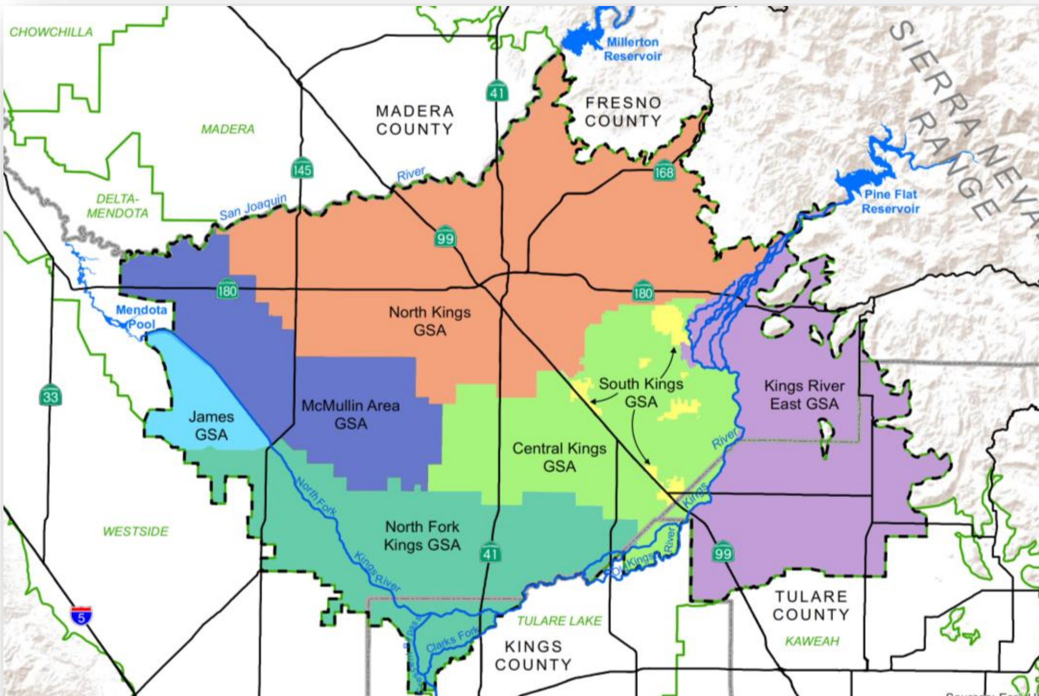
Kings Subbasin
Groundwater Sustainability Agencies



Groundwater Sustainability Annual Report
Water Year 2022

April 2023

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Abbreviations

AF ..... Acre-Foot
AF/YR ..... Acre-Foot Per Year
Coalition ..... Kings River Water Quality Coalition
CVDRMP ..... Central Valley Dairy Representative Monitoring Program
CVP ..... Central Valley Project
DWR ..... Department of Water Resources
EDT ..... Electronic Data Transfer
ET ..... Evapotranspiration
FID ..... Fresno Irrigation District
GAMA ..... Groundwater Ambient Monitoring and Assessment
GSA ..... Groundwater Sustainability Agency
GSP ..... Groundwater Sustainability Plan
ILRP ..... Irrigated Lands Regulatory Program
JID ..... James Irrigation District
KRCD ..... Kings River Conservation District
KRWQC ..... Kings River Water Quality Coalition
NGS ..... National Geodetic Survey
SGMA ..... Sustainable Groundwater Management Act

Executive Summary

This is the annual report prepared for the Kings Subbasin (or Basin) for Water Year 2022. The Kings Subbasin has seven Groundwater Sustainability Agencies (GSAs) (see **Figure 1-1**), all of whom prepared and submitted individual Groundwater Sustainability Plans (GSPs). The seven GSAs have worked cooperatively since 2016 to coordinate the development of their GSPs and have jointly prepared this single annual report for the entire Kings Subbasin.

This report has been prepared in accordance with the requirements for annual reports as identified in the GSP Regulations (i.e., California Code of Regulations section on Groundwater Sustainability Plans, § 356.2. Annual Reports). Included in the body of the report are the regulation requirements. The outline of this report is similar to the structure headings used in the common outline used for each of the GSPs within the basin. The following is a short listing of what is included in each of the sections:

- Section 1 Introduction – A brief introduction of the intent and purpose of this report.
- Section 2 Land Use – A description of recent available land use data used in the report for the estimation of groundwater pumping.
- Section 3 Groundwater Pumping – An estimation of the GW pumping within the basin and a description of how the estimation was calculated.
- Section 4 Sustainable Management Criteria – A update as to the status of each of the Sustainability Indicators applicable to the basin, including groundwater levels (hydrographs and contours), estimation of groundwater storage change, groundwater quality data, land subsidence and surface to groundwater interconnection.
- Section 5 Monitoring Network – A description of any changes or problems with the monitoring network.
- Section 6 – An update of project and management actions undertaken during the reporting period.

The period covered by this report is October 1, 2021 through September 30, 2022, however there are portions of the report that cover from 2015 to 2022.

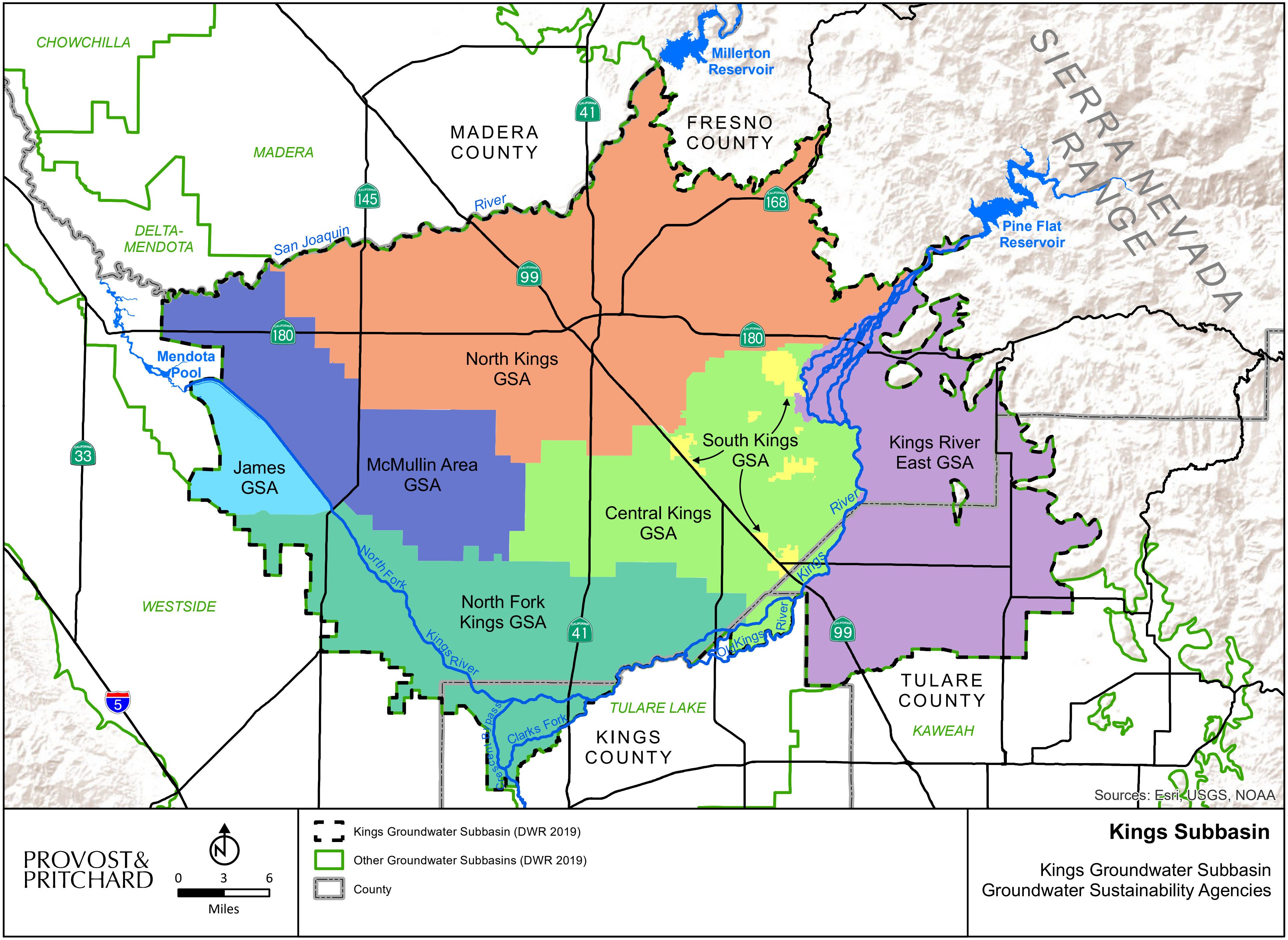
1 Introduction

356.2(a) General information, including an executive summary and a location map depicting the basin covered by the report.

The Sustainable Groundwater Management Act (SGMA) requires groundwater sustainability agencies (GSAs) to submit annual reports to DWR by April 1 each year following adoption of a groundwater sustainability plan (GSP). This is the annual report prepared for the Kings Subbasin for Water Year 2022. The Kings Subbasin has seven Groundwater Sustainability Agencies (GSAs) (see **Figure 1-1**), all of whom prepared and submitted individual Groundwater Sustainability Plans (GSPs). The seven GSAs have worked cooperatively since 2016 to coordinate the development of their GSPs and have jointly prepared this single annual report for the entire Kings Subbasin.

This report has been prepared in accordance with the requirements for annual reports as identified in the GSP Regulations (i.e., California Code of Regulations section on Groundwater Sustainability Plans, § 356.2. Annual Reports). GSP annual reports provide information on groundwater conditions and implementation of the plan for the prior water year. The period covered by this report is October 1, 2021 through September 30, 2022, however there are portions of the report that cover from 2015 to 2022.

The structure of this annual report is similar to the common heading structure used for all of the GSPs in the basin. For additional clarification or information on the basin plan area or conditions, please refer to the GSPs. As acknowledged by the Department of Water Resources, it is important to note that there are still some data gaps and missing information as the GSAs continue to gather information for improved analysis and decision making.



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2 Land Use and Surface Water Supplies

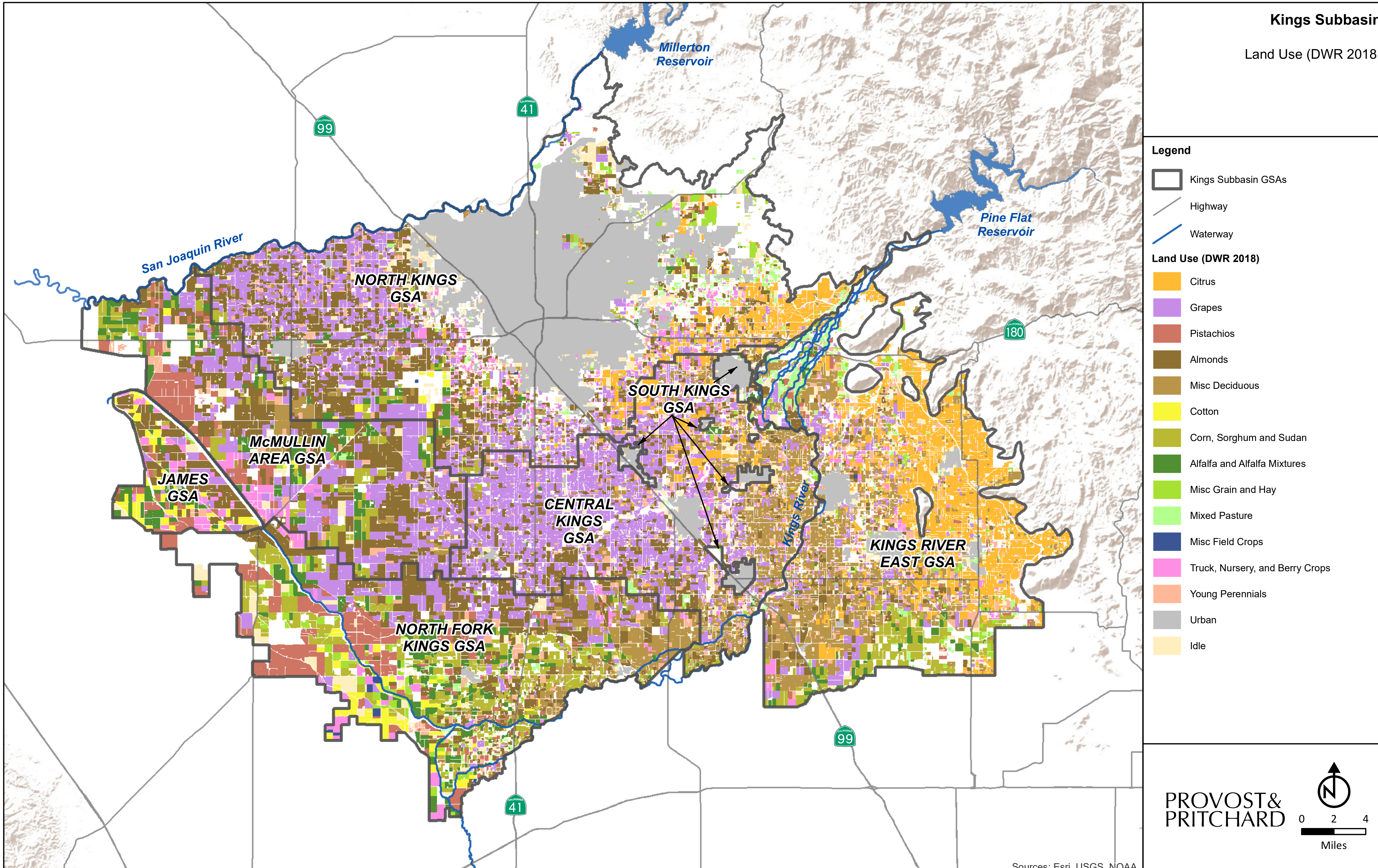
> 356.2(b) (3) Surface water supply used or available for use, for groundwater recharge or in-lieu use shall be reported based on quantitative data that describes the annual volume and sources for the preceding water year.

