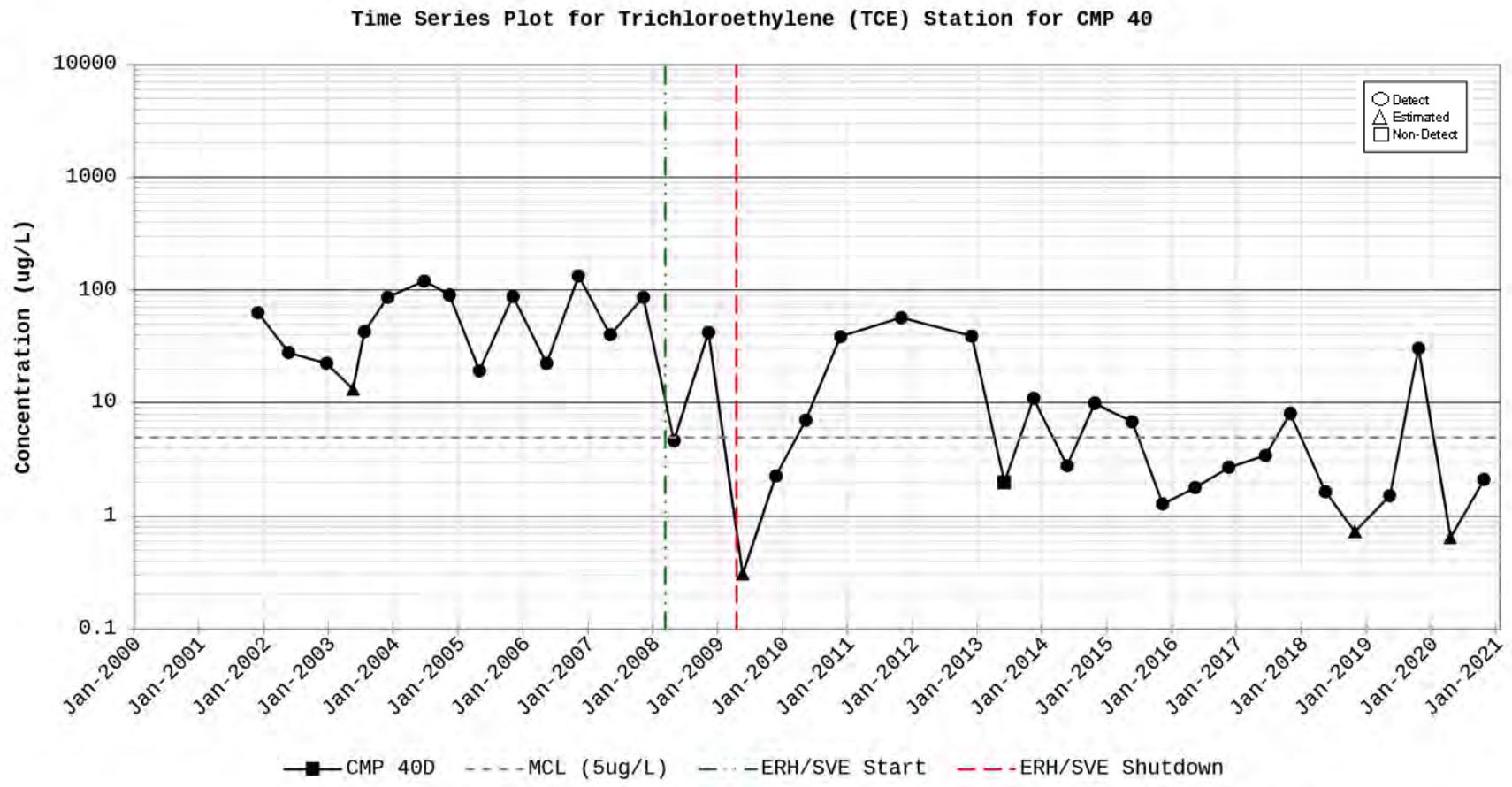

Time Series Plot for Trichloroethylene (TCE) Station for CMP 35
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 35D
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

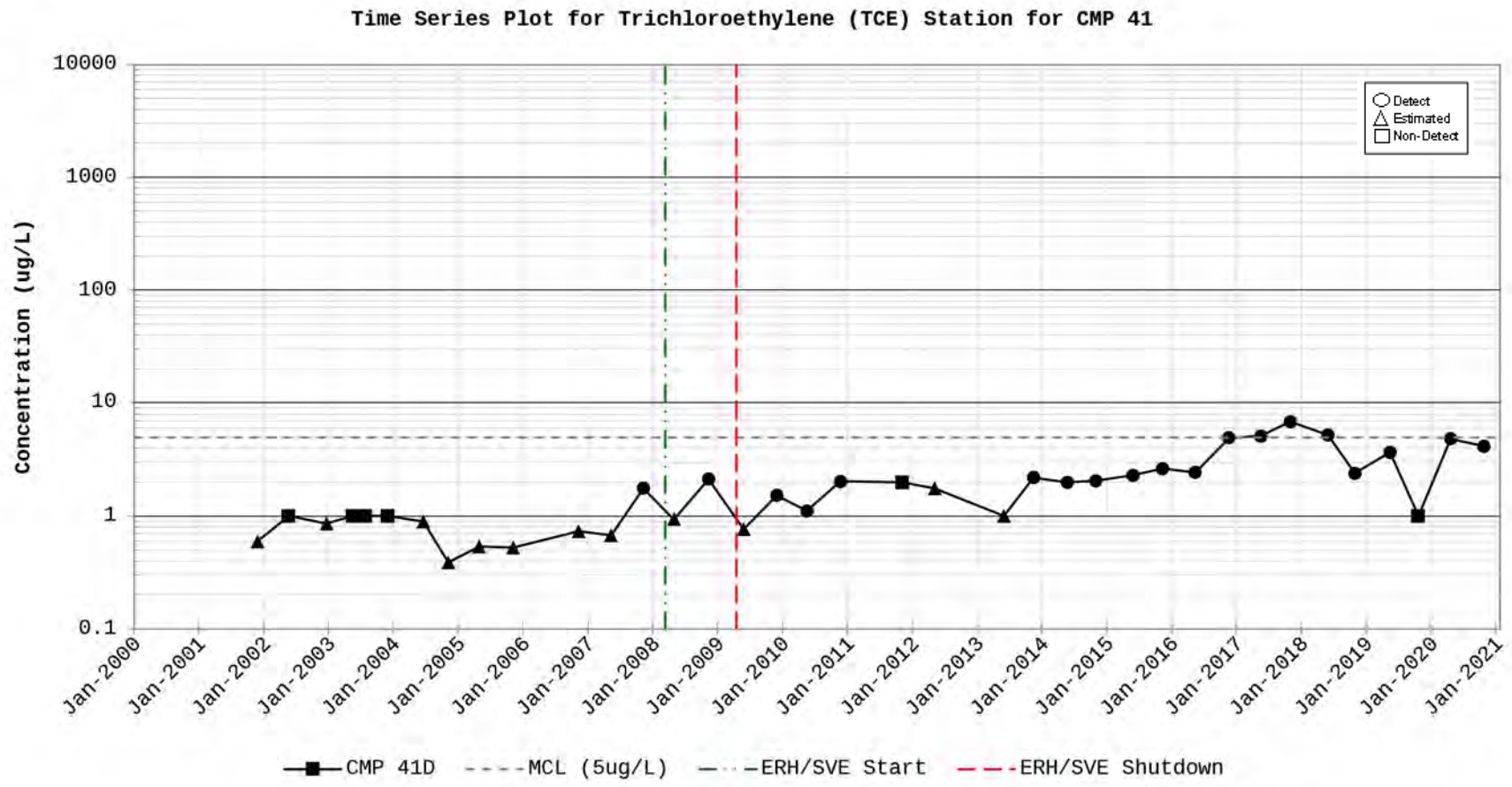

Time Series Plot for Trichloroethylene (TCE) Station for CMP 36
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 36D
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

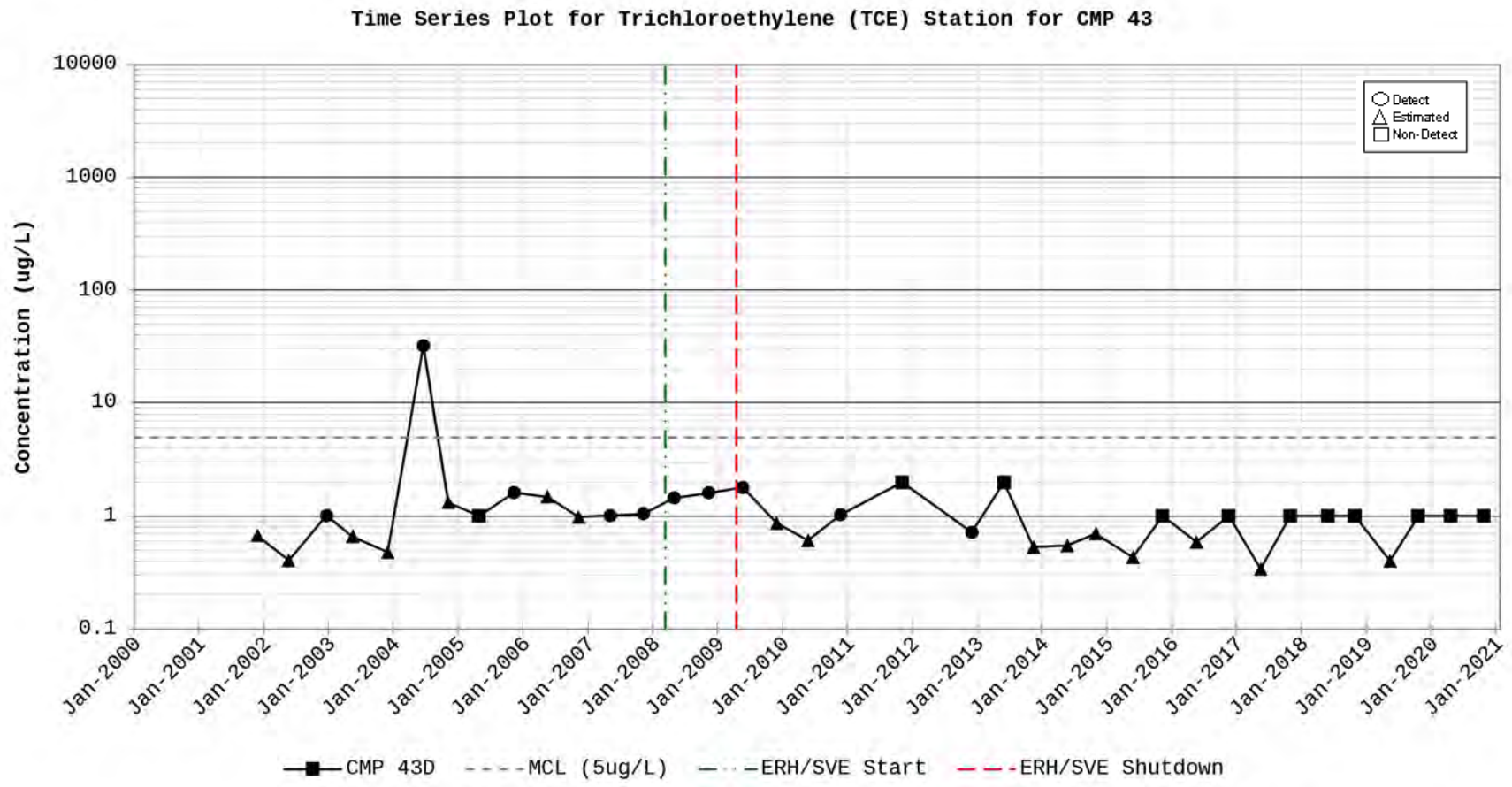

Time Series Plot for Trichloroethylene (TCE) Station for CMP 37
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 37D
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

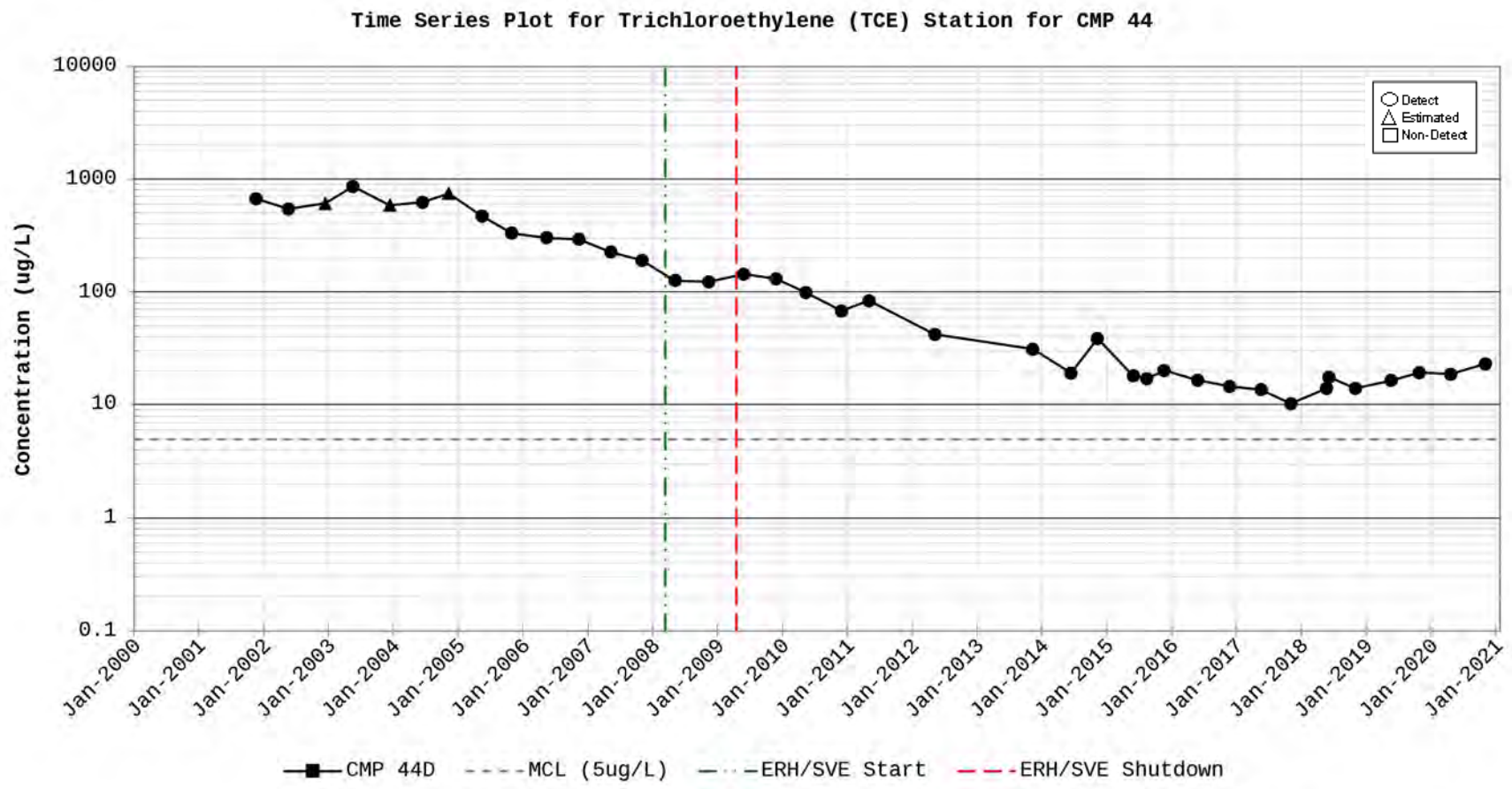

Time Series Plot for Trichloroethylene (TCE) Station for CMP 38
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 38D
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

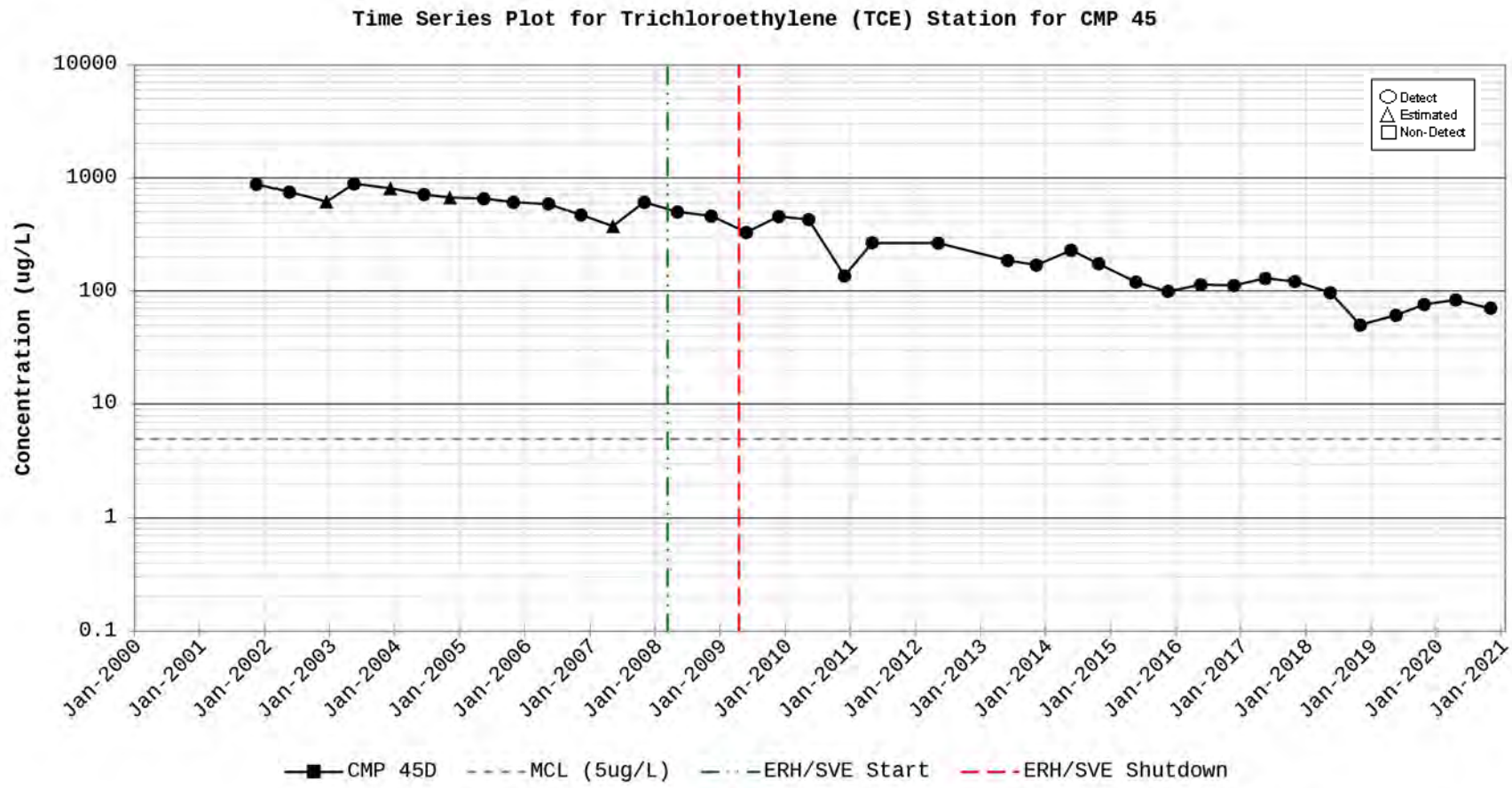

Time Series Plot for Trichloroethylene (TCE) Station for CMP 39
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 39D
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

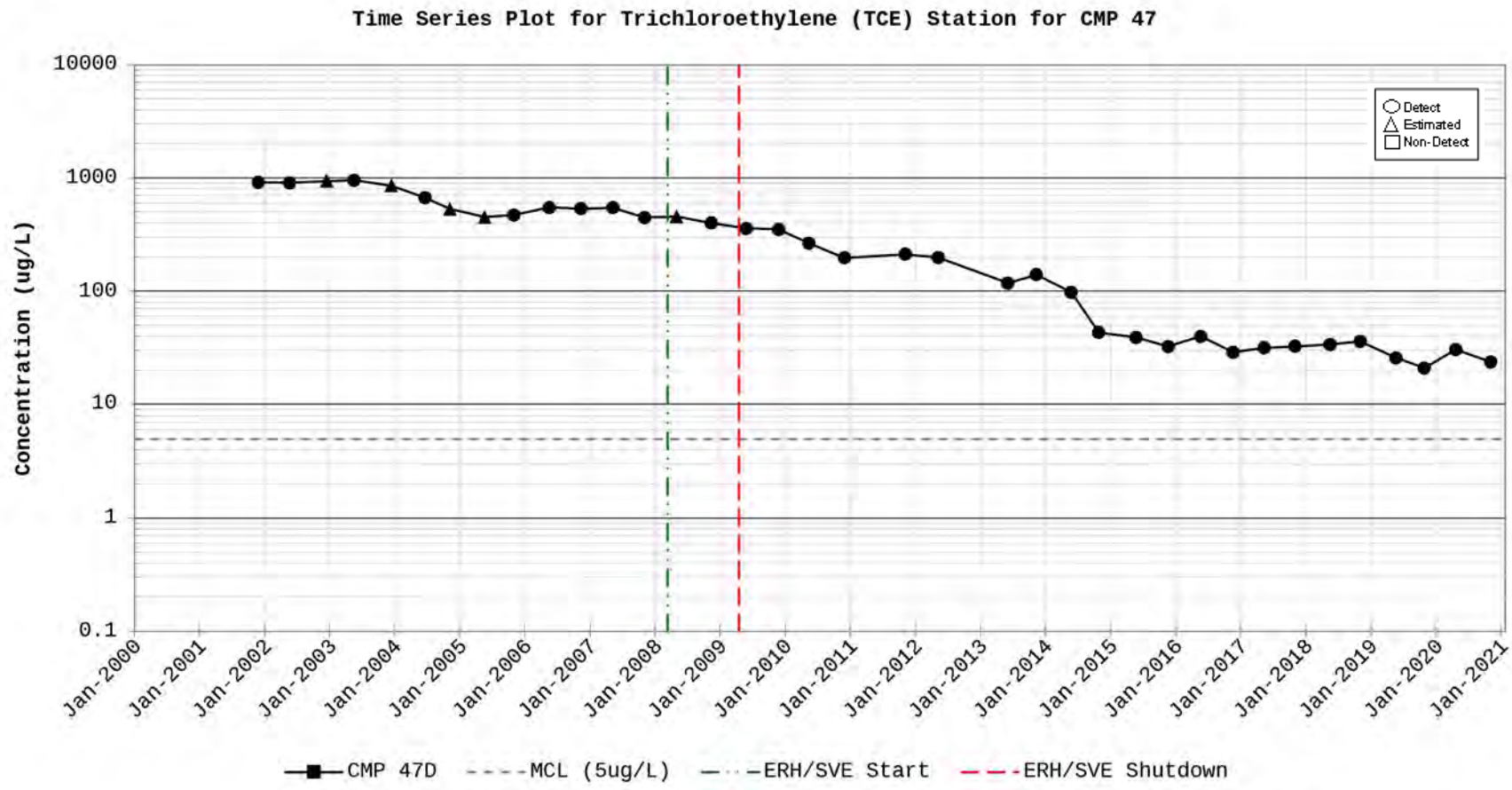

Time Series Plot for Trichloroethylene (TCE) Station for CMP 40
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 40D
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

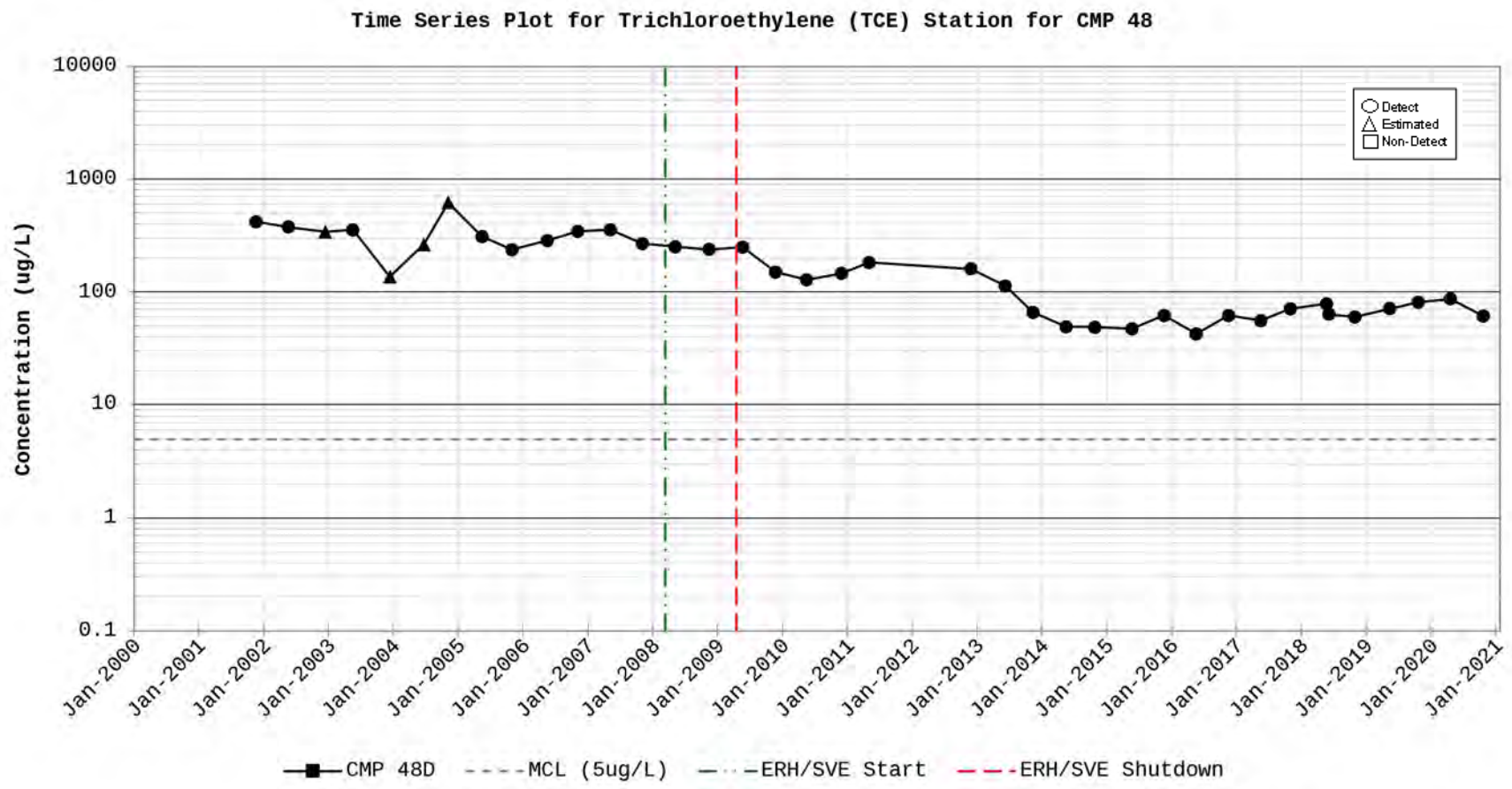

Time Series Plot for Trichloroethylene (TCE) Station for CMP 41
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 41D
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

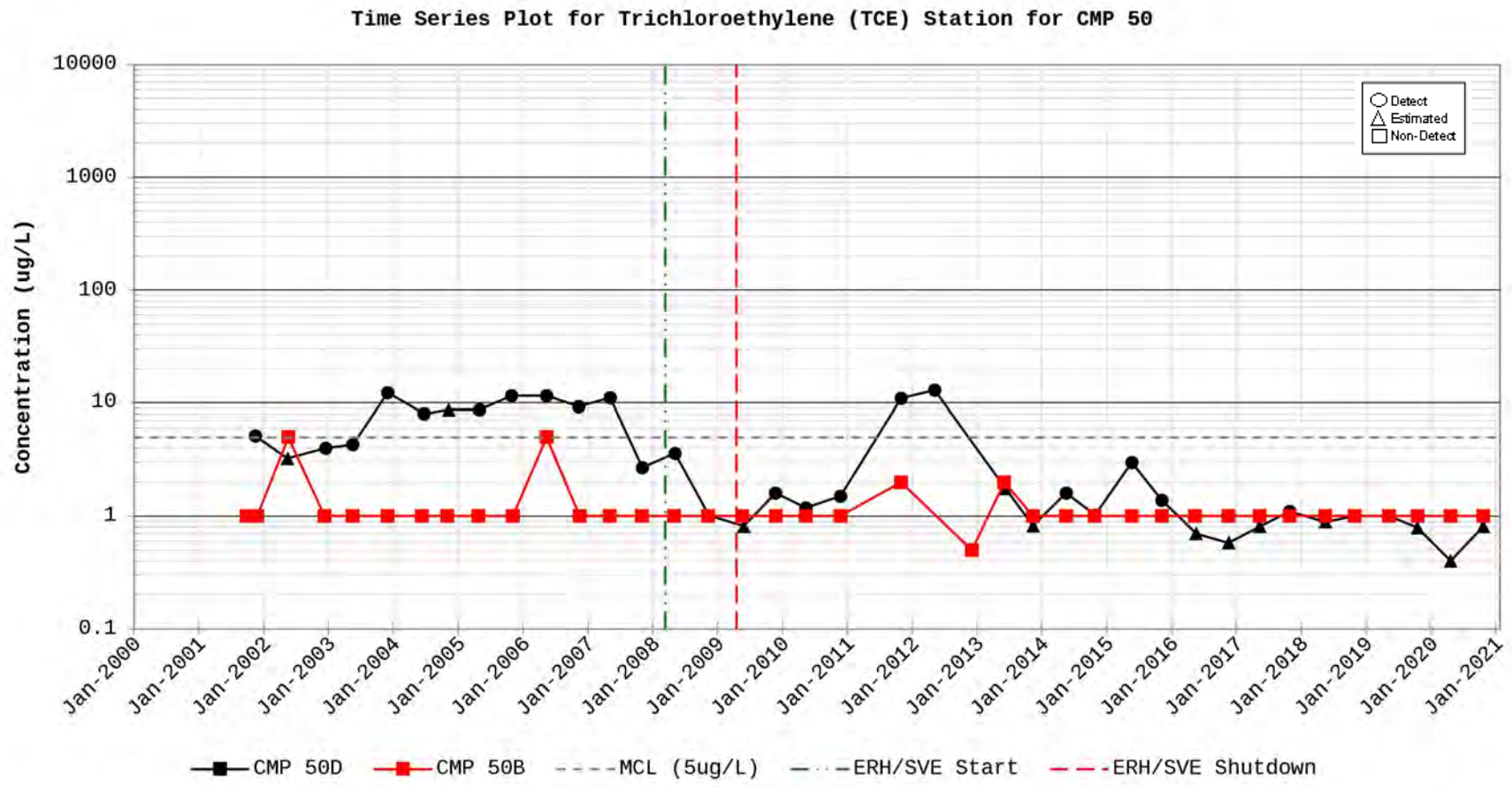

Time Series Plot for Trichloroethylene (TCE) Station for CMP 43
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 43D
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

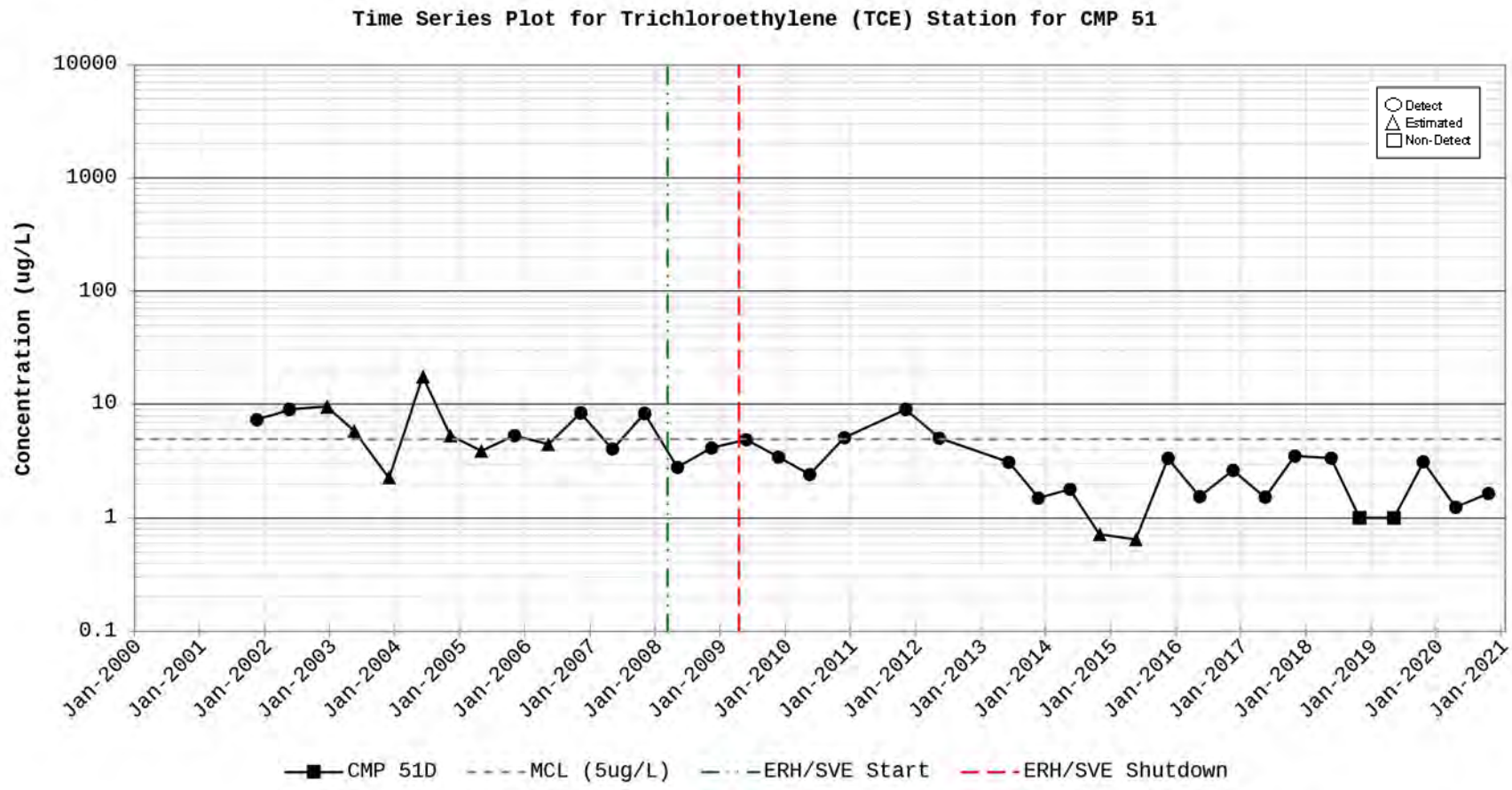

Time Series Plot for Trichloroethylene (TCE) Station for CMP 44
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 44D
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

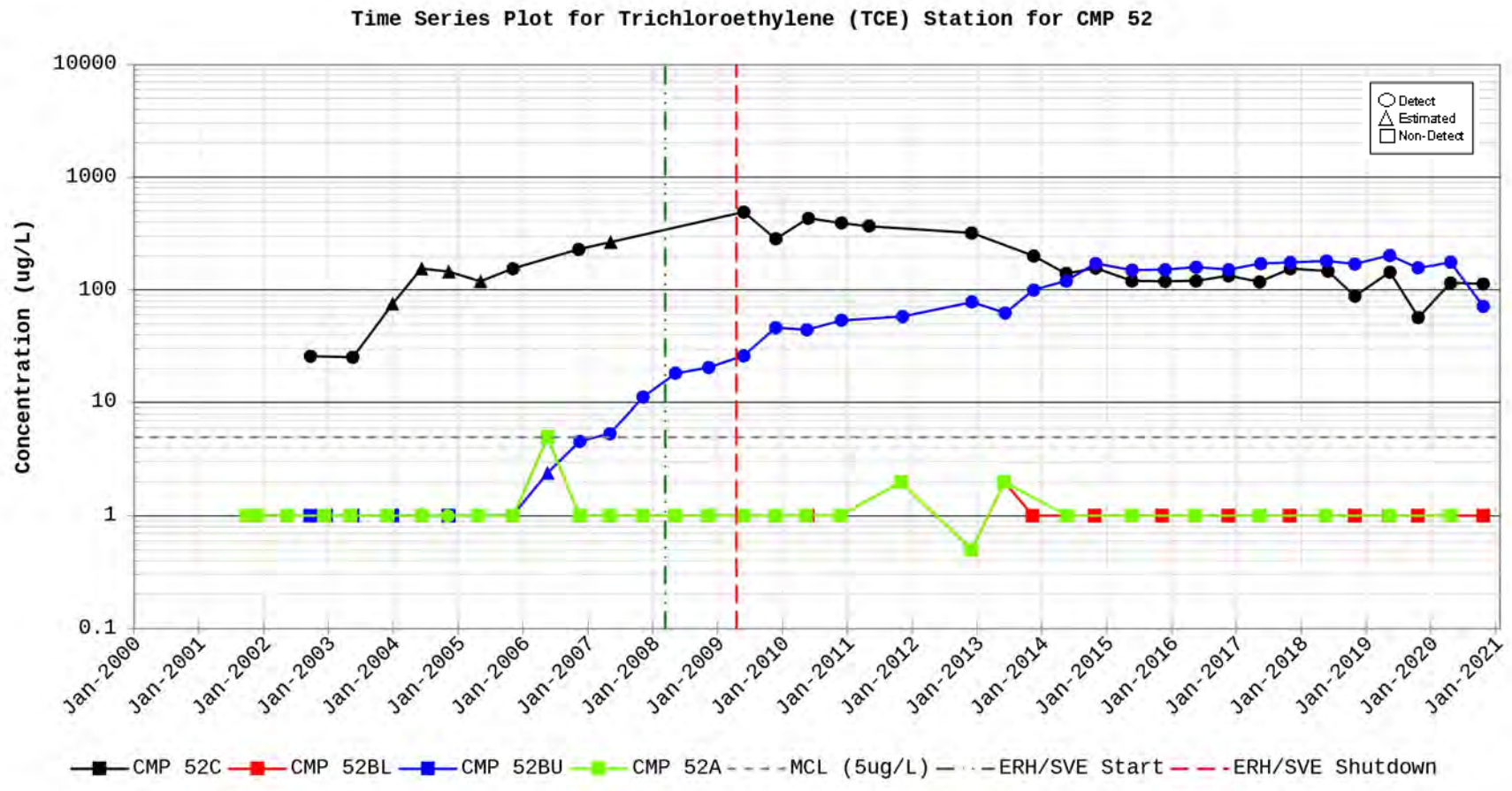

Time Series Plot for Trichloroethylene (TCE) Station for CMP 45
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 45D
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

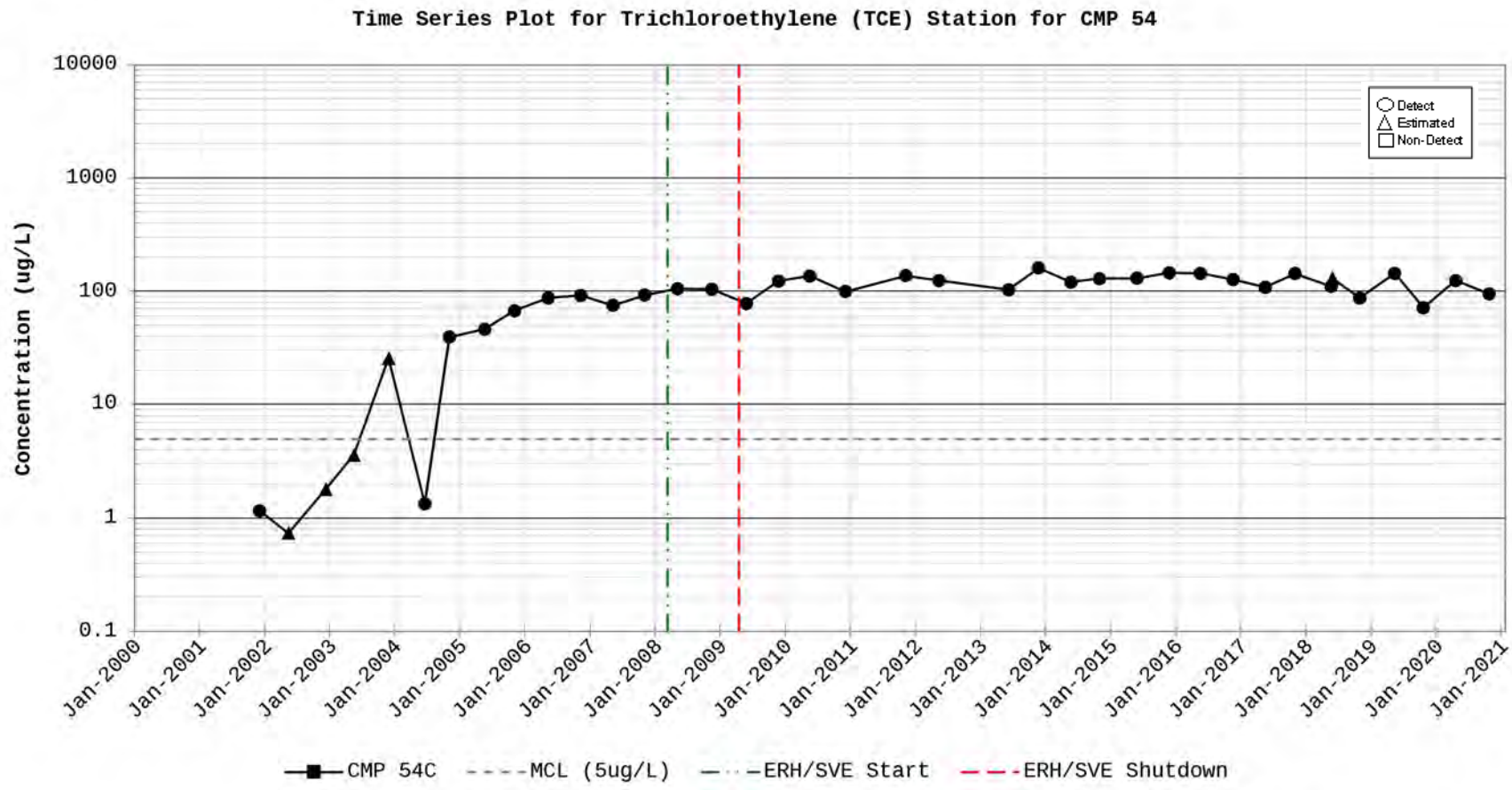

Time Series Plot for Trichloroethylene (TCE) Station for CMP 47
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 47D
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

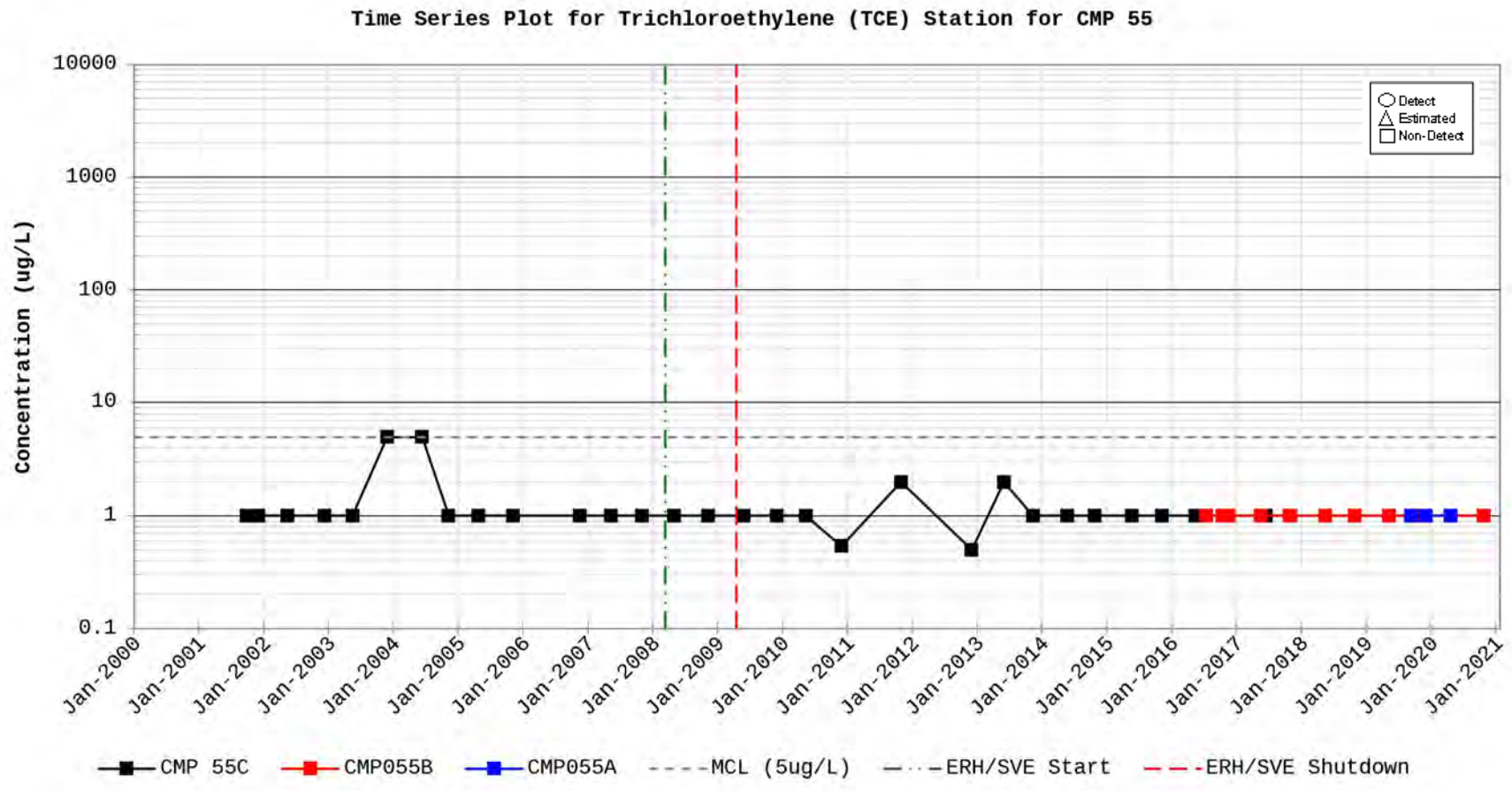

Time Series Plot for Trichloroethylene (TCE) Station for CMP 48
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 48D
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