2.1 Overview of Surface Water Supplies in Kings Basin

Surface water in the Kings Basin comes from several sources, including the Kings River and San Joaquin River, with smaller amounts imported from other areas. In general, the Kings River provides about 85% of the surface water used in the Kings Basin. Central Valley Project water from the Friant Unit comprises about 10% of surface water use. The remaining surface water includes South of Delta CVP water, San Joaquin River Settlement water, and riparian diversions from the Kings and San Joaquin Rivers.

2.2 Recent Land Use Data

Historically, DWR Land Use Maps have been utilized for land use data in the Kings Basin. These maps were used in developing all the Groundwater Sustainability Plans in the Subbasin, and for consistency, were also used in estimating water demands for this report. The most recent publicly available DWR land use mapping was prepared in 2018. This is considered the best available information for 2022. **Figure 2-1** is the DWR Land Use Map for 2018.



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Crop water demands for agricultural areas were calculated based on the land use map, estimated evapo-transpiration rates, and effective precipitation estimates. For consistency with the water budgets prepared for the GSPs, evapotranspiration was based on DWR values published in DWR Bulletin 160 (DWR, 2019) for 1998-2011, with reference ETo adjusted for 2022 based on the California Irrigation Management Information System (CIMIS) station at Parlier. Effective precipitation was based on an empirical formula from DWR (1989). Annual precipitation contours were generated from several local weather stations, and the monthly distribution throughout the Basin was assumed to be similar to the long-term monthly distribution at the Fresno Airport Weather Bureau station. The past two water years years (2021 and 2022) have been very dry resulting in lower-than-average effective precipitation and higher than average crop evapotranspirations rates.

The 2018 DWR Land Use Map was compared to the 2016 DWR Land Use maps for consistency and changes in land use. In general, the total irrigated area has changed little since 2016, although there was a slight increase in some GSAs. In addition, the mix of cropping did change in all of the GSAs. Specifically, the area of grains, hay, alfalfa, and young perennials decreased, while the area of almonds, pistachios and citrus increased. Unit evapotranspiration rates were also higher than previous periods, and effective precipitation was very low due to the low overall precipitation. This resulted in higher crop water demands than previous years and higher groundwater pumping because of reduced surface water supplies.

2.3 Description of Hydrology for Period

Table 2-1 shows the hydrologic year type for water years 2015 to 2022 based on an index created for the Kings Groundwater Subbasin. The water year types were defined based on percentage of average long-term Kings River diversions to the Kings Subbasin from 1955-2022. The water year types include: Dry (<75%), Normal (75%-125%) and Wet (>125%). This index is used since Kings River water provides the majority of surface water in the Kings Groundwater Subbasin and is considered a good overall indication of wetness and correlates with the amount of groundwater required to be pumped. Several years prior to 2022 are shown since they influence antecedent conditions, including groundwater levels, soil moisture content and surface water storage. Water year 2020 barely met the normal criteria following the wet 2019 year, but was followed by two very dry years in 2021 and 2022. Water years 2017-2019 were overall wetter than average but were preceded by an extremely dry period. Overall, the last eight years were on average 19% drier than average conditions. This period also includes extreme dry and extreme wet years, which is reflective of the variability of Kings River water supply.

Table 2-1 – Kings Subbasin Water Year Type (2015-2022)

Water Year	% Historical Diversions	Water Year Type
2015	20%	Dry
2016	75%	Normal
2017	158%	Wet
2018	100%	Normal
2019	151%	Wet
2020	75%	Normal
2021	23%	Dry
2022	**47%**	**Dry**
Average	81%	Normal

Notes:
1 - Water Year includes October of previous year to September of current year.
2 - Values rounded to nearest whole number.
3 - Water Year Type based on Kings River diversions since they provide the majority of the surface water to the Subbasin

2.4 Surface Water Deliveries

Table 2-2 summarizes the surface water sources and surface water volumes used in the Kings Basin in water year 2022.

Table 2-2 – Kings Subbasin Surface Water Deliveries (WY2022)

Source	Volume (AF)
Kings River	529,000
Other	102,000
Total	631,000

Notes:
1 – 'Other' Water Sources include Friant CVP water, South of Delta CVP water, Schedule 2 San Joaquin River Settlement water, riparian diversions from the Kings River and San Joaquin River, recycled water, and other surface water supplies.
2 - Values rounded to nearest 1,000 AF, values may differ due to rounding errors

Table 2-3 summarizes surface water volumes utilized for direct use or managed recharge.

Table 2-3 – Kings Subbasin Surface Water Use (WY2022)

Water Use	Volume (AF)
Direct Use	631,000
Managed Recharge	60,000
Total	691,000

Notes:
1 – Direct use includes urban and agricultural use
2 – Managed Recharge only includes intentional recharge. Other sources of groundwater recharge including canal seepage, pipeline leakage and wastewater effluent recharge occur in the Subbasin but are not included in the value above, because they do not fall under DWR's definition of Managed Recharge.
3 – Values rounded to the nearest 1,000 AF, values may differ due to rounding errors

Accuracy

Accuracies of measured and estimated surface water supplies are based on confidence intervals for water budgets developed by Cal Poly Irrigation Training and Research Center (1999). Surface water diversions for agricultural and urban uses are measured with flumes or weirs with accuracies of about +/-5%. Surface water for intentional recharge is based on deliveries to recharge basins. Some recharge basins are metered with accuracy estimated at +/-5%. Some recharge deliveries were not metered and were estimated based on deliveries to metered basins or observations by field staff, with overall accuracies estimated at +/- 25%. Overall, intentional recharge deliveries have an estimated accuracy of +/-15%.

More detailed surface water data is provided in **Appendix A,** including the DWR Surface Water Supply table.

3 Groundwater Pumping

> 356.2(b) (2) Groundwater extraction for the preceding water year. Data shall be collected using the best available measurement methods and shall be presented in a table that summarizes groundwater extractions by water use sector, and identifies the method of measurement (direct or estimate) and accuracy of measurements, and a map that illustrates the general location and volume of groundwater extractions.

Following are discussions on the types of groundwater pumping in the Kings Groundwater Basin, including the pumping volumes, source of the information, measurement method and level of accuracy.

3.1 Urban Groundwater Use

Urban groundwater use includes pumping for cities and other municipalities, collectively called Municipal and Industrial (M&I) use, and rural domestic pumping. M&I groundwater pumping is metered and recorded with accuracies of +/- 5%.

Rural domestic groundwater pumping is not measured and was estimated based on census data in rural areas, and an assumed 0.5 AF/capita/year based on typical indoor water usage and landscaped areas in the region. These estimates have an accuracy of +/-20% and only comprises a small portion of the total urban demands. This was the same method used in the GSPs prepared for the Kings Basin.

3.2 Irrigation Groundwater Use

Groundwater is used extensively for crop irrigation throughout the Kings Basin. In James GSA, there are no private irrigation wells, and all irrigation groundwater is pumped by wells owned and operated by James Irrigation District (JID). JID also owns and operates some wells in McMullin Area GSA that deliver groundwater to the JID system. The JID wells are all metered with measurement accuracy of +/-5%.

Irrigation groundwater in the other GSAs is pumped from private wells that are not metered. Pumping from these wells was estimated through a water budget approach, which has an estimated accuracy of +/- 15%. This is also called the 'Land Use' method, since it is based largely on the water demands of the land use. Following are discussion on how this method was employed.

In a simple situation, groundwater pumping = crop applied water demands – surface water deliveries. However, in many areas surface water deliveries to growers differ from headgate diversions due to system losses and deliveries for intentional recharge. In these situations, irrigation groundwater pumping is estimated using the following formula:

Private Irrigation Pumping = (Crop evapotranspiration – effective precipitation) / irrigation efficiency – Surface water deliveries to growers

where:

Surface Water Deliveries to Growers = Headgate diversions – System losses – Intentional recharge

and

System Losses = Channel evaporation + Channel seepage + Reservoir evaporation + Reservoir seepage + Operational Spills

As a result, private irrigation pumping was calculated with the following formula:

Private Irrigation Pumping = (Crop evapotranspiration - effective precipitation) / Irrigation efficiency – Headgate diversions + Channel evaporation + Channel seepage + Reservoir evaporation + Reservoir seepage + Operational spills + Intentional recharge

These calculations were performed for each GSA for water year 2022.

No groundwater is pumped for environmental use or other uses not described above.

3.3 Groundwater Pumping Volumes

Table 3-1 summarizes the volumes of estimated groundwater for each measurement method.

Table 3-1 – Groundwater Measurement Methods (WY 2022)

Water Sector	Method	Volume (AF)	Accuracy
Agricultural	Land Use	1,708,000	+/-15%
M&I and Agricultural	Metered	194,000	+/-5%
Rural Domestic	Estimated	42,000	+/-20%
-	Total	1,943,000	-

Note: Values rounded to the nearest 1,000 AF, values may differ due to rounding errors

These values are also presented in the DWR Groundwater Extraction Methods table found in **Appendix A**

Table 3-2 summarizes the groundwater pumped by water use sector in water year 2022

Table 3-2 – Groundwater Pumping by Water Use Sector (WY 2022)