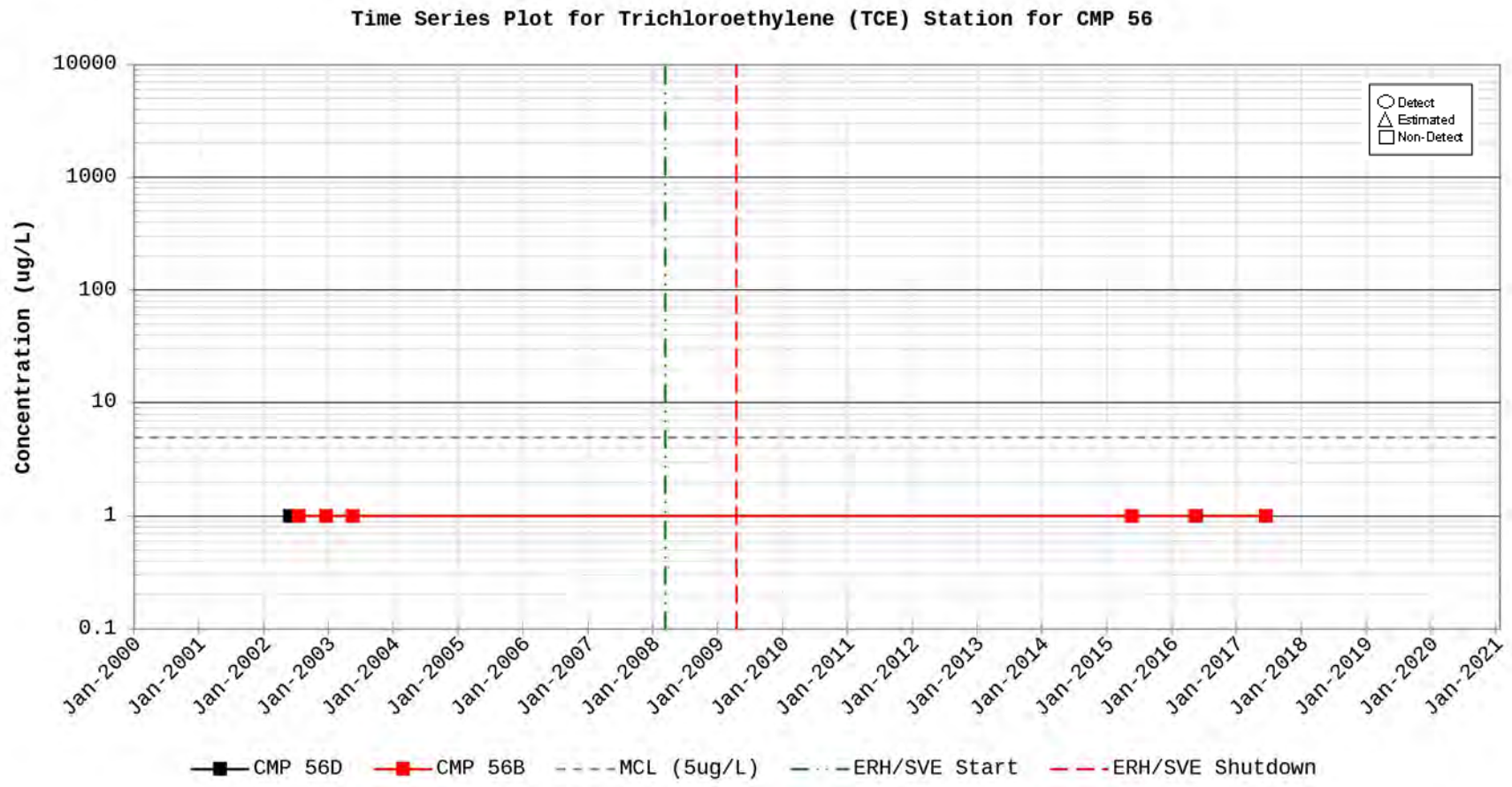

Time Series Plot for Trichloroethylene (TCE) Station for CMP 50
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 50D
CMP 50B
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

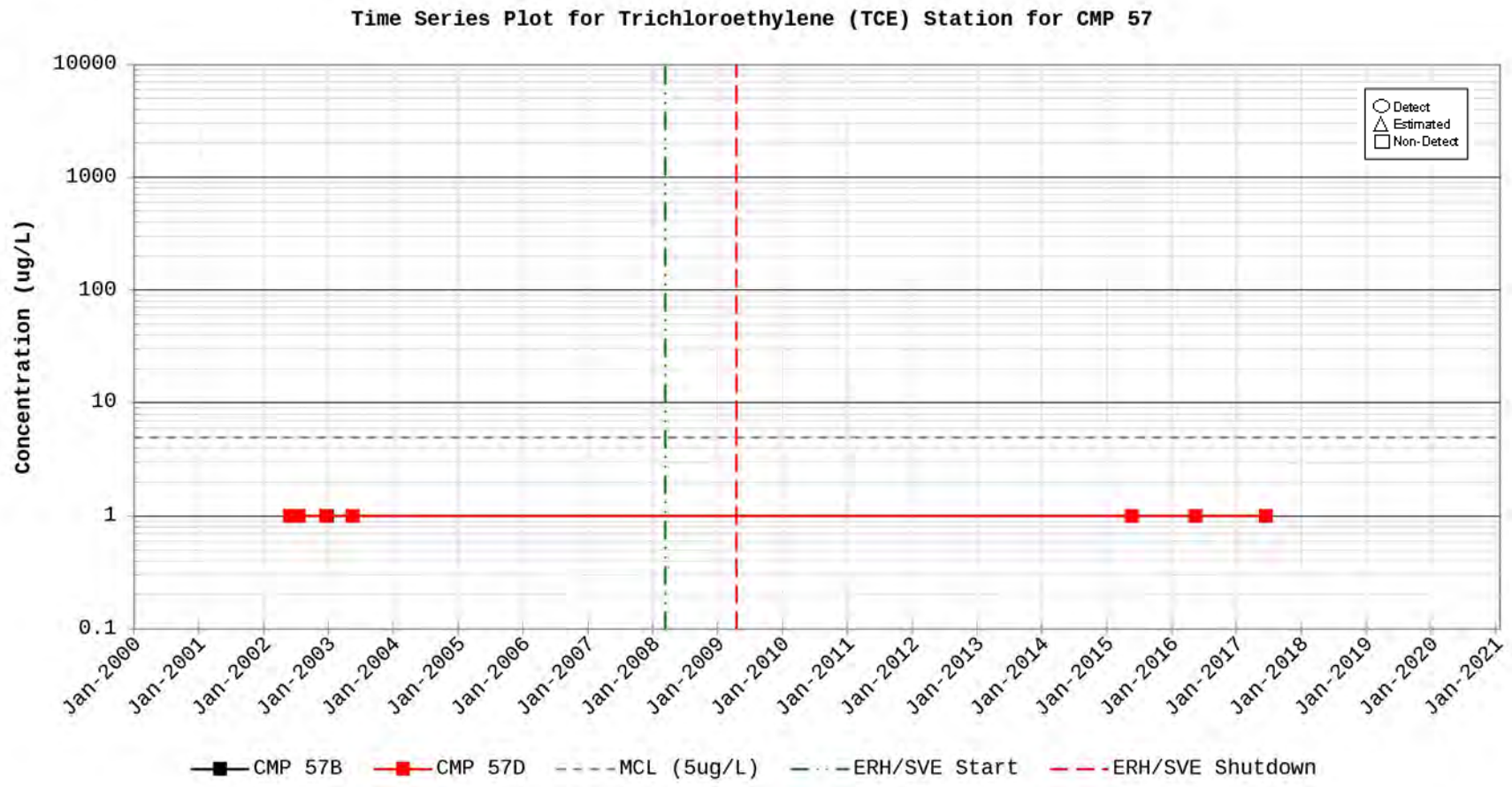

Time Series Plot for Trichloroethylene (TCE) Station for CMP 51
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 51D
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

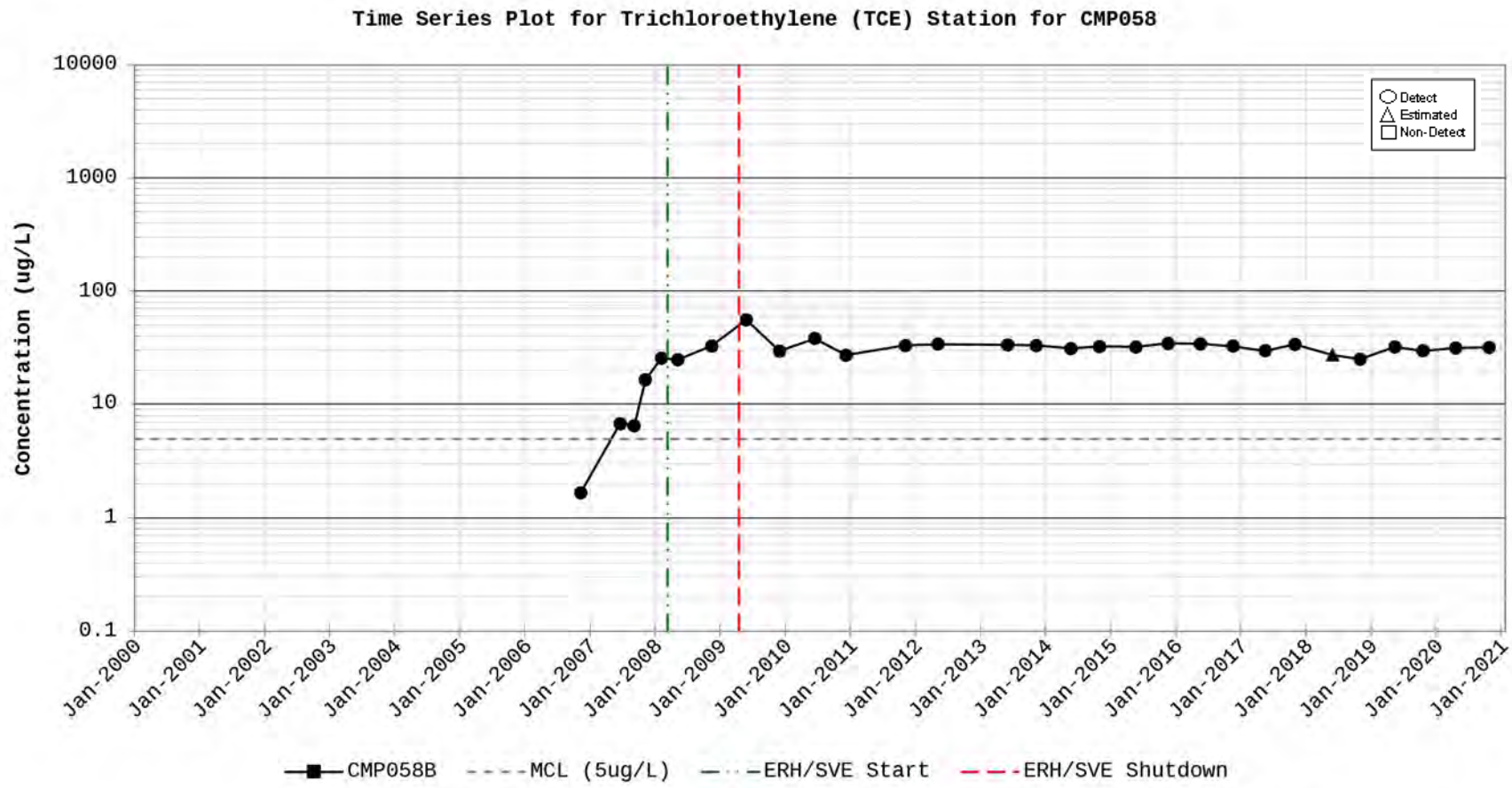

Time Series Plot for Trichloroethylene (TCE) Station for CMP 52
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 52C
CMP 52BL
CMP 52BU
CMP 52A
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

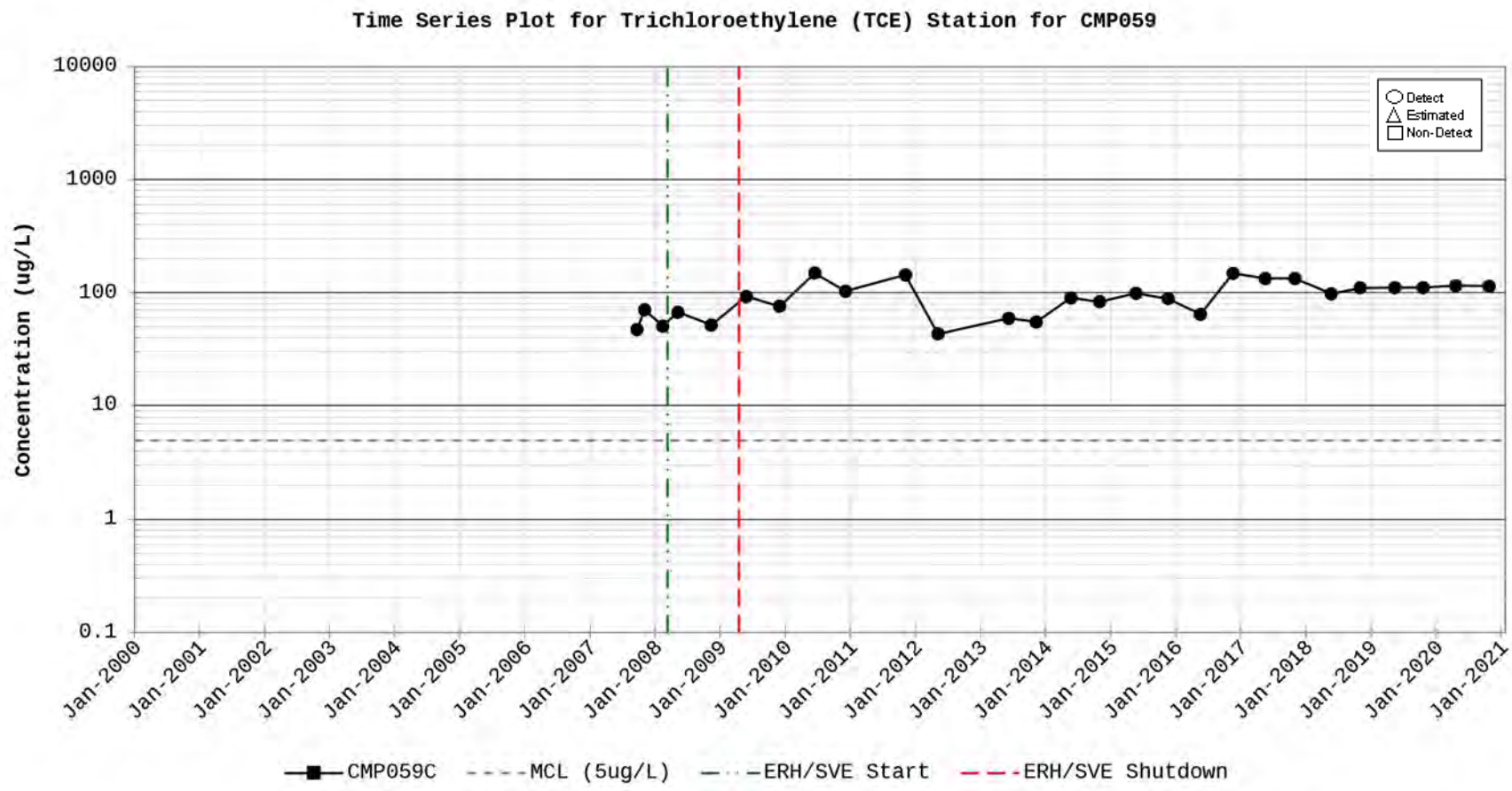

Time Series Plot for Trichloroethylene (TCE) Station for CMP 54
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 54C
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

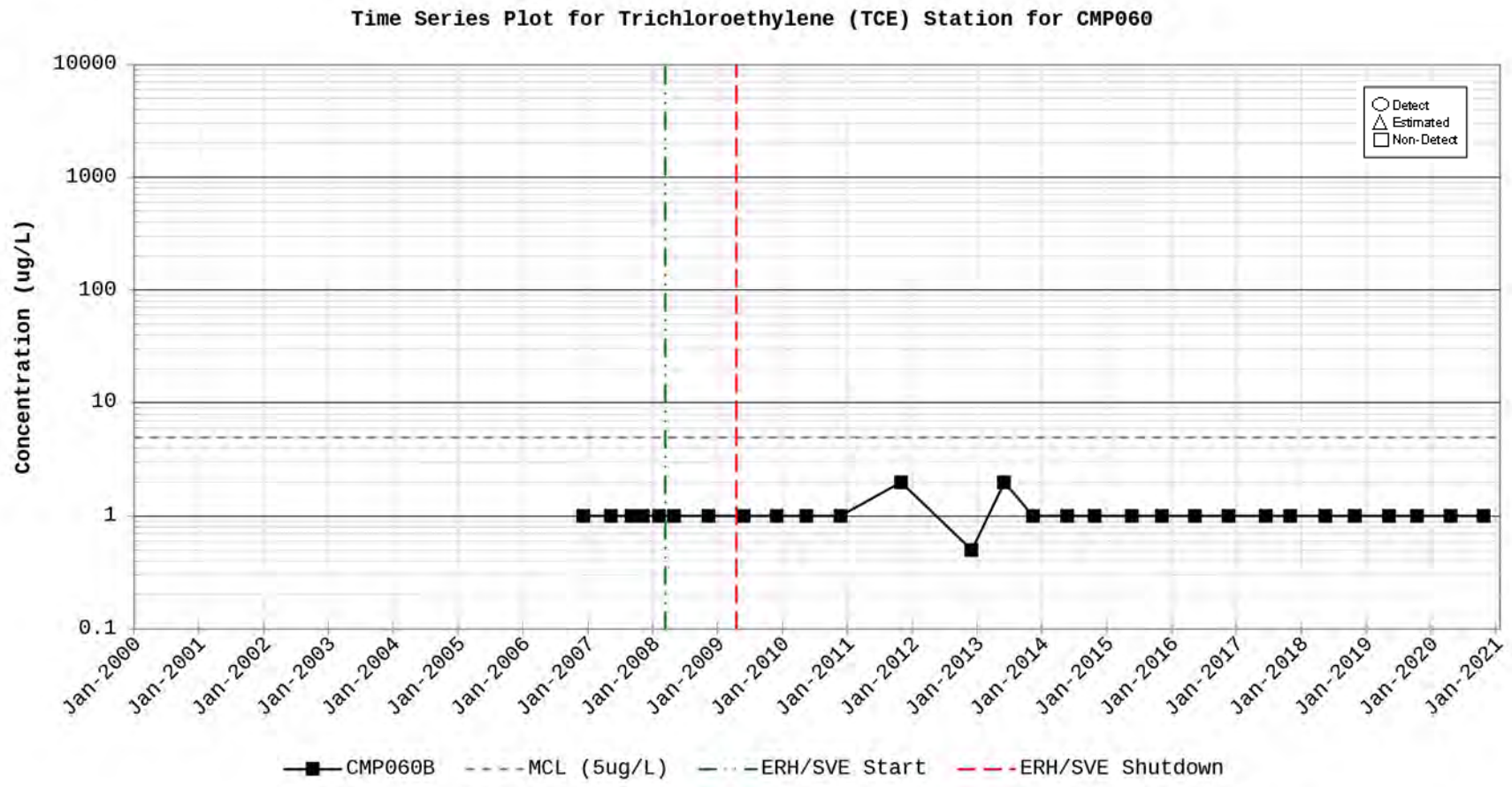

Time Series Plot for Trichloroethylene (TCE) Station for CMP 55
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 55C
CMP055B
CMP055A
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

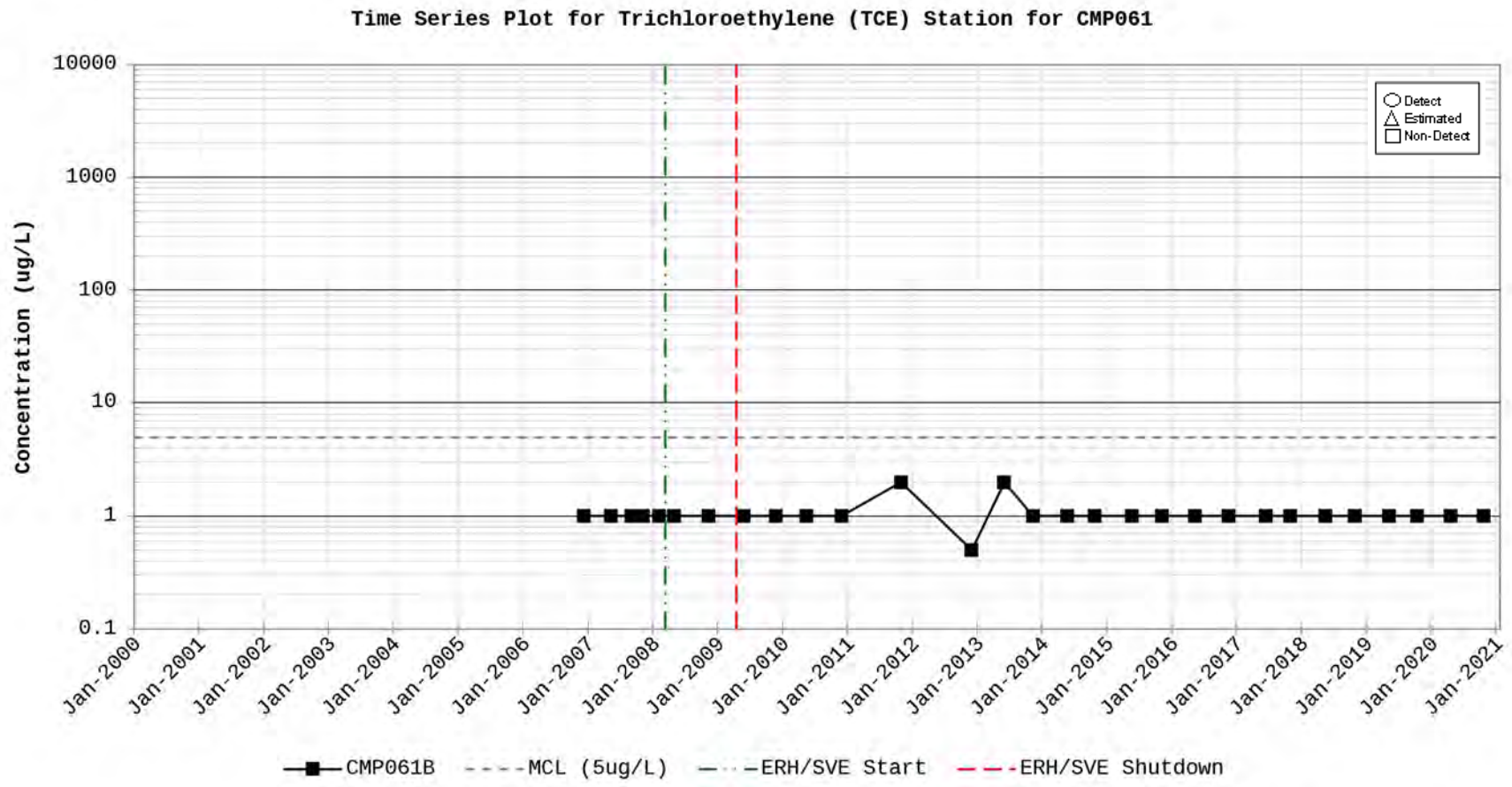

Time Series Plot for Trichloroethylene (TCE) Station for CMP 56
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 56D
CMP 56B
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

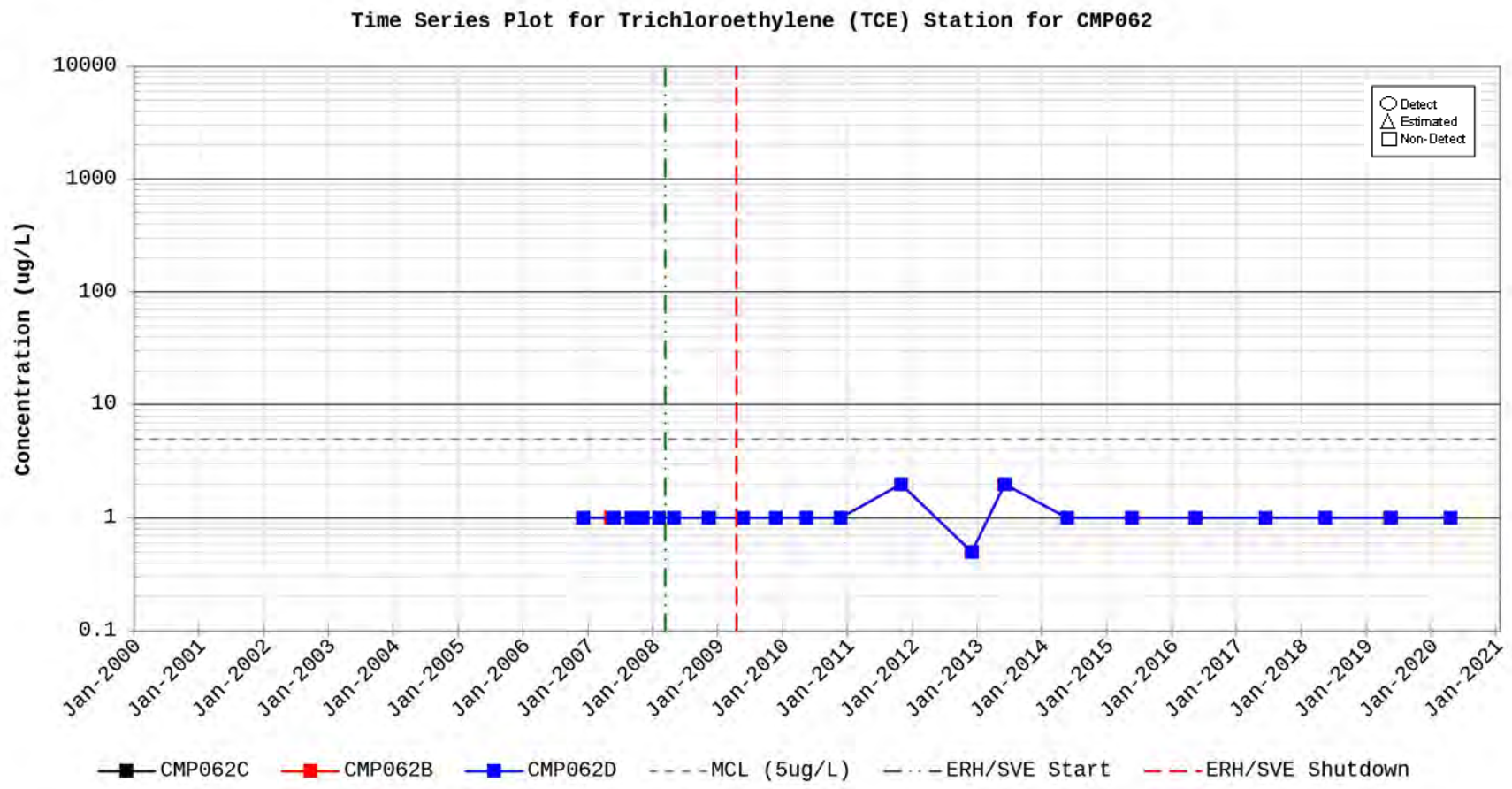

Time Series Plot for Trichloroethylene (TCE) Station for CMP 57
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 57B
CMP 57D
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

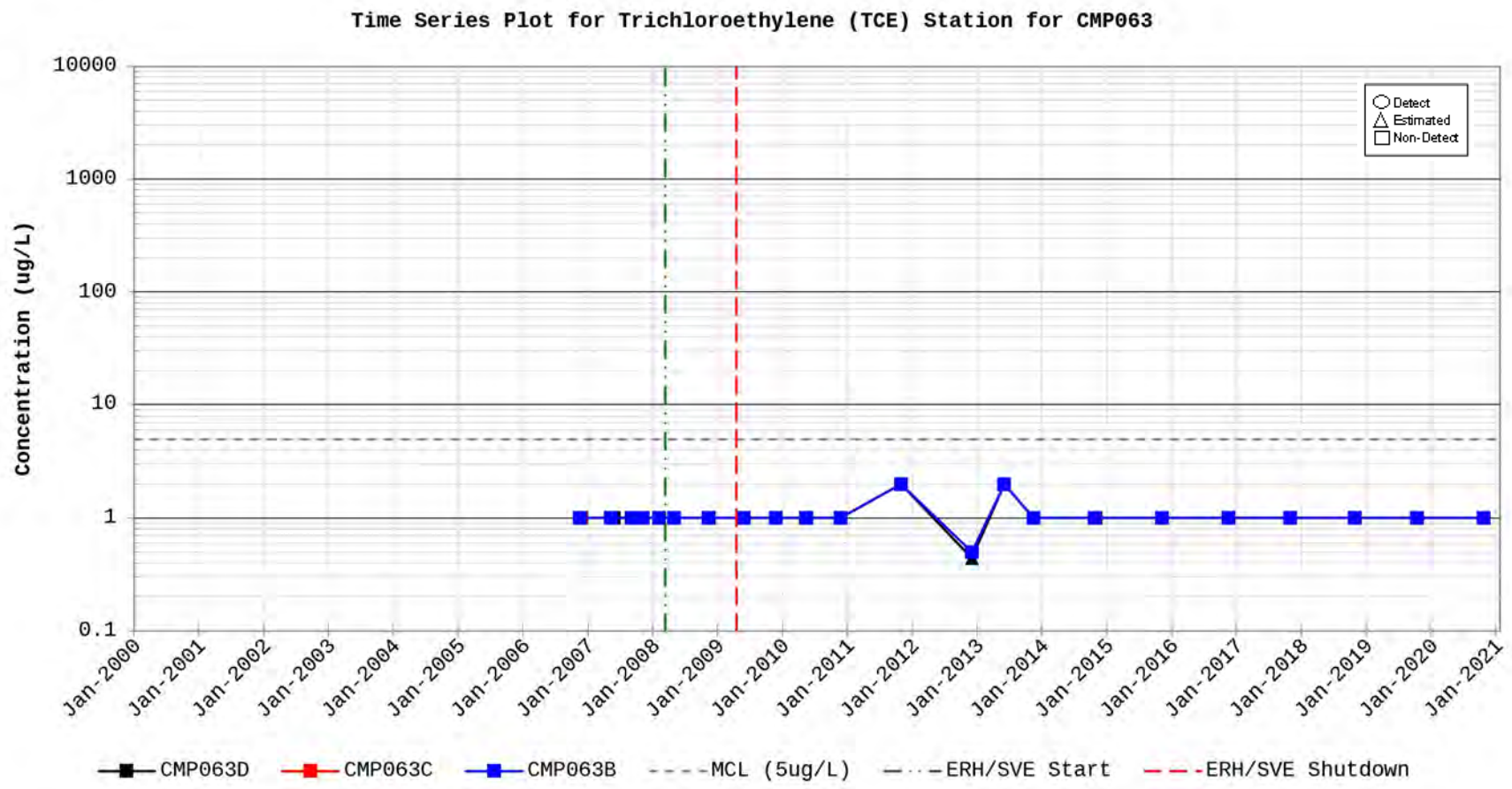

Time Series Plot for Trichloroethylene (TCE) Station for CMP058
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP058B
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

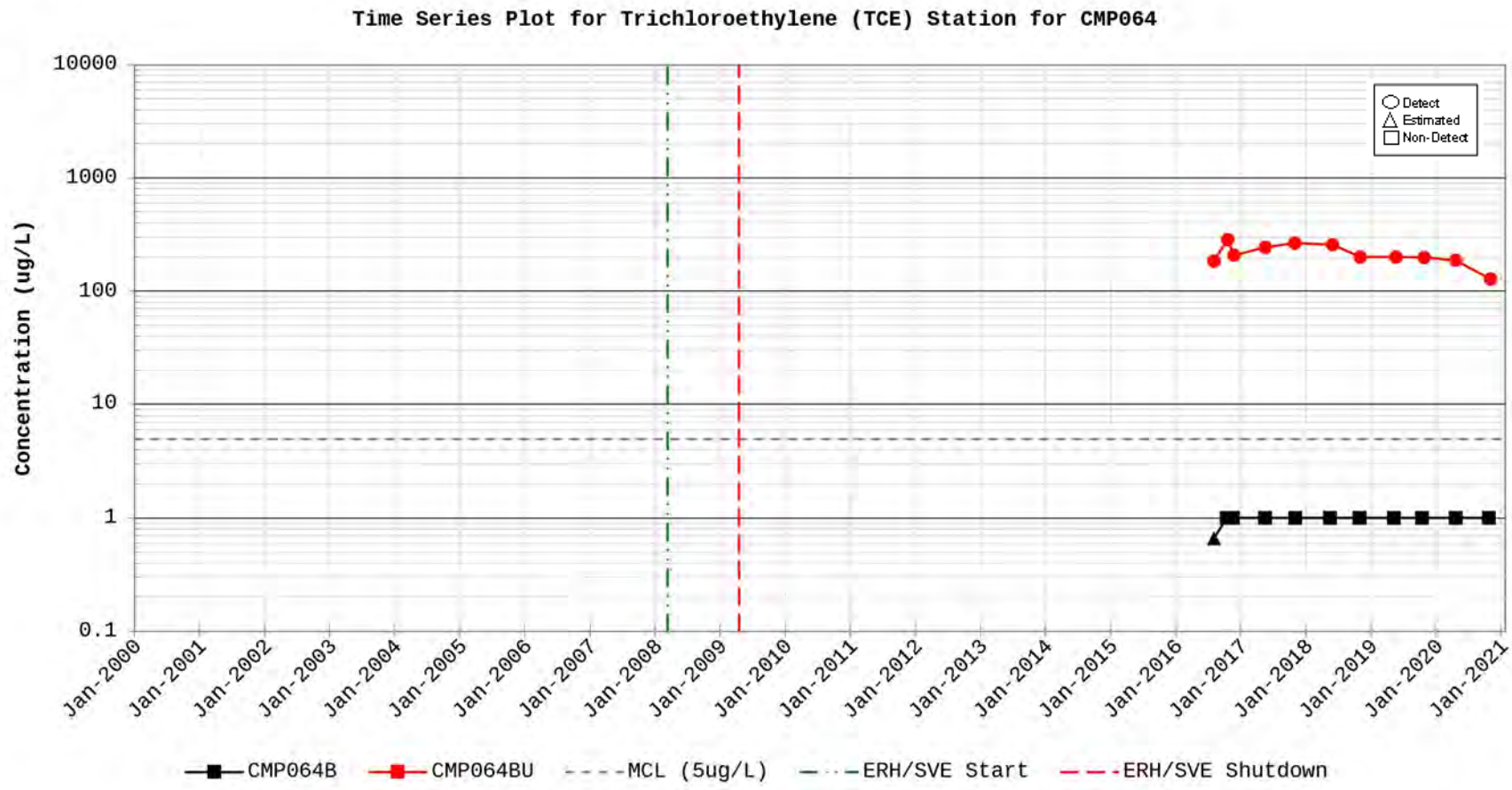

Time Series Plot for Trichloroethylene (TCE) Station for CMP059
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP059C
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

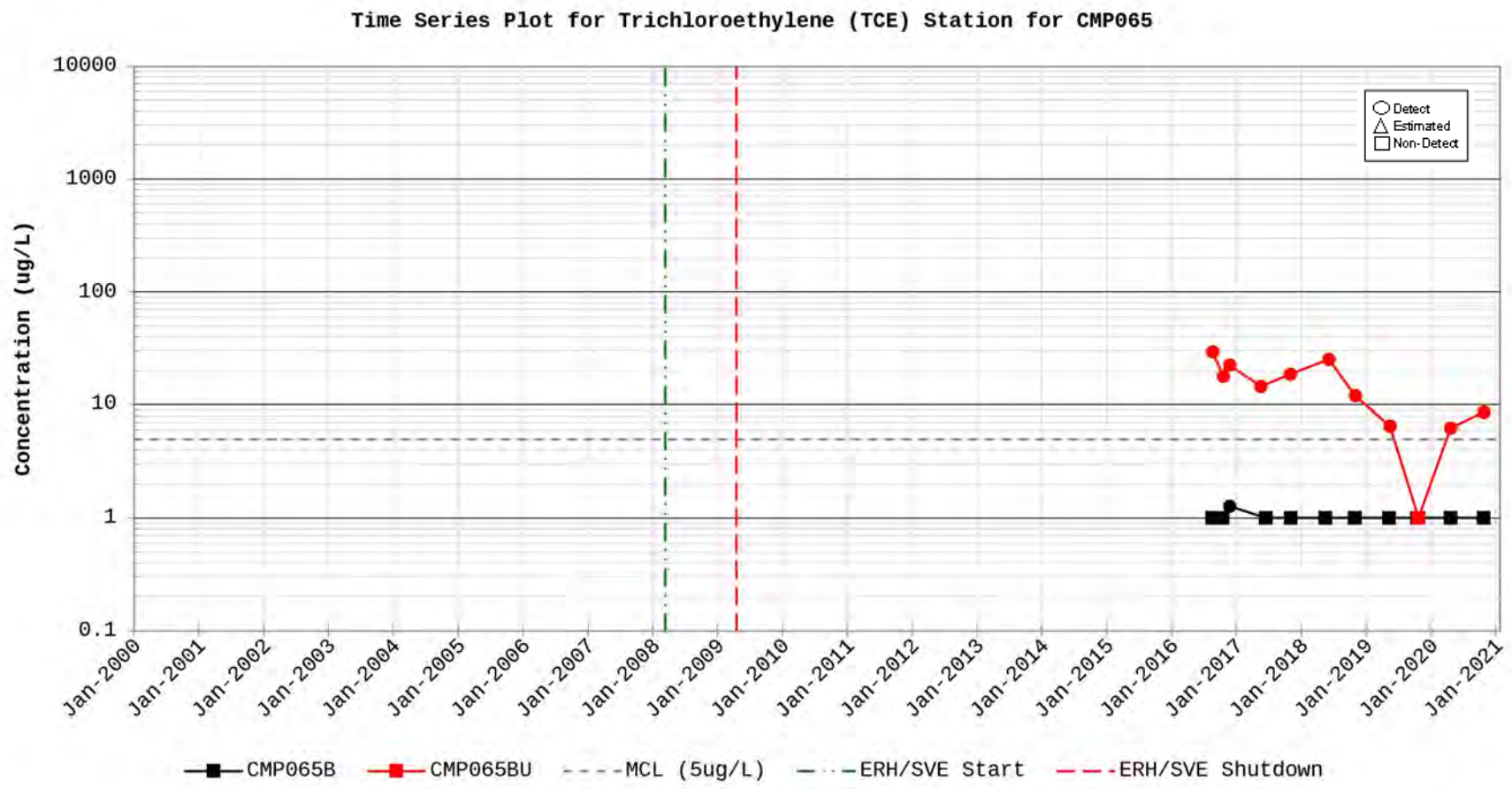

Time Series Plot for Trichloroethylene (TCE) Station for CMP060
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP060B
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

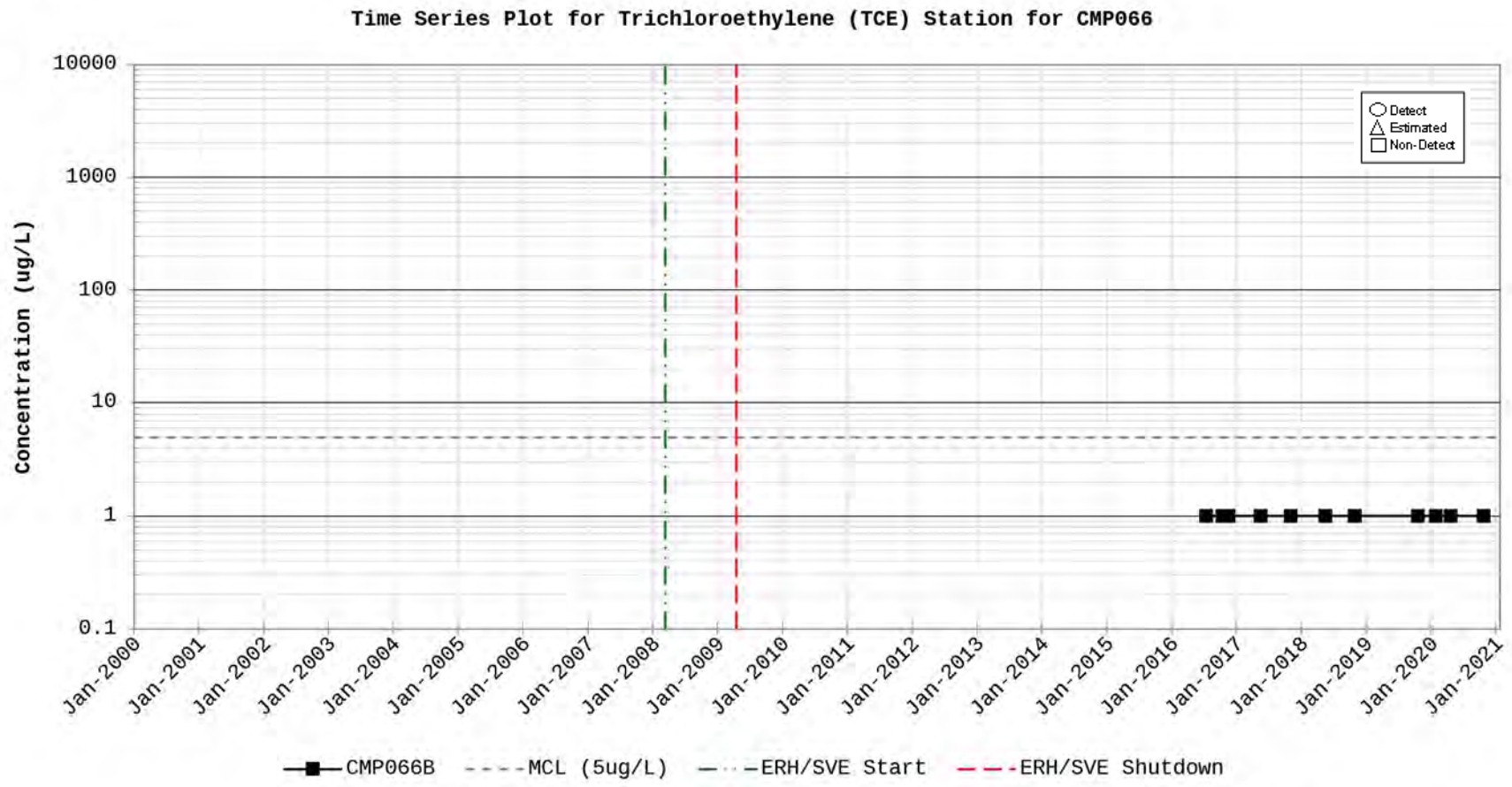

Time Series Plot for Trichloroethylene (TCE) Station for CMP061
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP061B
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

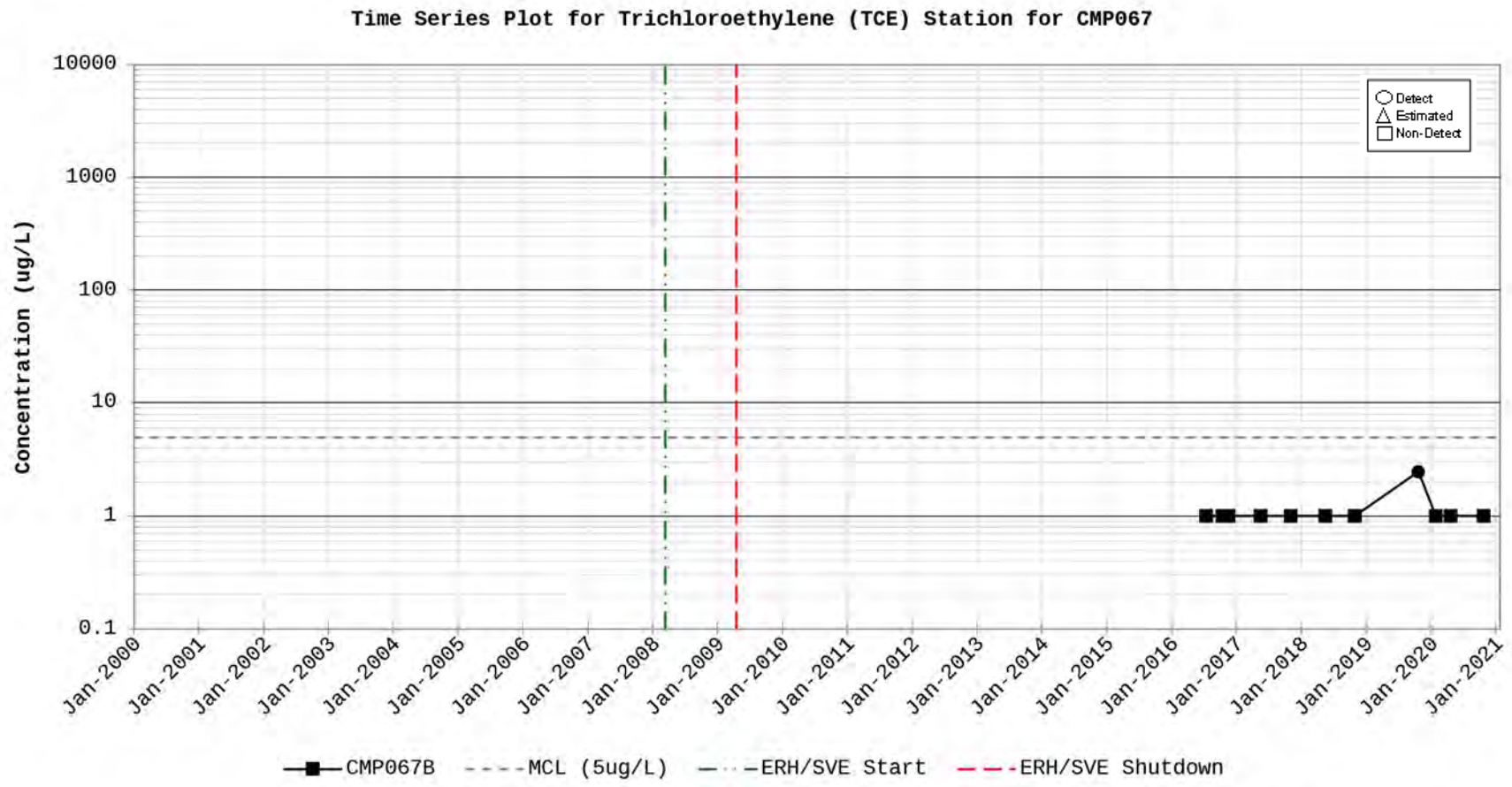

Time Series Plot for Trichloroethylene (TCE) Station for CMP062
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP062C
CMP062B
CMP062D
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

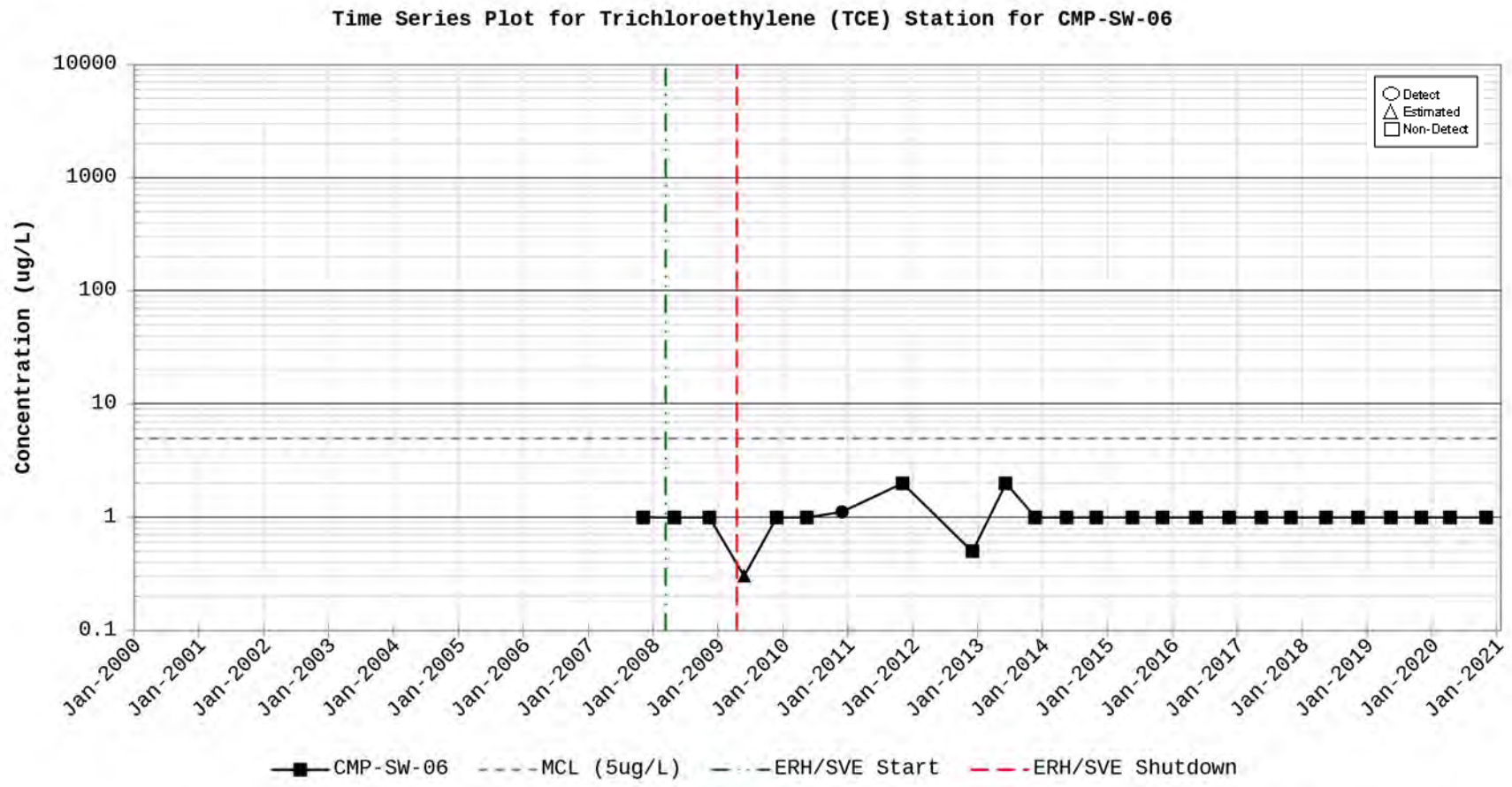

Time Series Plot for Trichloroethylene (TCE) Station for CMP063
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP063D
CMP063C
CMP063B
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