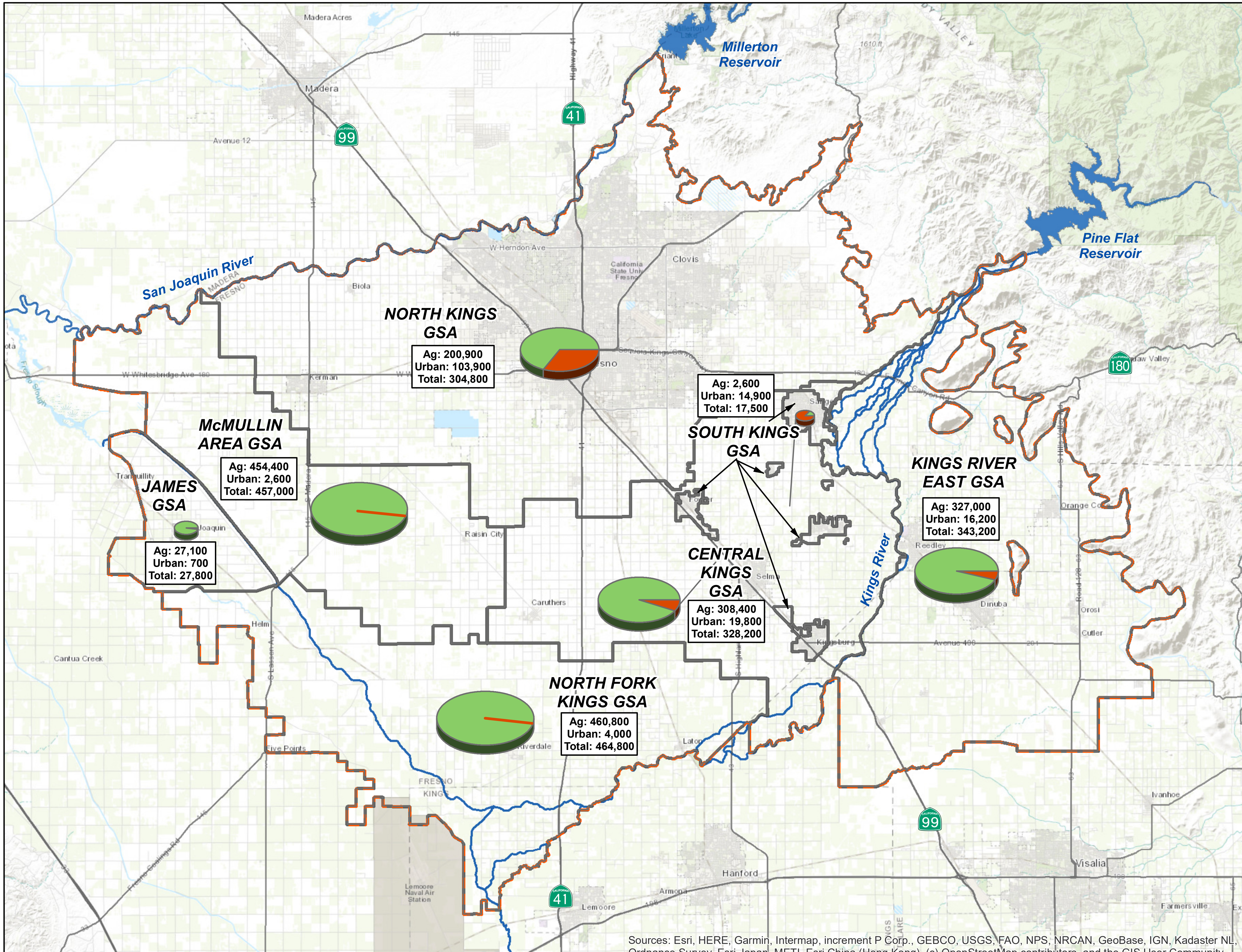
Source	Volume (AF)
Urban[1]	162,000
Agriculture[2]	1,781,000
Total	1,943,000

Notes:
1 – Urban use includes M&I and rural domestic pumping
2 – Agricultural use includes crop irrigation and dairy water use
3 - Values are rounded to the nearest 1,000 AF, values may differ due to rounding errors

These values are also presented in the DWR Groundwater Extractions table found in **Appendix A**.

3.4 Geographic Distribution of Groundwater Pumping

Figure 3-1 shows estimated groundwater pumping (agricultural and urban) for each of the seven GSAs.



Kings Subbasin Coordinated Effort

Groundwater Extraction by GSA
Water Year 2022
(Acre-Feet)

Kings Subbasin GSAs

Kings Subbasin

Pumping By Water Use Sector (AF)*

Agriculture

Urban

**Volumes rounded to the nearest 100 AF*

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3.5 Total Water Use

> 356.2(b) (4) Total water use shall be collected using the best available measurement methods and shall be reported in a table that summarizes total water use by water use sector, water source type, and identifies the method of measurement (direct or estimate) and accuracy of measurements. Existing water use data from the most recent Urban Water Management Plans or Agricultural Water Management Plans within the basin may be used, as long as the data are reported by water year.

Table 3-3 summarizes total water use by water use type and sector for WY2022

Table 3-3 – Summary of Total Water Use for WY 2022 (AF)

Description	Urban	Agriculture	Total
Groundwater	162,000	1,781,000	1,943,000
Surface Water	111,000	520,000	631,000
Total	273,000	2,301,000	2,574,000

Notes:
1 - Surface water includes contract diversions, riparian diversions and recycled water used for both
recharge and direct use
2 – Values rounded to the nearest 1,000 AF; values may differ slightly from other reported values due to rounding errors

These values are also presented in the DWR Total Water Use table found in **Appendix A**. Refer to discussions in previous sections for information on measurement methods and accuracy.

The data presented in **Table 3-3** is a short snapshot of water conditions, and not necessarily representative of long-term average hydrology. This information was not used to develop a 2022 annual water budget for comparison to change in groundwater storage. An annual water budget would likely not be accurate due to time lags in various forms of recharge, and inaccuracies that tend to balance out over longer time periods. However, this information will eventually be used in a long-term multi-year water budget analysis.

4 Sustainable Management Criteria

4.1 Sustainable Goal

As identified in Section 4.1 of each of the GSPs, the sustainability goal of the Kings Subbasin and each GSA is to ensure that by 2040 the basin is being managed to maintain a reliable water supply for current and future beneficial uses without experiencing undesirable results. This goal will be met by balancing water demand with available water supply to stabilize declining groundwater levels without significantly and unreasonably impacting water quality, land subsidence, or interconnected surface water. The goal of the basin is to correct and end the long-term trend of a declining water table understanding that water levels will fluctuate based on the season, hydrologic cycle, and changing groundwater demands within the basin and its proximity.

4.2 Groundwater Levels

> 356.2(b) (1) (A) Groundwater elevation contour maps for each principal aquifer in the basin illustrating, at a minimum, the seasonal high and seasonal low groundwater conditions.
> 356.2(b) (1) (B) Hydrographs of groundwater elevations and water year type using historical data to the greatest extent available, including from January 1, 2015, to current reporting year.

The Kings Subbasin monitoring network includes hundreds of wells used for developing groundwater contour maps and estimating change in storage. As identified in the GSPs, a subset of these wells includes one hundred and twenty-three (123) indicator wells (Sustainable Management Criteria or SMC) in the Kings Subbasin for which Interim Milestones, Measurable Objectives and Minimum Thresholds have been set (**Figure 4-1**). Originally there were 124 indicator wells in the Subbasin, but two indicator wells were in close proximity to each other; one in MAGSA and one in NKGSA. The number of SMC wells in this Township still exceeds the recommended 2 wells per Township density. As discussed below, the GSAs conducted a well elevation survey in 2022. Interim Milestones, Measurable Objectives, Minimum Thresholds and historic water surface elevations were recalculated for sixteen Indicator wells that had greater than 3 feet of difference between the new ground surface elevation and the old ground surface elevation. These wells are noted in **Appendix B**.

Appendix B contains the groundwater elevation and depth to water data for each indicator well in tabular format for spring and fall for the current and prior years, along with the Interim Milestones, Measurable Objective and Minimum Threshold. The Measurable Objective is the elevation at an Indicator Well that will be stabilized and maintained over time. The GSAs recognize that it will take several years to reach sustainability, so the Interim Milestones have been established at each Indicator Well to more effectively manage the basin during the planning period.

Appendix C contains hydrographs for the indicator wells. These hydrographs show Interim Milestones, Measurable Objectives, Minimum Thresholds and trend lines over the hydrologic base period from 1997 to 2012. Inset maps on the hydrographs show the location of the wells in the respective GSAs. Additional information on the hydrographs includes the well names (local and/or state names as available) and the ground surface elevation.

In general, since 2015, water levels continued to decline at the end of a historic drought and in some cases reaching lowest points recorded in fall 2022. After the wet 2016/2017 winter, groundwater levels generally rose though spring 2017 and continued to increase in some areas through fall of 2017. Some wells continued to have increases in water levels, while some showed declines after the normal 2017/2018 winter. Some rebound occurred in the spring 2019 data in some wells after the wet 2018/2019 winter. From fall 2019 to fall 2020 water levels generally decreased as evidenced by the estimated storage change from fall 2019 to fall 2020. The general trend in declining water levels continued from fall 2020 to fall 2021 and from fall 2021 to fall 2022. The estimated change in storage from fall 2021 to fall 2022 was estimated to be negative but wasn’t as significant as the prior year. As reported in past Annual Reports, Subbasin wide the general trend is decreasing water levels in normal to dry years and increasing water levels in wet years.

To date there is insufficient geographic distribution of data from wells known to be perforated below the Corcoran clay where it is present or from deeper wells east of the Corcoran clay extent to contour the lower aquifer zone or deep groundwater. Several GSAs are finding construction information for deeper wells which adds to the developing inventory of wells known to be perforated below the

Corcoran clay. Data from deep wells will continue to be collected throughout the Subbasin for eventual use in evaluating deep groundwater conditions. The distribution of shallow wells near the Kings River are under review as part of developing a shallow monitoring network along the Kings River to fill data gaps associated with surface water-groundwater interactions. The Subbasin will continue to gather data to better define the groundwater conditions in the confined aquifer and shallow groundwater where the A clay is present, but for now, the unconfined aquifer above the Corcoran clay where it is present and the water table aquifer east of the Corcoran clay extent is contoured.

4.2.1 Water Level Maps/Contours

Water surface elevation contour maps were previously generated for the years 2015 to 2021 and are included in previous Annual Reports. This Annual Report has the spring and fall 2022 water surface elevation contour maps in **Appendix D**. The seasonal high and seasonal low groundwater conditions for the 2022 water year are presented in **Appendix D** as the spring 2022 and fall 2022 groundwater surface elevation contour maps respectively. The tabular water level data from spring and fall seasons from current and prior year are included here in **Appendix B**. It should be noted that the GSAs have made significant improvements in the water level monitoring networks and quality of data being collected and reported, as discussed below.

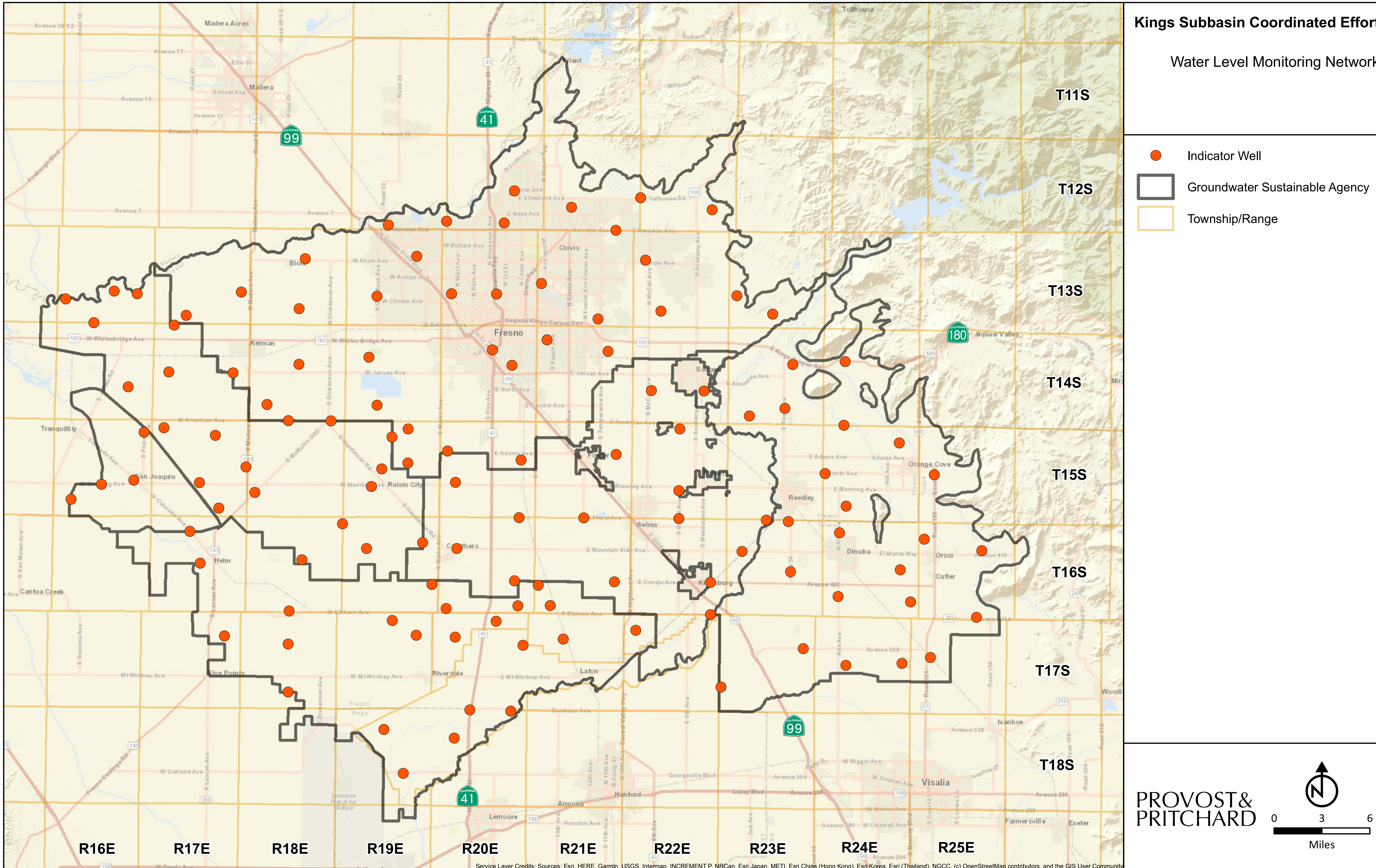
The water surface elevation contours represent the unconfined aquifer above the Corcoran clay and generally above the conceptual base of unconfined groundwater east of the Corcoran clay. In areas of the Subbasin where the shallow A clay is present these contours are meant to represent the portion of the aquifer below it but above the Corcoran clay. Where the C clay is present, the contours are meant to represent the portion of the aquifer between the C clay and the Corcoran clay.