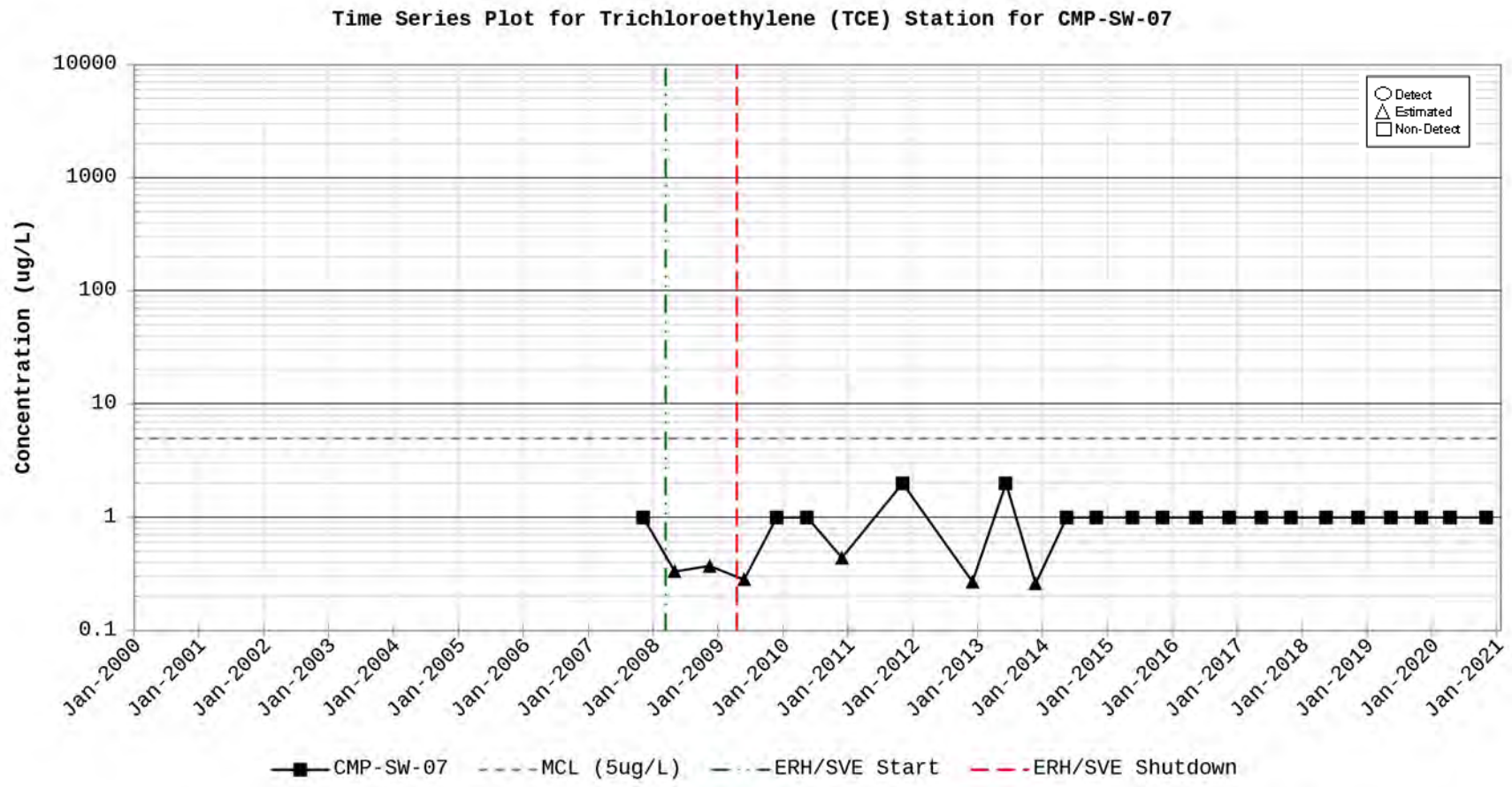

Time Series Plot for Trichloroethylene (TCE) Station for CMP064
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP064B
CMP064BU
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

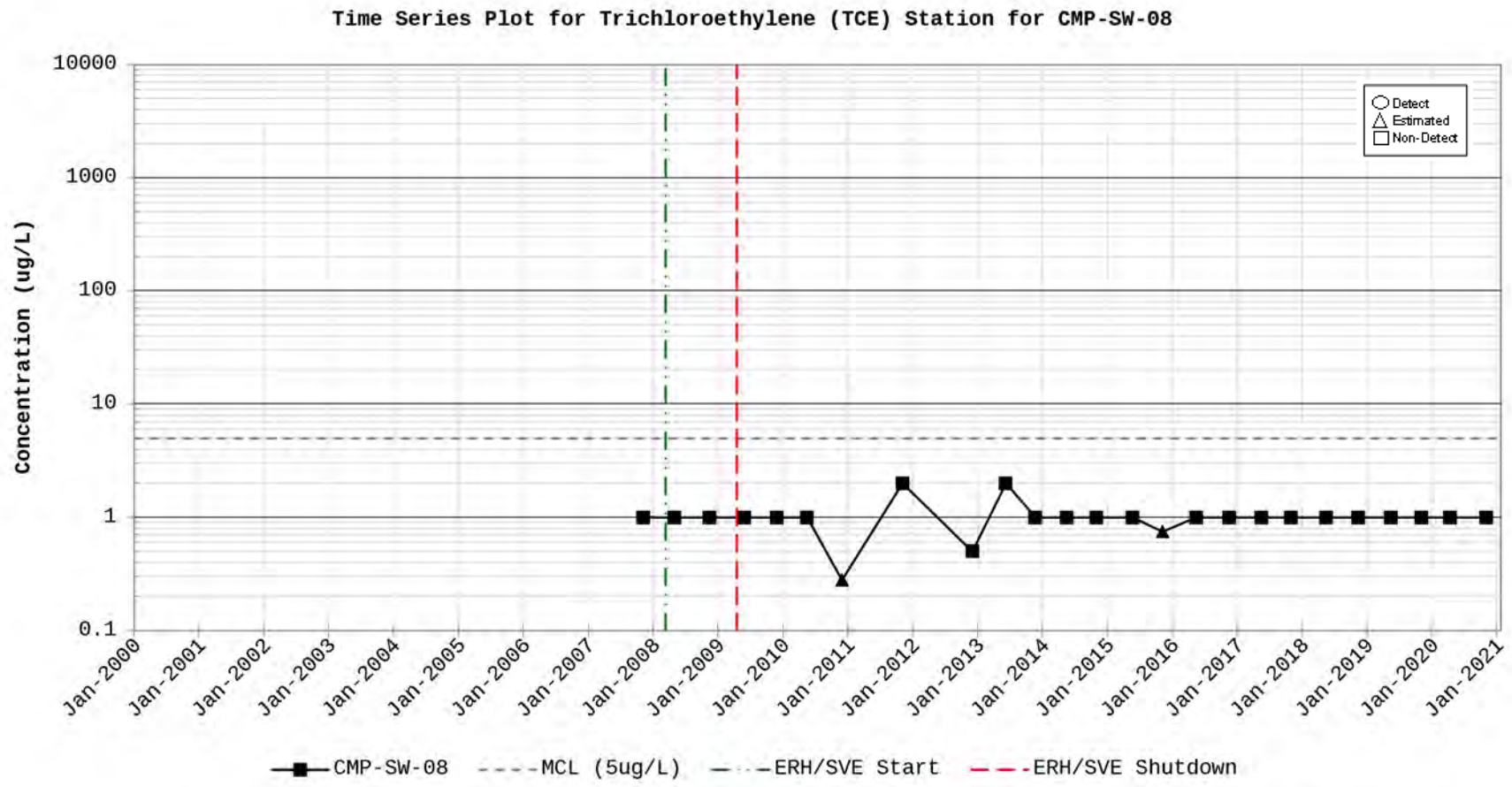

Time Series Plot for Trichloroethylene (TCE) Station for CMP065
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP065B
CMP065BU
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

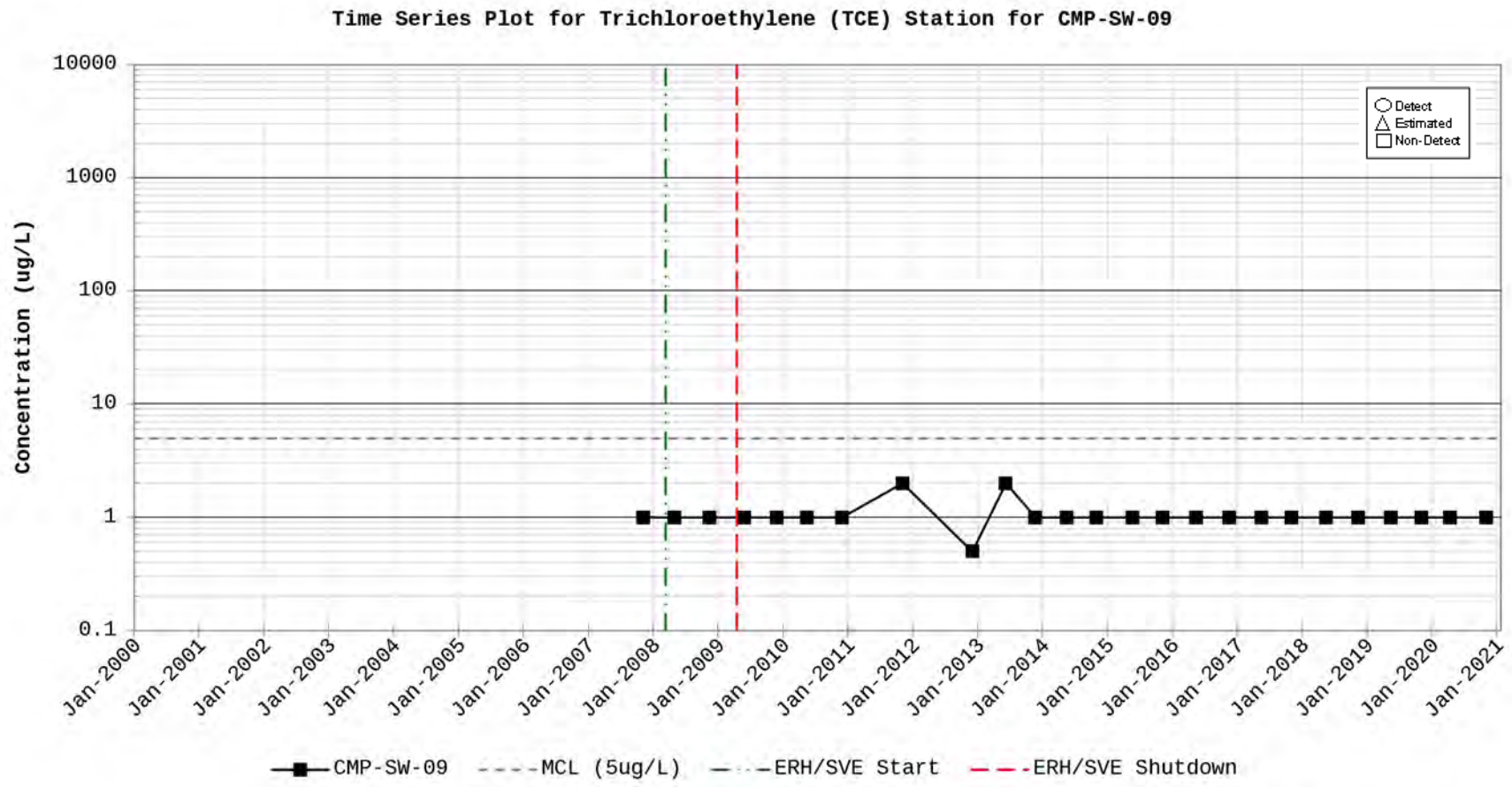

Time Series Plot for Trichloroethylene (TCE) Station for CMP066
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP066B
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

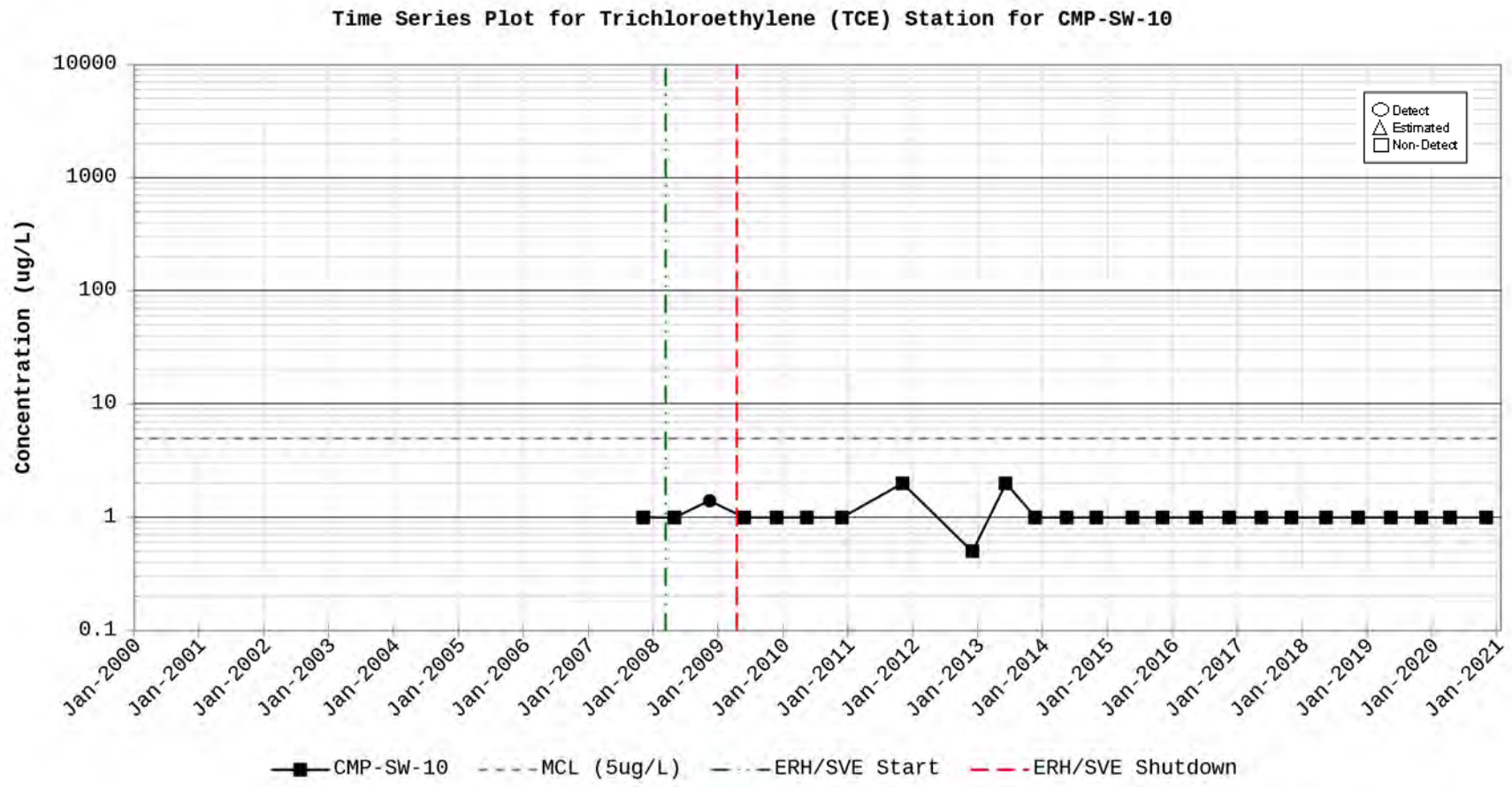

Time Series Plot for Trichloroethylene (TCE) Station for CMP067
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP067B
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

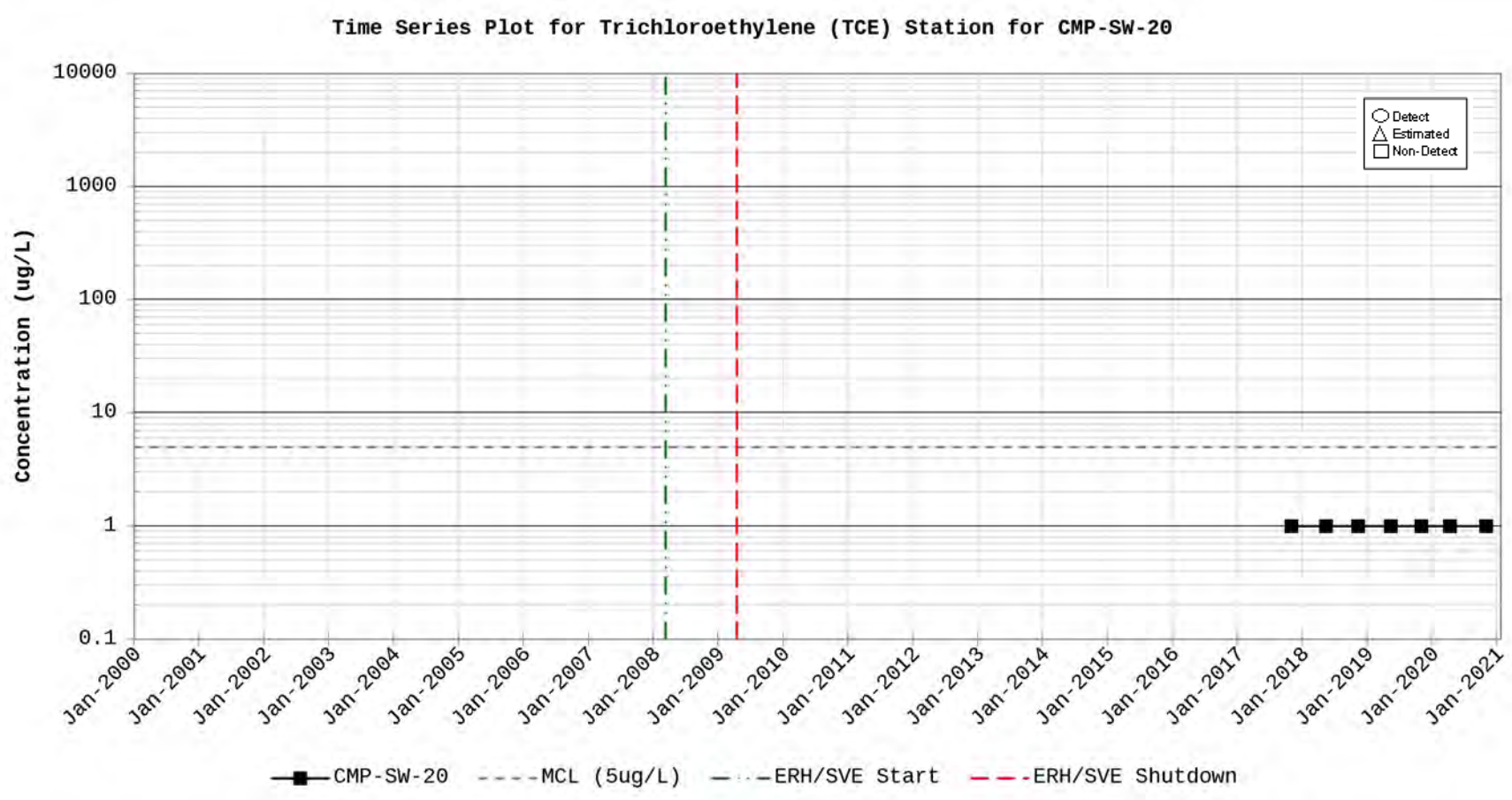

Time Series Plot for Trichloroethylene (TCE) Station for CMP-SW-06
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP-SW-06
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

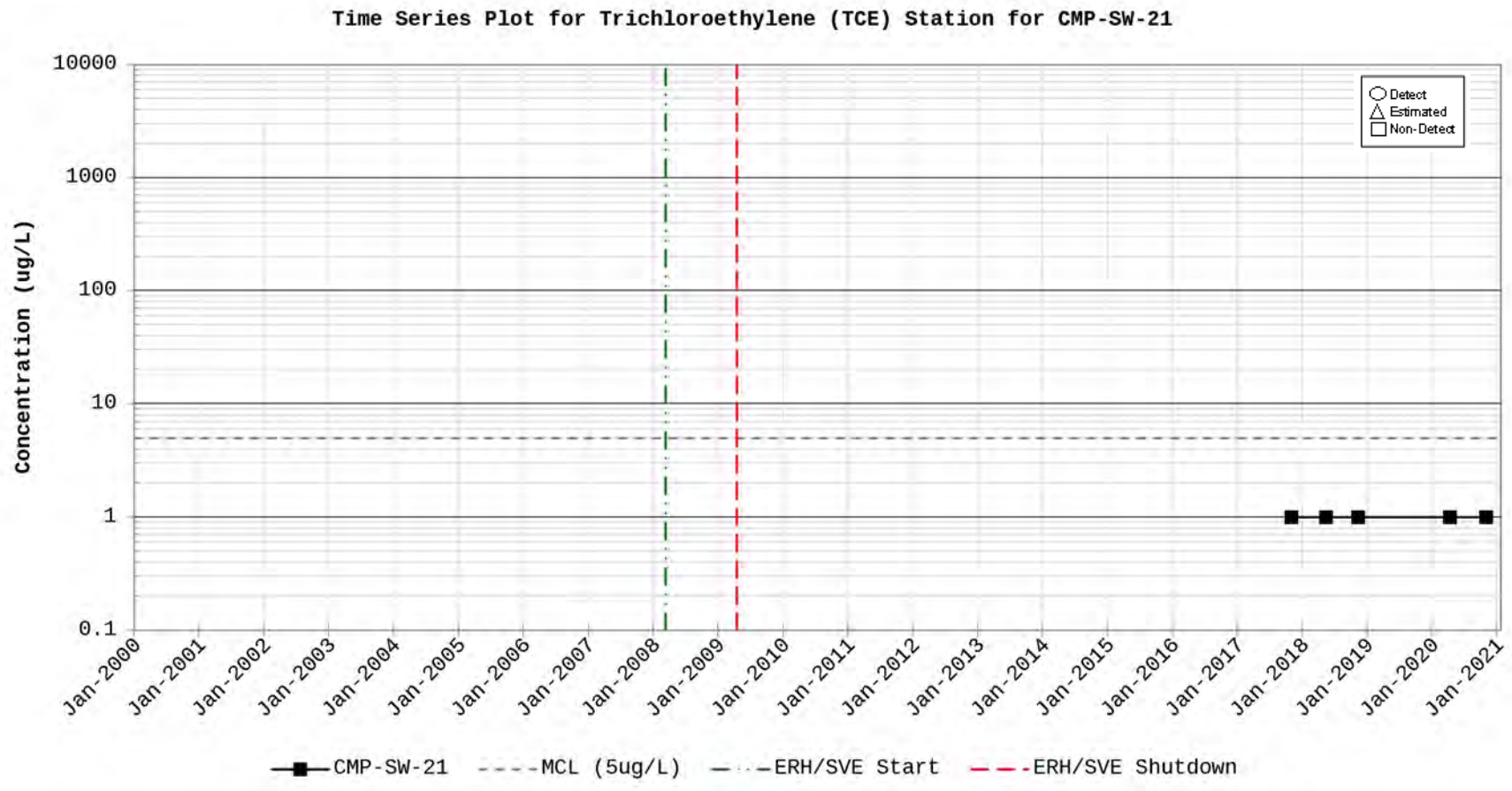

Time Series Plot for Trichloroethylene (TCE) Station for CMP-SW-07
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP-SW-07
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

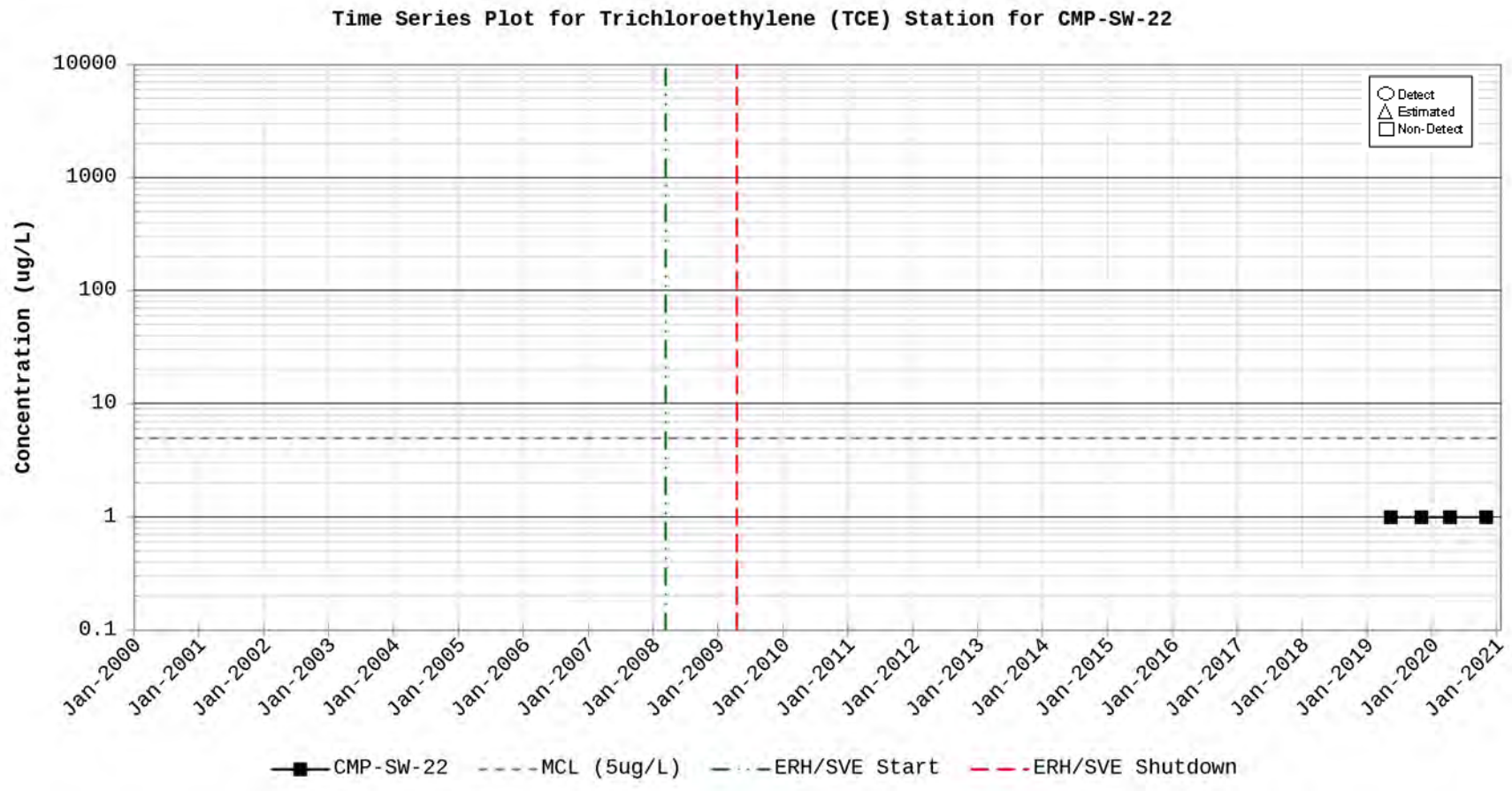

Time Series Plot for Trichloroethylene (TCE) Station for CMP-SW-08
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP-SW-08
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

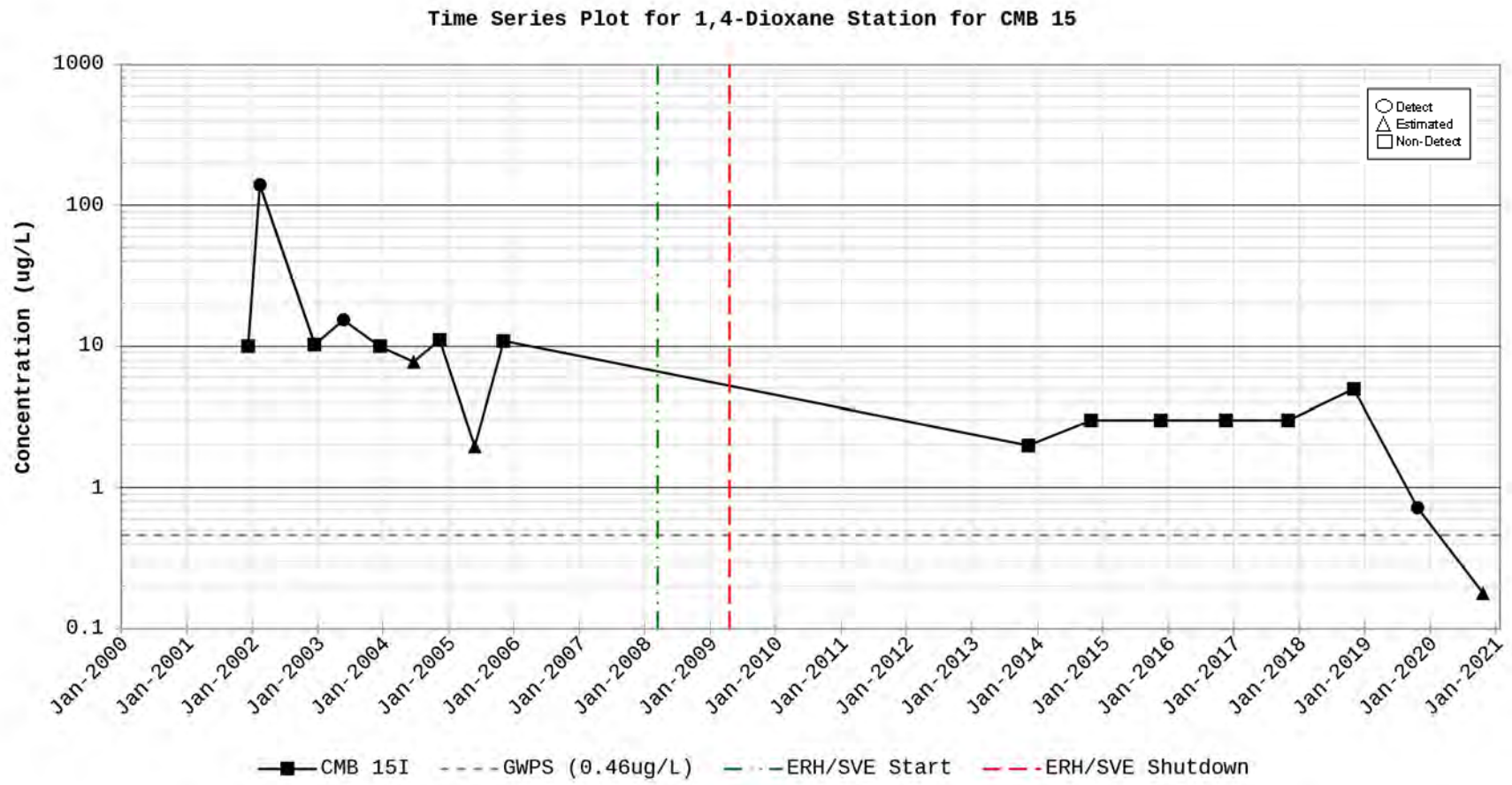

Time Series Plot for Trichloroethylene (TCE) Station for CMP-SW-09
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP-SW-09
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

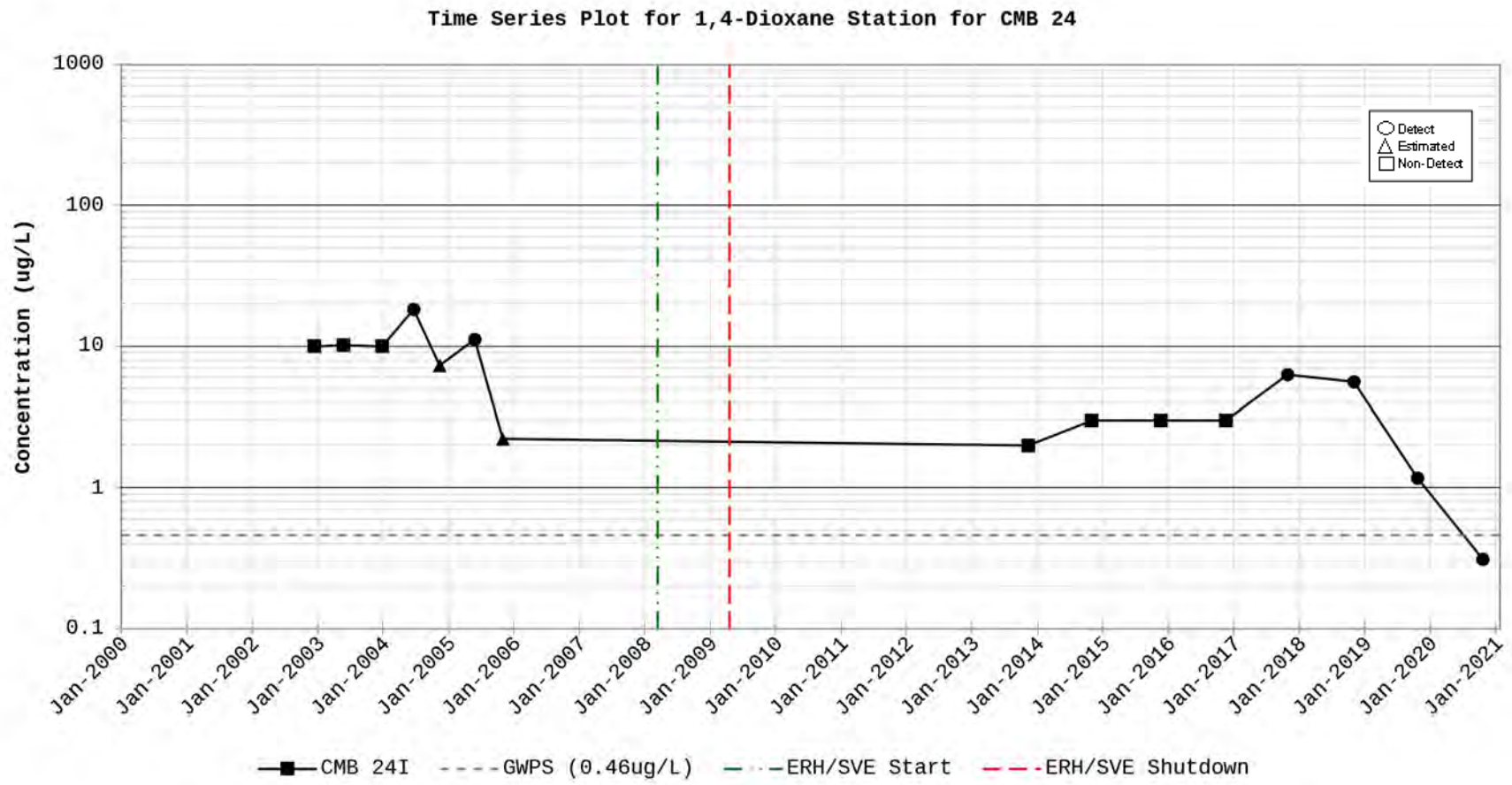

Time Series Plot for Trichloroethylene (TCE) Station for CMP-SW-10
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP-SW-10
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

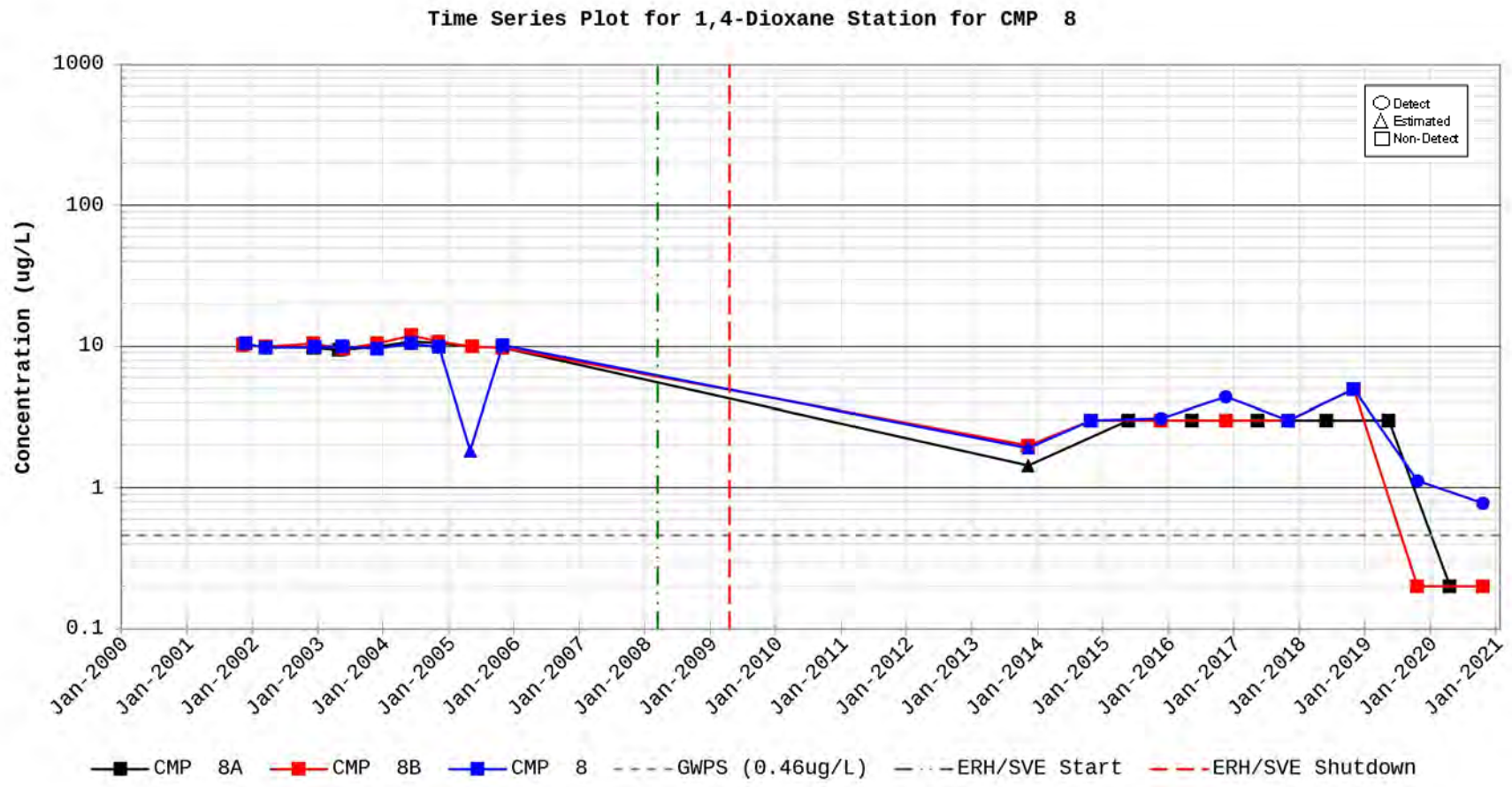

Time Series Plot for Trichloroethylene (TCE) Station for CMP-SW-20
Concentration (ug/L)
10000
1000
100
10
1
0.1
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Detect
Estimated
Non-Detect
CMP-SW-20
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

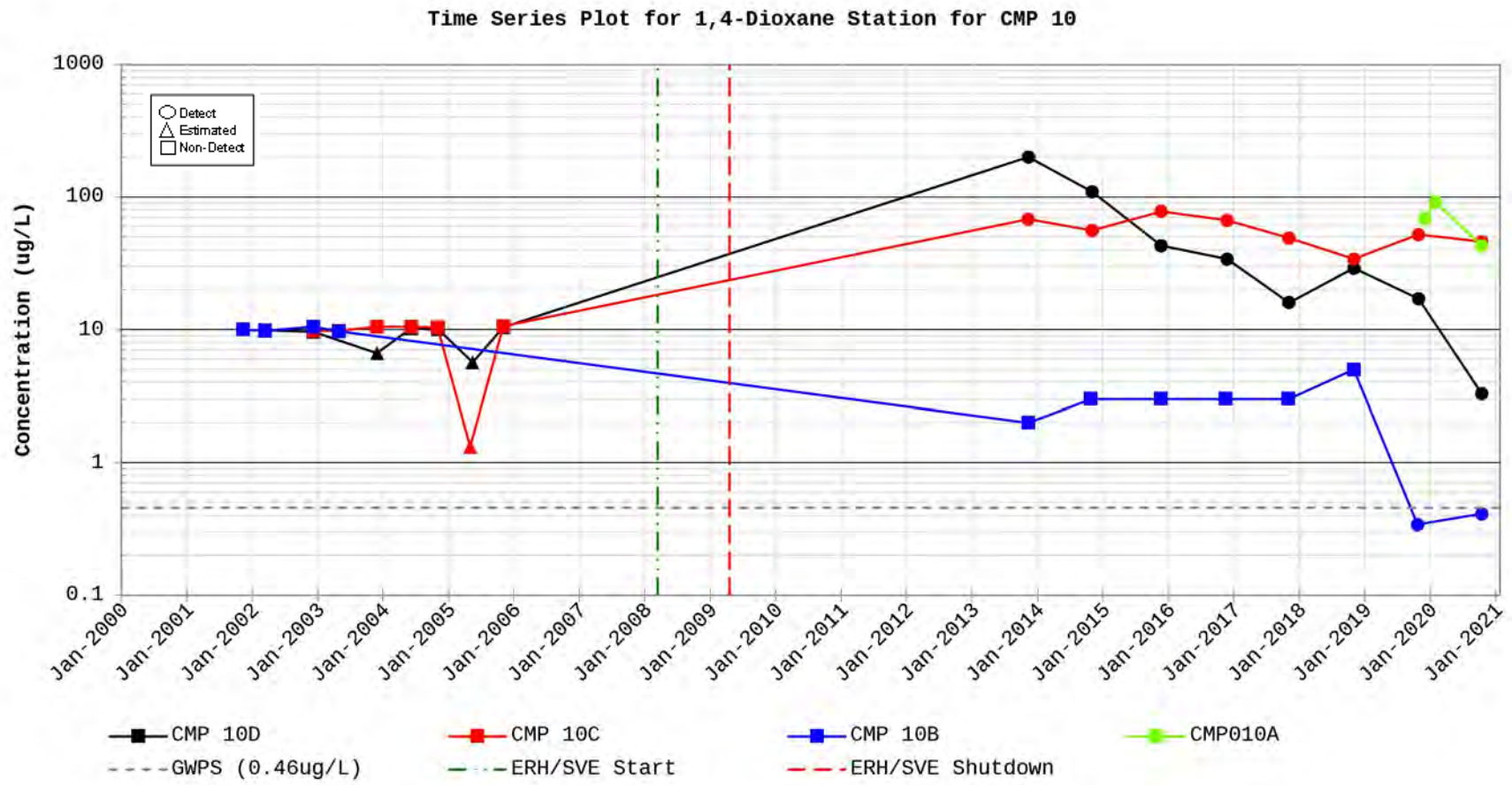

Time Series Plot for Trichloroethylene (TCE) Station for CMP-SW-21
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP-SW-21
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

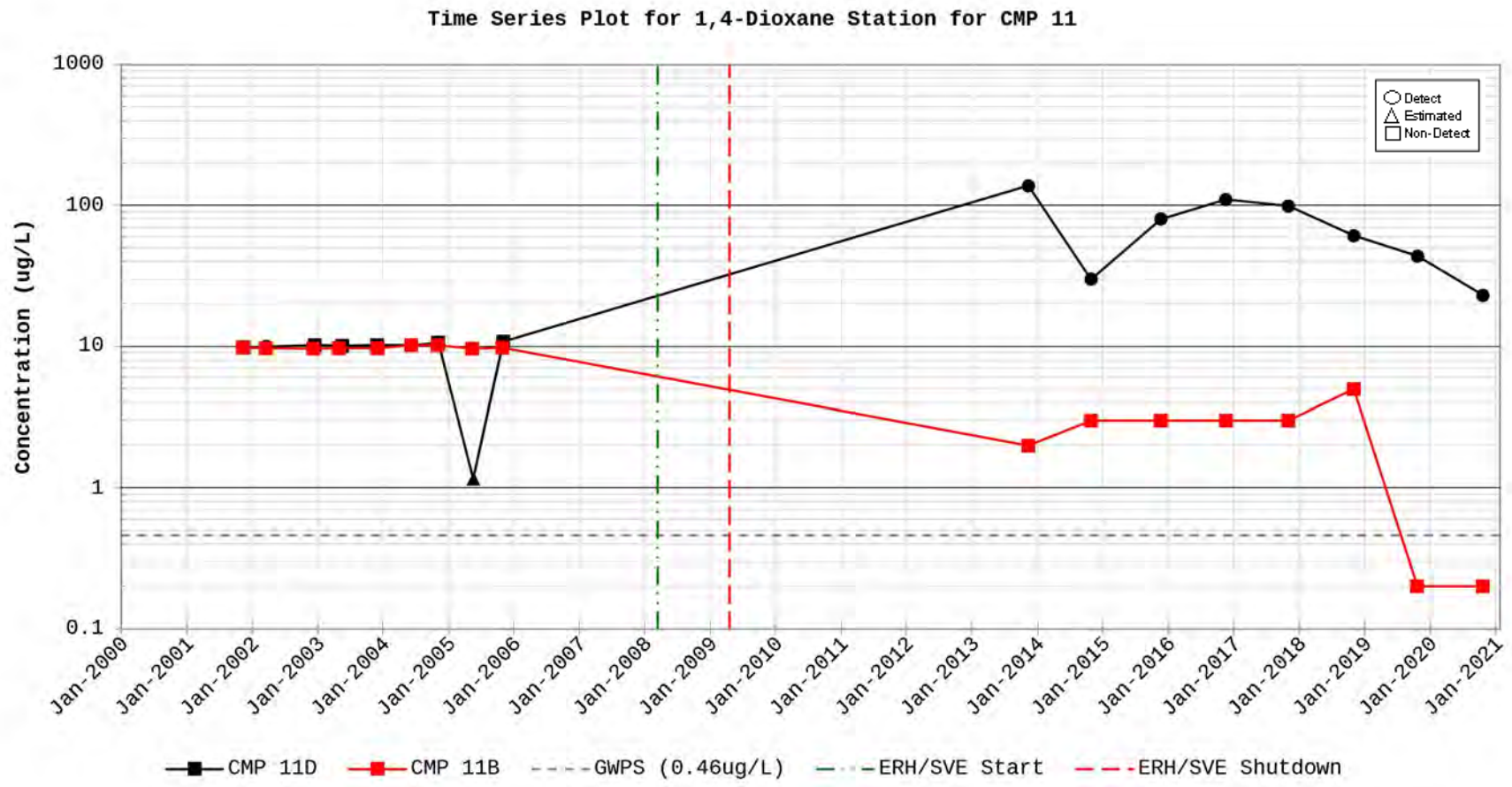

Time Series Plot for Trichloroethylene (TCE) Station for CMP-SW-22
Concentration (ug/L)
10000
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP-SW-22
MCL (5ug/L)
ERH/SVE Start
ERH/SVE Shutdown

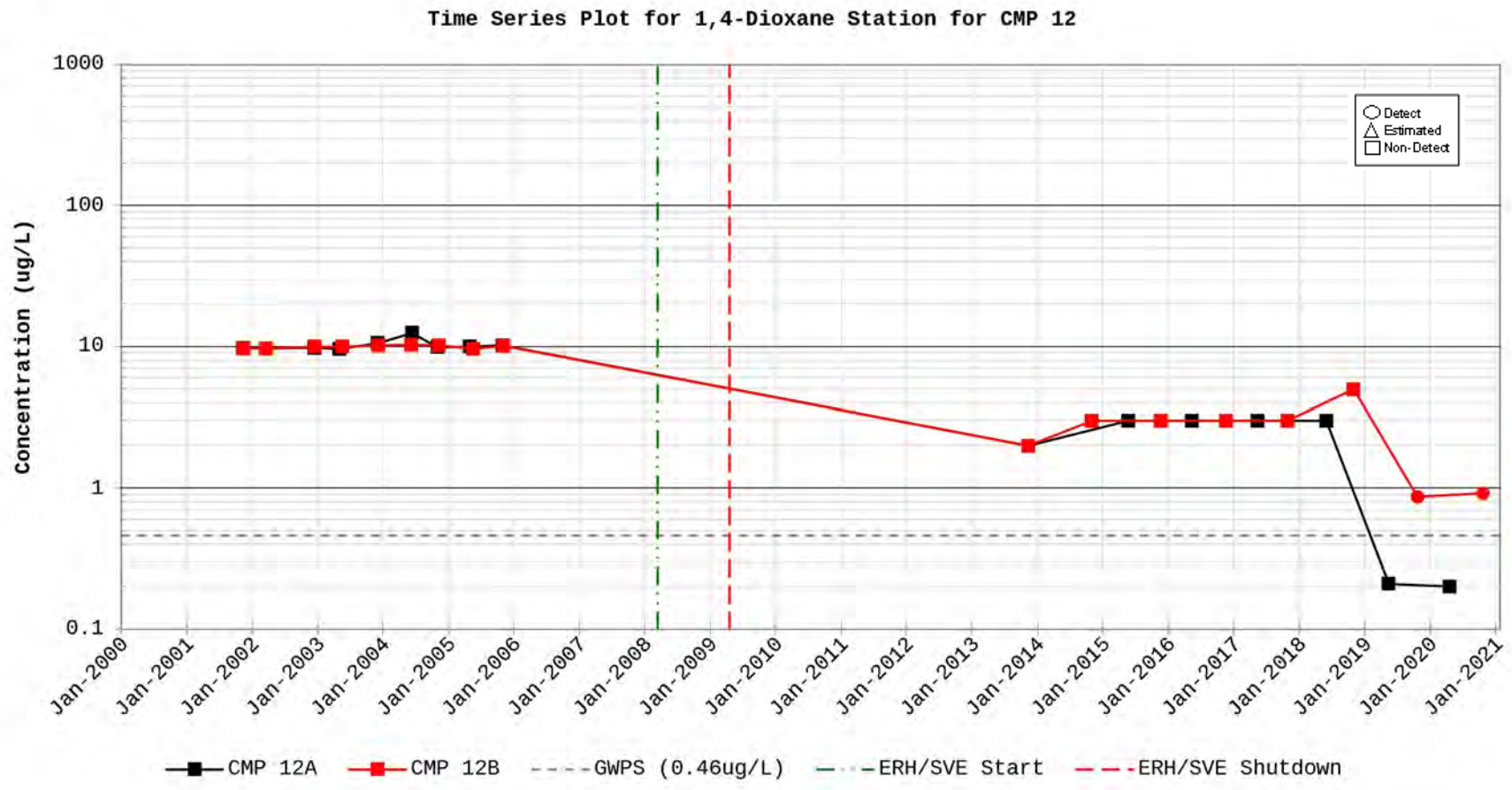

Time Series Plot for 1,4-Dioxane Station for CMB 15
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMB 15I
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

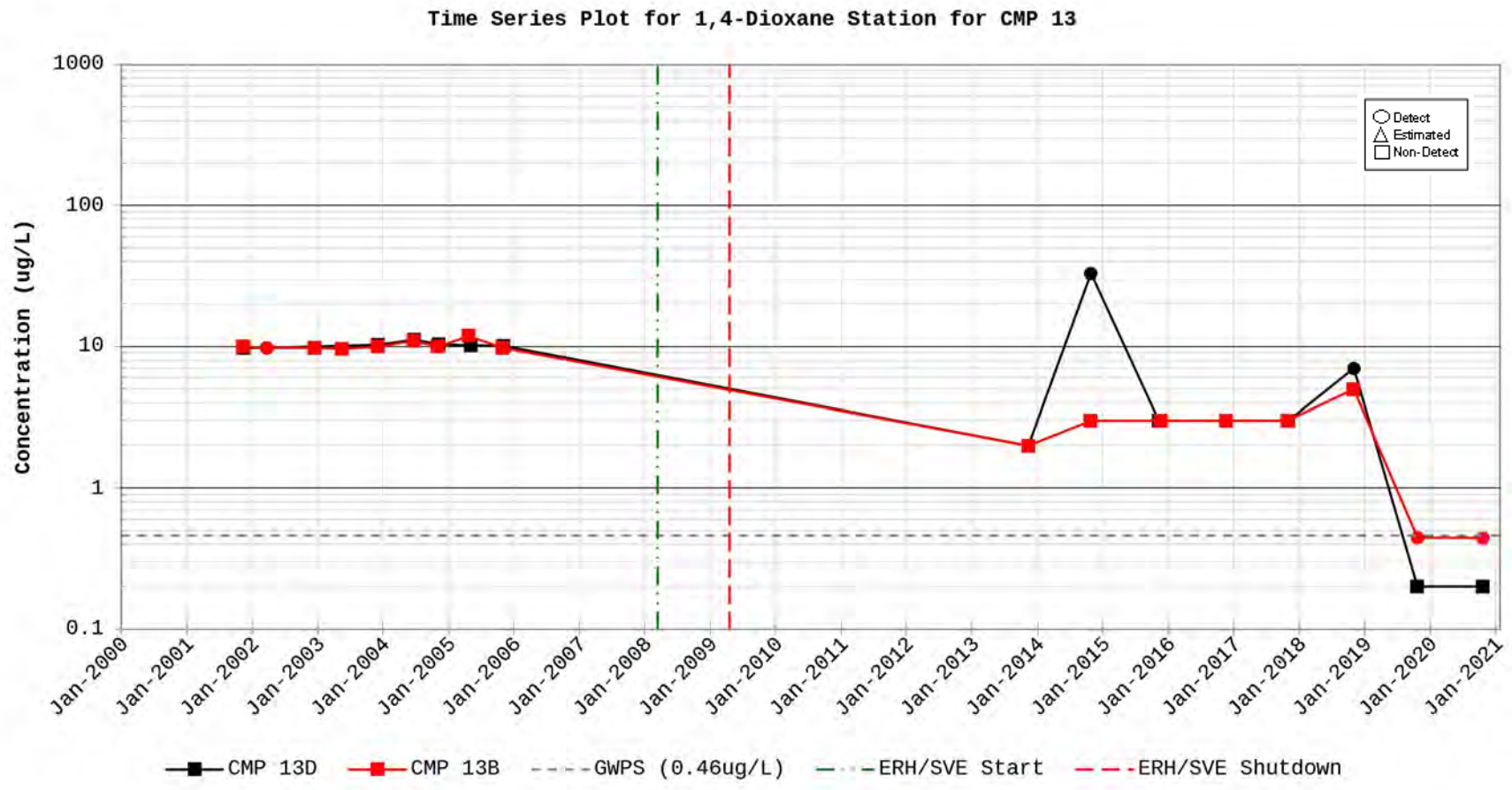

Time Series Plot for 1,4-Dioxane Station for CMB 24
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMB 24I
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

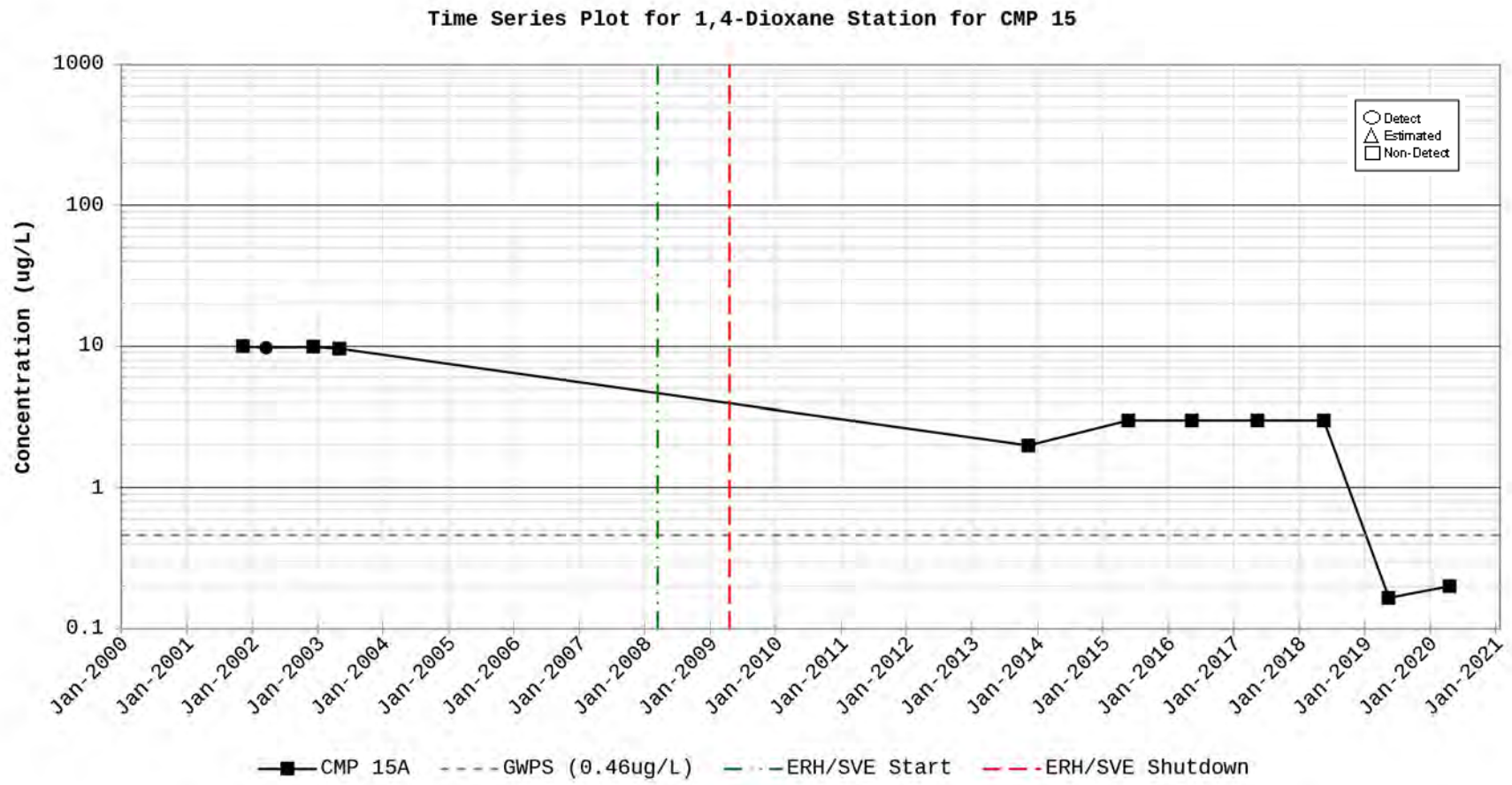

Time Series Plot for 1,4-Dioxane Station for CMP 8
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 8A
CMP 8B
CMP 8
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

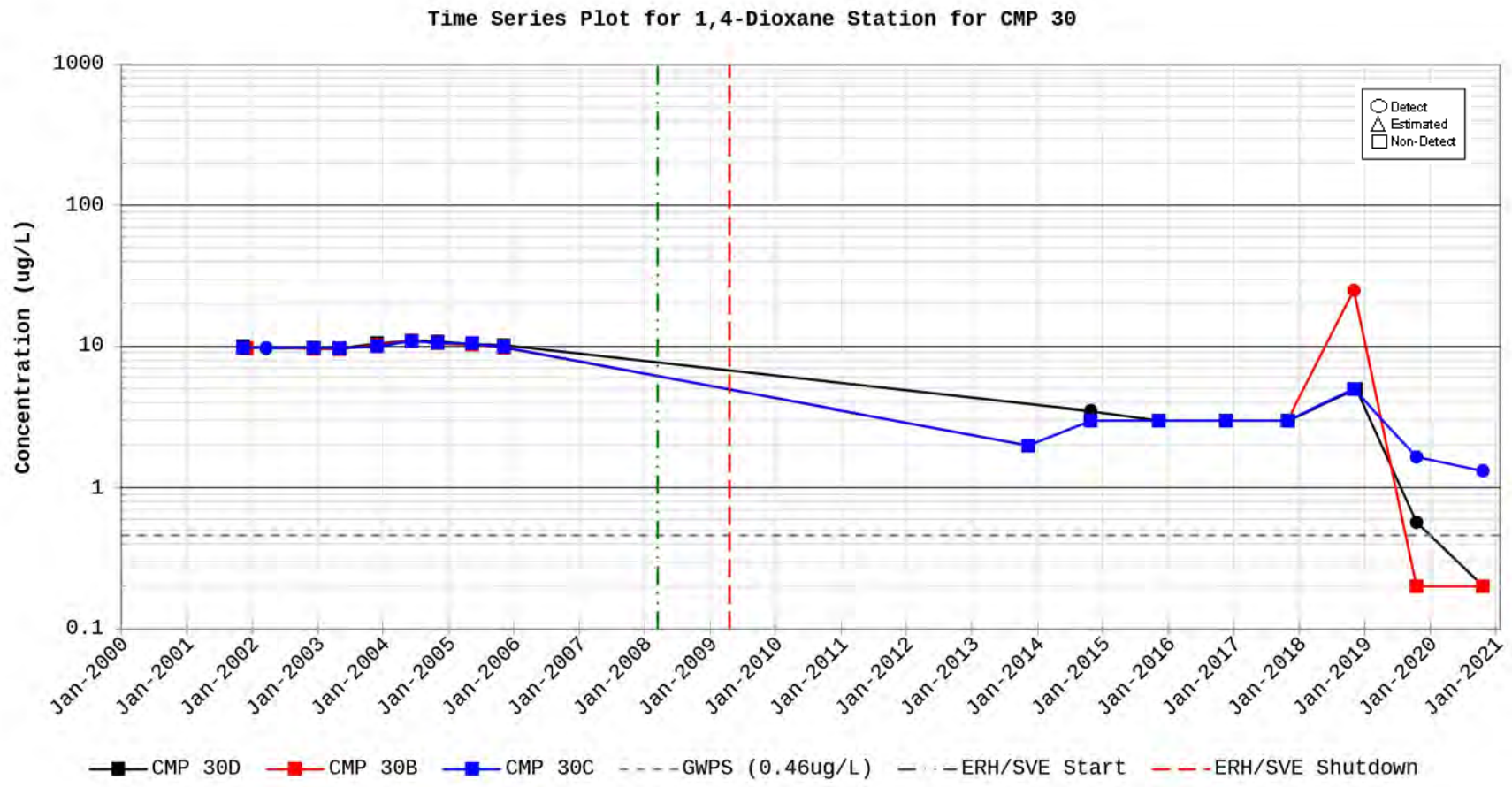

Time Series Plot for 1,4-Dioxane Station for CMP 10
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 10D
CMP 10C
CMP 10B
CMP010A
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

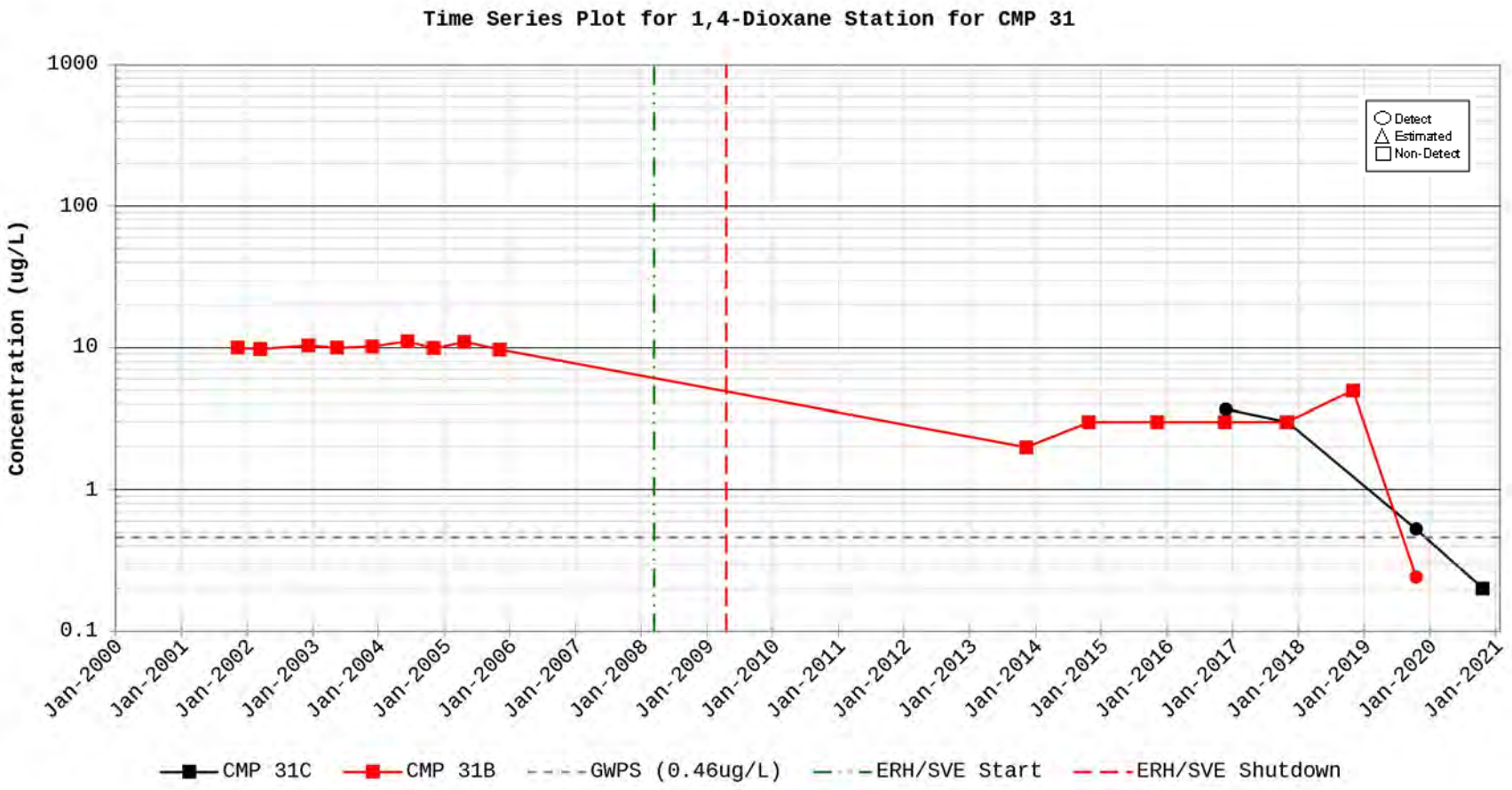

Time Series Plot for 1,4-Dioxane Station for CMP 11
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 11D
CMP 11B
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

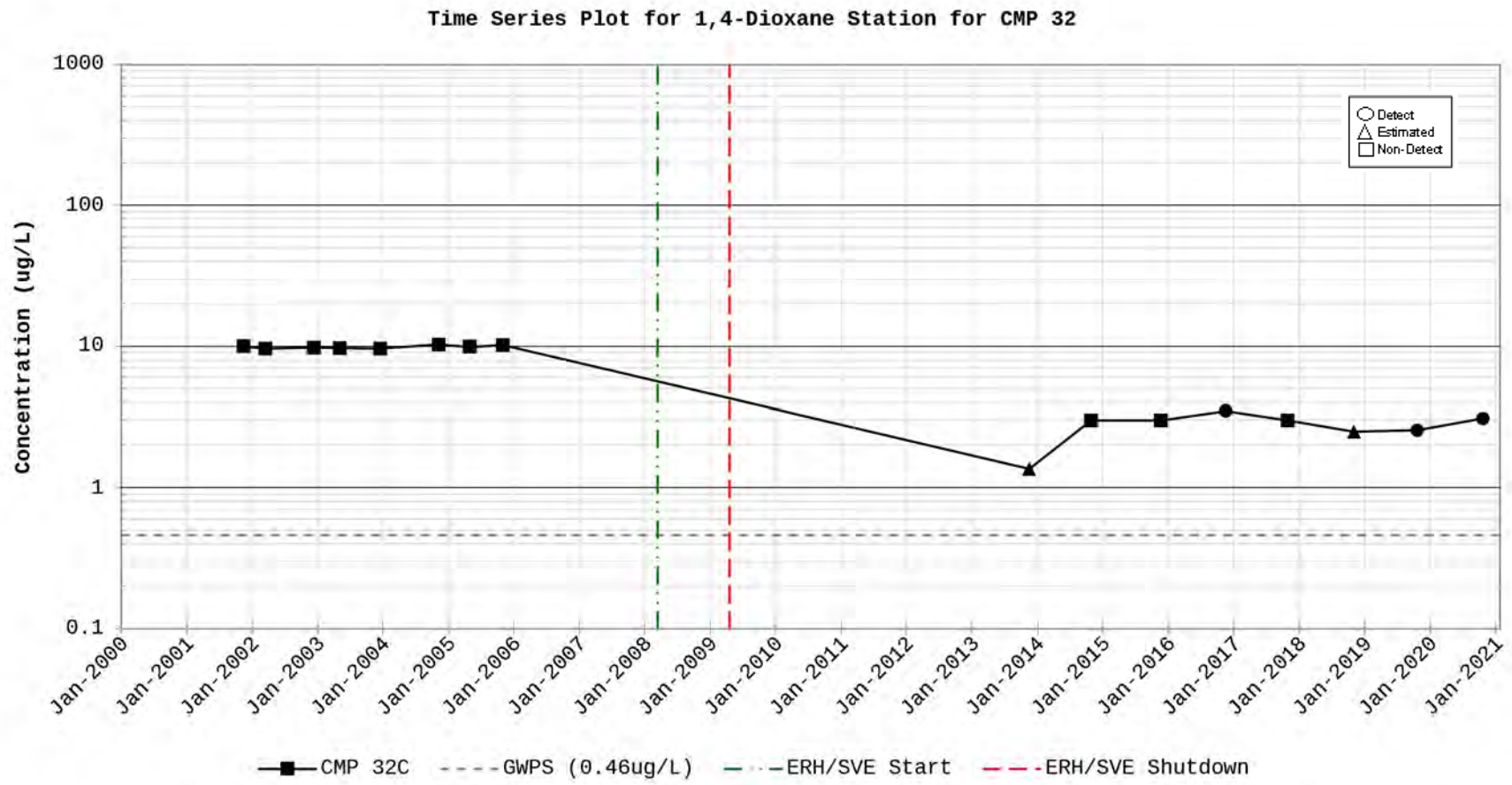

Time Series Plot for 1,4-Dioxane Station for CMP 12
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 12A
CMP 12B
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

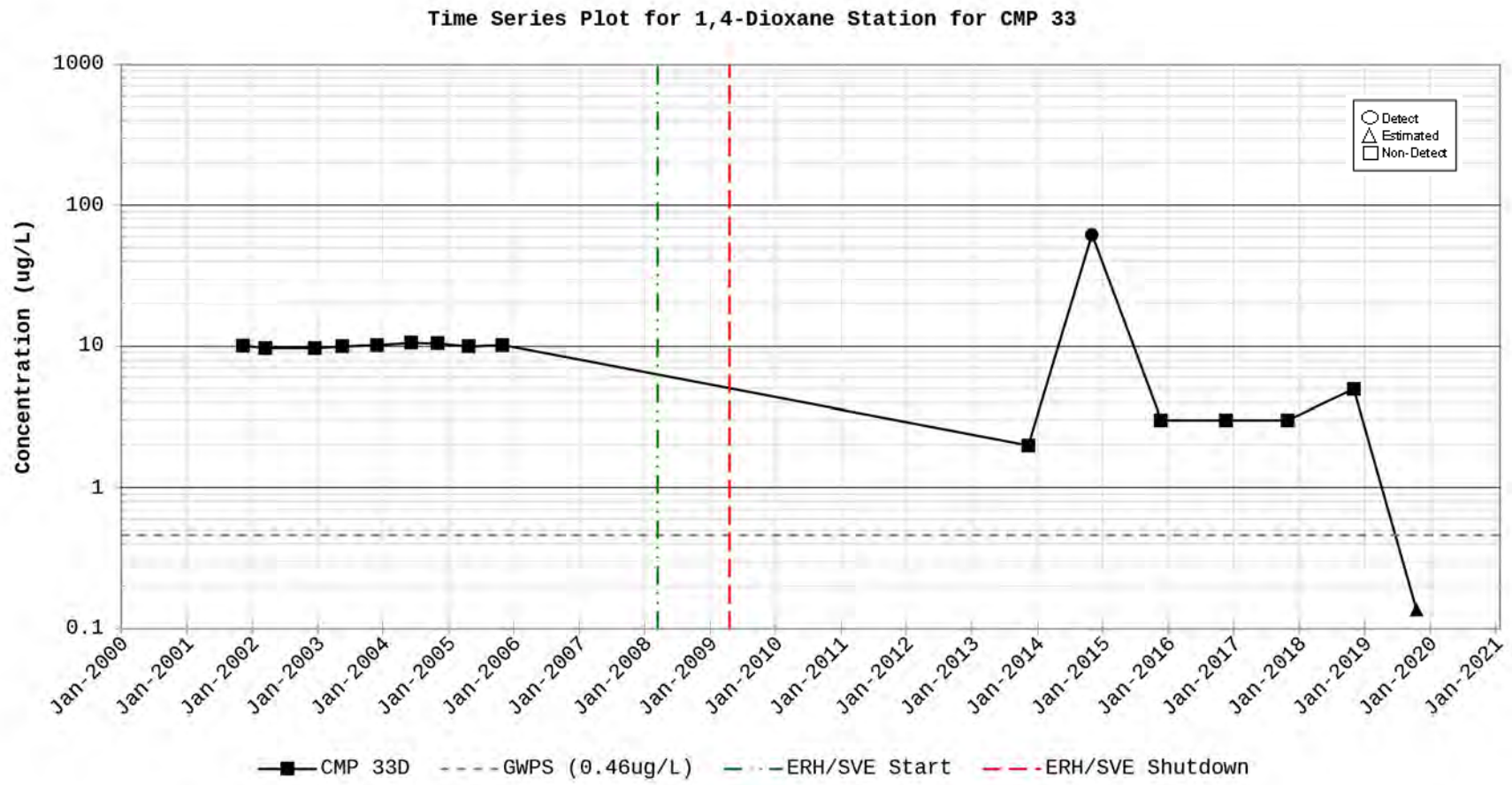

Time Series Plot for 1,4-Dioxane Station for CMP 13
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 13D
CMP 13B
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

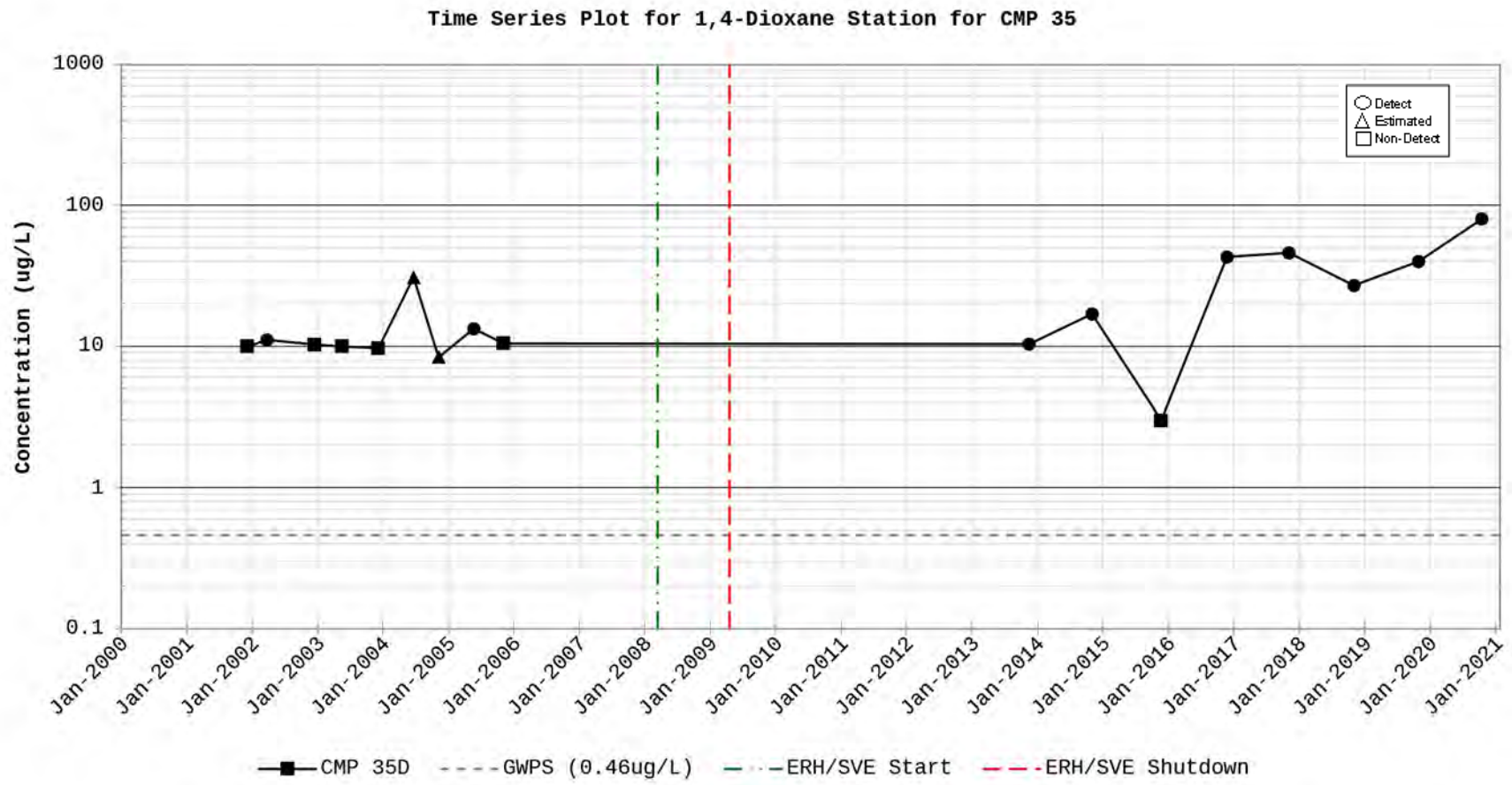

Time Series Plot for 1,4-Dioxane Station for CMP 15
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 15A
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

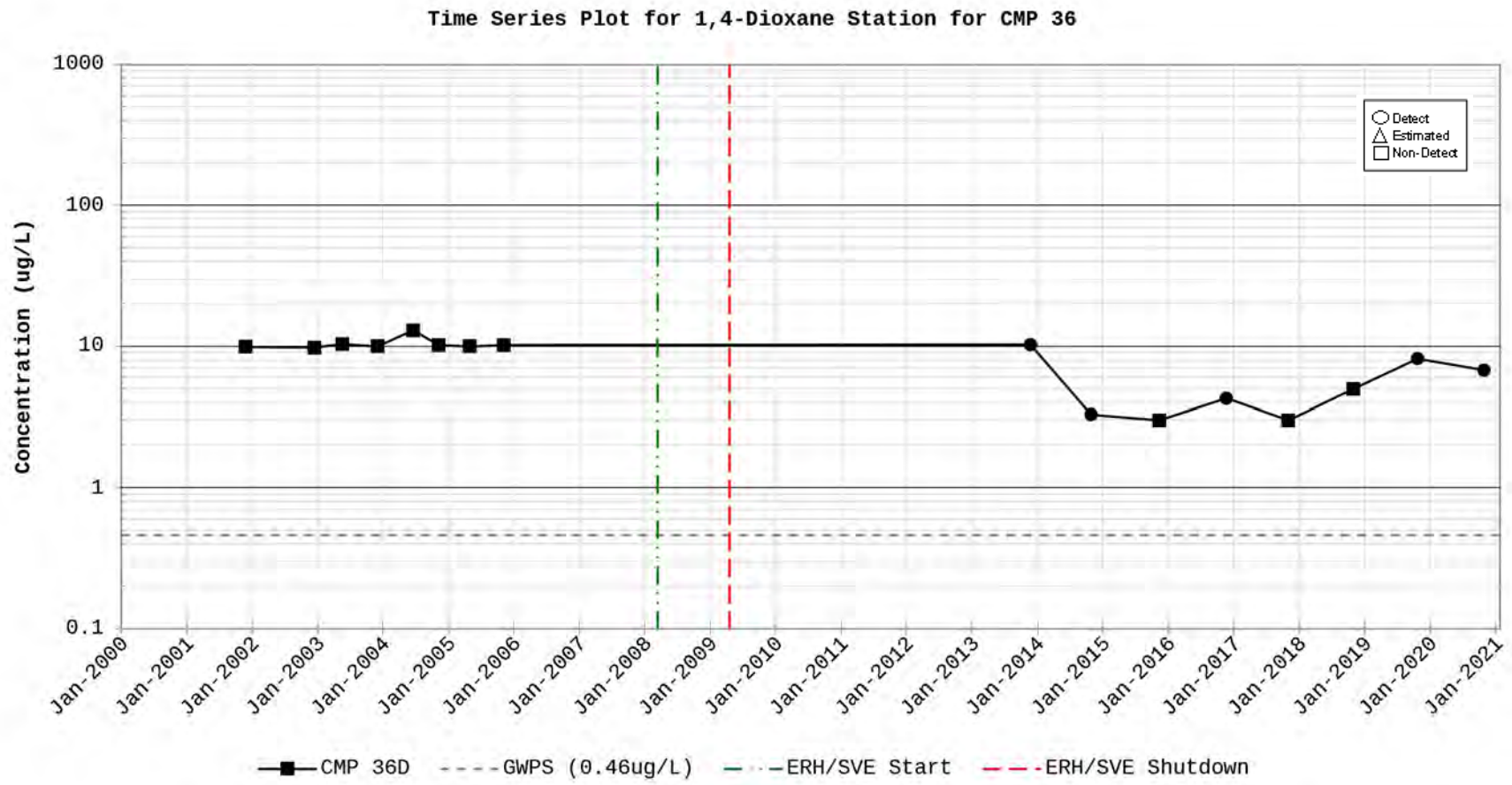

Time Series Plot for 1,4-Dioxane Station for CMP 30
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 30D
CMP 30B
CMP 30C
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

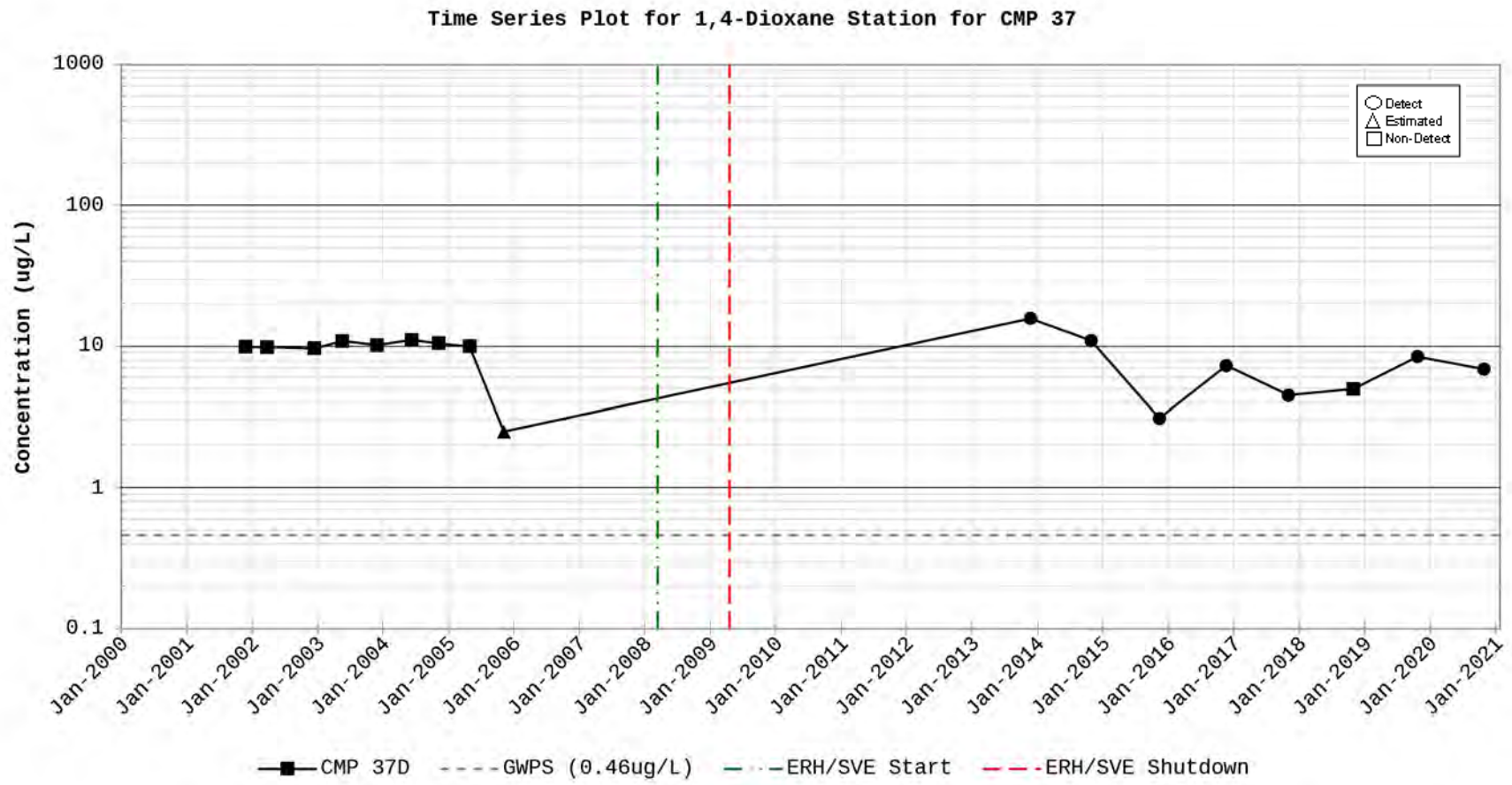

Time Series Plot for 1,4-Dioxane Station for CMP 31
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 31C
CMP 31B
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

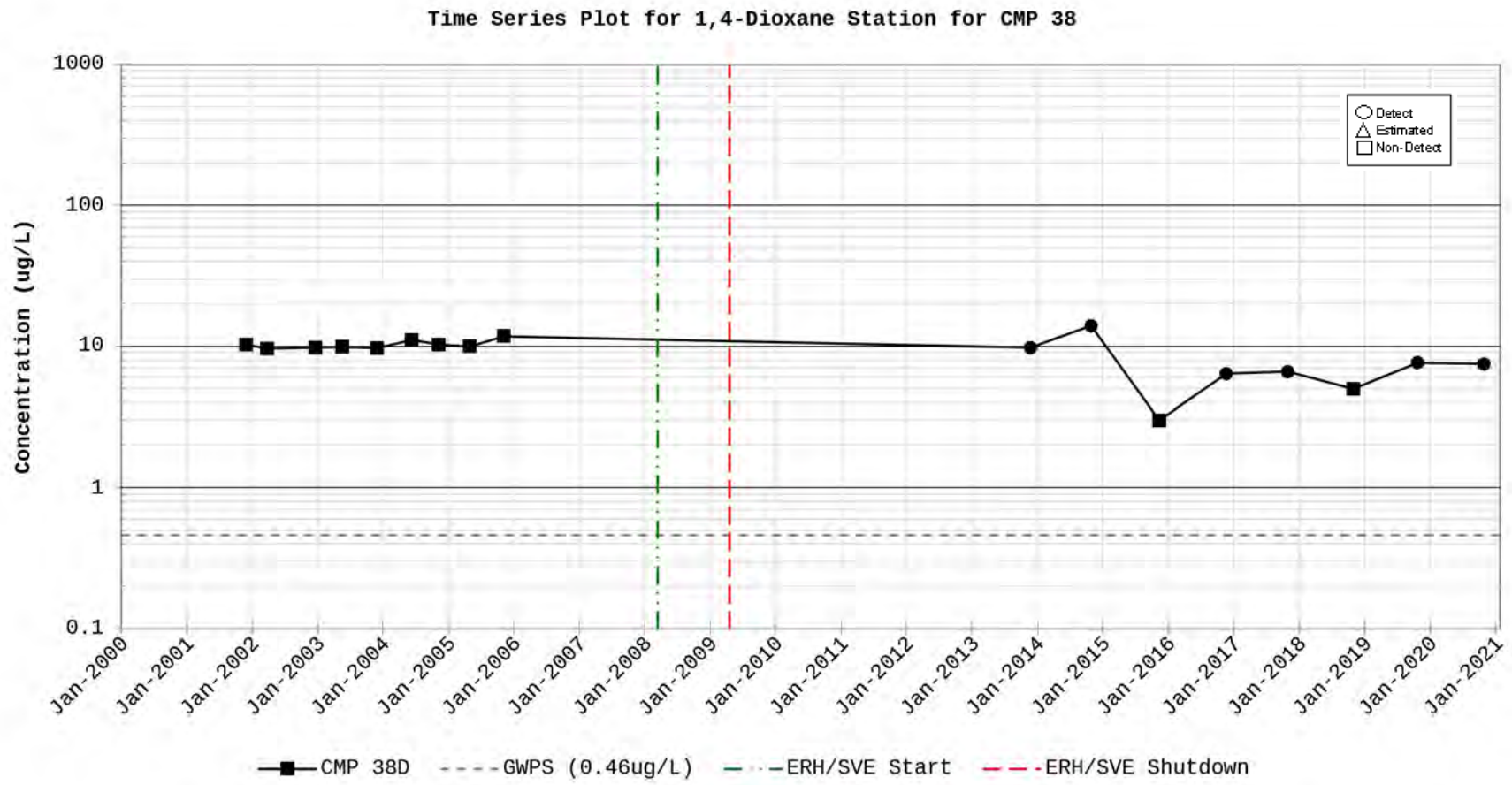

Time Series Plot for 1,4-Dioxane Station for CMP 32
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 32C
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

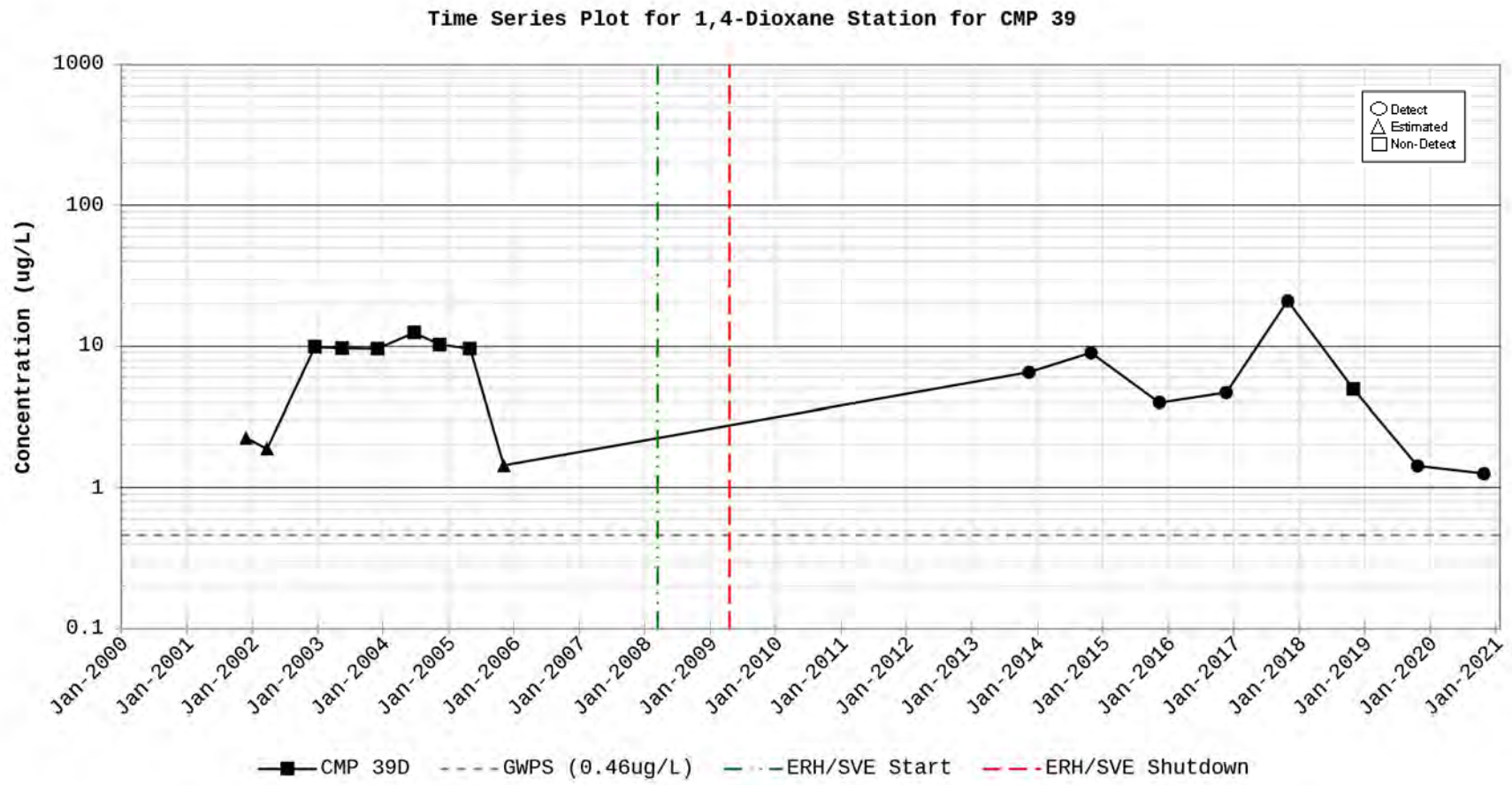

Time Series Plot for 1,4-Dioxane Station for CMP 33
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 33D
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

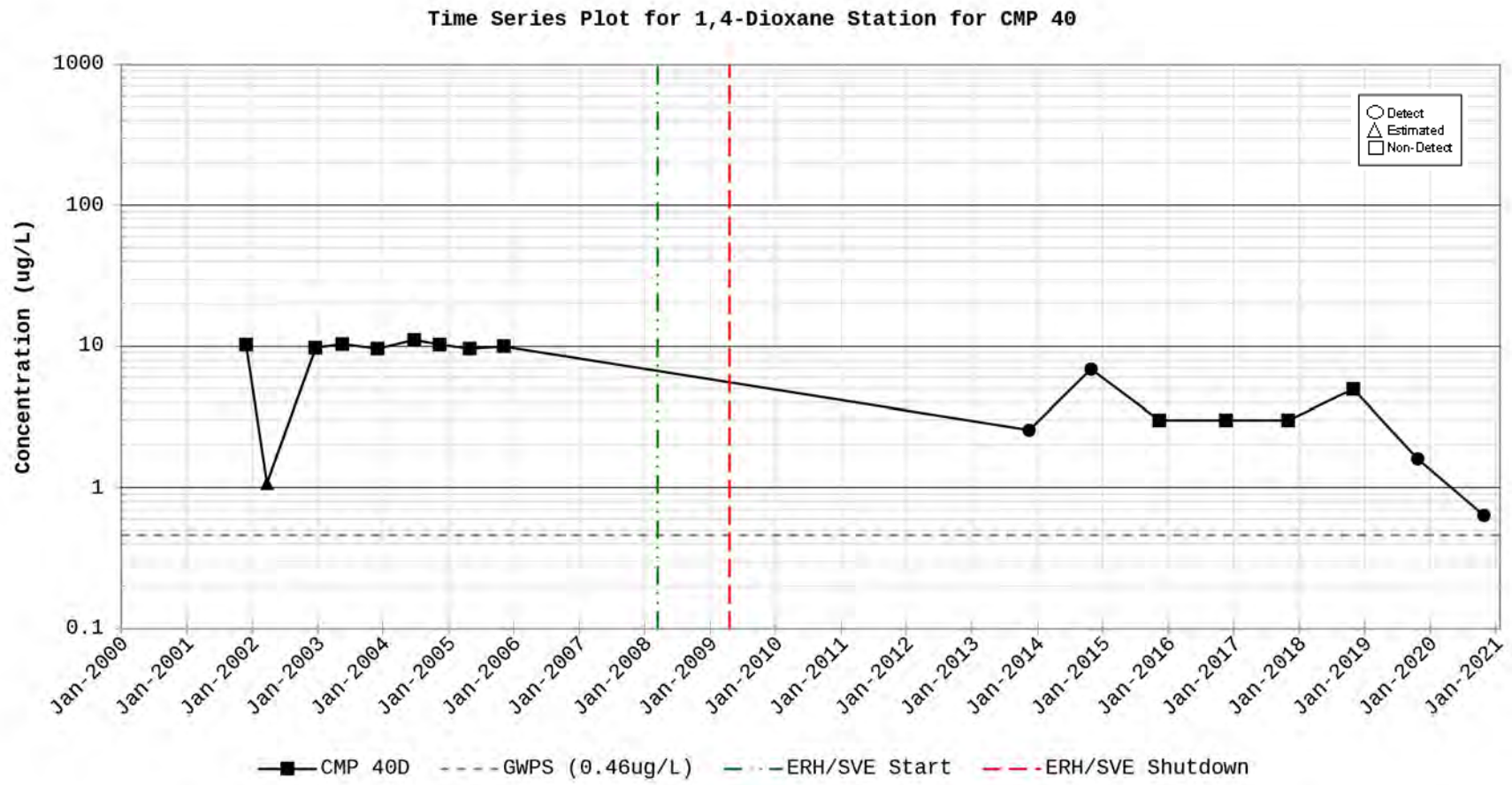

Time Series Plot for 1,4-Dioxane Station for CMP 35
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 35D
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