During the 2022 Water Year, the Kings Subbasin GSAs completed the well elevation survey for the wells used in preparation of the Subbasin-wide contours. The well elevation survey was conducted by a licensed land surveyor to improve the consistency of data used throughout the basin, but does cause an adjustment for some of the wells that now have a revised elevation in the dataset. The North Kings GSA filled several data gaps mainly through inclusion of County of Fresno wells and agricultural wells at locations mainly east, south and north of the Cities of Fresno and Clovis. Also of note is that groundwater contours in the City of Fresno are now estimated primarily using City of Fresno nested monitoring wells instead of their supply wells.

The number of wells evaluated within the Kings Subbasin to develop the groundwater surface elevation contours in spring and fall 2022 has increased to over 1,300 wells on average. Additional well data was also evaluated outside of the Kings Subbasin to assist in generating the contour maps but the number of wells with data available outside the Subbasin is variable and not included in the total number.

The process used to generate the contours was similar to what was used by the Subbasin for development of the GSPs. Well locations and groundwater elevations were plotted on the Kings Subbasin maps for the seasons being contoured. Groundwater level elevations that appeared inconsistent with the majority of other wells in an area were typically not used. Wells with significantly different water levels may be perforated in the confined portion of the aquifer, or may be composite wells perforated across clay layers, or may be perforated in shallow groundwater above the A clay where it is present or other local clays. In some locations where a well reading was significantly different than other wells in the immediate vicinity, it was discarded because it was believed that these readings were likely erroneous or anomalous (well pumping nearby, well recently pumped, oil, acoustic sounder reading, not enough steel tape, sounding apparatus fowling on down hole well equipment, etc). Effort is made to use the same wells season to season in the contours so that the storage change estimations, described below, are not unduly affected by the use of data from different wells or data from wells that did not have data in the other season(s). Several areas of note where new, different or more data were used include the City of Fresno monitoring wells, North Fork Kings GSA in and around the Laguna Irrigation District, additional wells in Kings River East GSA and James GSA, and as mentioned above, wells added into North Kings GSA to fill some of the data gaps.

Draft groundwater elevation contours were generated utilizing ArcGIS software and then the contours were reviewed and edited for consistency, and to remove apparently anomalous data. It should be noted that some data was used, even if the data point was new or had not been used in other maps in the period, if the data was reasonably consistent with the contours. This is done so that through time more wells are used in the contouring process to better define the groundwater surface. The Cities of Fresno and Clovis supplied additional data which was not included for fall 2021 so that the water surface elevation contours and storage change calculations were consistent with past fall seasons. These data are now incorporated as appropriate. Survey of well elevations in the Subbasin was in process when the Water Year 2021 Annual Report was prepared and was completed during the 2022 Water Year and used for preparation of this Annual Report. Wells used in the water surface elevations contours, along with the assigned well measuring point elevation and the measured depths to water were processed to generate depth to water surfaces. These depth to water surfaces were used in the storage change estimation as discussed below.



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4.3 Groundwater Storage

356.2(b) (5) (A) Change in groundwater in storage maps for each principal aquifer in the basin. 356.2(b) (5) (B) A graph depicting water year type, groundwater use, the annual change in groundwater in storage, and the cumulative change in groundwater in storage for the basin based on historical data to the greatest extent available, including from January 1, 2015, to the current reporting year.

Technical Memorandum 2 in the Kings Subbasin GSPs identifies the current specific yield values used in storage change calculations for the Kings Subbasin. The relative change in groundwater storage per specific yield unit are illustrated on **Figure 4-2**. Specific yield values vary by location and depth and Technical Memorandum 2 describes specific yield at depth intervals from 10'-50', 50'-100', 100'-200' and 200'-300', and below 300 feet. Storage change was estimated based on estimated changes in storage above 400' below the ground surface. Starting in fall 2015 storage change estimations were made from fall to fall to better temporally align with the October 1 to September 30 water year period (**Figure 4-3**). It should be noted that previous storage change estimates, prior to fall 2015, were prepared based on changes from spring to spring.

The process for estimating the groundwater storage change from fall 2021 to fall 2022 was the same process utilized by the GSAs in the Subbasin in preparation of their GSPs and previous annual reports and included the following steps:

1. The final wells selected from the water surface elevation review and contouring process were used to create depth to water surfaces, as described above.
2. Using the depth to water surfaces, the average depth to water value was determined for each unique specific yield unit. The average depth to water was determined using ArcGIS Spatial Analyst.
3. For each specific yield unit, the average depth to water of that area was used to determine the height of water above 400 feet for each depth zone.
4. The height of water in each depth zone was multiplied by the specific yield for that depth zone and then by the total acreage within that Specific Yield unit.
5. Values for each depth zone were added to determine total volume in storage above 400 feet.
6. The groundwater in storage volume by specific yield units were totaled by GSA to estimate the GSA total for that year.
7. Steps 1 through 6 were repeated for the ending year being considered.
8. The total volume in storage estimated for the starting year was subtracted from the total volume estimated for the ending year to determine the total change in volume between the two years.

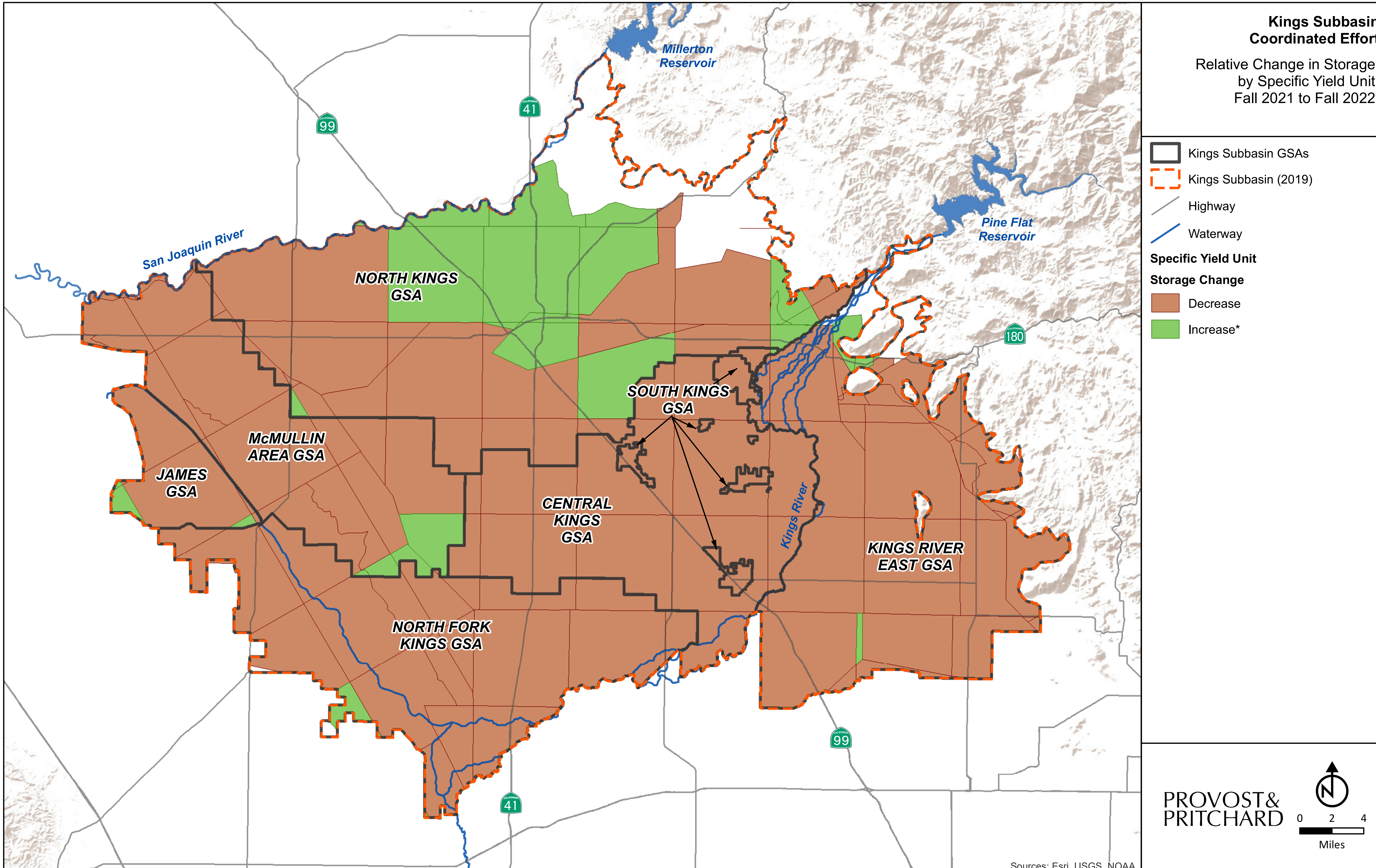
Figure 4-2 shows the Subbasin specific yield units and which specific yield units had estimated increasing or decreasing storage change from fall 2021 to fall 2022. Several areas showed increases in storage. Based on the increased use of surface water in the City of Fresno and Clovis, and the attendant reduction in groundwater pumpage, increases in storage in these areas seems reasonable. Other areas which showed apparent increases in storage are thought to be inconsistent with the decreases in nearby specific yield units and are under review.

There is some inconsistent well data in certain areas that affects year to year estimations of storage change. The GSAs have and will continue to work to improve the reliability of data within the basin. For example, identification of composite wells and wells perforated, or partially perforated, below the

Corcoran clay continue to be identified which is a continuation of an effort reported on in the 2021 Water Year Annual Report. Data from wells with deep, sub-Corcoran perforations, or shallow perforations above the A and C clays (or in a few cases both) were not considered when preparing the unconfined groundwater maps shown in **Appendix D**. **Table 4-1** below shows the estimates of storage change year by year from fall 2015 to fall 2022. The total estimated cumulative change in storage for the Kings Subbasin from fall 2015 to fall 2022 of can be seen on **Figure 4-3**, below. The fall 2021 to fall 2022 estimated storage change is negative 680,000 acre-feet across the entire Kings Subbasin. The estimated storage change from fall 2021 to fall 2022 seems reasonable considering surface water deliveries into the Kings Subbasin were nearly 300,000 acre-feet more than what was delivered in the 2021 Water Year.