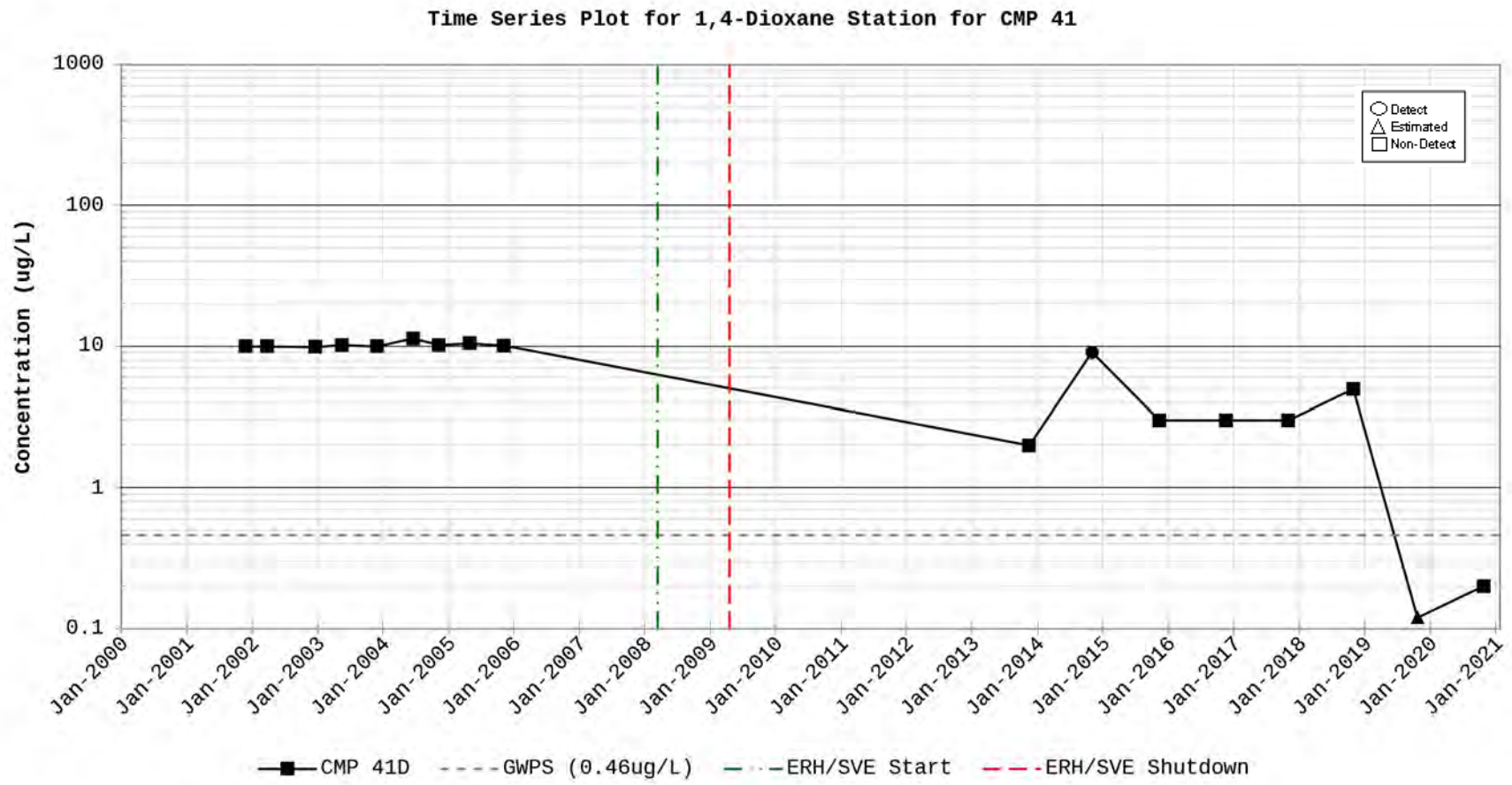

Time Series Plot for 1,4-Dioxane Station for CMP 36
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 36D
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

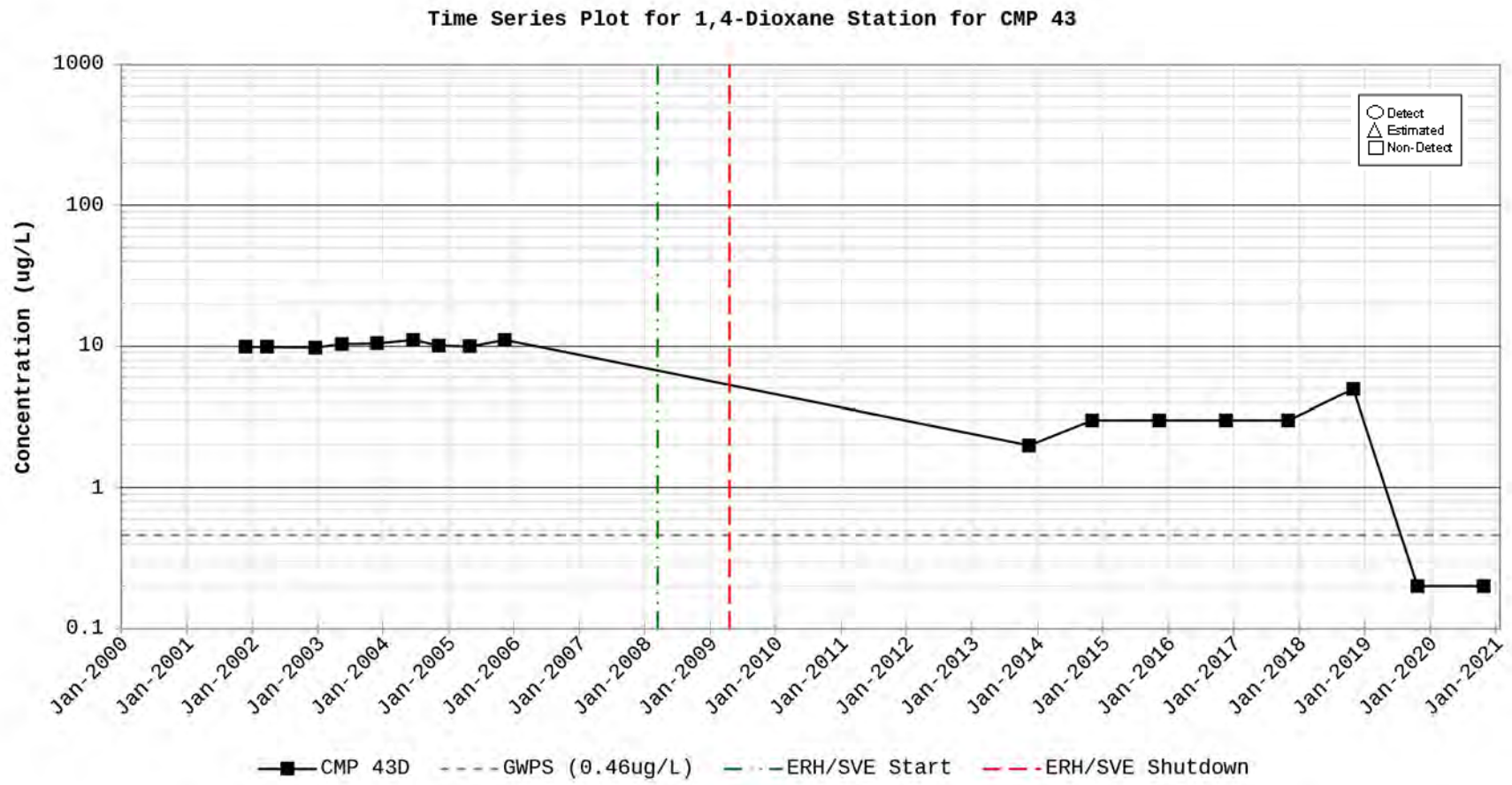

Time Series Plot for 1,4-Dioxane Station for CMP 37
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 37D
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

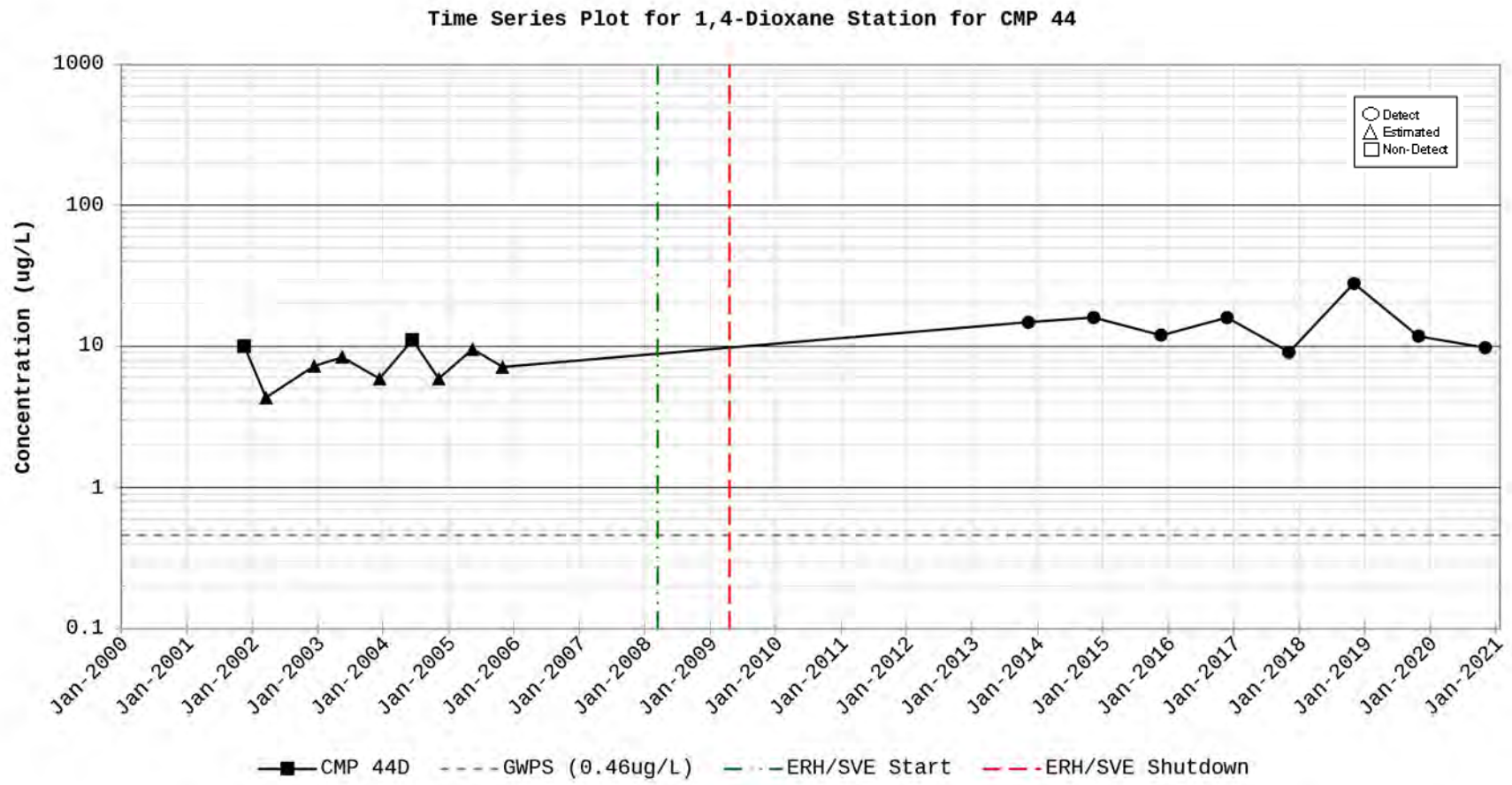

Time Series Plot for 1,4-Dioxane Station for CMP 38
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 38D
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

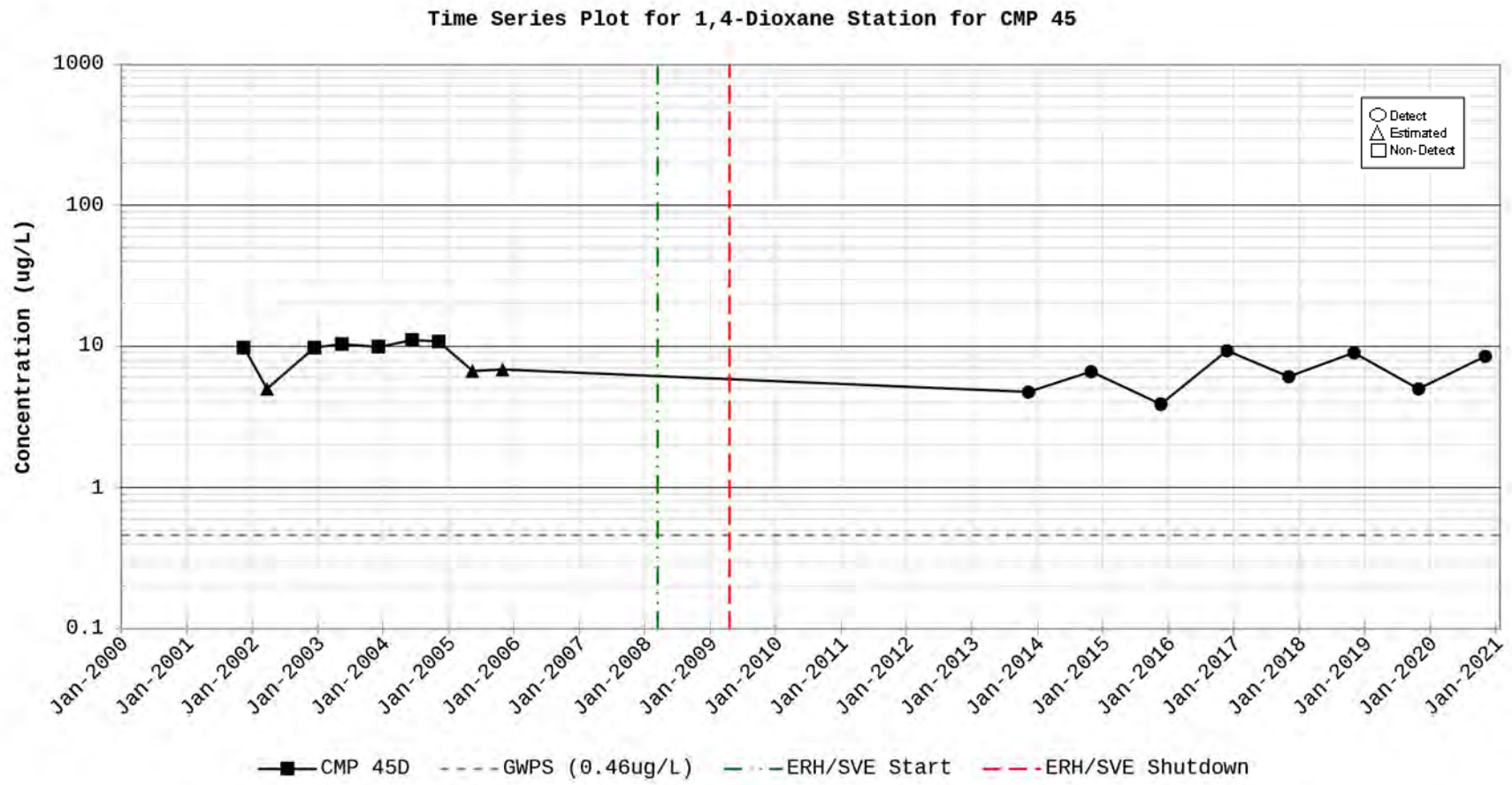

Time Series Plot for 1,4-Dioxane Station for CMP 39
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 39D
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

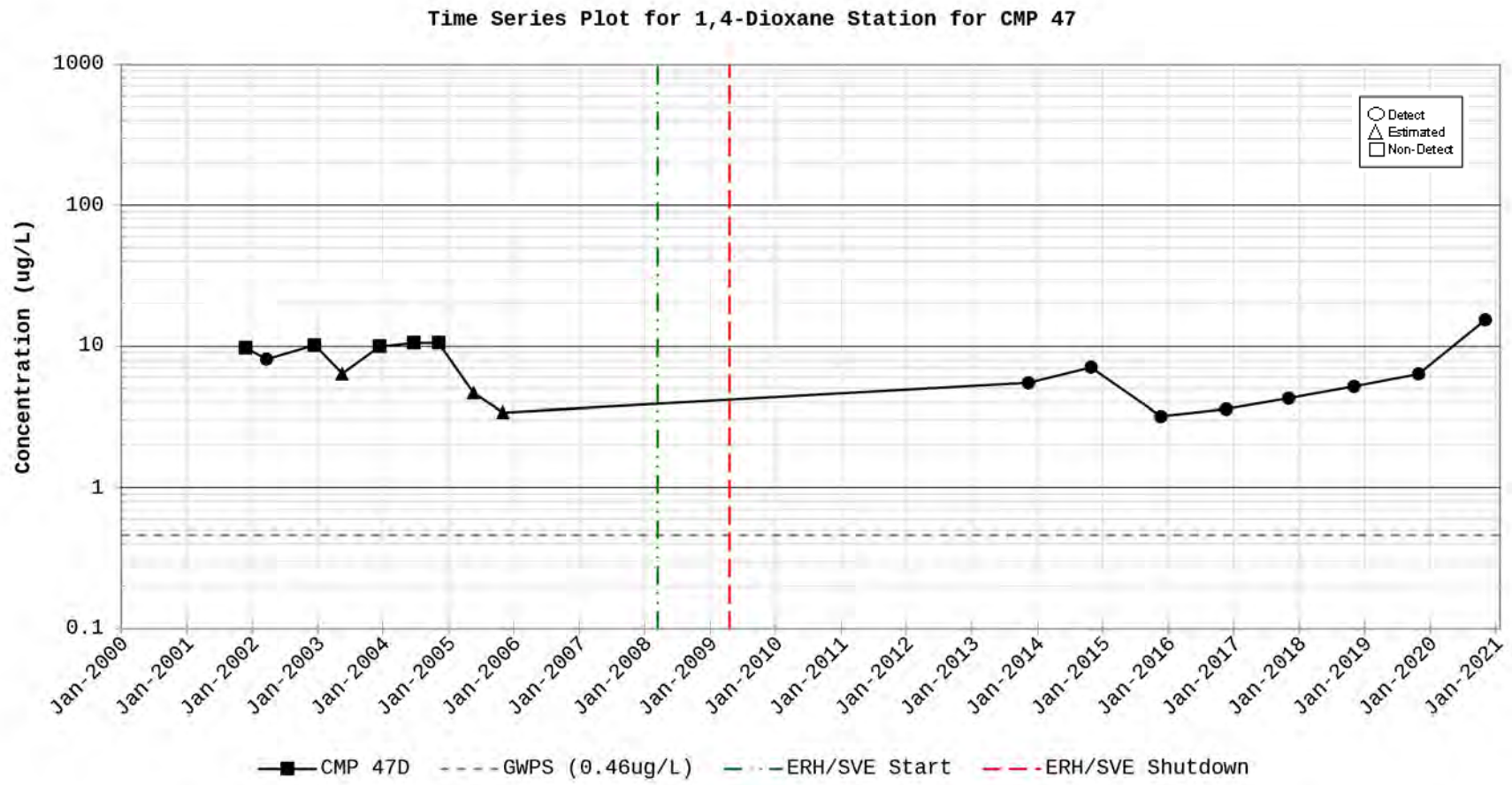

Time Series Plot for 1,4-Dioxane Station for CMP 40
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 40D
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

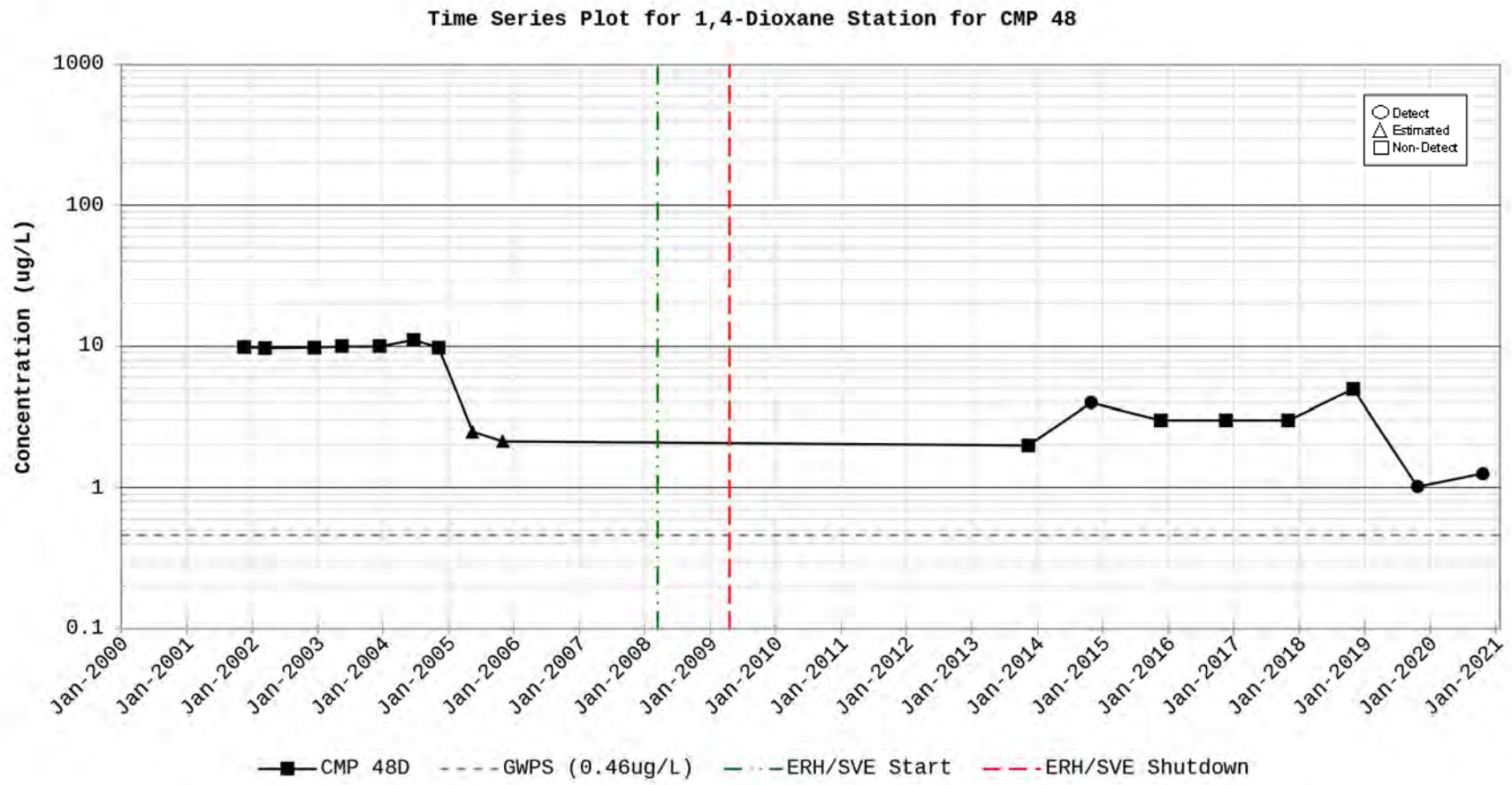

Time Series Plot for 1,4-Dioxane Station for CMP 41
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 41D
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

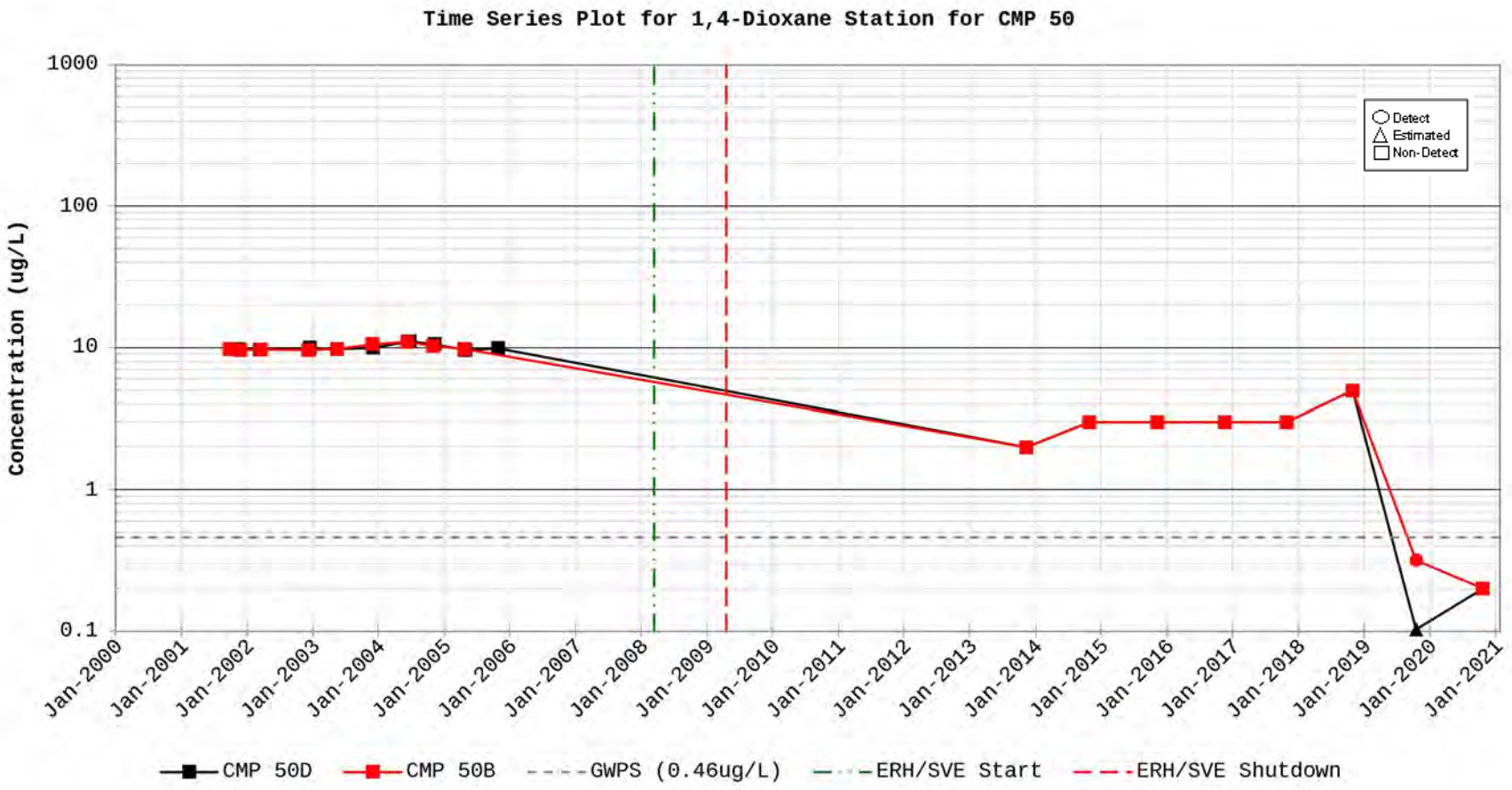

Time Series Plot for 1,4-Dioxane Station for CMP 43
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 43D
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

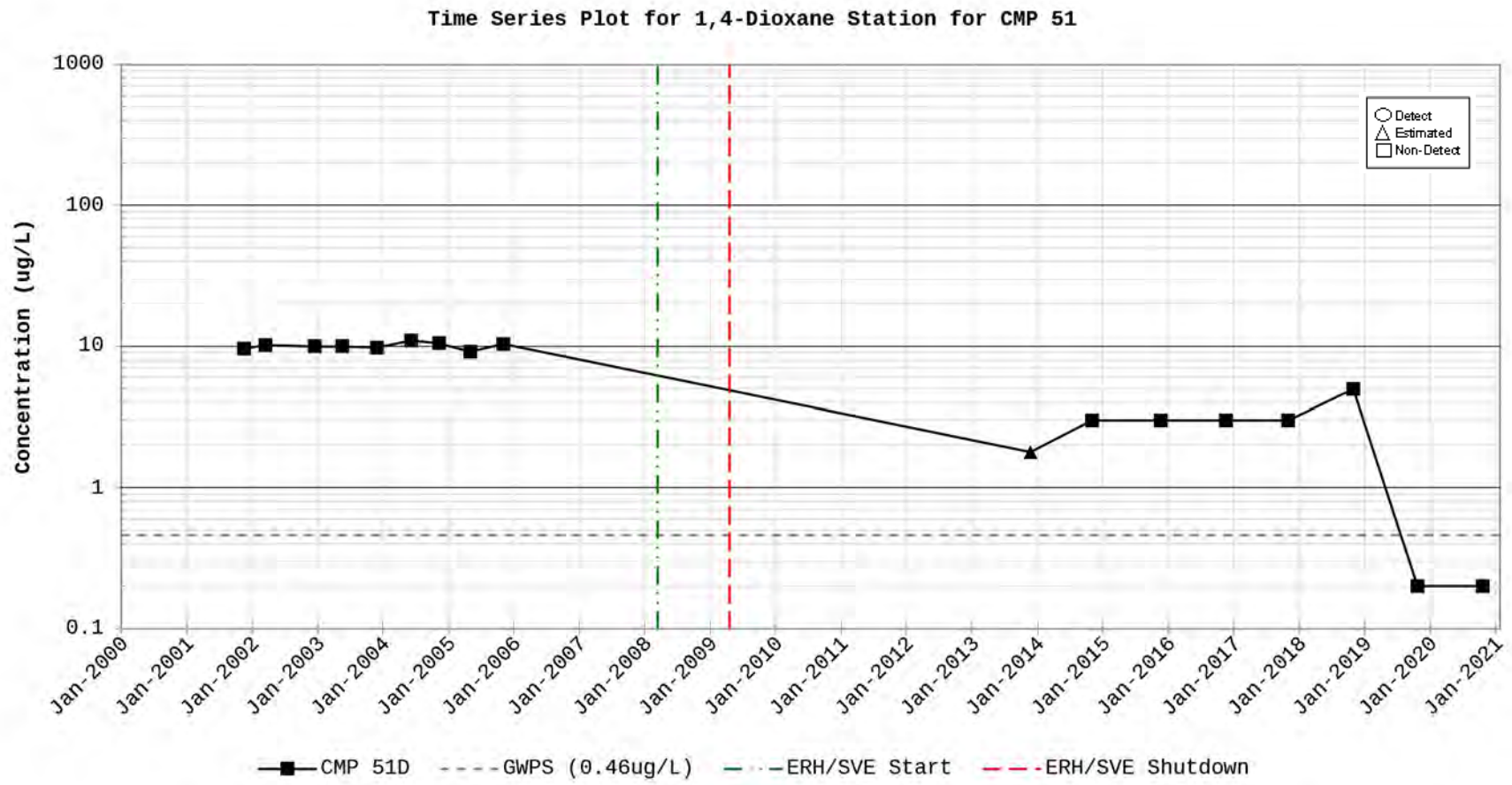

Time Series Plot for 1,4-Dioxane Station for CMP 44
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 44D
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

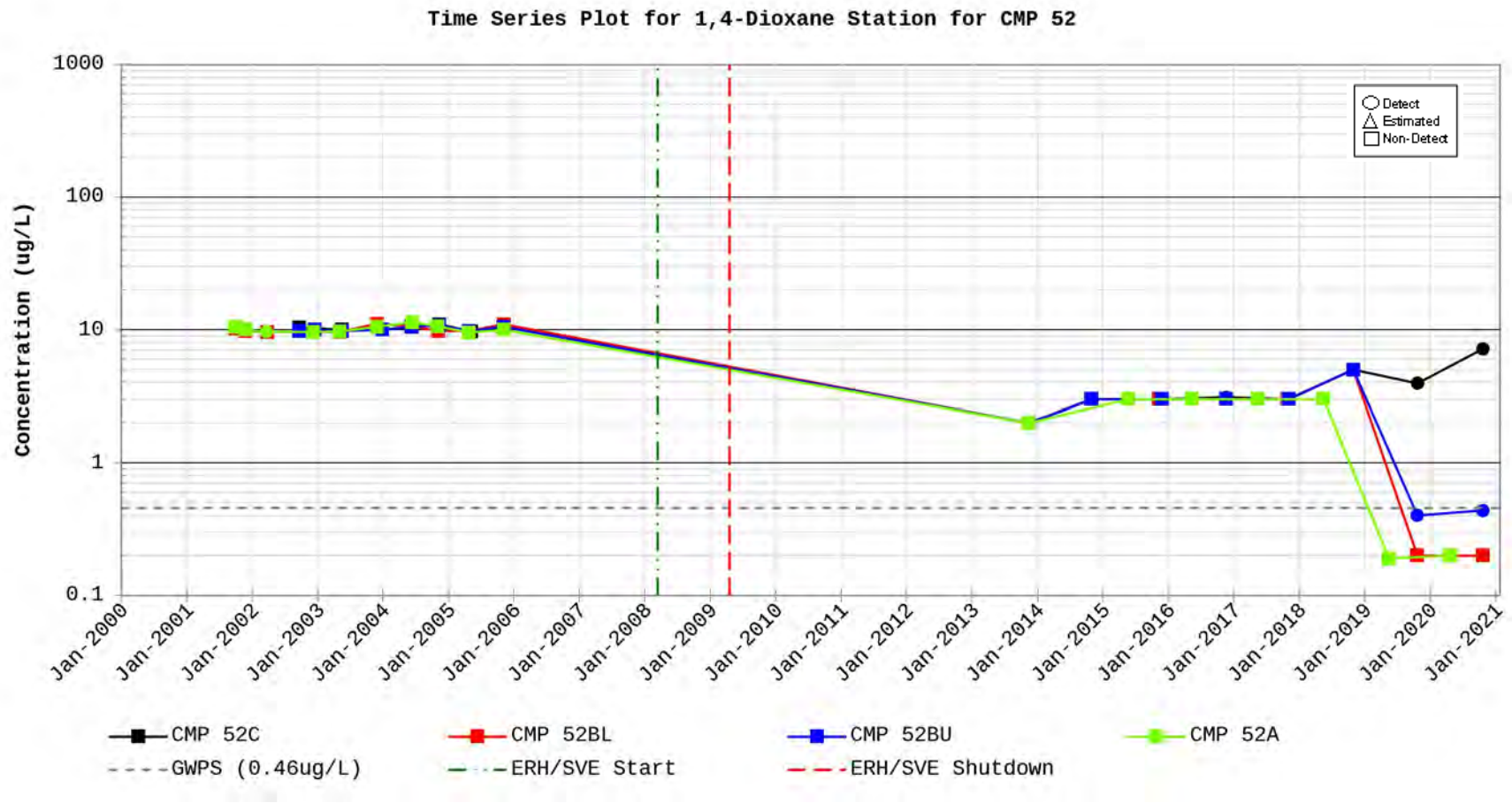

Time Series Plot for 1,4-Dioxane Station for CMP 45
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 45D
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

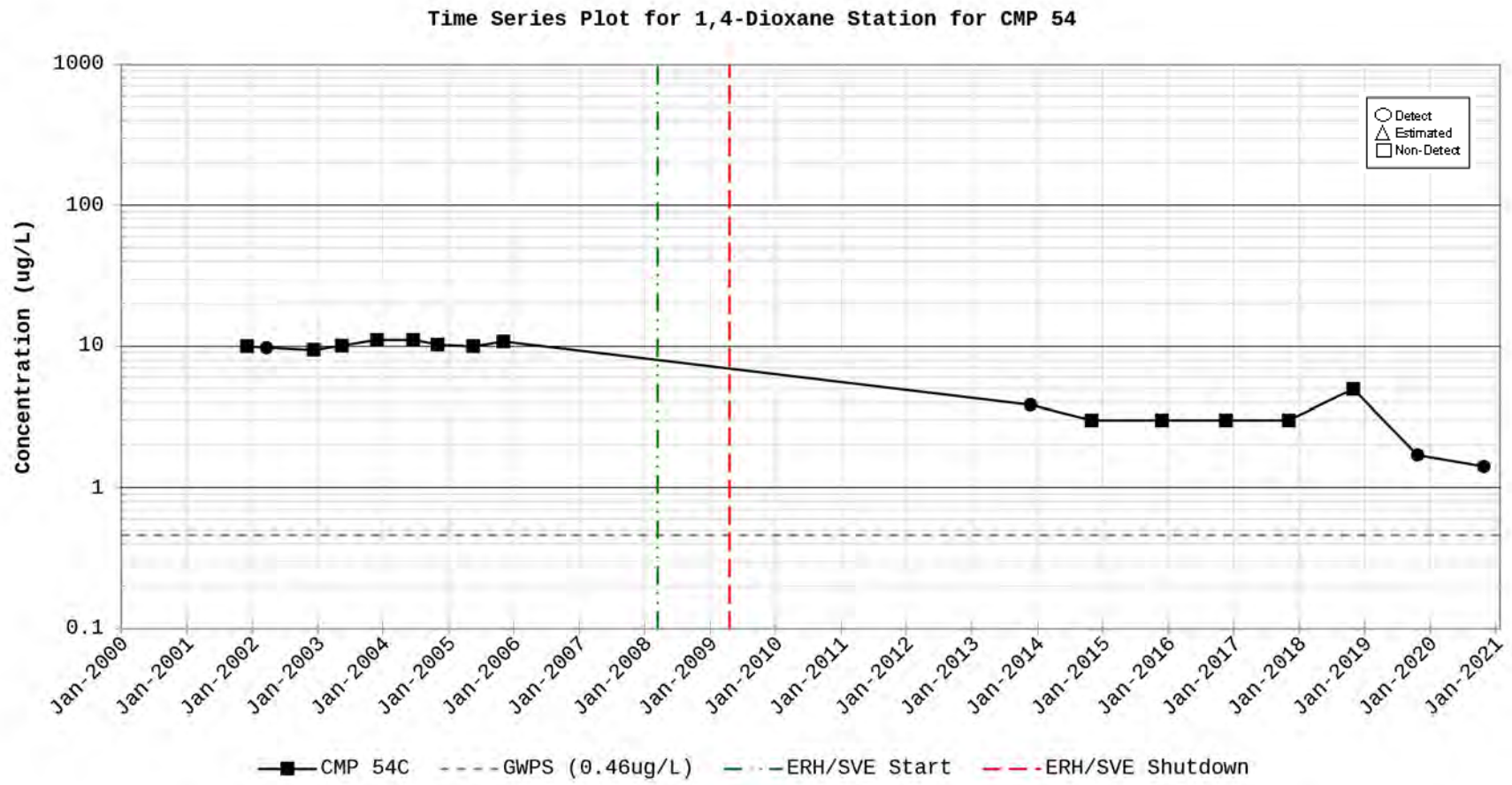

Time Series Plot for 1,4-Dioxane Station for CMP 47
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 47D
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

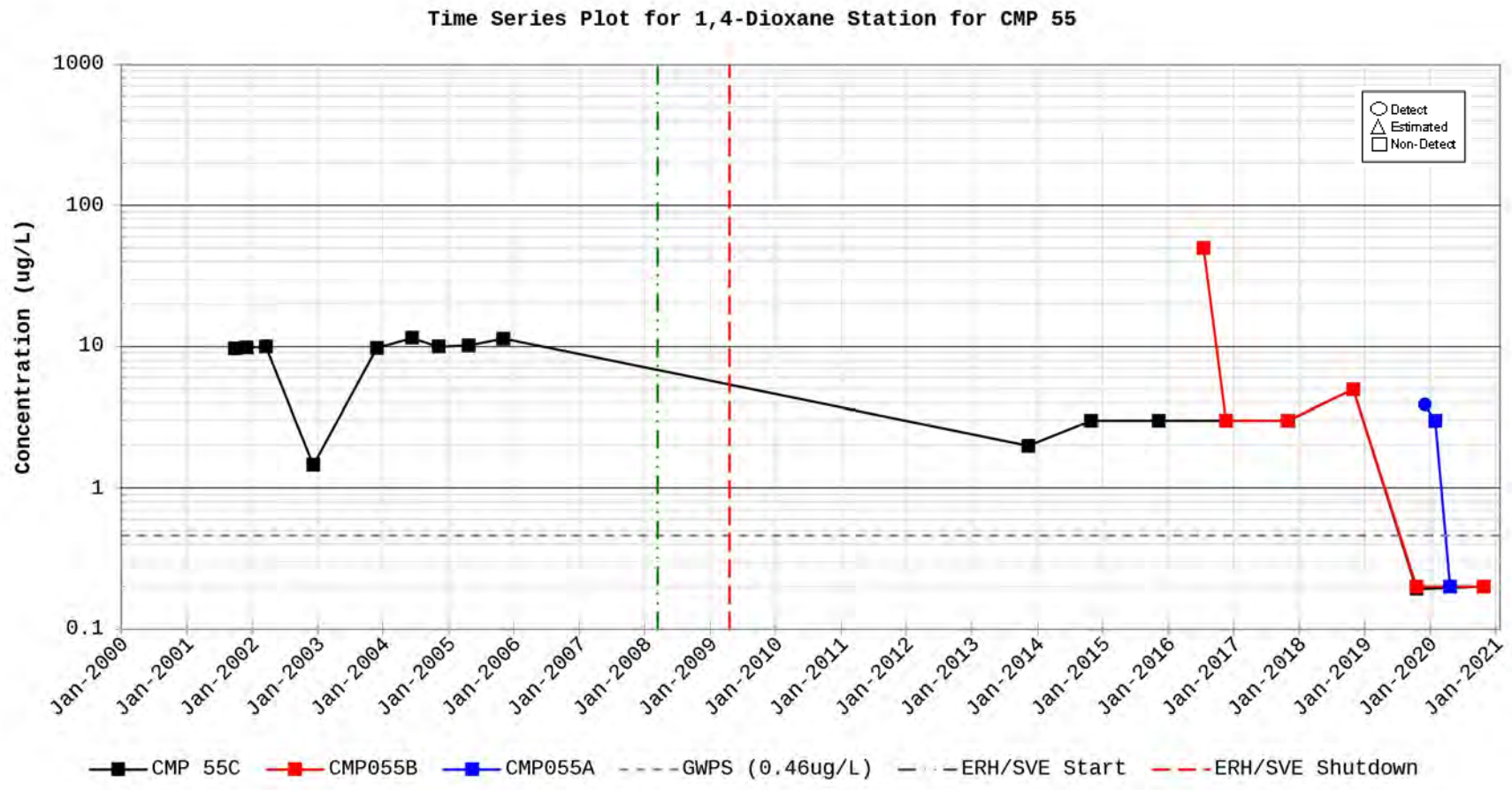

Time Series Plot for 1,4-Dioxane Station for CMP 48
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 48D
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

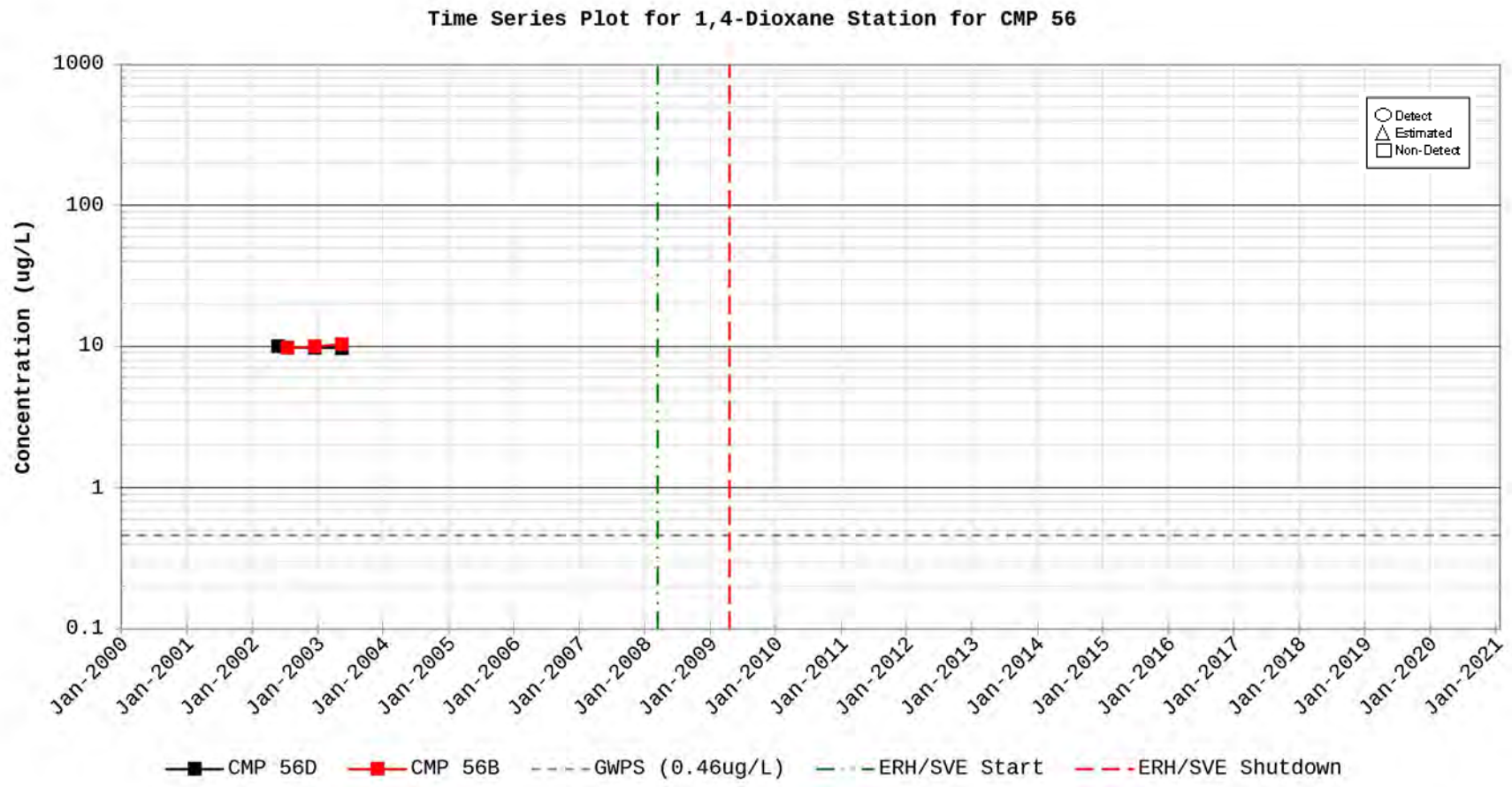

Time Series Plot for 1,4-Dioxane Station for CMP 50
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 50D
CMP 50B
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

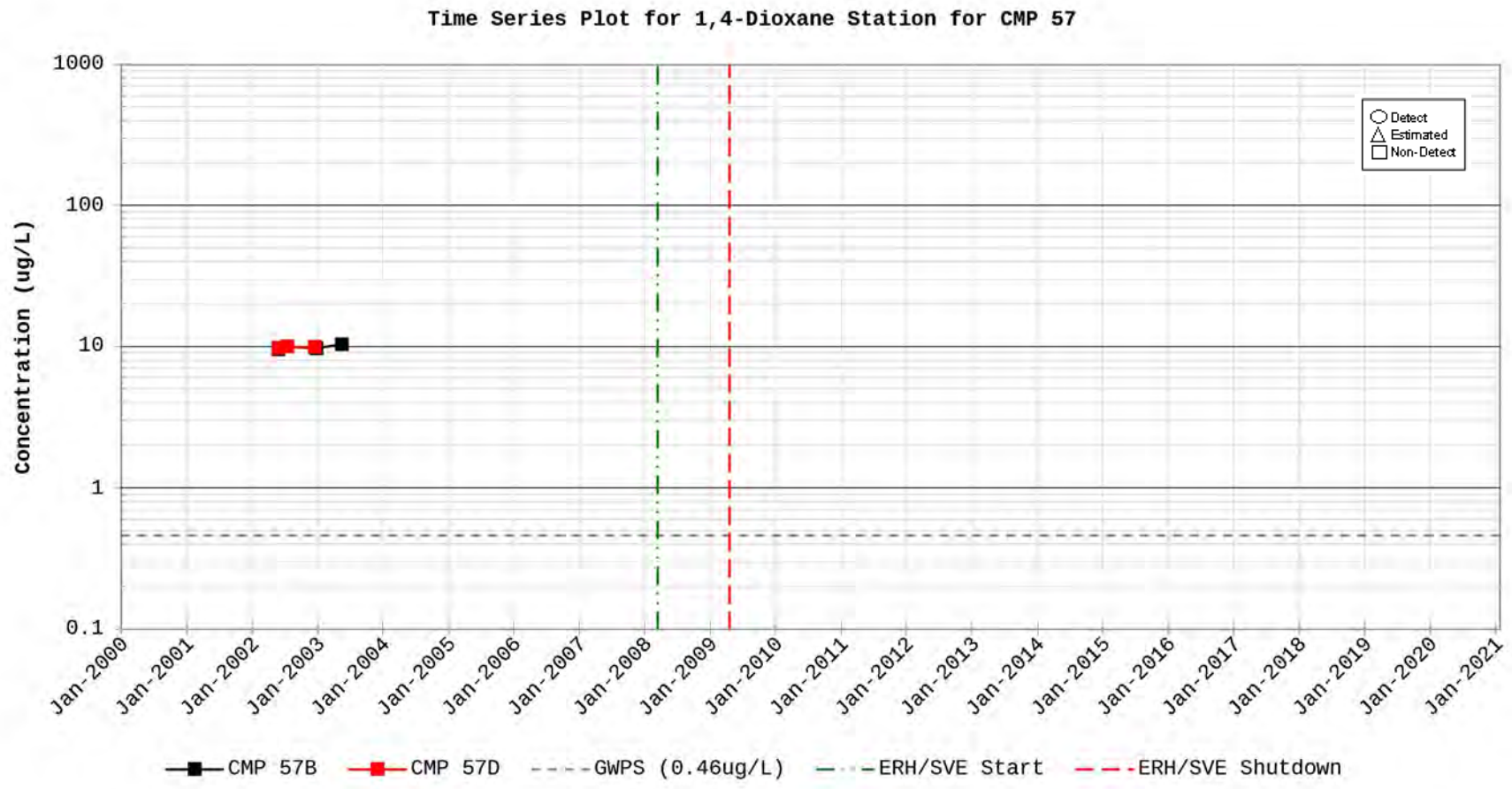

Time Series Plot for 1,4-Dioxane Station for CMP 51
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 51D
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

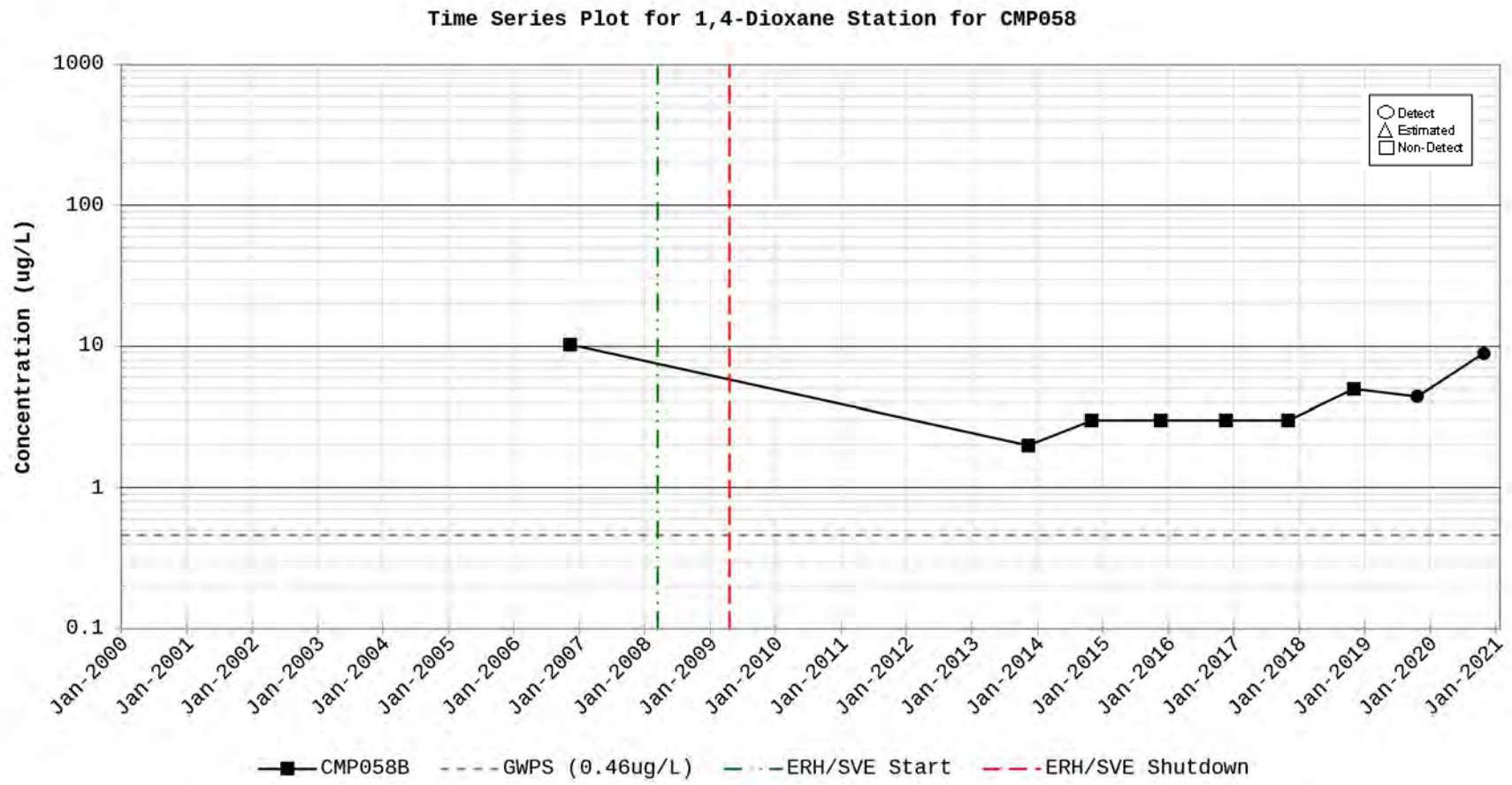

Time Series Plot for 1,4-Dioxane Station for CMP 52
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 52C
CMP 52BL
CMP 52BU
CMP 52A
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

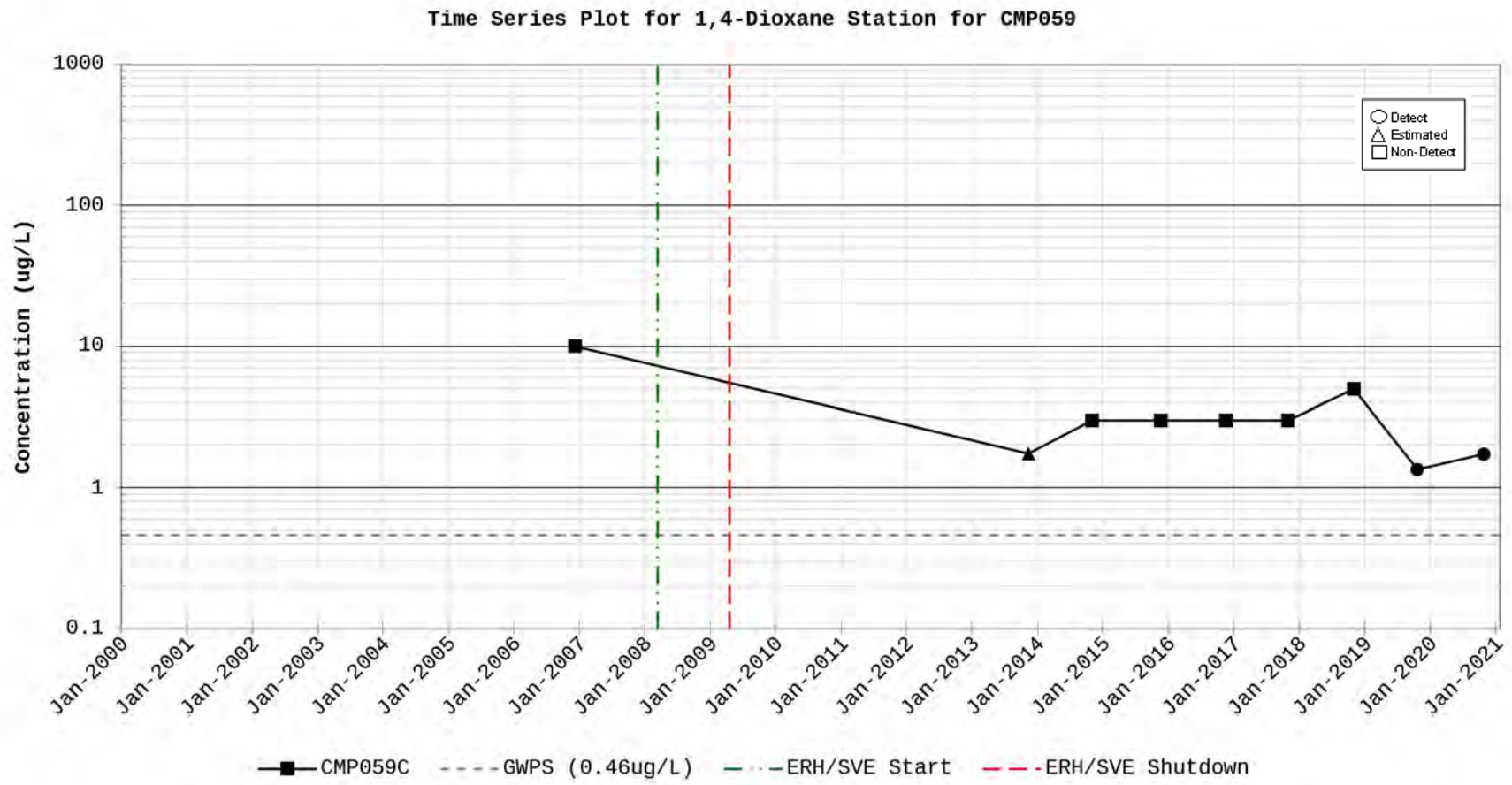

Time Series Plot for 1,4-Dioxane Station for CMP 54
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 54C
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

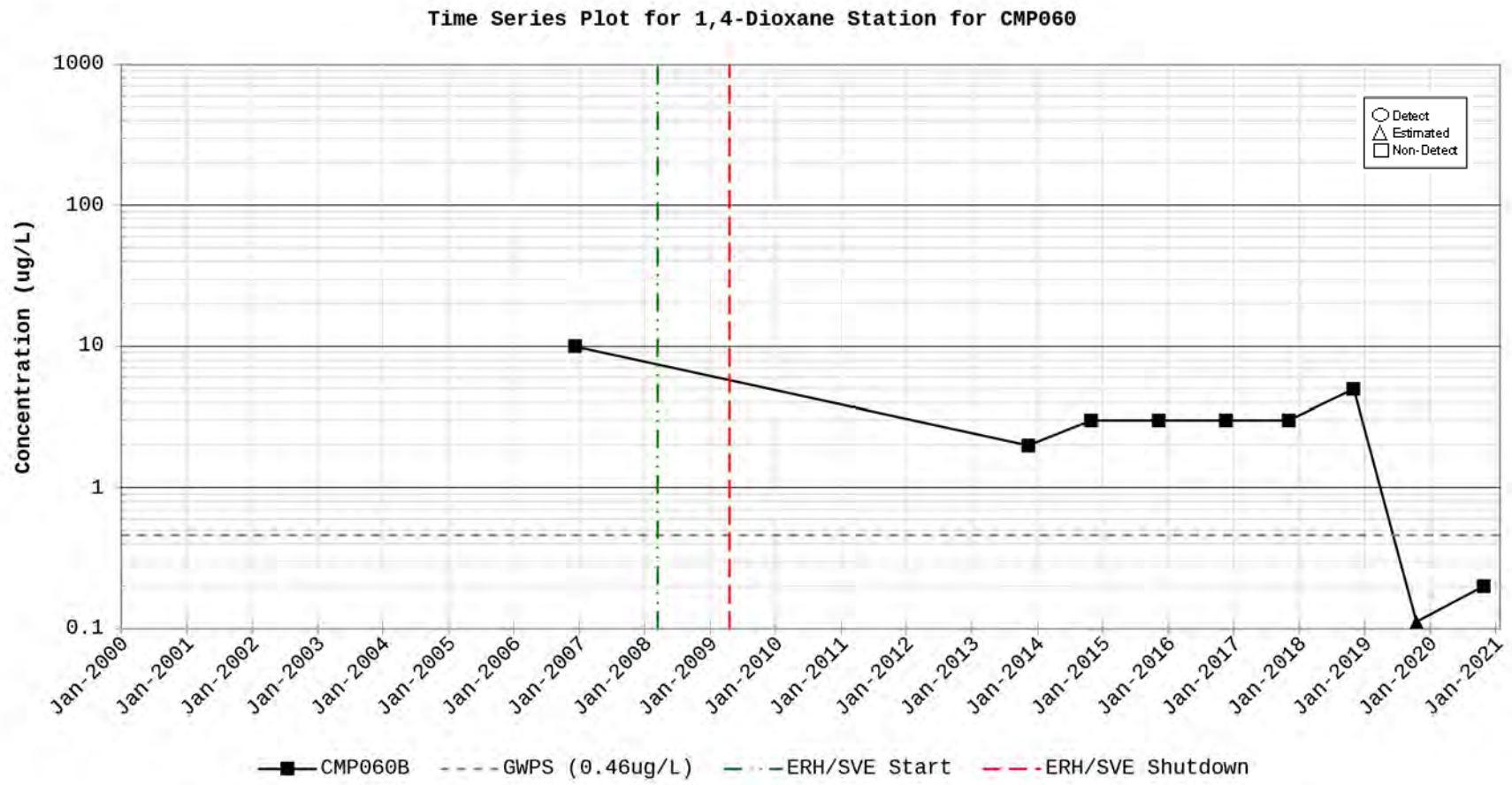

Time Series Plot for 1,4-Dioxane Station for CMP 55
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 55C
CMP055B
CMP055A
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

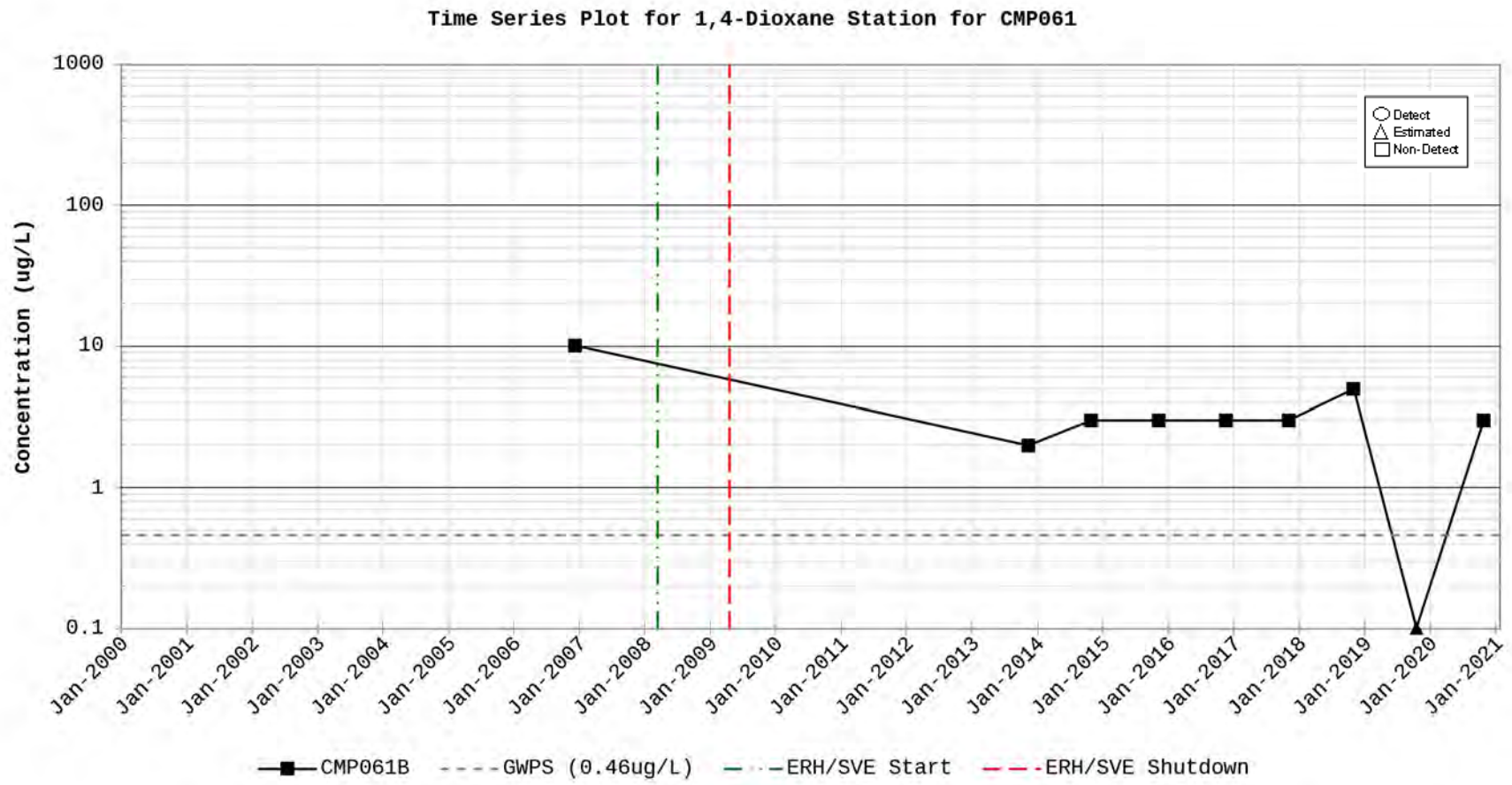

Time Series Plot for 1,4-Dioxane Station for CMP 56
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 56D
CMP 56B
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

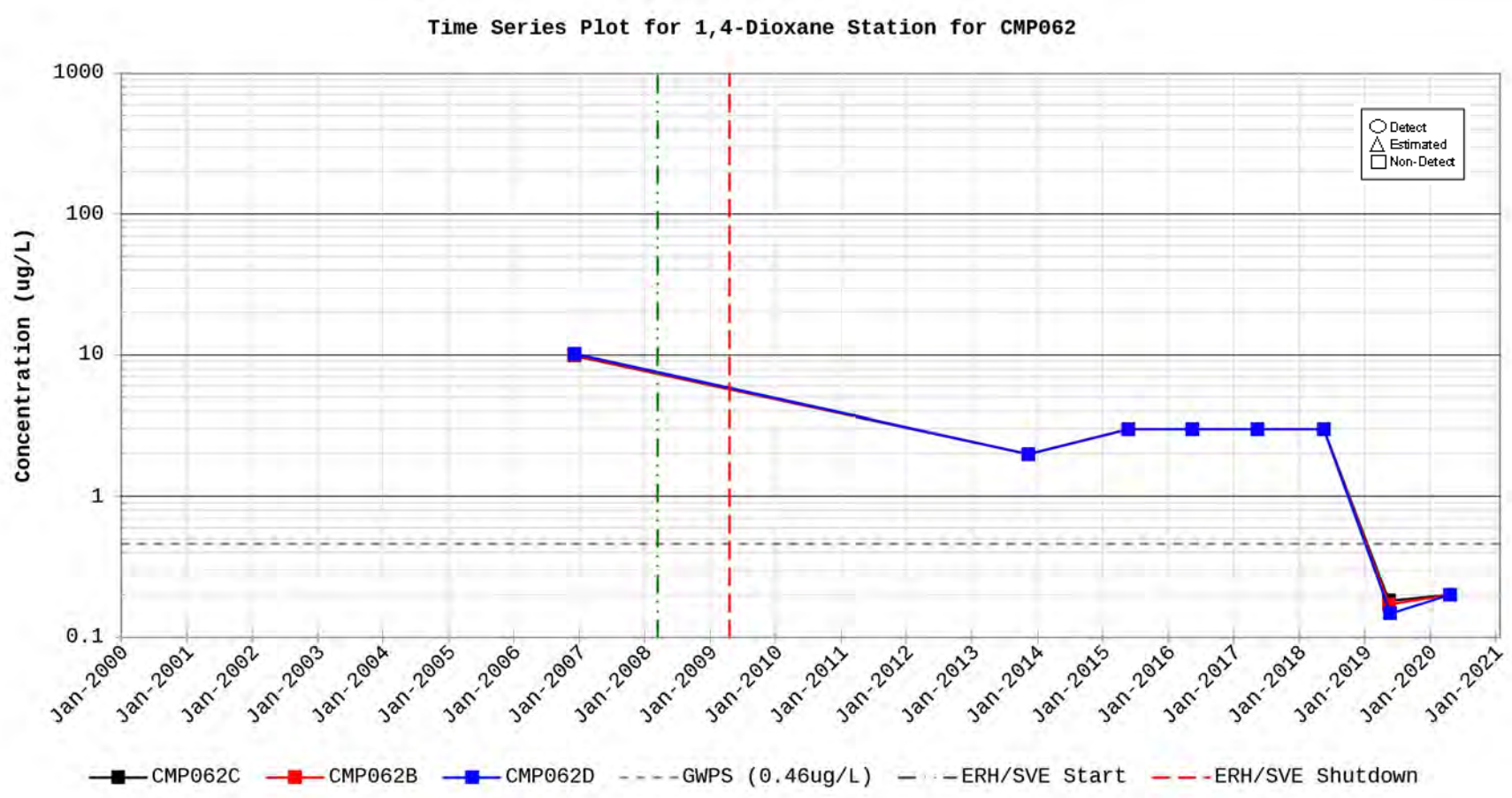

Time Series Plot for 1,4-Dioxane Station for CMP 57
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 57B
CMP 57D
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

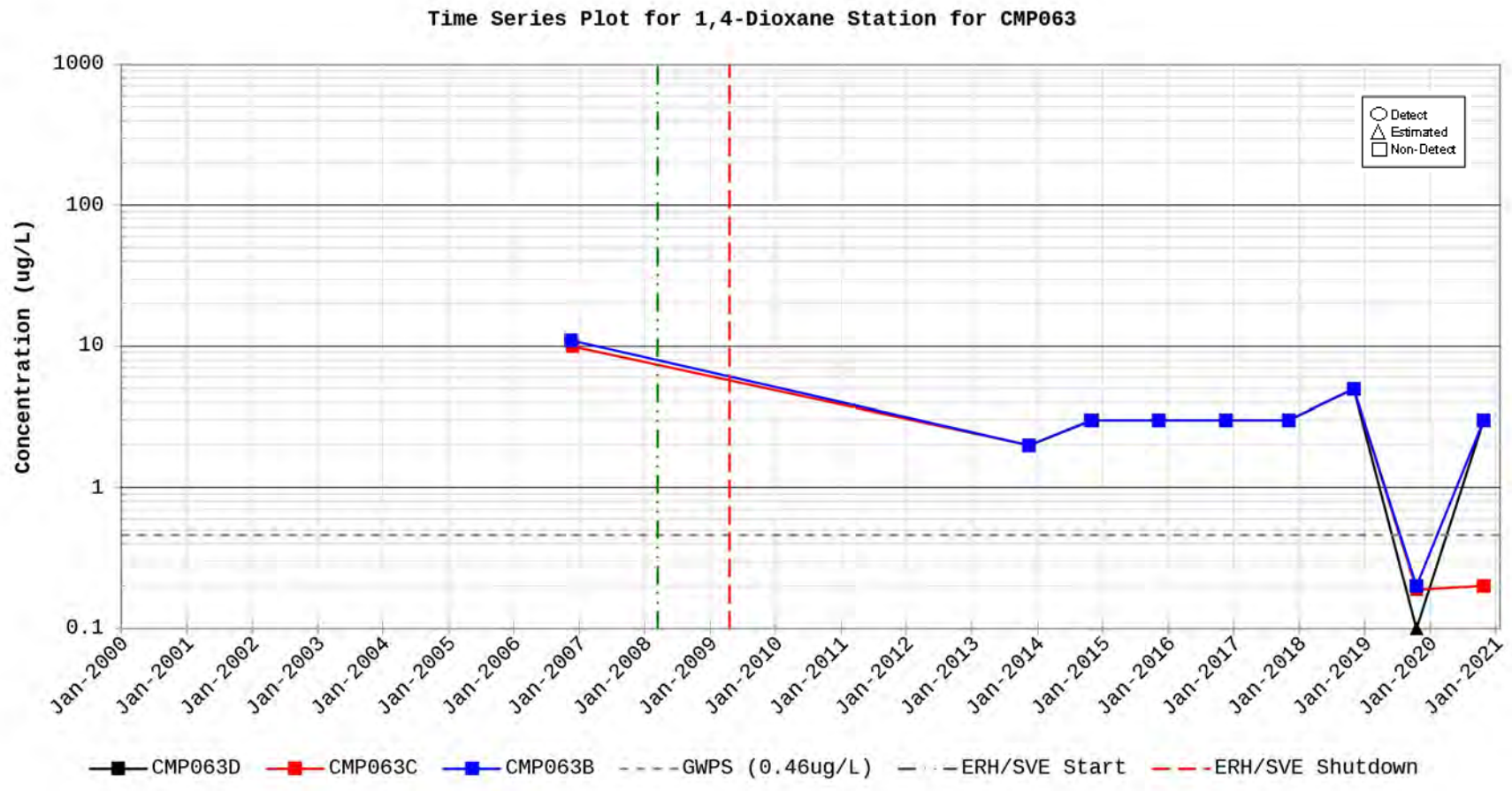

Time Series Plot for 1,4-Dioxane Station for CMP058
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP058B
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

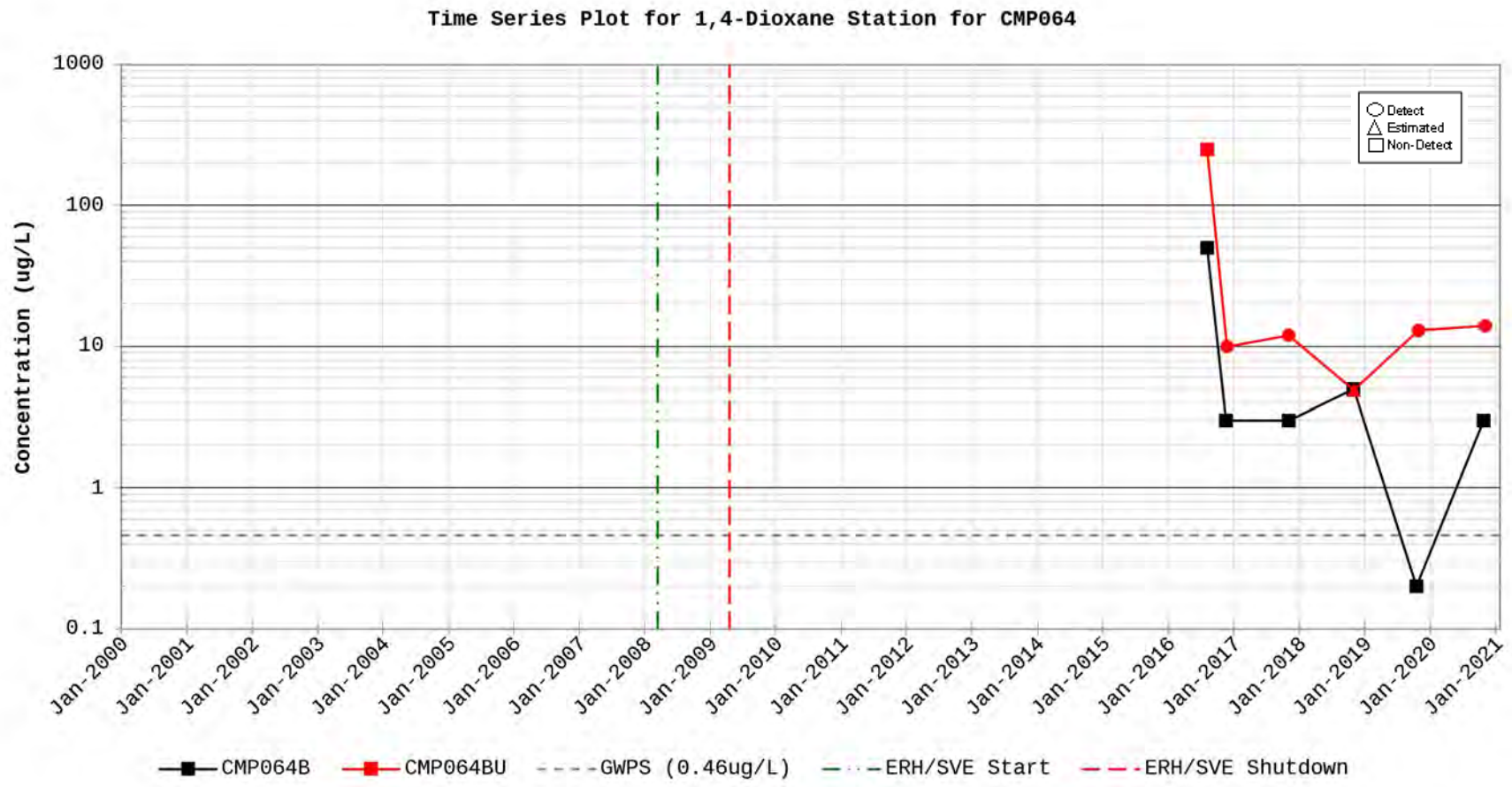

Time Series Plot for 1,4-Dioxane Station for CMP059
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP059C
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

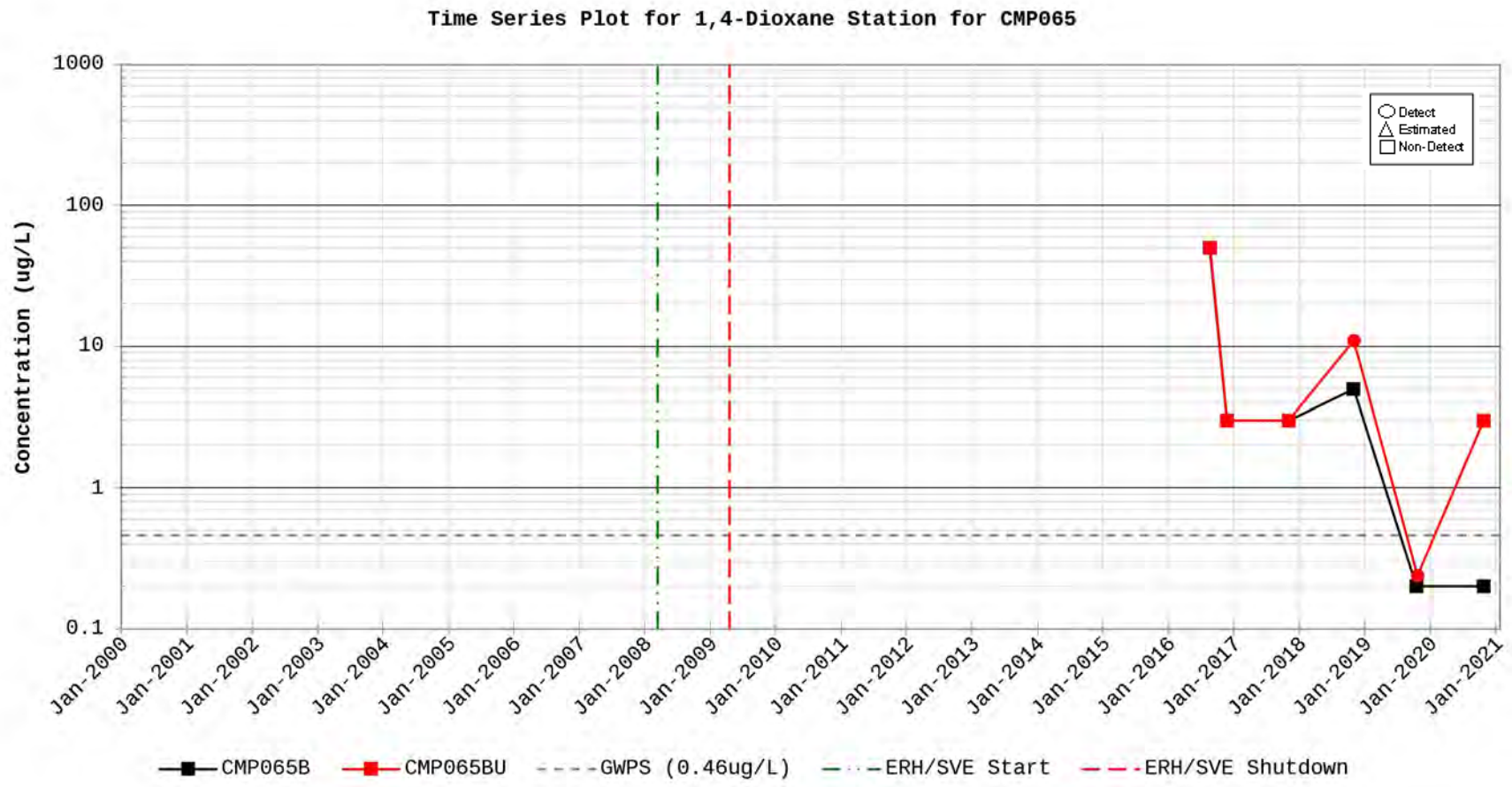

Time Series Plot for 1,4-Dioxane Station for CMP060
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP060B
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

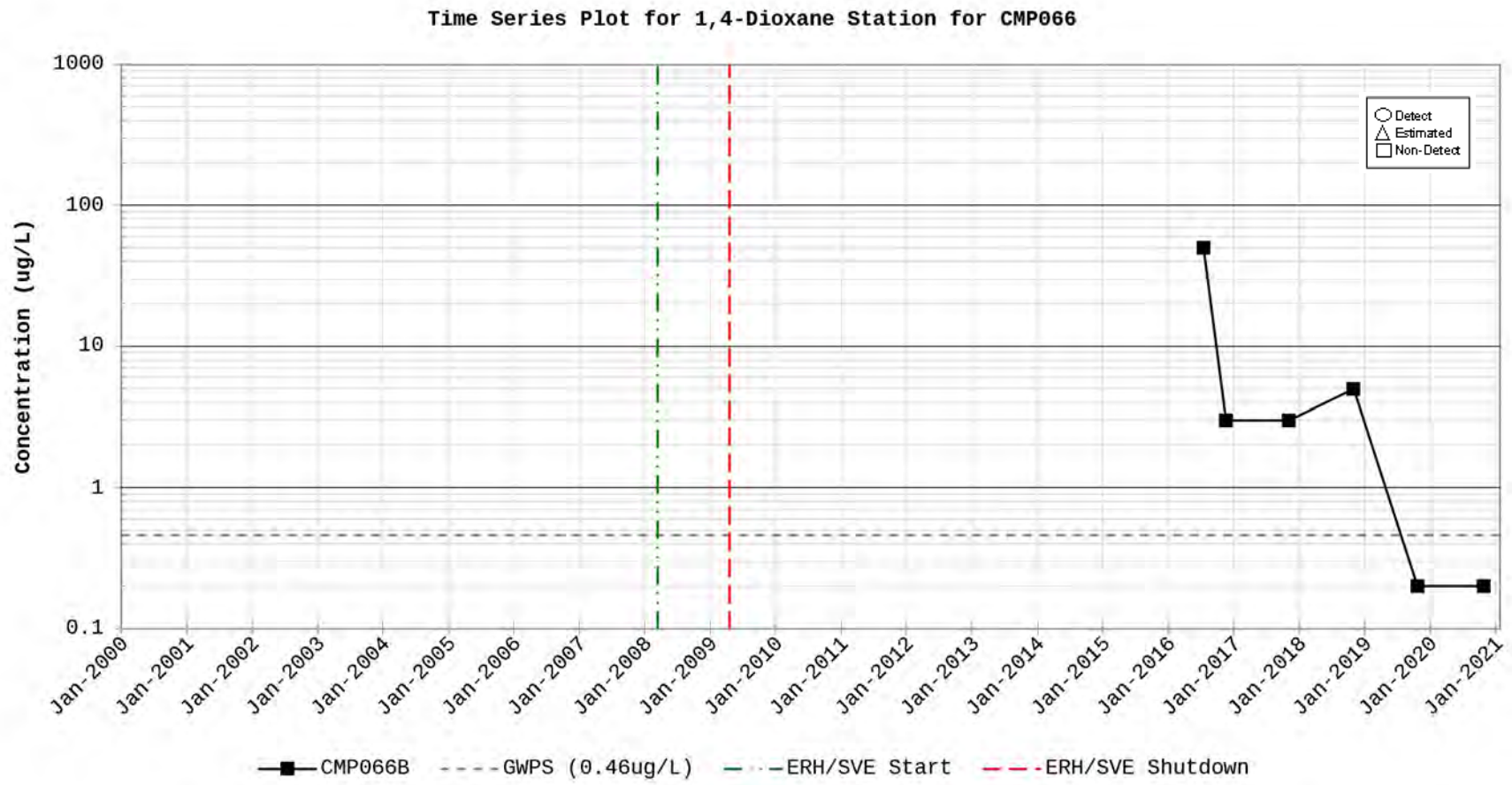

Time Series Plot for 1,4-Dioxane Station for CMP061
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP061B
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

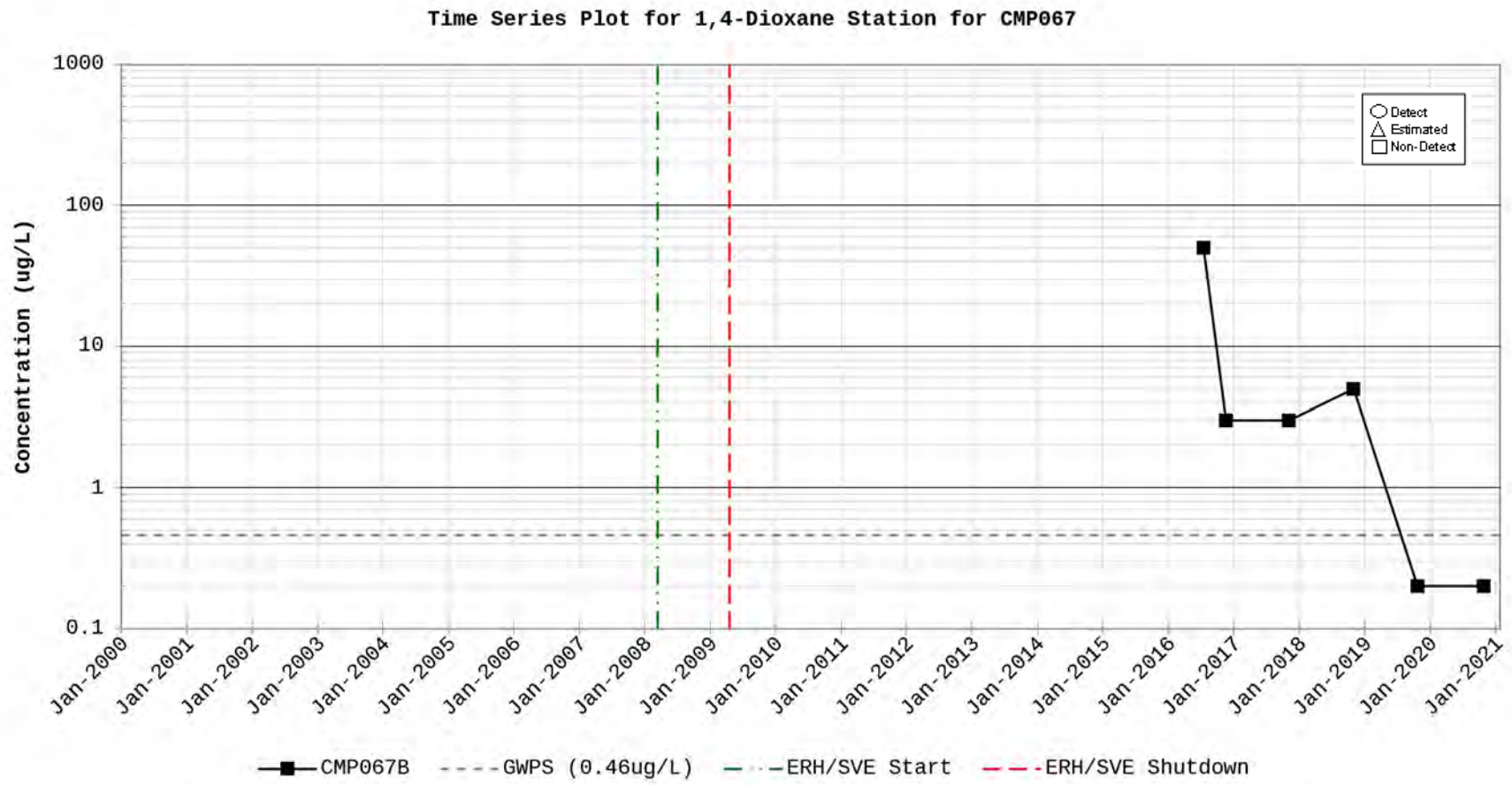

Time Series Plot for 1,4-Dioxane Station for CMP062
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP062C
CMP062B
CMP062D
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

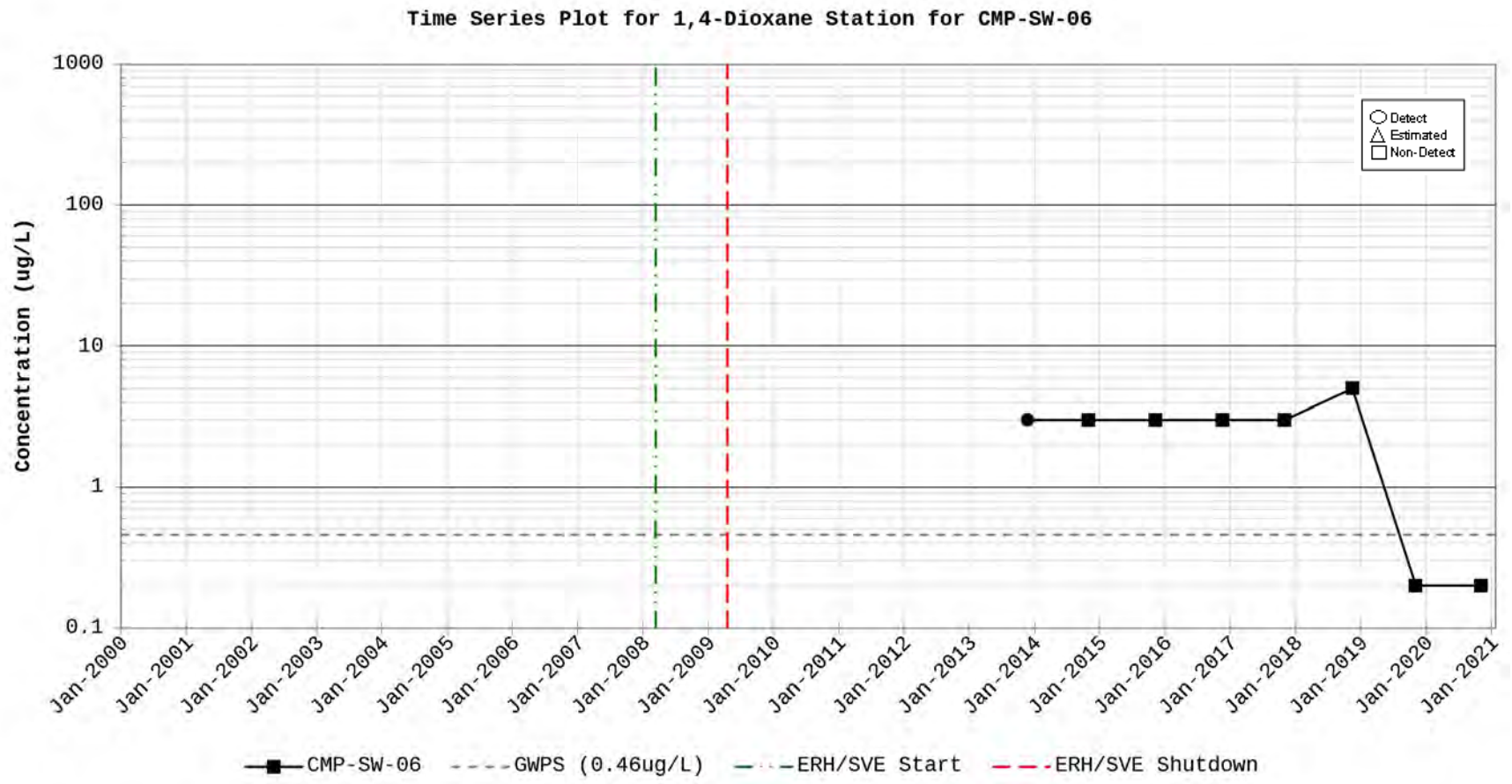

Time Series Plot for 1,4-Dioxane Station for CMP063
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP063D
CMP063C
CMP063B
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

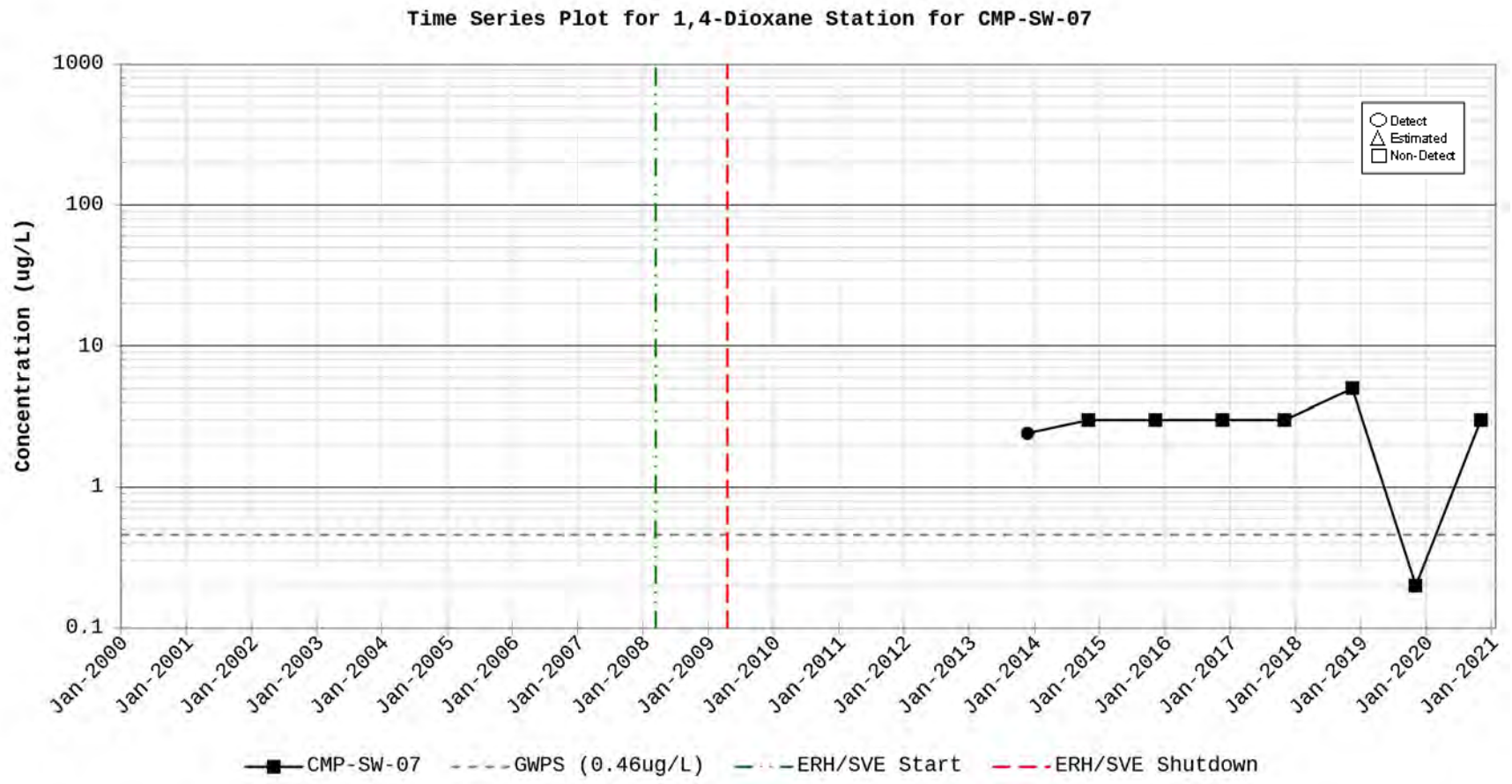

Time Series Plot for 1,4-Dioxane Station for CMP064
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP064B
CMP064BU
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