Table 4-1 – Kings Subbasin - Estimated Annual Change in Storage, Fall 2015 to Fall 2022

Kings Subbasin GSA	Fall 15 to Fall 16	Fall 16 to Fall 17	Fall 17 to Fall 18	Fall 18 to Fall 19	Fall 19 to Fall 20	Fall 20 to Fall 21	Fall 21 to Fall 22
Total Est. Storage Change (AF)	**-170,000**	**960,000**	**-400,000**	**390,000**	**-550,000**	**-890,000**	**-680,000**



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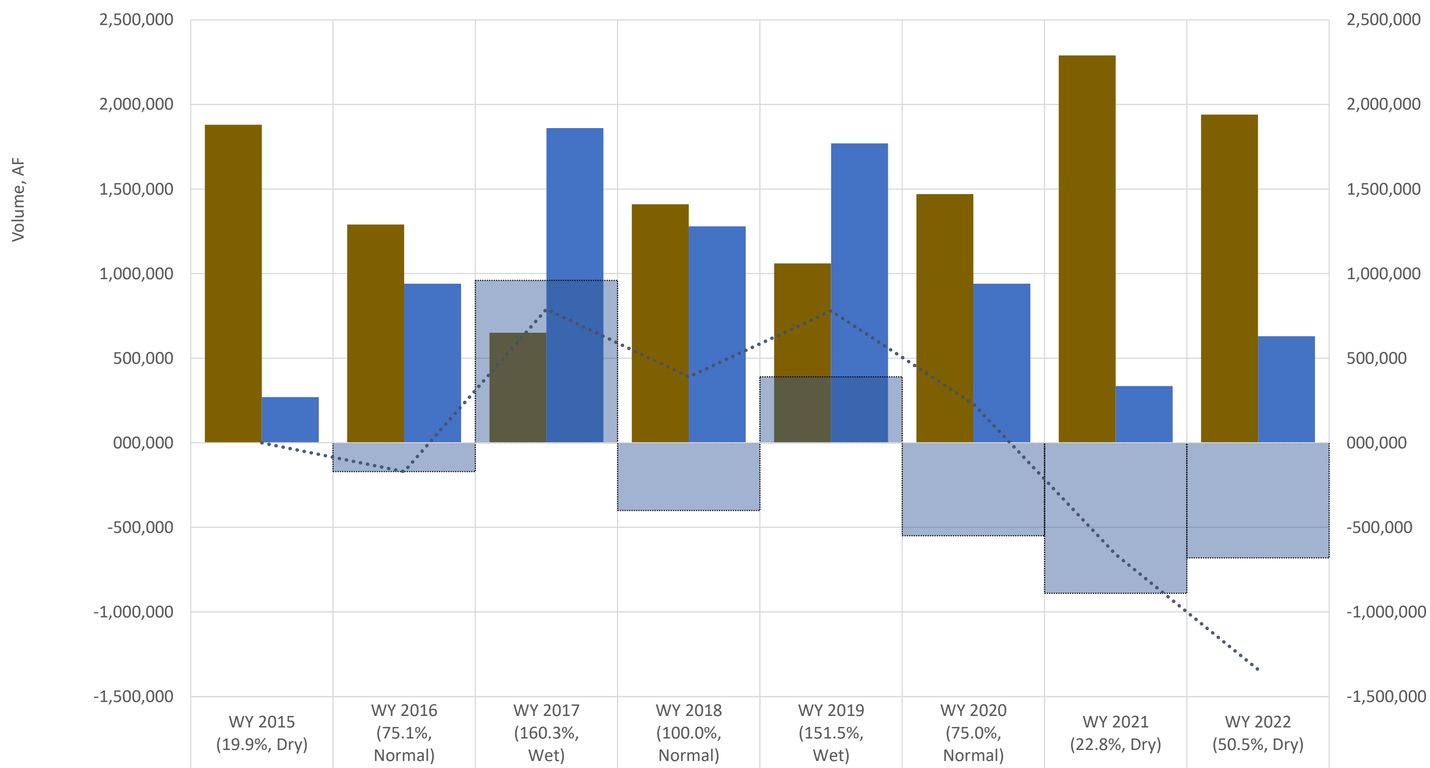
Kings Subbasin

Estimated Annual and Estimated Cumulative Groundwater Storage Change from Fall 2015 to Fall 2022



	WY 2015 (19.9%, Dry)	WY 2016 (75.1%, Normal)	WY 2017 (160.3%, Wet)	WY 2018 (100.0%, Normal)	WY 2019 (151.5%, Wet)	WY 2020 (75.0%, Normal)	WY 2021 (22.8%, Dry)	WY 2022 (50.5%, Dry)
Water Year Est. Total GW Use, AF	1,880,000	1,290,000	650,000	1,410,000	1,060,000	1,470,000	2,290,000	1,940,000
Water Year Surface Water Deliveries, AF	270,000	940,000	1,860,000	1,280,000	1,770,000	940,000	335,000	630,000
Est. Annual GW Storage Change, AF	0	(170,000)	960,000	(400,000)	390,000	(550,000)	(890,000)	(680,000)
Est. Cumulative Change in Storage, AF	0	(170,000)	790,000	390,000	780,000	230,000	(660,000)	(1,340,000)

Notes:
1 - Annual storage change is from fall to fall. Estimated storage change is listed under the ending year evaluated. For example, estimated storage change from Fall 2015 to Fall 2016 is under the Water Year (WY) 2016 column.
2 - WY begins Oct. 1 of preceding year and runs through Sept. 30 of listed year. For example, WY 2015 begins Oct. 1, 2014 and continues through Sept. 30, 2015.
3 - Values rounded to nearest 10,000 acre-feet.
4 - Kings River WY Types based on WY% - less than 75% = Dry, from 75% to 125% = Normal, greater than 125% = Wet. WY type may cha nge based on the running average, see note 5.
5 - WY% is a running average, therefore WY% shown typically vary yearly. For example, the 2015 WY% was 19.7% based on the average through WY 2020, while the average for WY 2015 is 19.9% based on the average through WY 2021.
6 - WY Surface Water Deliveries for Kings Subbasin = Kings River Headgate Diversions + Central Valley Project + estimated San Joaquin and Kings River Riparian.
7 - Water Year Est. Total GW use for WY 2020 was adjusted from the value reported in the WY 2020 annual report.

Figure 4-3

4.4 Seawater Intrusion

The Kings Subbasin is not hydrologically located near the ocean nor near saline sinks. Therefore, no criteria has been established for undesirable results.

4.5 Groundwater Quality

The Kings Subbasin's Groundwater Quality Monitoring Network is comprised of the individual GSA groundwater quality monitoring networks described in each GSA's GSP. A map of the overall network is shown in **Figure 4-4.**

The groundwater quality monitoring networks for the GSAs are comprised primarily of community and non-community public supply wells. Groundwater quality data from these wells are publicly available from the water suppliers or through online databases such the State Safe Drinking Water Information System (http://sdwis.waterboards.ca.gov/PDWW/) or the California Water Boards' Electronic Data Transfer (EDT) database. McMullin also utilizes groundwater quality data from the American Avenue Landfill and is publicly available on the California Water Board's online GeoTracker database as it becomes available.

4.5.1 Sustainable Management Criteria

Minimum Thresholds

In the 2022 revised GSPs, the Kings Subbasin GSAs established a basin wide approach to setting Minimum Thresholds that are consistent with State and local water quality standards to be protective of water uses and users (Title 22 of the CCR).

For each of the respective GSAs wells in the Groundwater Quality Monitoring Network and each of the Chemicals of Concern identified in the respective GSAs, Minimum Threshold values were established by one of two methods, depending on the historic concentrations of the various Chemicals of Concern:

- Where historic concentrations of Chemicals of Concern were recently (2015 to 2021) below MCLs (i.e. California potable water standards), the Minimum Threshold values were set at the MCLs; or
- Where historic concentrations of Chemicals of Concern were recently (2015 to 2021) above MCLs, the Minimum Threshold values were set at a 20% increase to the recent historic high concentration of the Chemical of Concern in the well.

Undesirable Results

In the 2022 revised GSPs, the Kings Subbasin GSAs established a basin wide approach to define if and when Undesirable Results may have occurred based on the annual water quality data when screened against the established Minimum Thresholds.

The occurrence of an Undesirable Result is defined as 15% of the groundwater quality monitoring wells having exceeded the established Minimum Threshold values for two consecutive years at the same wells when shown to be caused by groundwater pumping or recharge activities. There are several potential causes of groundwater quality degradation that could lead to undesirable results. However, as identified in the GSP, some of these causes are not the GSA's responsibility.

Minimum Threshold Exceedance Protocol

For Minimum Threshold exceedances, site-specific investigations will try to assess if GSA actions have contributed to the groundwater quality degradation.

Should assessments indicate GSA actions have contributed to groundwater quality degradation, then management actions described in the GSPs will be implemented in the area where the water quality changed.

4.5.2 Reported 2022 Groundwater Quality Data

Available groundwater quality data for calendar year 2022 for each GSA's Chemicals of Concern were compared against the Minimum Thresholds established in the revised GSPs. Tabulated water quality data and Minimum Threshold values are summarized in **Appendix E**. Reported concentrations of Chemicals of Concern are listed below:

- Reviewed groundwater quality data from 2022 indicates that well 1010034-005 within the James GSA had a manganese concentration of 730 micrograms per liter (μg/L) in August of 2022, which is above the established Minimum Threshold of 636 μg/L for manganese in this well. Manganese concentrations in this well in April and July 2022 were reported at concentrations of 390 μg/L and 350 μg/L, respectively.

  Manganese has historically been detected in this well at concentrations up to approximately ten times the California Secondary MCL value of 50 μg/L. There is no established Primary MCL for manganese.

  Manganese is a naturally occurring element and is typically dissolved from rocks and minerals as water flows through formation containing it. It is an essential element in the human diet, but there are neurological health concerns from over-exposure.

- Well 1010025-012 within the SKGSA had reported 1,2,3-Trichloropropane (TCP) concentrations of 0.08 μg/L, 0.046 μg/L, and 0.064 μg/L in April 2022, July 2022, and October 2022, respectively. The April and October TCP concentrations were above the Minimum Threshold value of 0.0588 μg/L established for TCP in this well.

  In Well 1010025-012 it has historically been detected at concentrations up to approximately ten times the California Primary MCL value of 0.005 μg/L.

  TCP was used in the past in the Kings Subbasin as a solvent and intermediate for pesticides in rural areas. It has been detected in shallow groundwater in rural areas and along Highway 99, and in Del Rey, Fowler, Kingsburg, Parlier, and Sanger public supply wells.

In 2022 concentrations of Chemicals of Concern have been reported above established Minimum Threshold values in two wells of the Kings Subbasin's Groundwater Quality Monitoring Network. It is unknown at this time if the higher reported concentrations in these wells are anomalous or are representative of upward trends. Future annual groundwater quality data will inform the Subbasin of the need to conduct site-specific investigations to assess if GSA actions have contributed to the groundwater quality degradation in these wells.

Water quality Minimum Thresholds were established in the revised GSPs submitted in 2022 and thus this report represents the first year that groundwater quality data is being compared against those

values. The occurrence of an Undesirable Result has been defined as 15% of the groundwater quality monitoring wells having exceeded the established Minimum Threshold values for two consecutive years at the same wells when shown to be caused by groundwater pumping or recharge activities.
To date water quality Undesirable Results have not occurred in the Kings Subbasin. Future annual groundwater quality data will need to be collected and reviewed to determine if and when possible Undesirable Results occur in the subbasin.

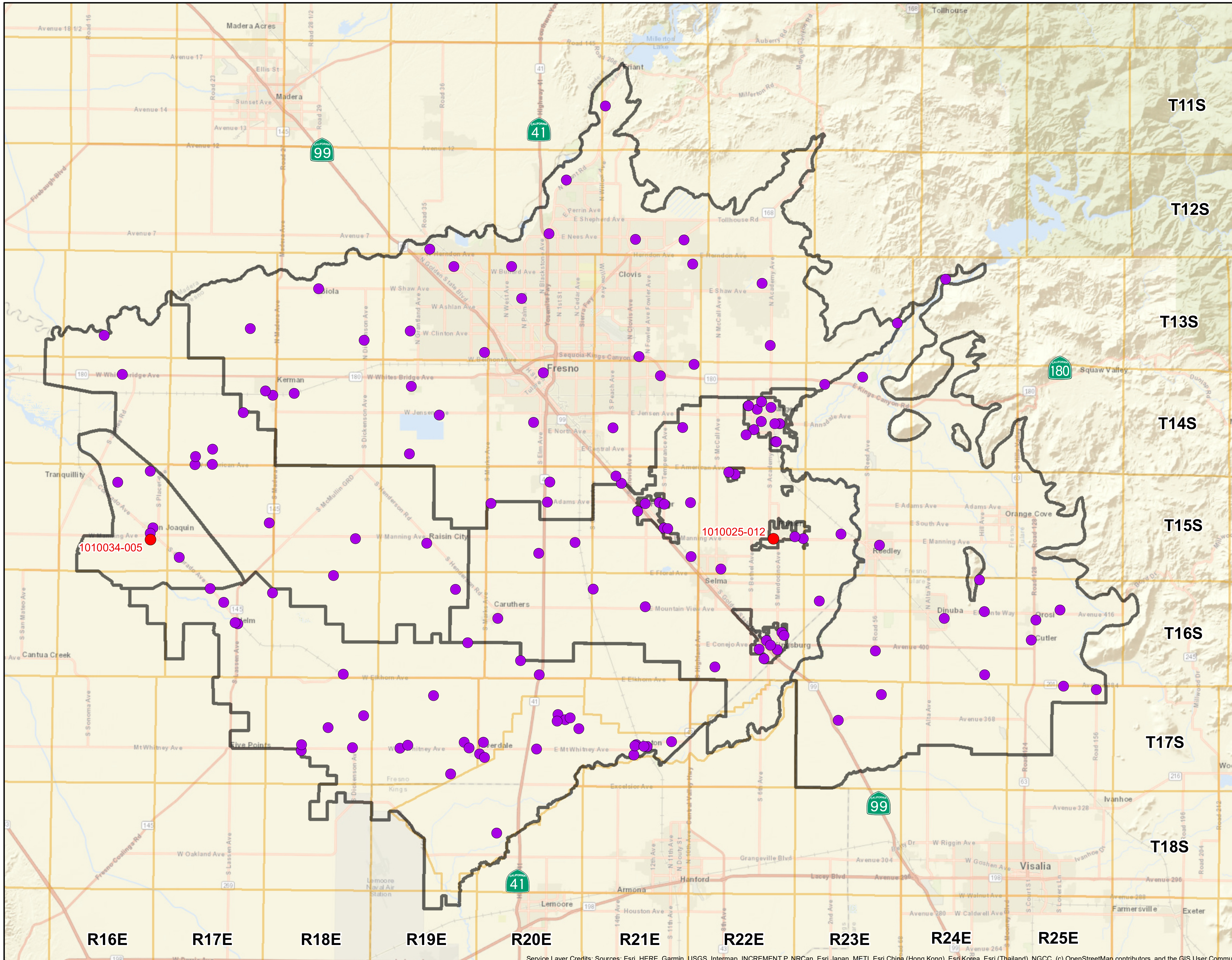
Changes to the Kings Subbasin's Groundwater Quality Monitoring Network and Minimum Thresholds are described in Section 5 of this annual report.

4.6 Land Subsidence

As discussed in the GSP, the basin is primarily relying on land subsidence survey information from NASA InSAR, as well as bi-annual survey of points within the basin land subsidence monitoring network. **Figure 4-5** shows the annual change observed and includes data from both InSAR and the monitoring network elevations. In general, the data from the two sources is consistent, showing greater amounts of subsidence in the western portion of the basin as discussed in the GSP. **Figure 4-6** also includes data from both InSAR and the surveyed points and shows the cumulative change from Fall 2020 to Fall 2022.

Kings Subbasin Coordinated Effort

Water Quality Monitoring Network



Legend

- Selected Representative Groundwater Monitoring Wells
- Wells Exceeding the Minimun Threshold in 2022
- Groundwater Sustainable Agency
- Township/Range

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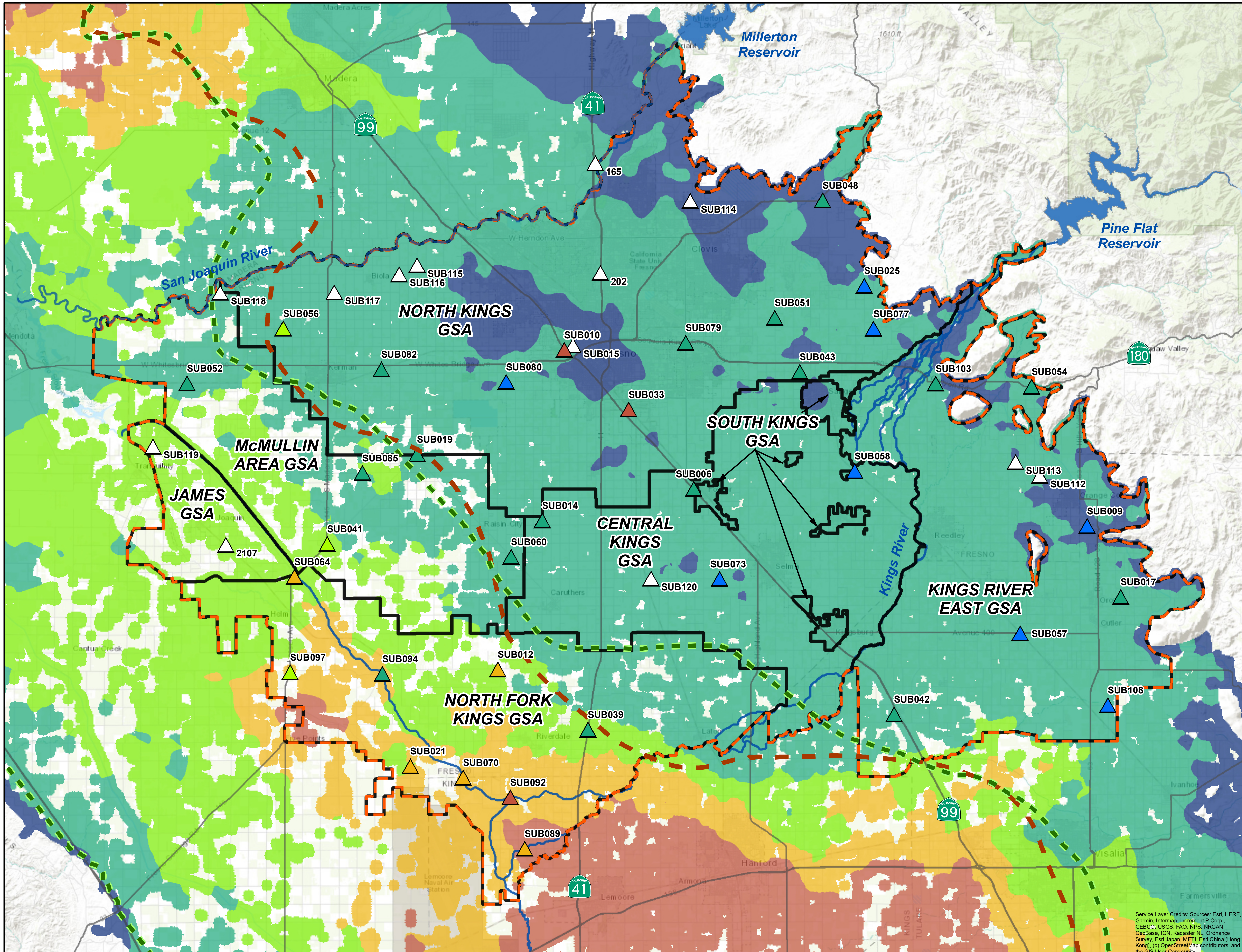

Kings Subbasin Coordinated Effort

Land Subsidence Monitoring
Fall 2021 to Fall 2022

E-Clay Eastern Extent (Page and LeBlanc1969, modified by KDSA)
Corcoran Clay Extent From CVHM
Kings Subbasin GSAs
Kings Subbasin

DWR Altamira SAR - Oct. 2021 to Oct. 2022

Displacement (Ft)

- 0.00 to 0.10
- -0.19 to 0.01
- -0.39 to -0.20
- -0.59 to -0.40
- > -0.60

Subsidence Monitoring Location Sept./Oct. 2021 to Sept./Oct. 2022

Elevation Change (Ft)

- 0.00 to 1.2
- -0.19 to -0.01
- -0.39 to -0.20
- -0.59 to -0.40
- > -0.60
- No Comparison Data*

Verified data exists only for one time period, no comparison of elevations is available.

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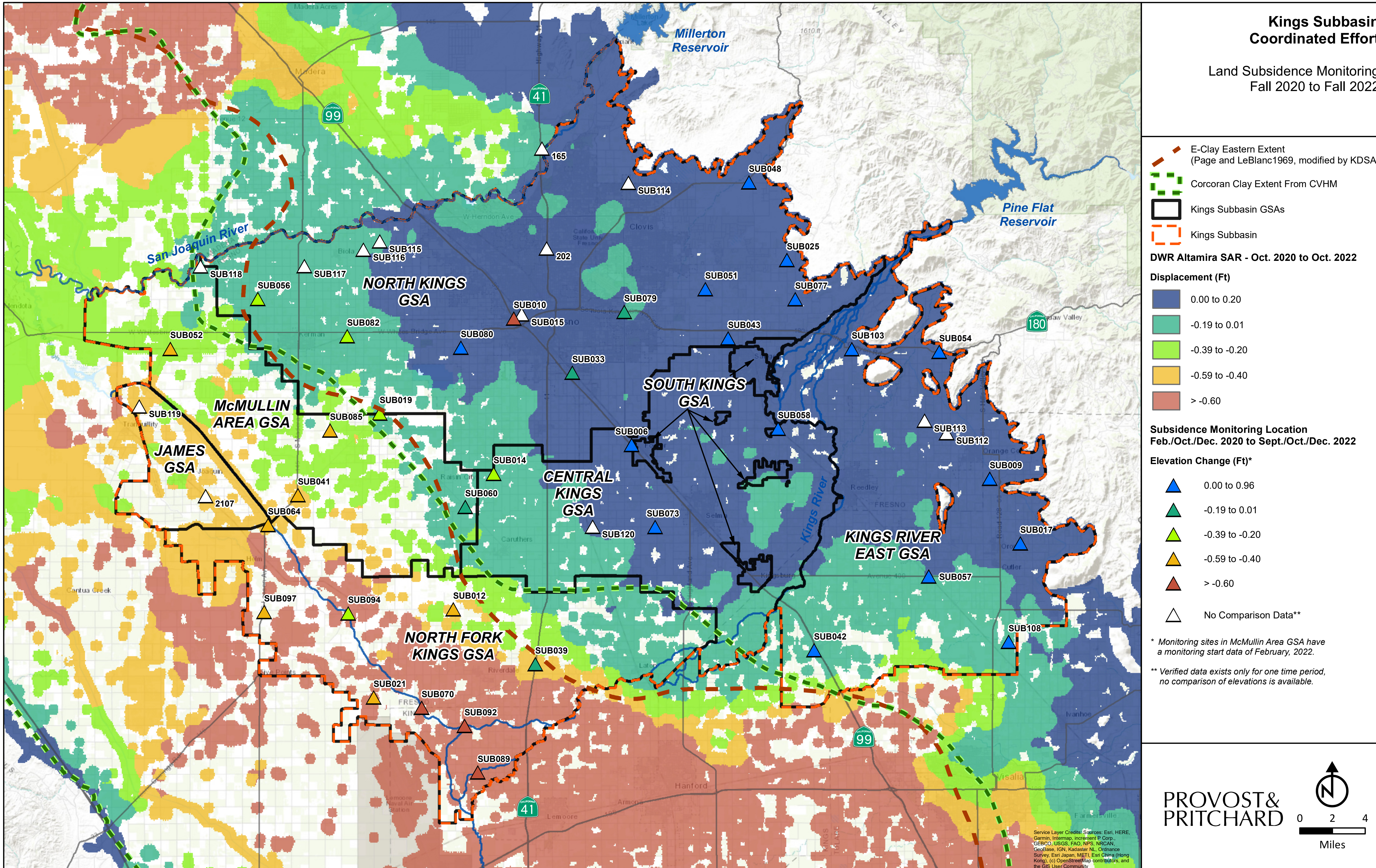
Kings Subbasin
Coordinated Effort
Land Subsidence Monitoring
Fall 2020 to Fall 2022
E-Clay Eastern Extent
(Page and LeBlanc1969, modified by KDSA)
Corcoran Clay Extent From CVHM
Kings Subbasin GSAs
Kings Subbasin
DWR Altamira SAR - Oct. 2020 to Oct. 2022
Displacement (Ft)
0.00 to 0.20
-0.19 to 0.01
-0.39 to -0.20
-0.59 to -0.40
> -0.60
Subsidence Monitoring Location
Feb./Oct./Dec. 2020 to Sept./Oct./Dec. 2022
Elevation Change (Ft)*
0.00 to 0.96
-0.19 to 0.01
-0.39 to -0.20
-0.59 to -0.40
> -0.60
No Comparison Data**
* Monitoring sites in McMullin Area GSA have a monitoring start data of February, 2022.
** Verified data exists only for one time period, no comparison of elevations is available.
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Miles
Millerton Reservoir
Pine Flat Reservoir
San Joaquin River
Kings River
NORTH KINGS GSA
McMULLIN AREA GSA
JAMES GSA
CENTRAL KINGS GSA
SOUTH KINGS GSA
KINGS RIVER EAST GSA
NORTH FORK KINGS GSA
SUB048
SUB114
165
SUB025
SUB051
SUB077
202
SUB115
SUB116
SUB117
SUB118
SUB056
SUB079
SUB010
SUB015
SUB082
SUB052
SUB080
SUB043
SUB103
SUB054
SUB033
SUB019
SUB085
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SUB014
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SUB041
SUB060
2107
SUB064
SUB073
SUB120
SUB017
SUB057
SUB097
SUB094
SUB012
SUB042
SUB108
SUB039
SUB021
SUB070
SUB092
SUB089
41
99
180

4.7 Surface to Groundwater Interconnection

The Kings Subbasin GSAs have established a groundwater level monitoring network which includes wells near the rivers that will be monitored to better understand potential surface to groundwater interconnections issues. DWR has provided comment on the GSP for the GSAs to reconsider Surface to Groundwater Interconnection. The GSAs will be reviewing and addressing during a GSP update process.