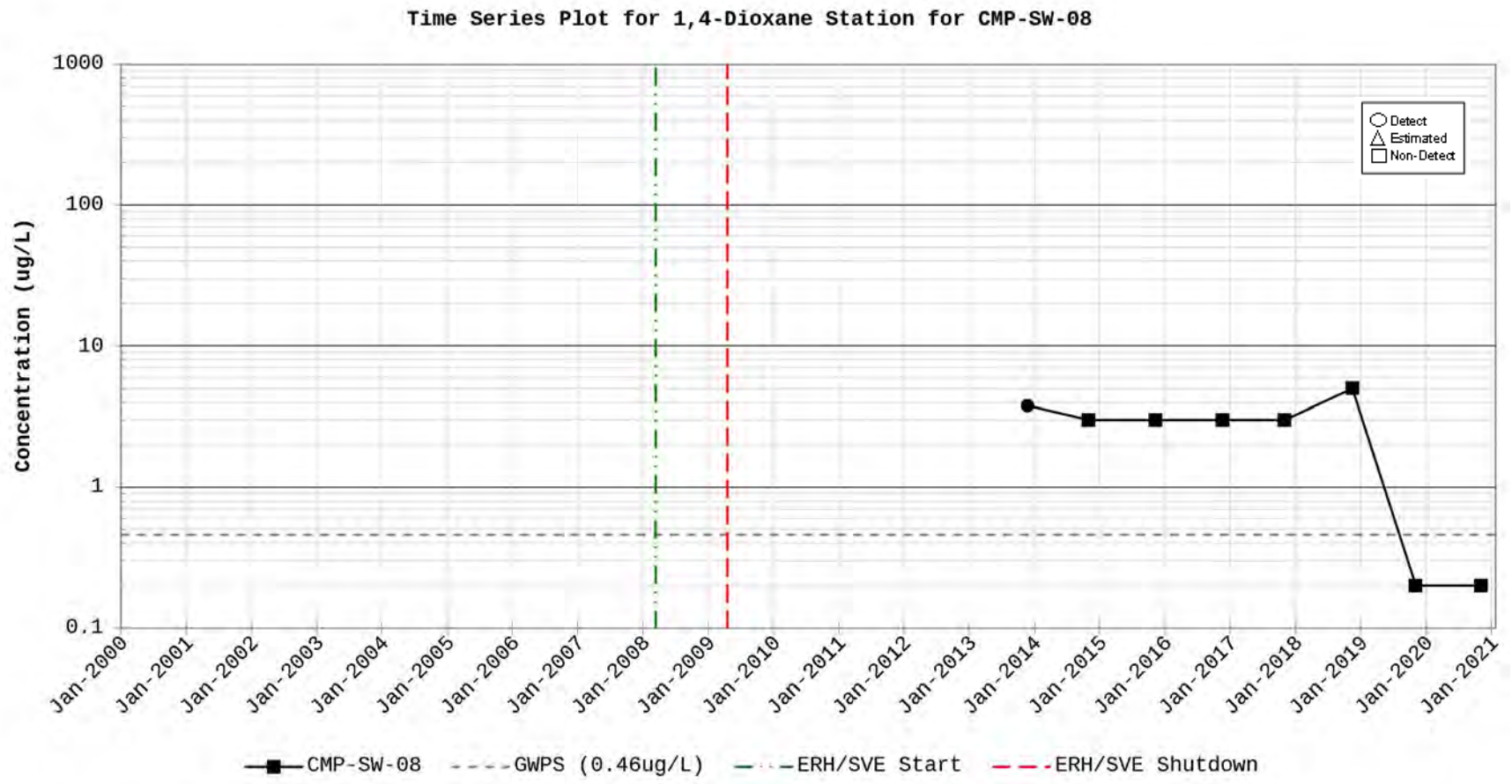

Time Series Plot for 1,4-Dioxane Station for CMP065
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP065B
CMP065BU
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

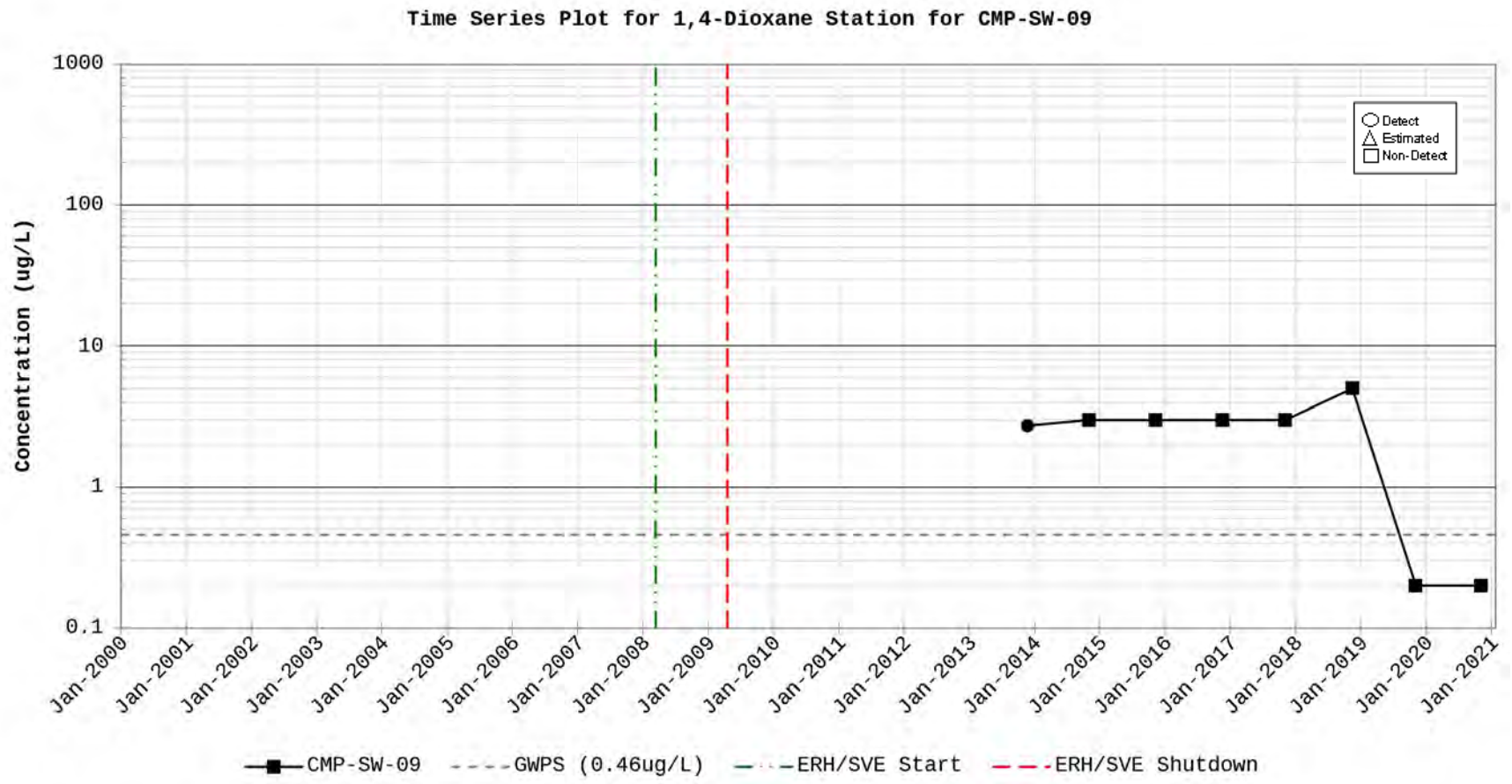

Time Series Plot for 1,4-Dioxane Station for CMP066
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP066B
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

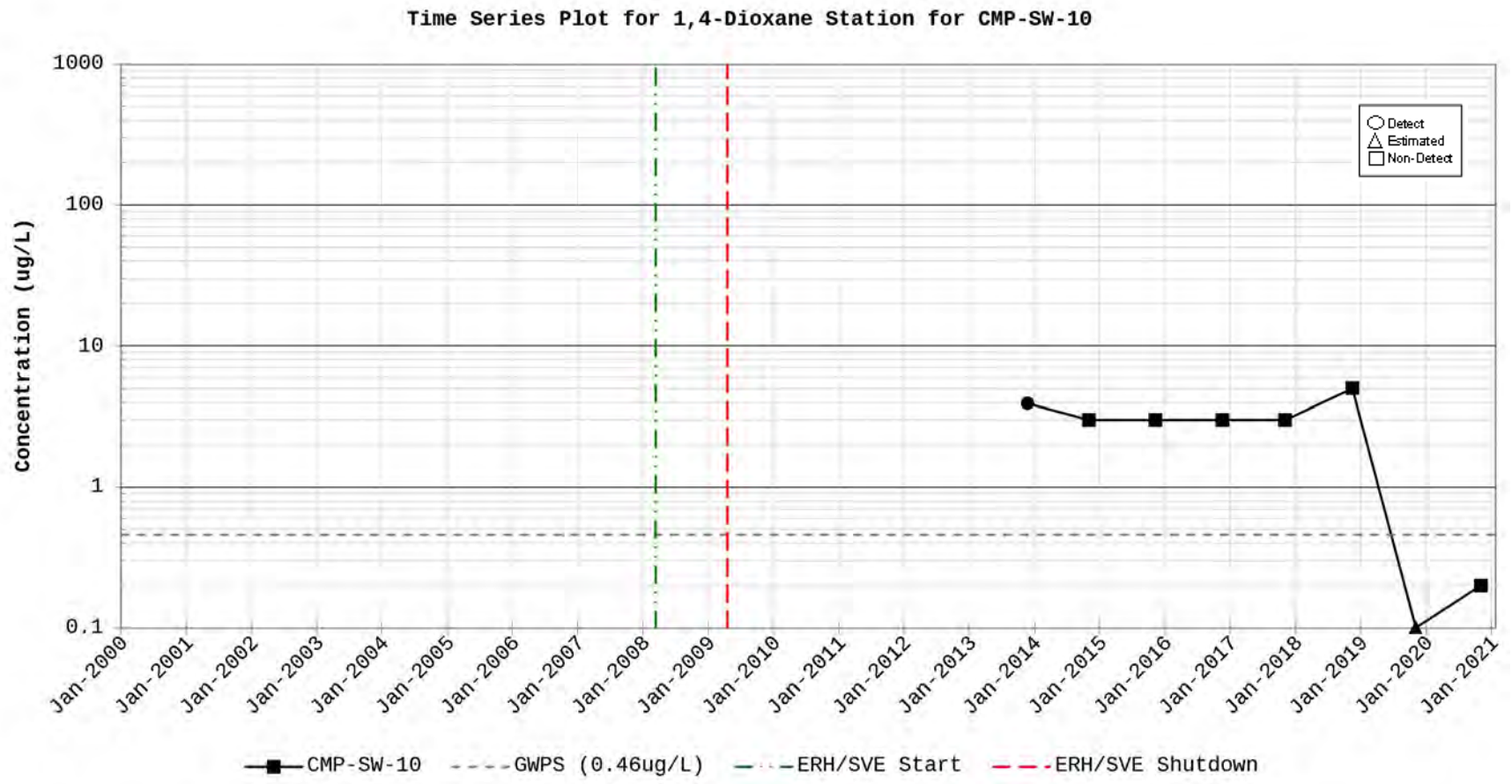

Time Series Plot for 1,4-Dioxane Station for CMP067
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP067B
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

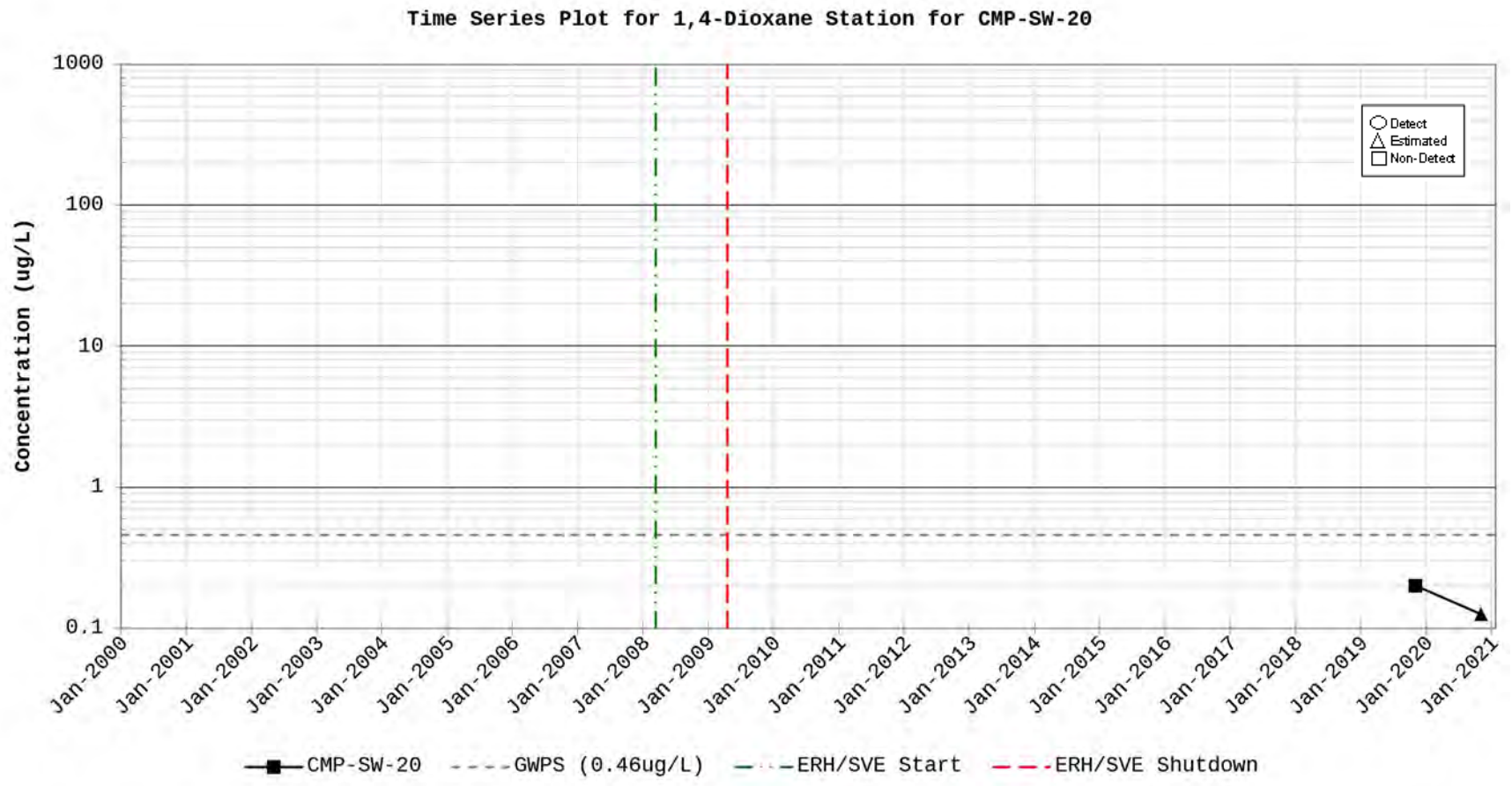

Time Series Plot for 1,4-Dioxane Station for CMP-SW-06
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP-SW-06
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

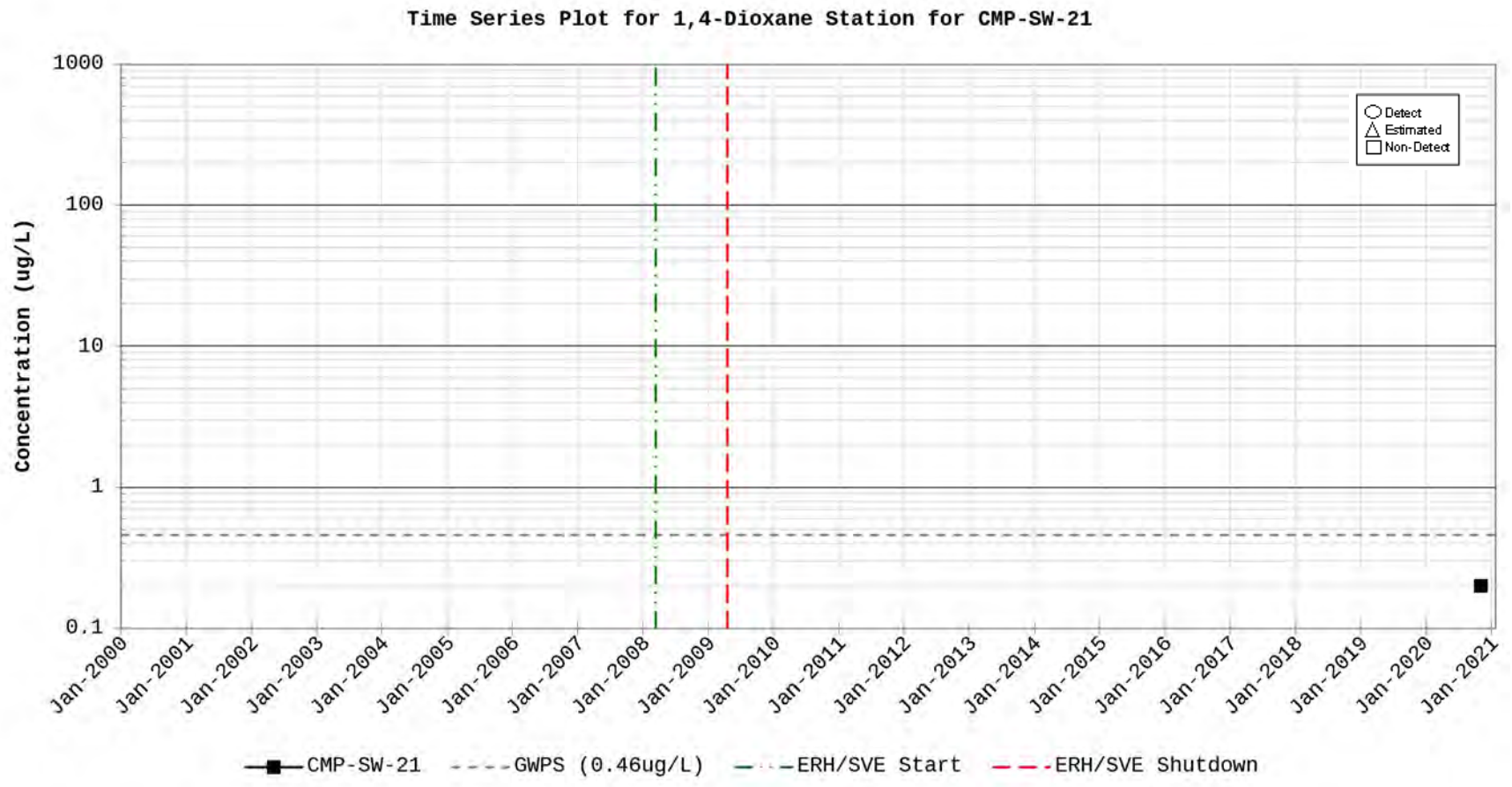

Time Series Plot for 1,4-Dioxane Station for CMP-SW-07
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP-SW-07
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

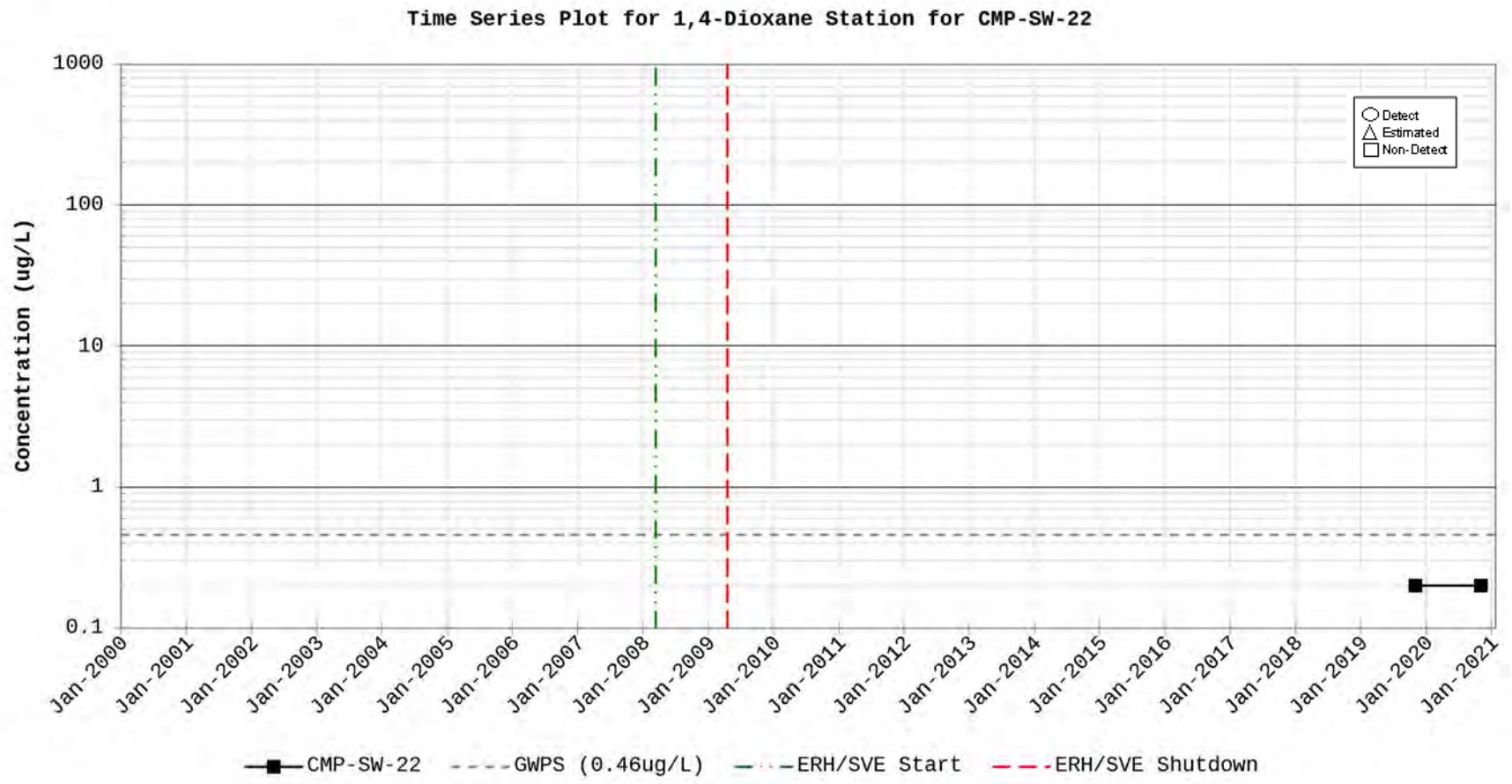

Time Series Plot for 1,4-Dioxane Station for CMP-SW-08
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP-SW-08
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

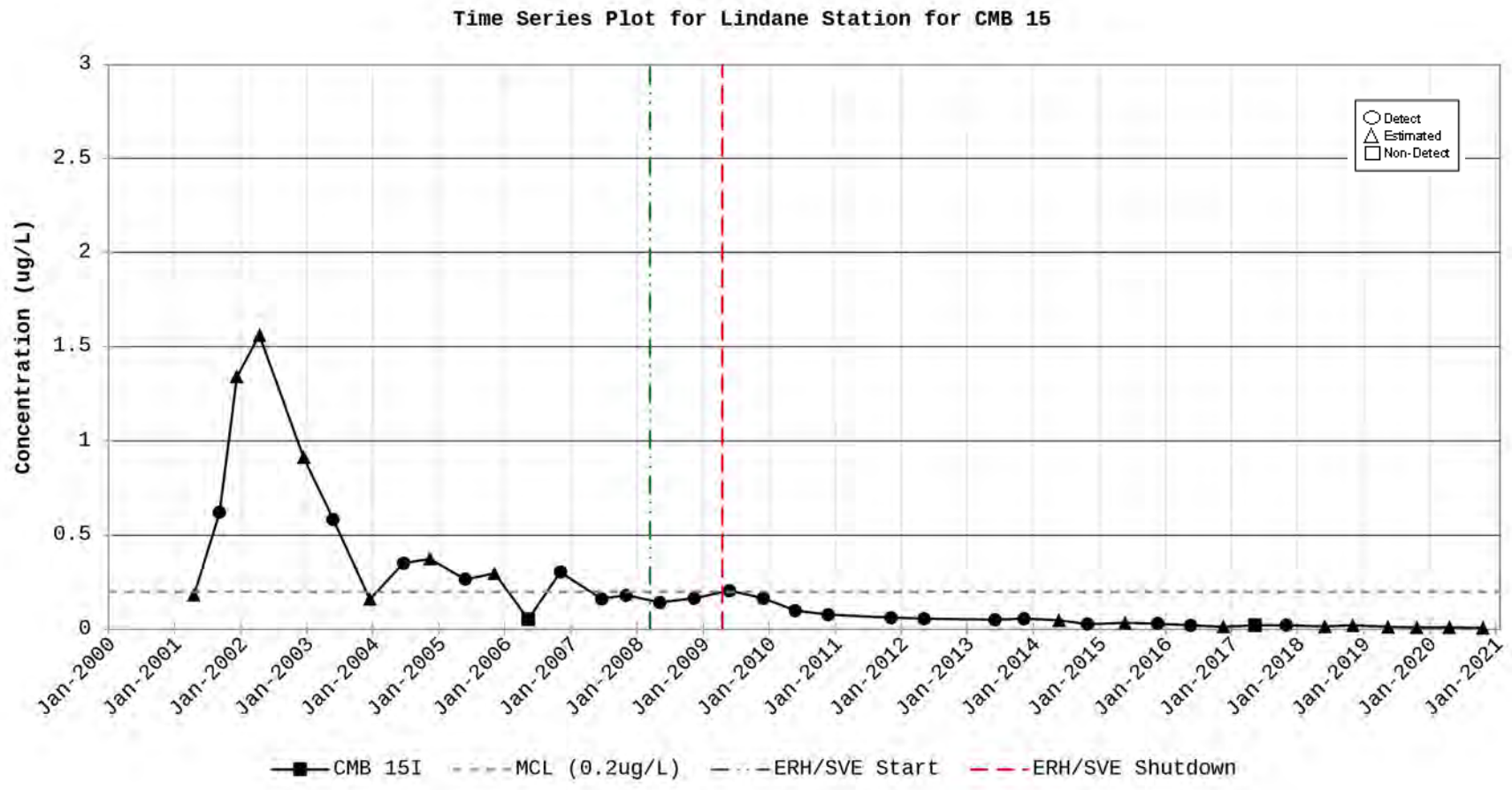

Time Series Plot for 1,4-Dioxane Station for CMP-SW-09
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP-SW-09
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

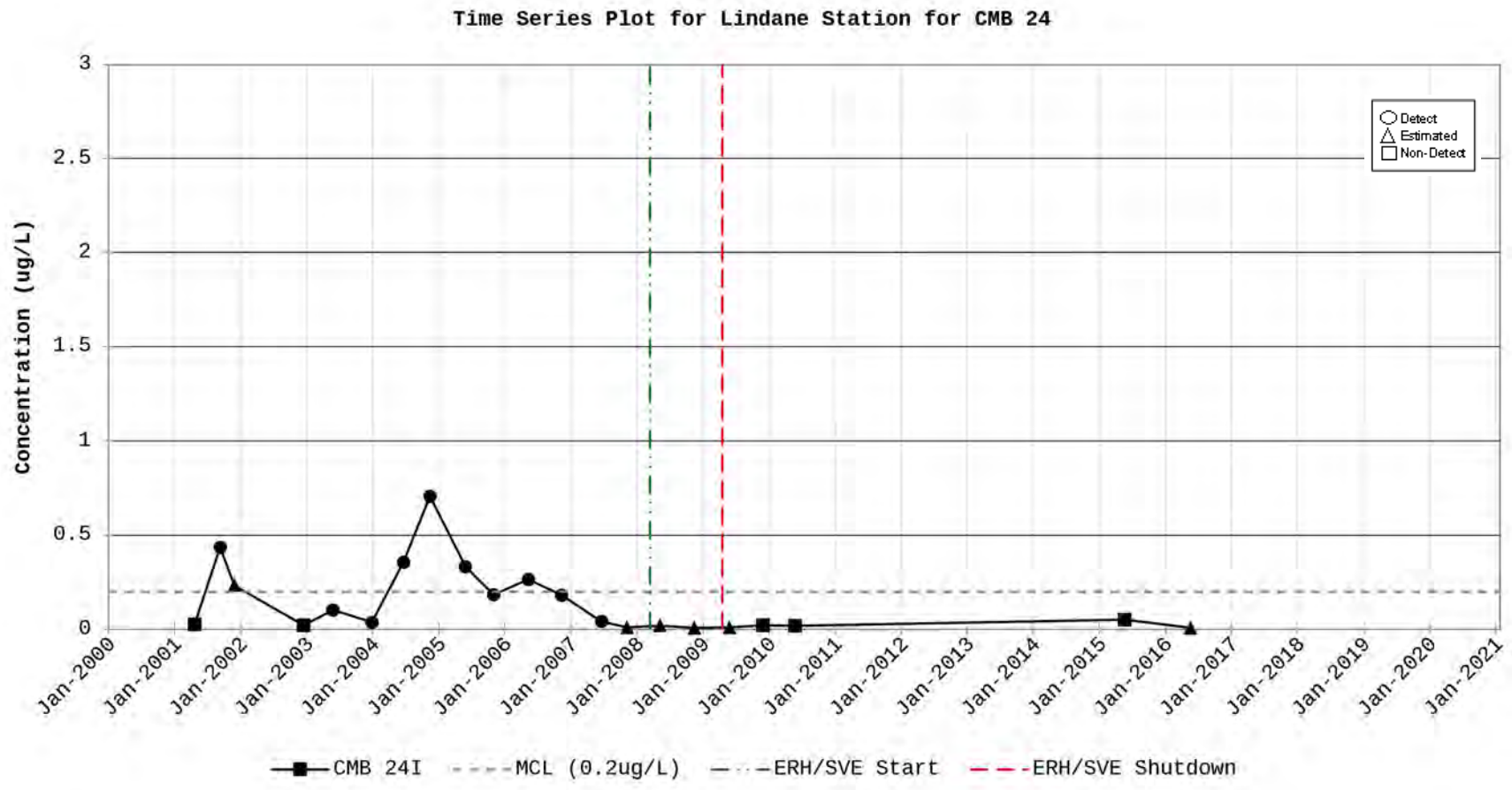

Time Series Plot for 1,4-Dioxane Station for CMP-SW-10
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP-SW-10
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

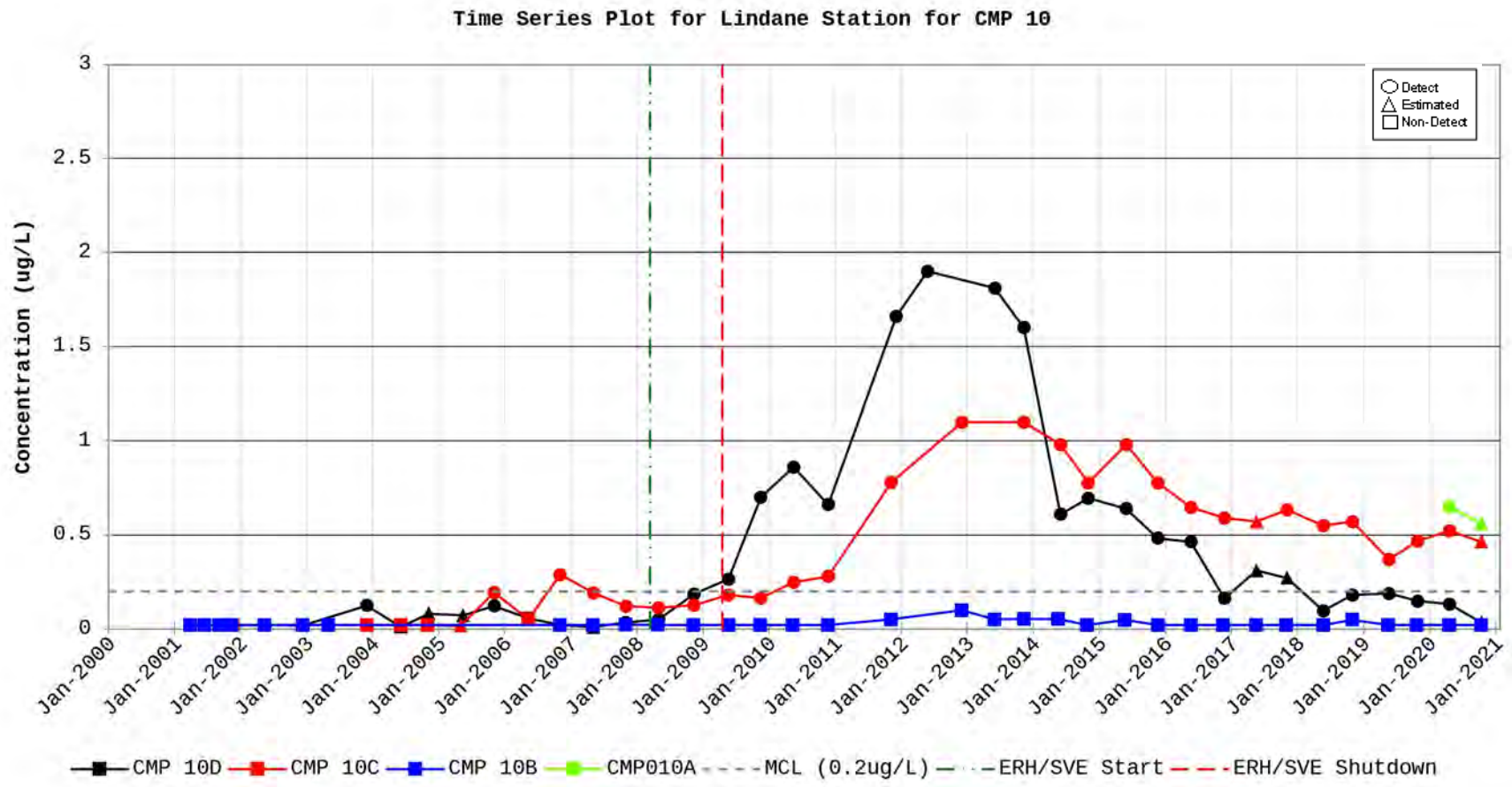

Time Series Plot for 1,4-Dioxane Station for CMP-SW-20
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP-SW-20
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

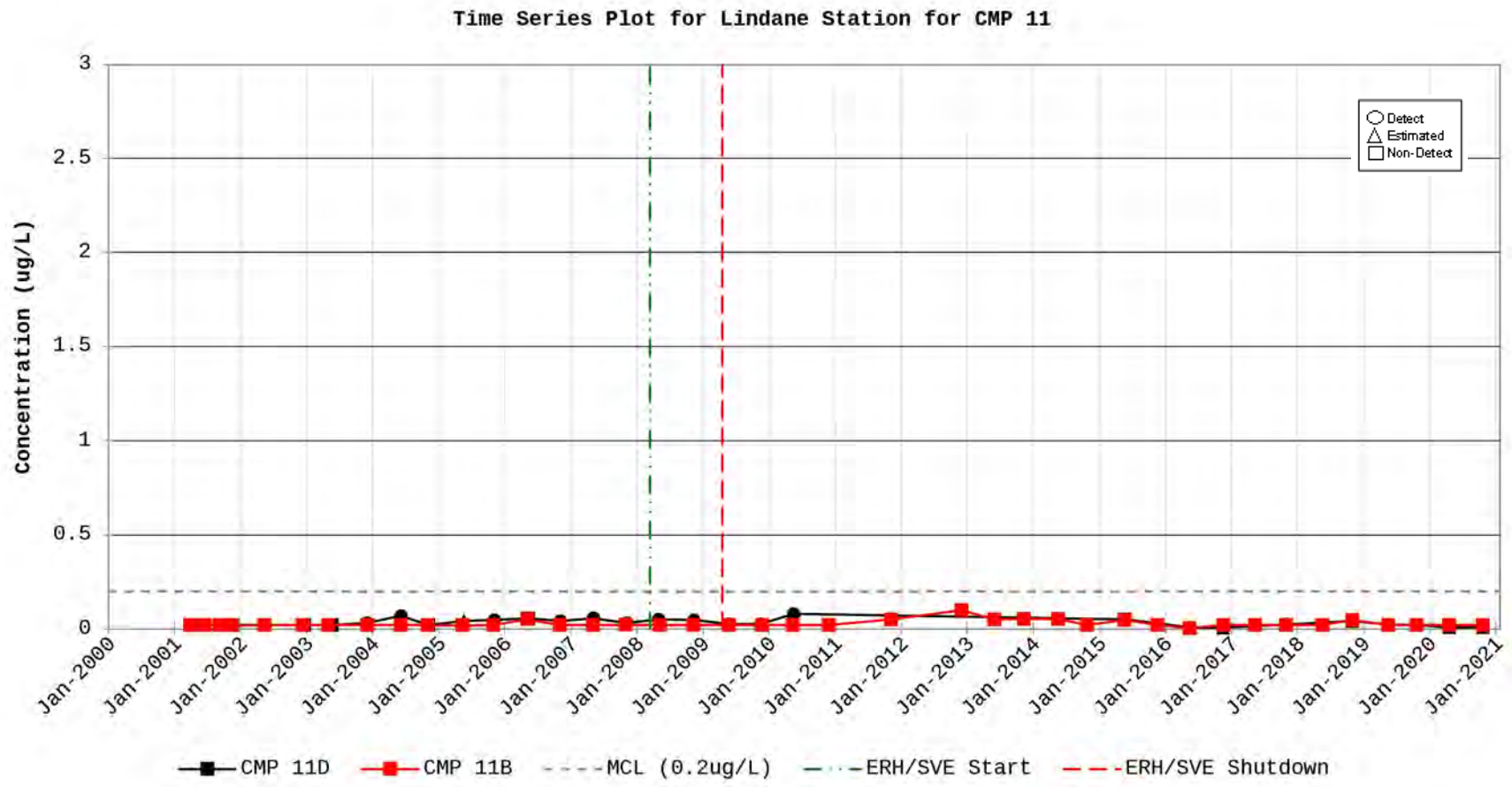

Time Series Plot for 1,4-Dioxane Station for CMP-SW-21
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP-SW-21
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

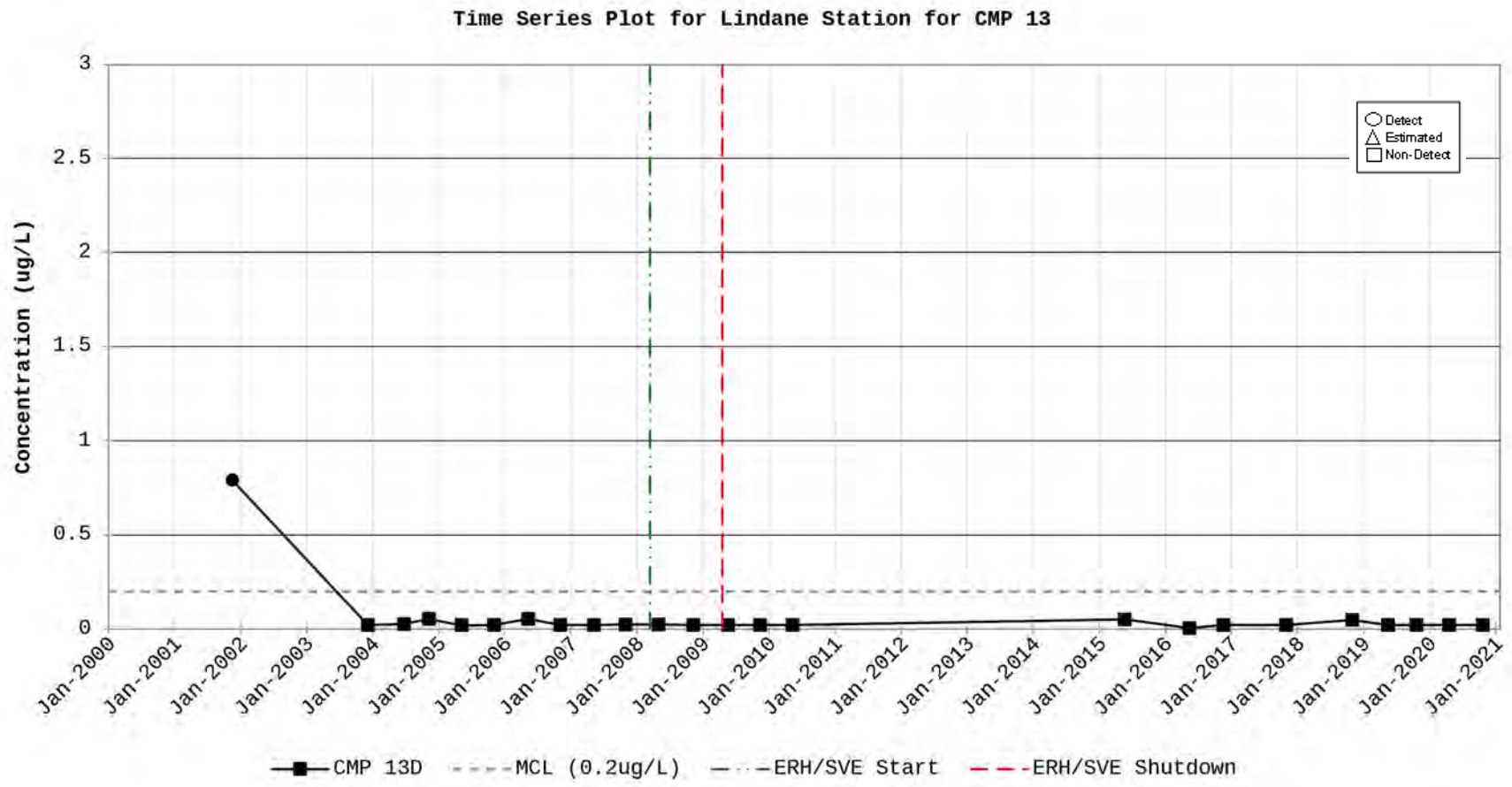

Time Series Plot for 1,4-Dioxane Station for CMP-SW-22
Concentration (ug/L)
1000
100
10
1
0.1
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP-SW-22
GWPS (0.46ug/L)
ERH/SVE Start
ERH/SVE Shutdown

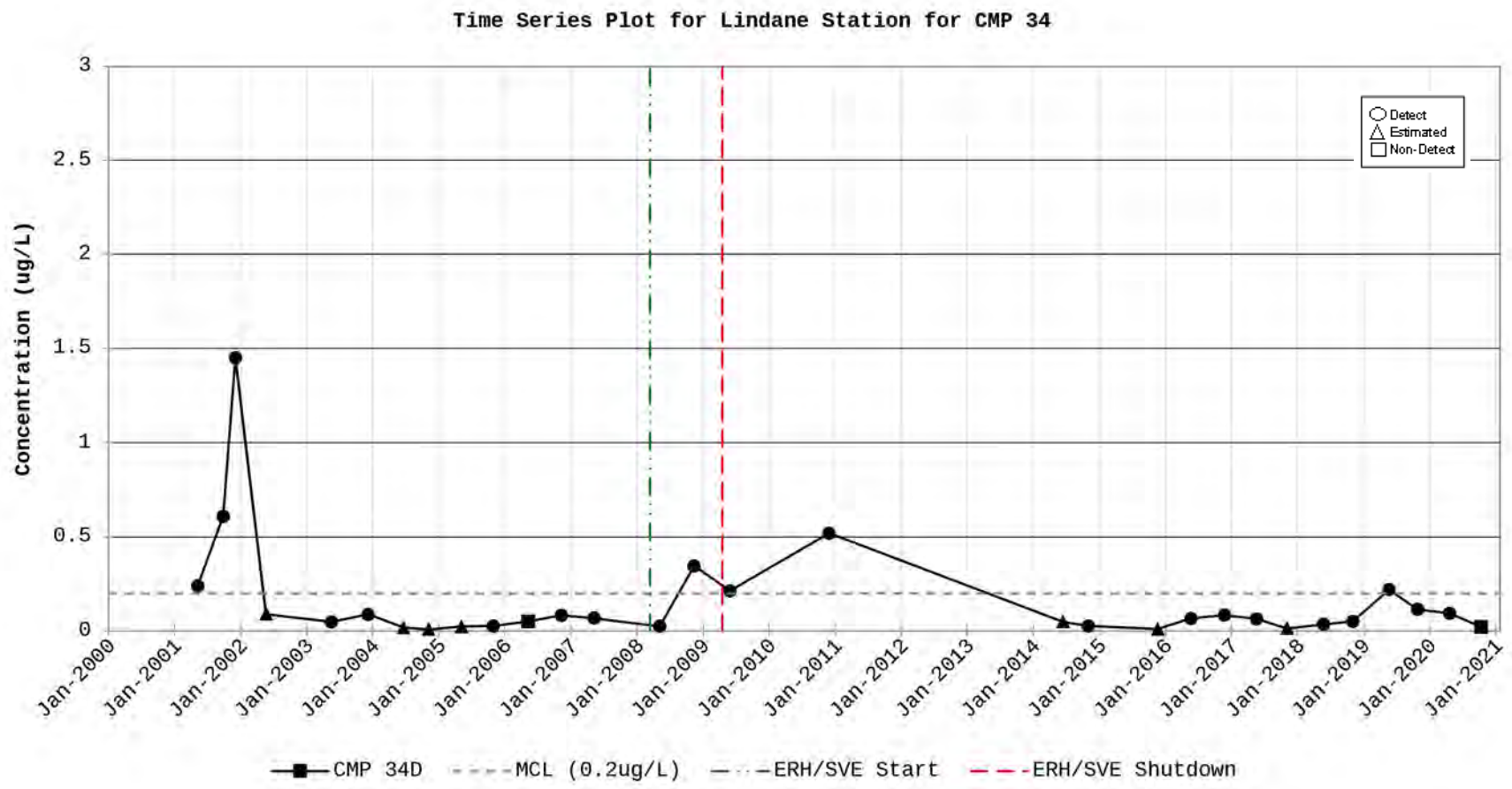

Time Series Plot for Lindane Station for CMB 15
Concentration (ug/L)
3
2.5
2
1.5
1
0.5
0
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMB 15I
MCL (0.2ug/L)
ERH/SVE Start
ERH/SVE Shutdown

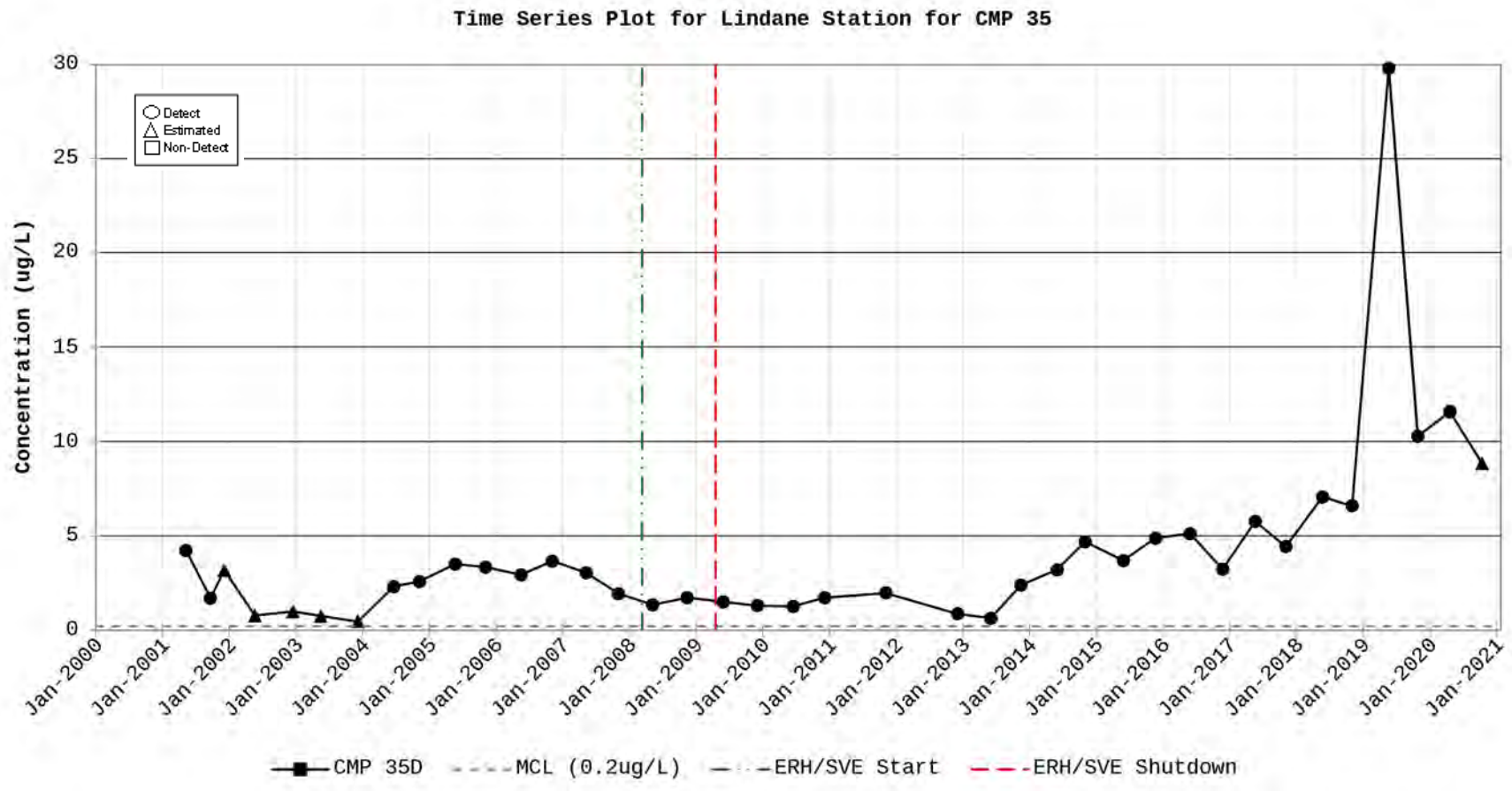

Time Series Plot for Lindane Station for CMB 24
Concentration (ug/L)
3
2.5
2
1.5
1
0.5
0
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMB 24I
MCL (0.2ug/L)
ERH/SVE Start
ERH/SVE Shutdown

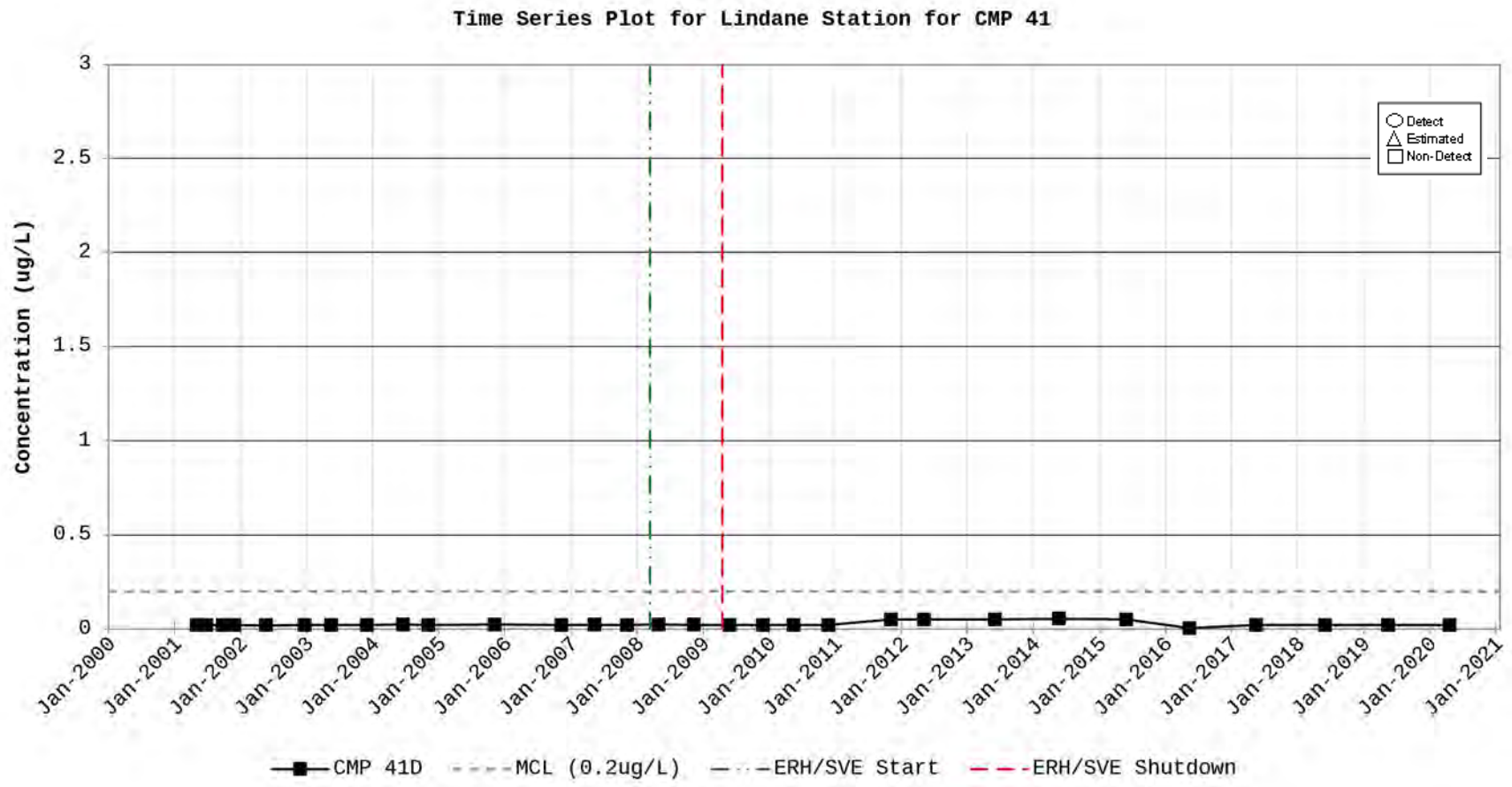

Time Series Plot for Lindane Station for CMP 10
Concentration (ug/L)
3
2.5
2
1.5
1
0.5
0
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Detect
Estimated
Non-Detect
CMP 10D
CMP 10C
CMP 10B
CMP010A
MCL (0.2ug/L)
ERH/SVE Start
ERH/SVE Shutdown

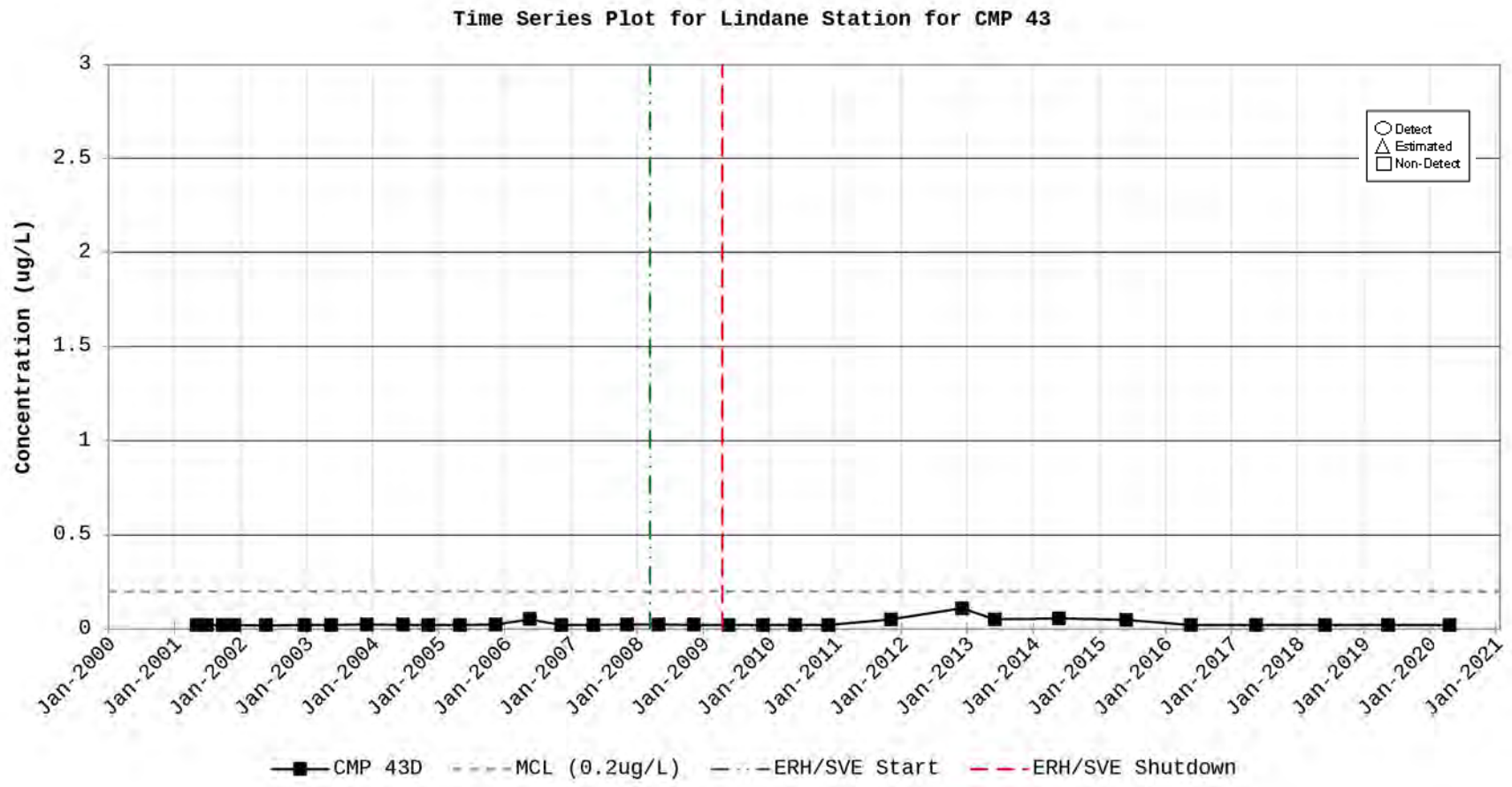

Time Series Plot for Lindane Station for CMP 11
Concentration (ug/L)
3
2.5
2
1.5
1
0.5
0
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 11D
CMP 11B
MCL (0.2ug/L)
ERH/SVE Start
ERH/SVE Shutdown

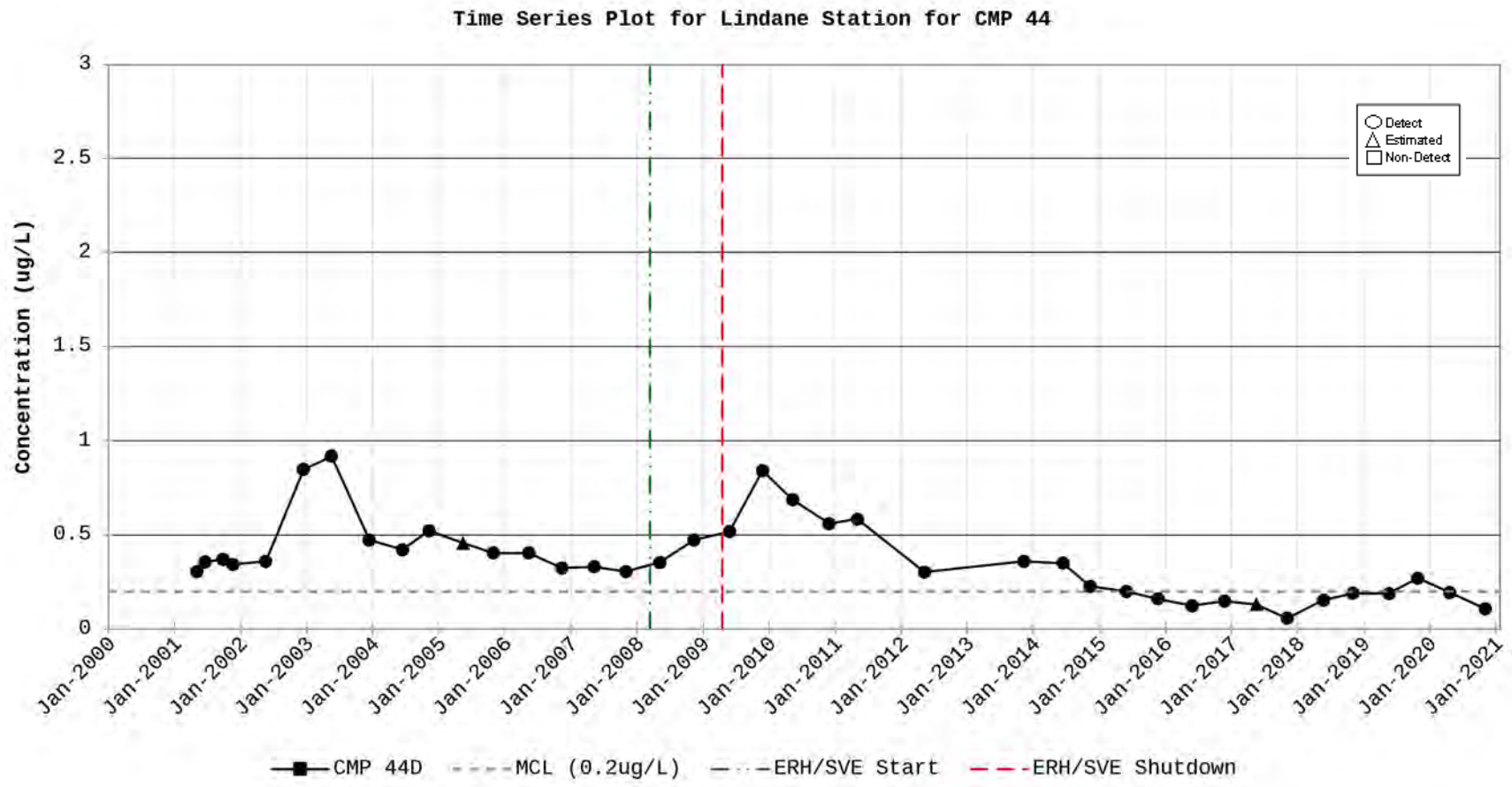

Time Series Plot for Lindane Station for CMP 13
Concentration (ug/L)
3
2.5
2
1.5
1
0.5
0
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Detect
Estimated
Non-Detect
CMP 13D
MCL (0.2ug/L)
ERH/SVE Start
ERH/SVE Shutdown

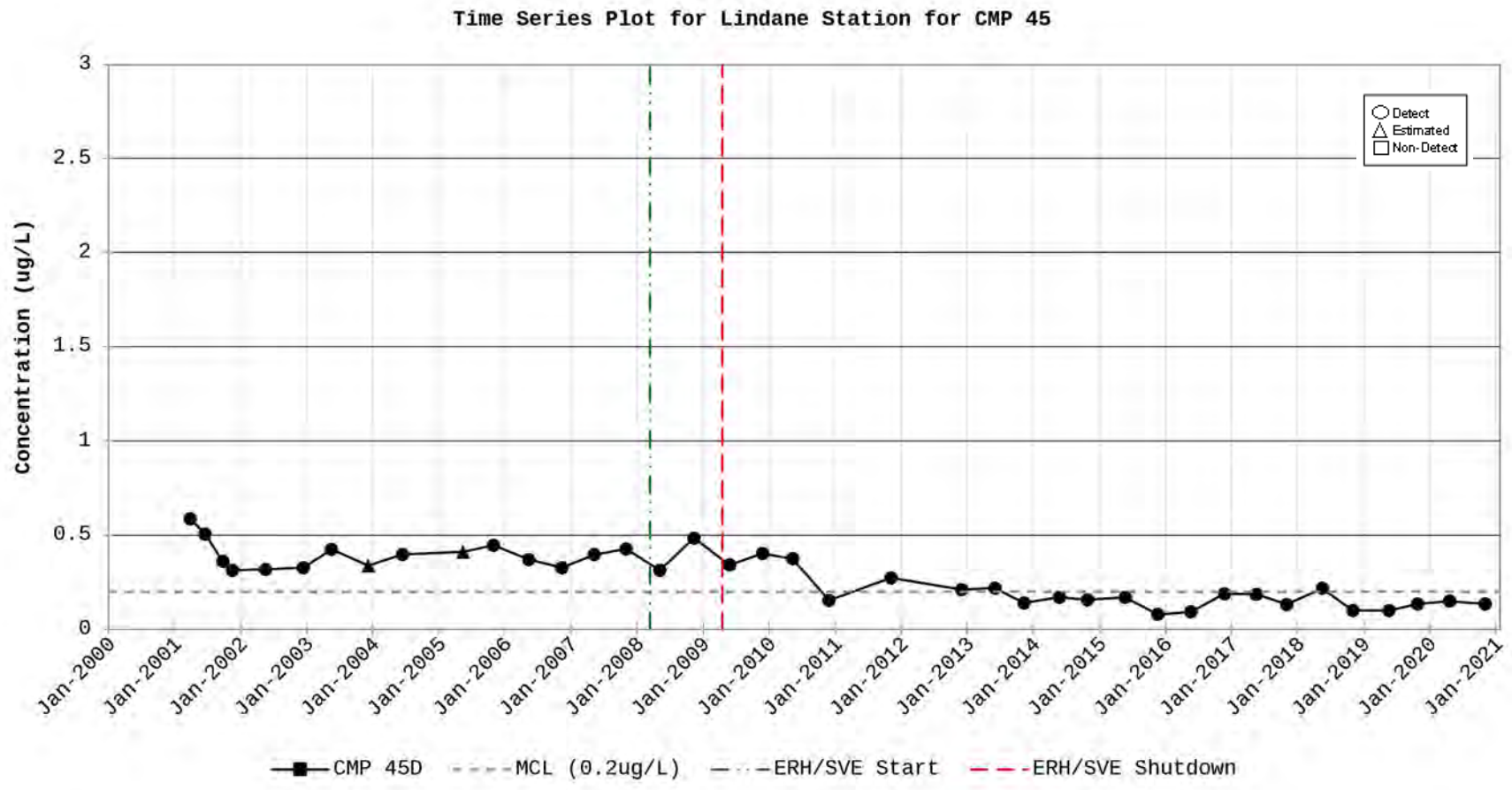

Time Series Plot for Lindane Station for CMP 34
Concentration (ug/L)
3
2.5
2
1.5
1
0.5
0
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 34D
MCL (0.2ug/L)
ERH/SVE Start
ERH/SVE Shutdown

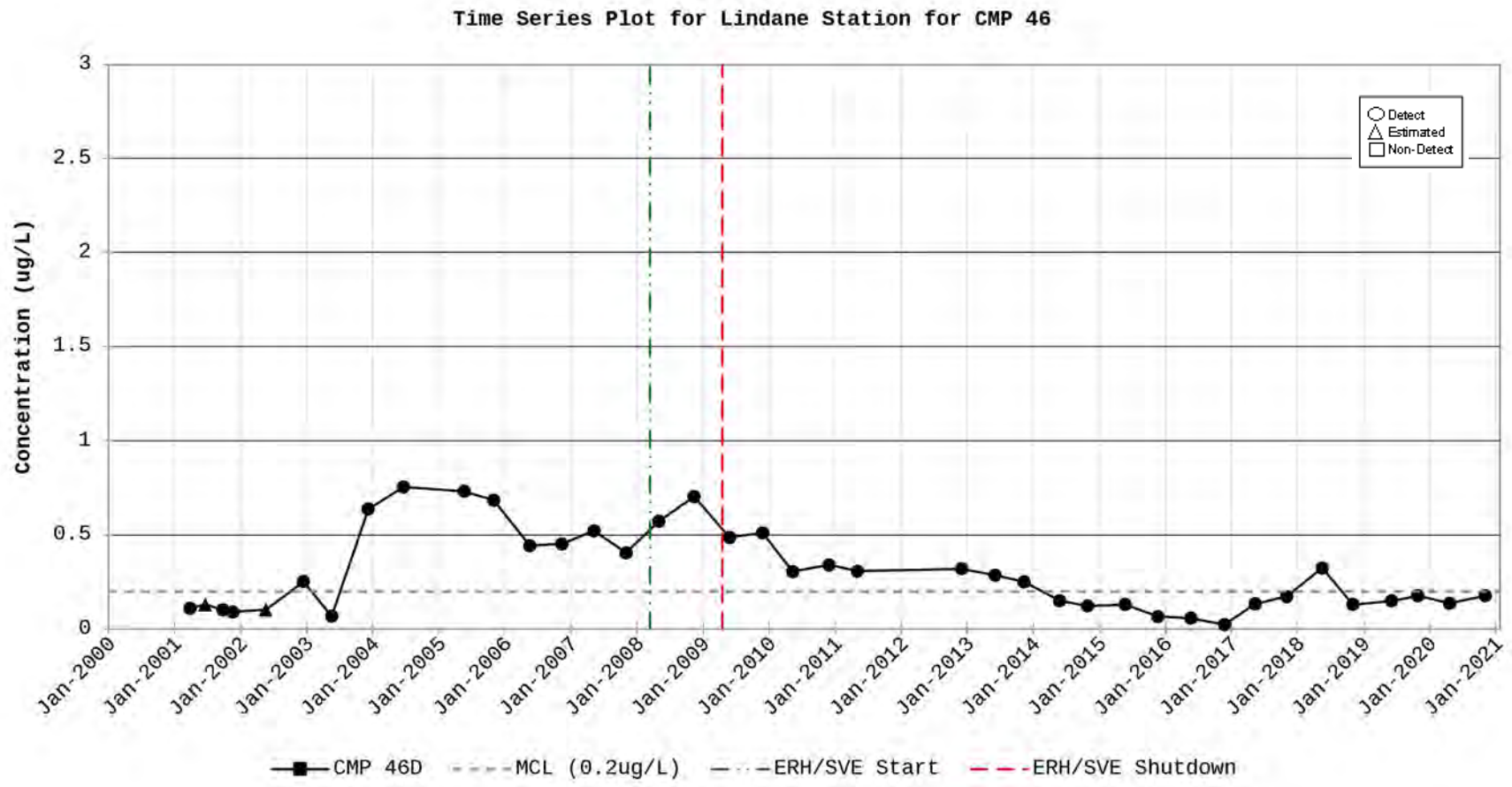

Time Series Plot for Lindane Station for CMP 35
Concentration (ug/L)
30
25
20
15
10
5
0
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 35D
MCL (0.2ug/L)
ERH/SVE Start
ERH/SVE Shutdown

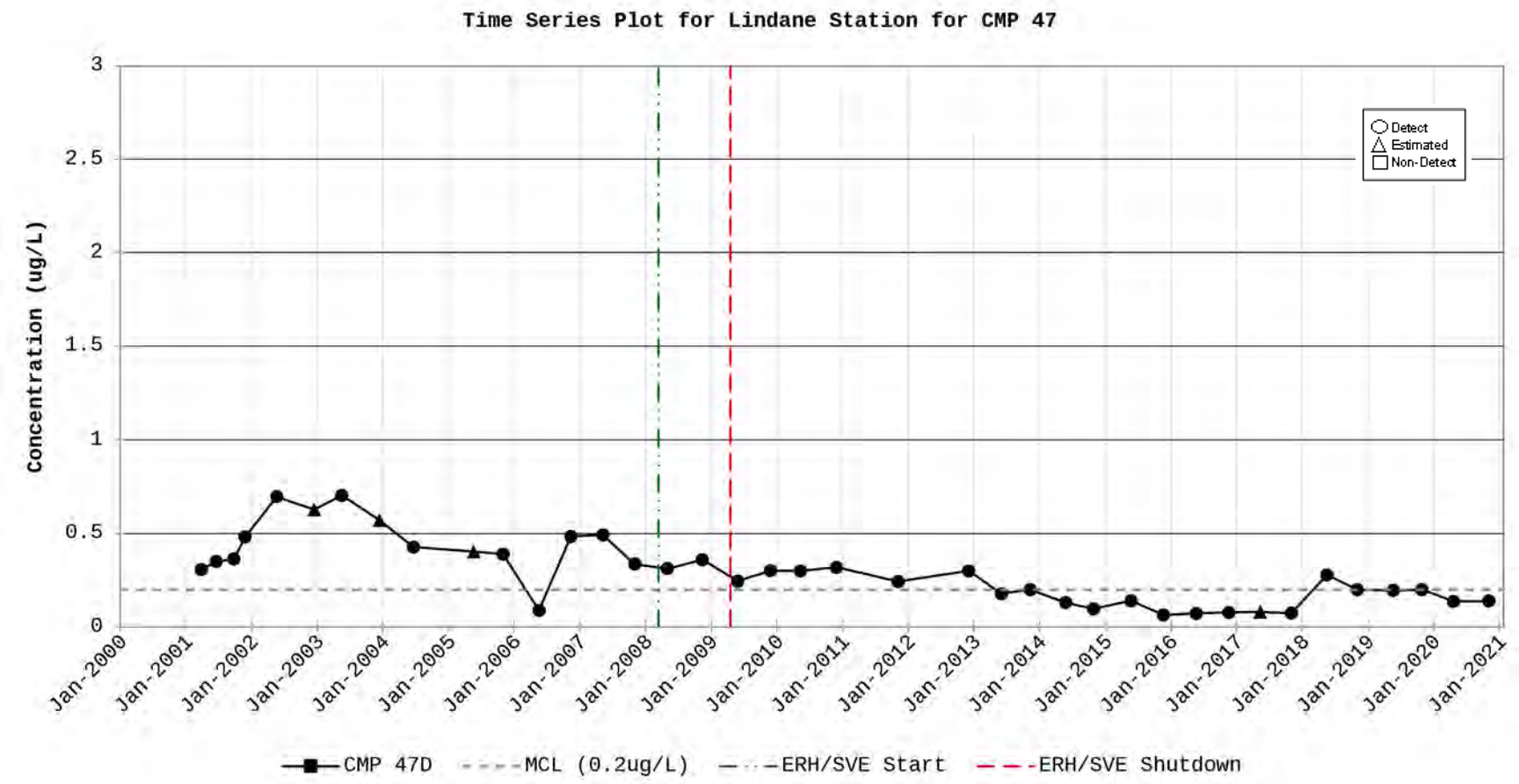

Time Series Plot for Lindane Station for CMP 41
Concentration (ug/L)
3
2.5
2
1.5
1
0.5
0
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 41D
MCL (0.2ug/L)
ERH/SVE Start
ERH/SVE Shutdown

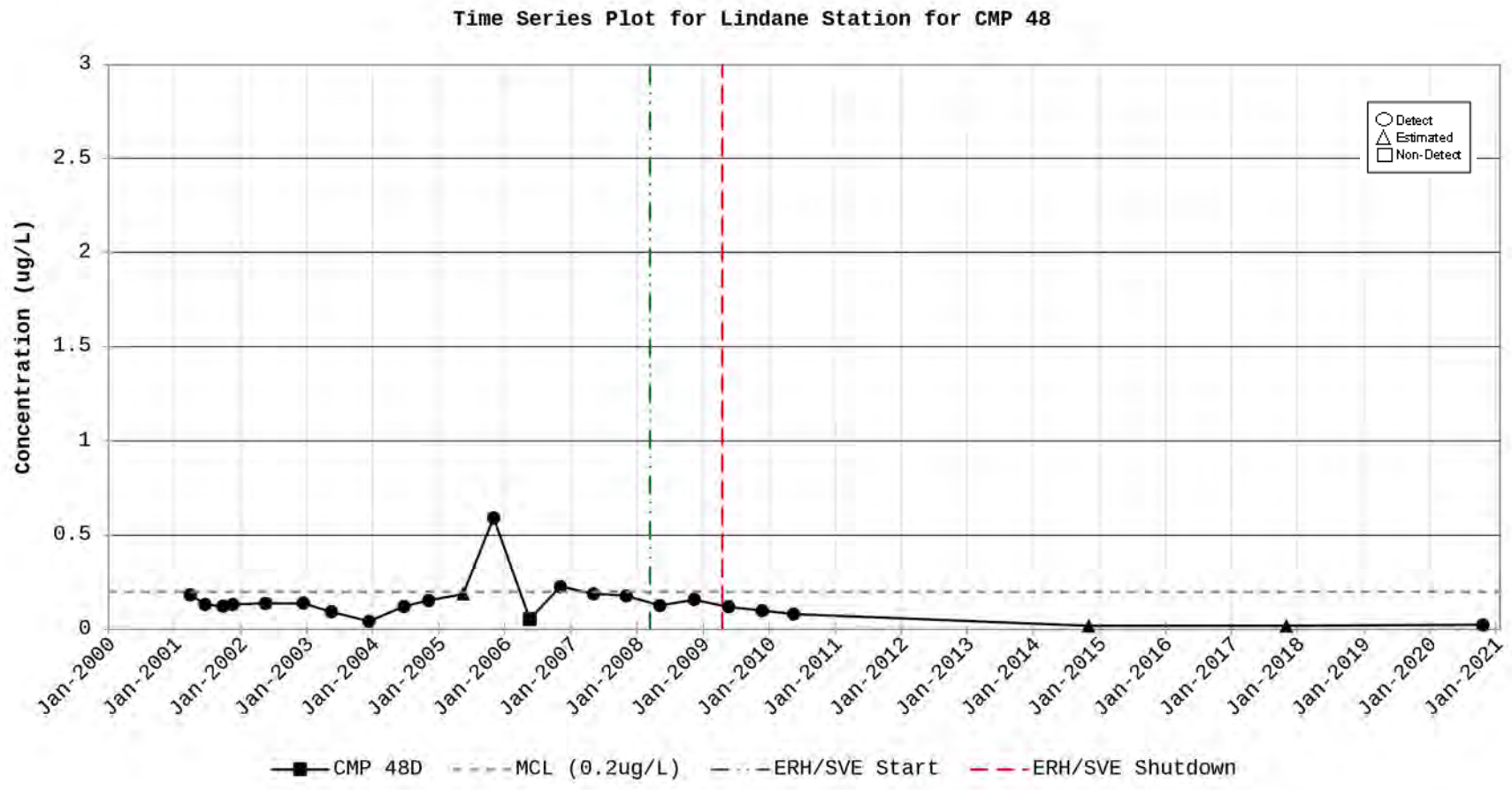

Time Series Plot for Lindane Station for CMP 43
Concentration (ug/L)
3
2.5
2
1.5
1
0.5
0
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 43D
MCL (0.2ug/L)
ERH/SVE Start
ERH/SVE Shutdown

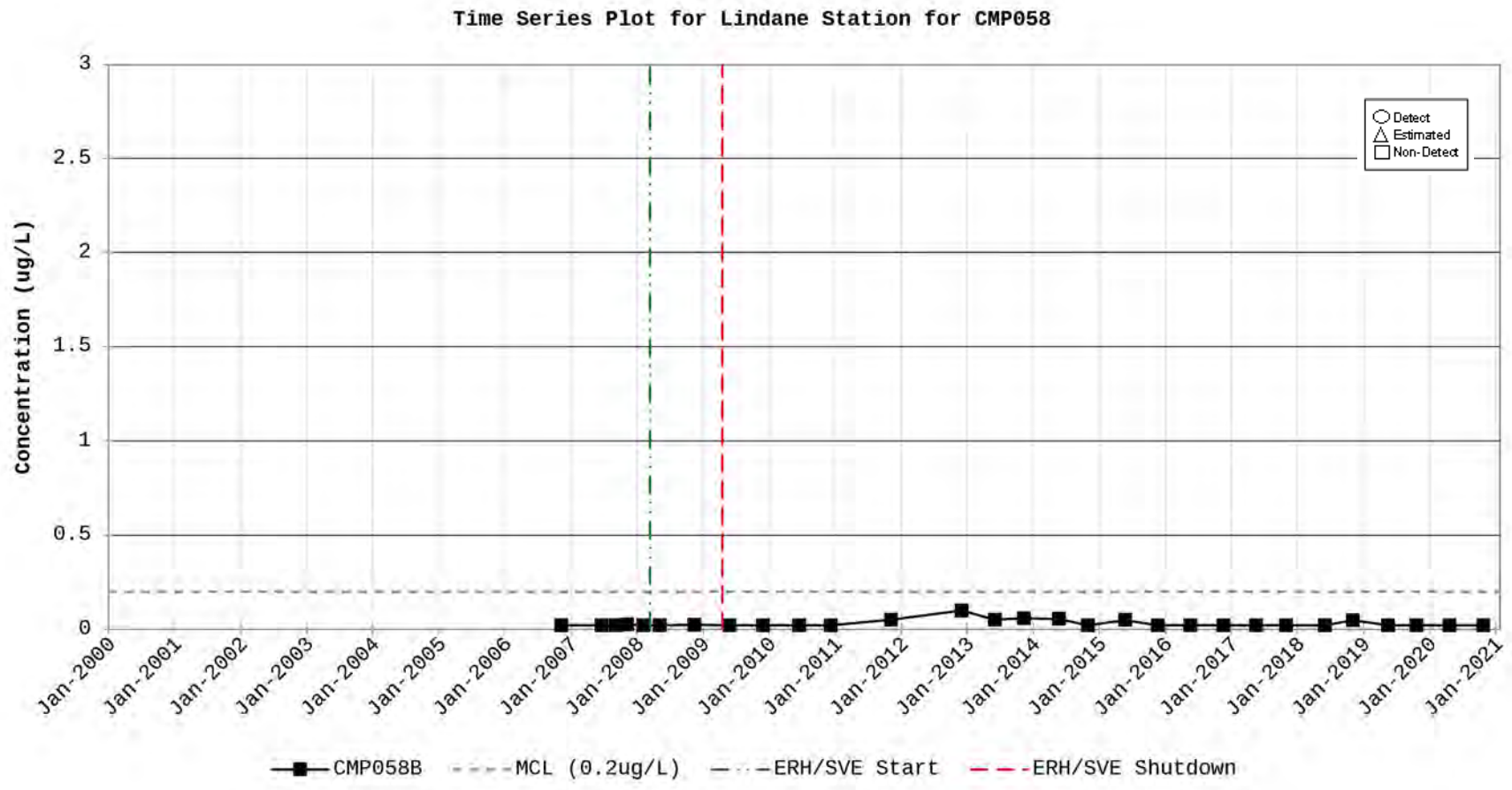

Time Series Plot for Lindane Station for CMP 44
Concentration (ug/L)
3
2.5
2
1.5
1
0.5
0
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 44D
MCL (0.2ug/L)
ERH/SVE Start
ERH/SVE Shutdown

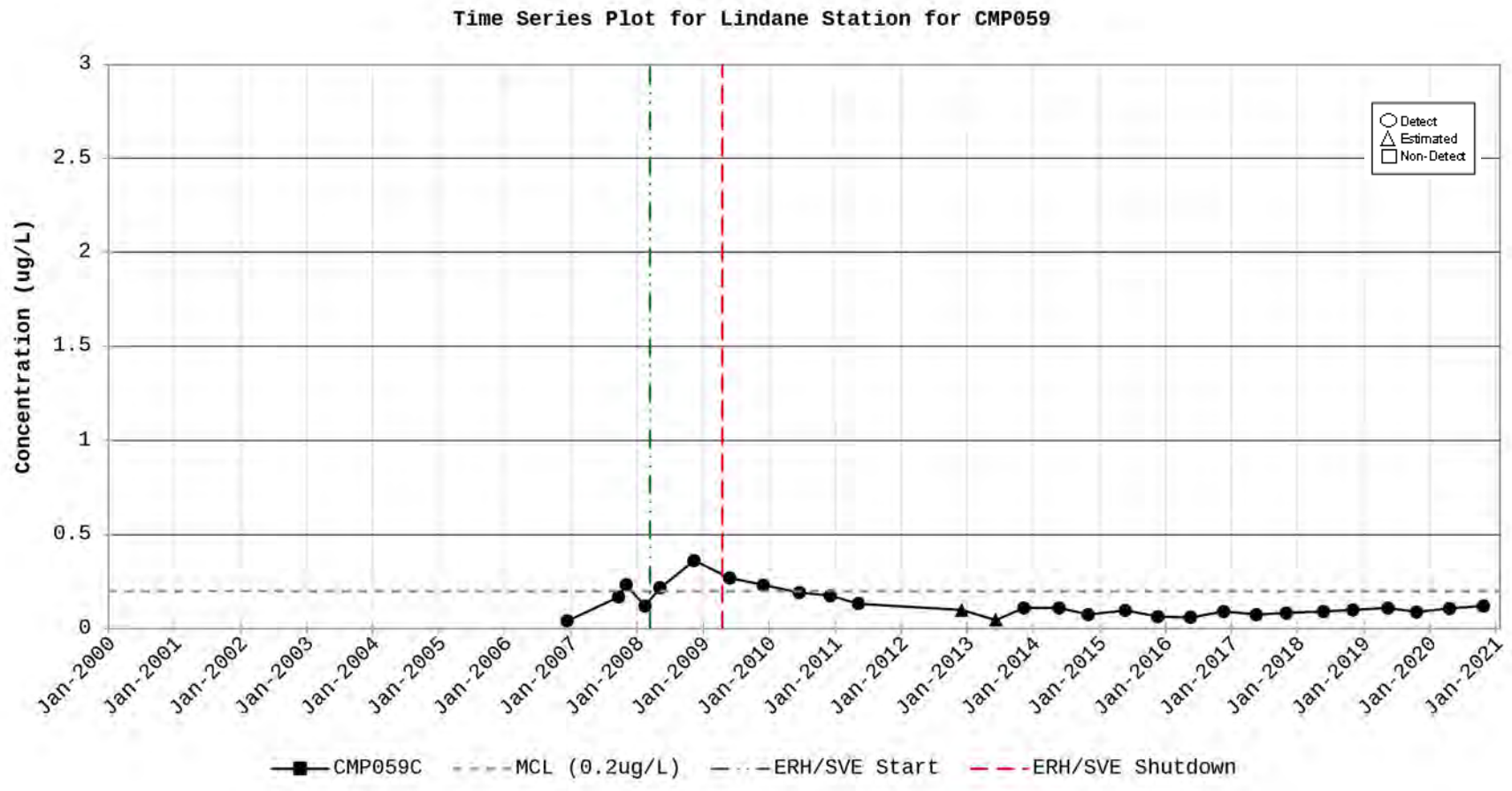

Time Series Plot for Lindane Station for CMP 45
Concentration (ug/L)
3
2.5
2
1.5
1
0.5
0
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 45D
MCL (0.2ug/L)
ERH/SVE Start
ERH/SVE Shutdown

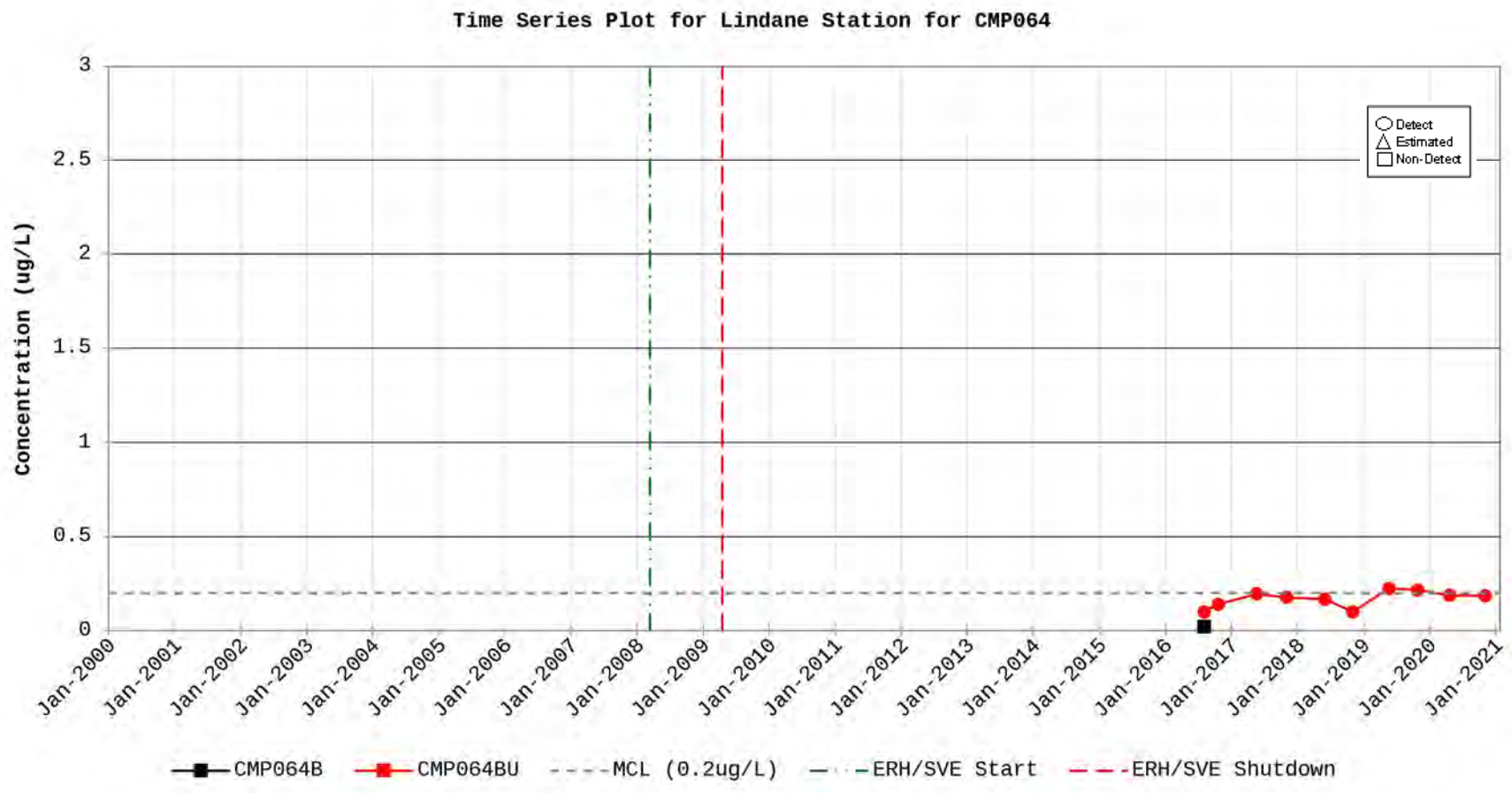

Time Series Plot for Lindane Station for CMP 46
Concentration (ug/L)
3
2.5
2
1.5
1
0.5
0
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 46D
MCL (0.2ug/L)
ERH/SVE Start
ERH/SVE Shutdown

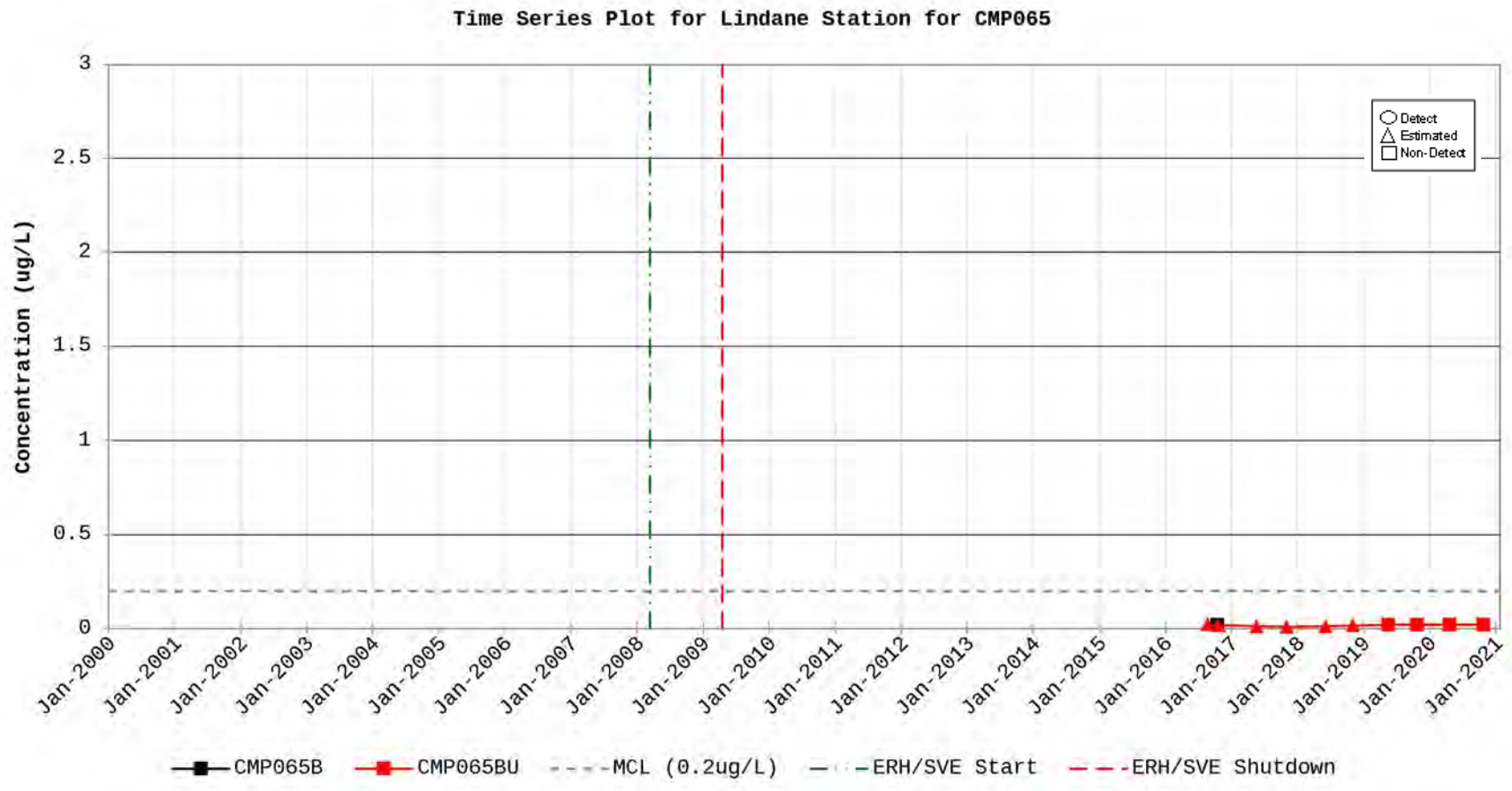

Time Series Plot for Lindane Station for CMP 47
Concentration (ug/L)
3
2.5
2
1.5
1
0.5
0
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Detect
Estimated
Non-Detect
CMP 47D
MCL (0.2ug/L)
ERH/SVE Start
ERH/SVE Shutdown


Time Series Plot for Lindane Station for CMP 48
Concentration (ug/L)
3
2.5
2
1.5
1
0.5
0
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP 48D
MCL (0.2ug/L)
ERH/SVE Start
ERH/SVE Shutdown


Time Series Plot for Lindane Station for CMP058
Concentration (ug/L)
3
2.5
2
1.5
1
0.5
0
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP058B
MCL (0.2ug/L)
ERH/SVE Start
ERH/SVE Shutdown


Time Series Plot for Lindane Station for CMP059
Concentration (ug/L)
3
2.5
2
1.5
1
0.5
0
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP059C
MCL (0.2ug/L)
ERH/SVE Start
ERH/SVE Shutdown


Time Series Plot for Lindane Station for CMP064
Concentration (ug/L)
3
2.5
2
1.5
1
0.5
0
Detect
Estimated
Non-Detect
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
CMP064B
CMP064BU
MCL (0.2ug/L)
ERH/SVE Start
ERH/SVE Shutdown


Time Series Plot for Lindane Station for CMP065
Concentration (ug/L)
3
2.5
2
1.5
1
0.5
0
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Detect
Estimated
Non-Detect
CMP065B
CMP065BU
MCL (0.2ug/L)
ERH/SVE Start
ERH/SVE Shutdown

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