5 Monitoring Network

5.1 Groundwater Level Monitoring Network

The Kings Subbasin GSAs have identified data gaps within their GSPs that they intend to fill, and are still reviewing their monitoring networks. During this water year, the GSAs have spent significant effort to gather construction information via well video equipment for Indicator Wells that were included in the network because of a good history of data collection but lacked construction information. As definitive construction information is gathered, updates will be made through the SGMA monitoring network portal. The updated list of Indicator Wells can be found in **Appendix B**.

As mentioned in the 2021 Water Year Annual Report the GSAs were considering changes to the SMC monitoring network. Changes to the SMC water level monitoring network in the 2022 Water Year include the preplacement of 3 wells in KREGSA, 3 wells in MAGSA, and 7 wells in in NKGSA. These changes were needed as some original wells were no longer measurable, had been destroyed, had land ownership changes, or original locations were too close to recharge facilities and thus did not appear to represent regional groundwater conditions. Significant progress was made in gathering construction information in the 2022 Water Year via well videos and Well Completion Report reviews and this work of gathering well construction data will continue into the 2023 Water Year and reported on in future Annual Reports subsequent to this Annual Report.

5.2 Groundwater Quality Monitoring Network

The following revisions to the Groundwater Quality Monitoring Network have been made during this reporting period. Updated lists of the Groundwater Quality Monitoring Network wells with corresponding Minimum Thresholds are tabulated in **Appendix F**.

<u>South Kings GSA</u>

The Well IDs were updated for two Kingsburg community wells, as pre-treatment sampling data is now being used for the same two wells. The new Well IDs are 1010019-007 and 1010019-009. Sufficient data was available to set Minimum Threshold values for these wells (**Appendix F**).

<u>McMullin Area GSA</u>

At the time the revised GSP was submitted, dedicated monitoring wells identified as BMW-1, DMW-17, DMW-21, and DMW-25 and associated with the American Avenue Landfill were incorporated into the monitoring well network for the McMullin Area GSA. Subsequent to the GSP submittal new information was obtained that indicated these wells had been destroyed in 2020 and were replaced by new deeper monitoring wells at the same locations, identified as BMW-1R, DMW-17R, DMW-21R, and DMW-25R. Sufficient data was available during this reporting period to set Minimum Threshold values for these replacement wells by the same method used in the GSP (**Appendix F**).

<u>North Fork Kings GSA</u>

At the time the revised GSP was submitted, the North Fork Kings water quality monitoring network had several wells which groundwater quality data was not available to establish Minimum Thresholds. This included three dedicated monitoring wells that are associated with the Central Valley Dairy Representative Monitoring Program (Dairy Program), identified as ZON-MW1C, ZON-MW3B, and MAP-MW10. Sufficient groundwater quality data has now been supplied by the Dairy Program to set Minimum Threshold values for these three wells by the same method used in the GSP (**Appendix F**).

The GSA will continue to work fill the remaining water quality network data gaps as described in the GSP.

6 Groundwater Projects and Management Actions Status

> 356.2(b) (5) (C) A description of progress towards implementing the Plan, including achieving interim milestones, and implementation of projects or management actions since the previous annual report.

Since completion and submittal of the GSPs in January of 2020, each of the GSAs in the Kings Subbasin has been actively working on implementing their GSPs including project development and design, gathering of information to fill data gaps including well construction information, continued stakeholder outreach and engagement, development of initial policies, and other items. Some of the activities and actions implemented by the GSAs as a group since January 2020 include:

- Continued monthly coordination meetings with a representative from each of the GSAs.
- Updated Data Management System (DMS)
- Preparation of Annual Reports
- Preparation of a coordinated outreach effort including video, storymap, press release and social media that highlighted the significant amount of recharge basins that have been built or are under construction since GSPs have been submitted.
- Sponsorship of the facilitation of a quarterly conference call between the 11 San Joaquin Valley Basin Point of Contact individuals with DWR staff.
- Preparation of a successful joint grant application that will provide construction funding for 4 projects in three GSAs, including multiple projects with DAC benefits.
- Completed the elevation survey of all wells in the water level monitoring network by a licensed land surveyor

Some of the activities and actions implemented by the individual GSAs during Water Year 2022 include:

<u>Central Kings GSA</u>

- Obtained access to $20M loan for new pond acquisition/construction, additional SCADA sites and other SGMA implementation measures.
- Consolidated Irrigation District purchased an additional 120 acres of farmland near Nebraska Ave and Walnut Ave to be used for the construction of groundwater recharge basins.
- The Central Kings GSA partnered with the other Kings Subbasin GSAs to obtain $7,600,000 of SGMA Grant funding from the Department of Water Resources of the State of California. Approximately $5,000,000 of the grant funds will be utilized for the implementation of groundwater recharge projects within the Central Kings GSA.
- Initiated design of four new recharge basins totaling approximately 160 acres.
  1. Central/Bethel Basin (20 acres) near the SDAC of Tombstone
  2. Adams/Academy Basin (40 acres)
  3. Huntsman Basin (40 acres)
  4. Mountain View Basin (60 acres)

- Completed design and construction of two replacement groundwater monitoring wells utilizing funding from the 2017 Proposition 1 Sustainable Groundwater Planning Grant.
- Coordinated with the South Kings GSA and the City of Fowler to initiate construction of a three-acre recharge basin within the City utilizing a turnout from Consolidated Irrigation District's Kirby Canal.
- The boundaries of the Central Kings and South Kings GSA's changes as the cities within the South Kings incorporate lands and become part of the South Kings GSA. The Central and South Kings are updating these boundaries annually and will submit updates to DWR.

James GSA

- Secured SGMA funding for the James Bypass Recharge Basin Project
- Constructing a new monitor well with partial funding from DWR

Kings River East GSA

- Secured SGMA funding for Sultana CSD recharge and stormwater project
- Gathering construction information for SMC wells

McMullin GSA

- Received final marketing strategy report from consultants (WaterSMART grant)
- Applied for Temporary Diversion Permit
- Adopted Implementing Rules and Regs for metering, measurement, monitoring and construction, including a moratorium on wells drilling through the Corcoran Clay layer and setting minimum depths for domestic wells (below MT) in order to participate in any future well mitigation programs.
- Contracted w/ data management company for data collection and marketing platform development.
- Adopted Export Policy and Implementing Rules and Regs and fee schedule for permitting of export of groundwater from MAGSA boundary
- Presented Vision 2022 to stakeholders as a forward-looking outreach effort
- Conducted Well Registration campaign and reached over 98% success rate
- Continued environmental review for Water Bank
- Developed a real-time MAGSA cropping pattern database in conjunction with Fresno State grant.
- Certified CEQA docs for McMullin Expansion project.
- Coordinated outreach with NRCS to accomplish increased water efficiency EQIP grant applications for growers.
- Commenced discussions with SJR Restoration and Friant-Kern interest groups in an effort to better plan for treatment of GDE and Interconnected Surface Waters in the GSP updates.

North Fork Kings GSA

- Hired a full-time General Manager.
- Developed a road map to help guide development of a groundwater allocation that may be implemented in the future.
- Developed new committees and formalized working groups or Ad-Hoc committees into full committees of the GSA that meet on a regular basis to assist with implementation of the GSP, including:

  - Technical Advisory Committee
  - Grower Advisory Committee
  - Rural Community Advisory Committee
  - Finance Committee
  - Policy Committee
- Contracted with MLJ Environmental to develop on-line well registration portal.
- Riverdale ID successfully obtained SGMA grant funding from the Department of Water Resources for development of a new recharge project.
- Updated and new resources continue to be added to the GSA website to provide information on the NFKGSA to stakeholders.
- Monthly field level crop water use data obtained from LandIQ, enabling the GSA to evaluate field-level data and calculate net groundwater use.
- Current crop acreage information obtained from LandIQ.
- Newsletters highlighting NFKGSA activities mailed to landowners on a quarterly basis for education and outreach.
- Progress continues on the Laton North Recharge Project.
- Progress continues on conceptual layout of the Elkhorn Recharge Project.

North Kings GSA

- GSP project solicitation commenced in June 2022 with the project list contained in Chapter 6 being updated and approved by the NKGSA Board of Directors on August 25, 2022. The updated project list is posted to the NKGSA website and included three new projects for the Bakman Water Company and one new project for Fresno Irrigation District.
- Fresno Irrigation District completed construction of 180 acres of basins at five different sites adding an additional recharge potential of 7,100 acre-feet of water recharged at these sites.
- FID's Savory Basin became the first groundwater sustainability project in the State to be completed using the Prop 68 SGMA Implementation Grant dollars which was celebrated by a press-conference and ribbon cutting event on August 19, 2022. The Savory Basin is located adjacent to the Shady Lakes Manufactured Home Development and provides local groundwater recharge and groundwater quality benefits to the neighborhood.
- July 2022: Submitted a revised groundwater sustainability plan, adopted and approved by the NKGSA Board of Directors to provide responses to the deficiencies noted by the DWR in their initial determination letter.
- Made necessary improvements to the representative monitoring network including obtaining elevation data for each representative well via a professional services contract with Provost and Pritchard Consulting Group. In addition, obtained construction information for several Indicator Wells.
- Secured an additional $932,000 for the Fresno Irrigation District's Carter-Bybee groundwater recharge basin via the Round 1 SGMA Implementation Grant awarded to the Kings Basin, total $7.6M.
- Seated a new director to the NKGSA Board of Directors representing the at-large members of the NKGSA. The new director, Kyle Moeller, was sworn in in February 2022.
- Developed the mitigation targets for each of the member agencies within the NKGSA.
- Reviewed all well permit applications for new wells, replacement wells, deepened wells and destruction of wells within the North Kings GSA through coordination with Fresno County as required by the Governor's Executive Order N-7-22.

- Began development of a well database to house information on all wells within the NKGSA boundary.
- Presented at numerous community organization meetings and other stakeholder engagement events.
- Remained active on social media to keep members of the public informed on the happenings of the NKGSA.
- Maintained the NKGSA website including grower resources to promote flood irrigation when there is available surface water and drinking water guides in multiple languages.
- Commenced discussions with SJR Restoration and Friant-Kern interest groups in an effort to better plan for data gap analysis and Interconnected Surface Waters in the GSP updates.

South Kings GSA

- Constructed two projects to intertie existing storm water basins to Consolidated Irrigation District canals for groundwater recharge purposes estimated at an annual average of 560 AF in Sanger.
- Continued design and environmental work associated with a new 15-acre dedicated groundwater recharge facility in North Sanger.
- Prepared and adopted a Development Impact Fee Study to be used to collect groundwater mitigation fees from developers in member agencies.
- Purchased and developed a 160 AF groundwater recharge basin in Fowler.
- Purchased 3,000 AF of surface water for groundwater recharge purposes.
- The boundaries of the Central Kings and South Kings GSA's changes as the cities within the South Kings incorporate lands and become part of the South Kings GSA. The Central and South Kings are updating these boundaries annually and will submit updates to DWR.

7 References

California Department of Water Resources, *California Water Plan Update – 2018*, Bulletin 160-18, 2019.

California Department of Water Resources, *Effective Precipitation - A Field Study to Assess Consumptive Use of Winter Rains by Spring and Summer Crops*, February 1989.

Cal Poly Irrigation Training and Research Center, "*Irrigation Water Balance Fundamentals*", USCID Conference on Benchmarking Irrigation System Performance Using Water Measurement and Water Balances, San Luis Obispo, March 10, 1999.

Appendix A – Water Supply Data

Kings Groundwater Basin
Groundwater Extractions

Basin Number	Water Year	Total Groundwater Extractions (AF)	Water Use Sector Urban (AF)	Water Use Sector Industrial (AF)	Water Use Sector Agricultural (AF)	Water Use Sector Managed Wetlands (AF)	Water Use Sector Managed Recharge (AF)[1]	Water Use Sector Native Vegetation (AF)	Water Use Sector Other (AF)	Water Use Sector Other Description
5-022.08	2022 (Oct. 2021 - Sept. 2022)	1,943,168	161,904	0	1,744,599	0	59,990	0	36,665	JID Wells Pumped in McMullin GSA

Notes: 1 - Recharge only include intentional recharge. Other sources of groundwater recharge including canal seepage, pipeline leakage and wastewater effluent recharge occur in the Subbasin, but are not included in the value above.

Kings Groundwater Basin
Groundwater Extraction Methods

Basin Number	Water Year	Meters Volume (AF)	Meters Description	Meters Type	Meters Accuracy (%)	Meters Accuracy Description	Electrical Records Volume (AF)	Electrical Records Description	Electrical Records Type	Electrical Records Accuracy (%)	Electrical Records Accuracy Description
5-022.08	2022 (Oct. 2021 - Sept. 2022)	193,837	Flow meters	Direct	0-5%	Typical accuracy for propeller and magnetic meters	0	-	-	-	-

Basin Number	Water Year	Land Use Volume (AF)	Land Use Description	Land Use Type	Land Use Accuracy (%)	Land Use Accuracy Description	Groundwater Model Volume (AF)	Groundwater Model Description	Groundwater Model Type	Groundwater Model Accuracy (%)	Groundwater Model Accuracy Description
5-022.08	2022 (Oct. 2021 - Sept. 2022)	1,707,631	Calculated pumping from crop water demands minus surface water deliveries	Estimate	10-20%	Based on accuracy of Crop evapotranspiration estimates	0	-	-	-	-

Basin Number	Water Year	Other Method(s) Volume (AF)	Other Method(s) Description	Other Method(s) Type	Other Method(s) Accuracy (%)	Other Method(s) Accuracy Description
5-022.08	2022 (Oct. 2021 - Sept. 2022)	41,700	Rural domestic pumping estimated based on vegetated area and standard indoor use	Estimate	10-20%	Accuracy based on professional judgement

Kings Groundwater Basin
Surface Water

Basin Number	Water Year	Methods Used To Determine	Water Source Type Central Valley Project (AF)	Water Source Type State Water Project (AF)	Water Source Type Colorado River Project (AF)	Water Source Type Local Supplies - Kings River (AF)	Water Source Type Local Imported Supplies (AF)	Water Source Type Recycled Water (AF)	Water Source Type Desalination (AF)	Water Source Type Other (AF)	Water Source Type Other Description
5-022.08	2022 (Oct. 2021 - Sept. 2022)	Flumes and water meters	64,720	0	0	529,240	0	4,756	0	32,066	Riparian diversions and stormwater

Kings Groundwater Basin
Total Water Use

Water Year	Total Water Use (AF)	Methods Used To Determine	Water Source Type Groundwater (AF)	Water Source Type Surface Water (AF)	Water Source Type Recycled Water (AF)	Water Source Type Reused Water (AF)	Water Source Type Other (AF)	Water Source Type Other Description
2022 (Oct. 2021 - Sept. 2022)	2,573,950	Sum of all water supplies	1,943,168	593,960	4,756	0	32,066	Riparian water diversions

Water Year	Water Use Sector Urban (AF)	Water Use Sector Industrial (AF)	Water Use Sector Agricultural (AF)	Water Use Sector Managed Wetlands (AF)	Water Use Sector Managed Recharge (AF)[1]	Water Use Sector Native Vegetation (AF)	Water Use Sector Other (AF)	Water Use Sector Other Description
2022 (Oct. 2021 - Sept. 2022)	236,964	0	2,240,332	0	59,990	0	36,665	JID Wells Pumped in McMullin GSA

Appendix B – Groundwater Level Data

Unique Well ID	Site Code	Measuring Agency	Local Well ID	GSA	IM_Elev_2025	IM_Elev_2030	IM_Elev_2035	MO_Elev	MT_Elev	WSE Fall '22	DTW Fall '22	WSE Sp. '22	DTW Sp. '22	WSE Fall '21	DTW Fall '21	WSE Sp. '21	DTW Sp. '21
CID06	366923N1196067W001	CID	6	CKGSA	280.4	277.6	275.8	275.2	232.8	272.0	72.7	272.4	72.3	271.3	71.1	278.6	63.8
CID28	365764N1195754W001	CID	28	CKGSA	248.6	244.1	241.1	240.1	203.3								
CID31	365772N1194782W001	CID	31	CKGSA	269.1	266.0	263.9	263.2	234.4	265.7	63.1	260.4	68.4	267.0	59.6	273.4	53.2
CID32*	365464N1195041W001	CID	32	CKGSA	255.9	252.1	249.5	248.7	217.3	246.8	73.9	255.5	65.2	248.7	68.9	260.0	57.6
CID41*	364886N1195393W001	CID	41	CKGSA	265.3	263.6	262.4	262.1	230.2	255.3	37.8	251.0	42.1	259.5	30.5	259.0	31.0
CID48*	365185N1197597W001	CID	48	CKGSA	97.2	87.7	81.4	79.4	39.0	97.3	159.0	108.5	147.8	84.0	153.5	94.6	142.9
CID56	365466N1198274W001	CID	56	CKGSA	58.2	46.4	38.6	36.1	-9.3	65.3	184.2	73.9	175.6	66.9	181.5	78.1	170.3
CID62	365183N1196471W001	CID	62	CKGSA	187.2	181.7	178.1	176.9	141.1								
CID65	365764N1196824W001	CID	65	CKGSA	213.8	204.1	197.6	195.5	158.0	217.0	80.3	220.7	76.6	221.7	73.5	226.5	68.7
CID67	365763N1197550W001	CID	67	CKGSA	145.0	139.1	135.1	133.8	110.8	142.2	125.0	149.6	117.6	148.9	117.5	155.6	110.8
CID74*	366055N1198274W001	CID	74	CKGSA	109.9	103.2	98.7	97.2	64.2	107.4	149.7	115.3	141.8	109.8	144.0	118.1	135.7
1010034-002*	366064N1201893W001	JID	1010034-002	JIDGSA	19.1	11.2	6.2	3.9	-22.4	35.6	132.2						
15S16E28A003M	366022N1202260W003	JID		JIDGSA	69.8	67.4	65.8	65.3	40.0	71.5	95.6	58.4	109.9	62.1	109.0	75.7	95.4
15S16E29N001M*	365883N1202602W001	JID	Horn	JIDGSA	11.2	-4.2	-14.4	-17.7	-77.0	47.1	125.2	51.2	120.0	47.6	128.5	69.5	106.6
16S17E04P001M*	365613N1201263W001	JID	D12	JIDGSA	-23.1	-29.5	-33.7	-35.1	-59.7	-9.9	184.3	-14.1	188.5	-25.3	208.0	-15.6	198.3
366502N1201782W001*	366502N1201782W001	JID	C65	JIDGSA	2.1	-8.9	-16.2	-18.5	-61.0	-29.9	196.1			33.1	134.7	47.6	120.2
105B		AID	105B	KREGSA	263.0	260.8	259.3	258.9	217.3	250.0	90.7	256.0	84.7	256.6	84.9	263.5	78.0
14S24E17C001MX	367193N1193882W001	OCID	17C1	KREGSA	443.1	439.9	437.8	437.1	424.8	437.8	25.1	439.4	23.5	439.7	23.2	444.2	18.7
15S24E11A001MX	366457N1193268W001	OCID	11A1	KREGSA	410.7	409.9	409.4	409.2	376.5	397.4	32.5	402.1	27.8	397.1	32.8	414.4	15.5
15S25E19A001MX	366166N1192874W001	OCID	19A1	KREGSA	407.4	405.6	404.4	404.0	361.5	392.6	65.8	405.8	52.6	396.2	62.2	421.3	37.1
16S25E10J001MX	365513N1192370W001	OCID	10J1	KREGSA	357.7	355.2	353.5	353.0	303.0	341.9	80.4	352.3	70.0	346.7	75.6	367.0	55.3
193B		AID	193B	KREGSA	127.7	123.9	121.4	120.6	68.1	117.6	156.5	123.8	150.3	123.3	152.3	140.2	135.4
B013B	367165N1194474W001	AID	B013B	KREGSA	372.2	371.5	371.1	370.9	362.5	365.7	30.1	364.4	31.4	362.9	32.5	374.6	20.9
H020A	366767N1194568W001	AID	4A	KREGSA	310.1	307.1	305.1	304.5	279.1	303.9	56.3	304.0	56.2	304.7	55.6	309.6	50.7
I045A	366616N1193874W001	AID	I045A	KREGSA	325.9	321.8	319.2	318.3	264.9	302.4	97.0	318.4	81.0	310.7	88.5	335.8	63.4
I055A	366175N1194104W001	AID	I055A	KREGSA	266.1	262.7	260.5	259.8	224.6	255.8	107.7	268.8	94.7	268.1	95.5	281.4	82.2
I073A	365736N1194510W001	AID	I073A	KREGSA	245.4	238.4	233.8	232.4	205.7	261.3	76.3	265.4	72.3	264.0	73.6	272.1	65.6
K086B	365283N1194482W001	AID	80	KREGSA	200.5	189.5	182.1	179.8	137.3	217.6	98.8	224.9	91.5	222.4	93.9	240.6	75.7
KRWD04	366697N1194960W001	KRWD	KRWD04	KREGSA	318.7	318.4	318.2	318.2	314.6	311.7	27.0	315.7	23.0	319.4	18.8	318.4	19.8
M065A	365889N1193863W001	AID	M065A	KREGSA	261.4	254.6	250.0	248.6	205.8	239.9	122.8	253.7	108.9	247.1	115.4	273.1	89.4
M130B*	365058N1193952W001	AID	M130B	KREGSA	229.7	225.5	222.6	221.7	163.1	209.0	107.6	214.0	102.5	211.5	101.4	229.3	83.6
O123A	365305N1193254W001	AID	O123A	KREGSA	286.4	279.9	275.6	274.2	209.7	259.1	93.1	270.2	82.0	266.3	84.5	287.8	63.0
T136A*	364941N1193151W001	AID	T136A	KREGSA	262.7	254.7	249.4	247.7	177.7	252.1	85.7						
T139A	365591N1193007W001	AID	T139A	KREGSA	293.6	286.0	280.9	279.3	250.1	275.4	110.3	299.3	86.3	286.1	99.1	309.0	76.3
X156A	364875N1192394W001	AID	X156A	KREGSA	274.6	267.2	262.2	260.7	231.1	282.5	65.9	282.3	66.0	282.4	65.6	285.1	63.0
X176A	364586N1194342W001	AID	X176A	KREGSA	156.6	144.3	136.1	133.5	84.4	170.1	119.9	178.8	111.1	178.5	110.7	186.5	102.8
X211A		AID		KREGSA	194.9	179.8	169.7	166.6	108.5	190.7	120.5	198.8	112.4	199.7	113.0	210.8	101.9
X218B	364425N1193860W001	AID	143	KREGSA	207.7	198.0	191.6	189.6	143.3	208.6	81.7	210.7	79.6	217.0	72.9	224.6	65.2
X234B	364508N1192910W001	AID	X234B	KREGSA	211.9	201.8	195.1	193.0	154.1	212.0	115.9	215.5	112.4	218.3	108.1	225.8	100.5
14S17E05C001MX	367477N1201460W001	FID	FD5D1	MAGSA	74.2	69.1	65.7	64.6	44.9	69.5	135.8	79.0	124.0	70.9	132.0	83.9	119.0
15S17E13R002M*	366196N1200632W001	JID	15S17E13R002M	MAGSA	-47.0	-55.8	-61.8	-63.6	-97.8	-33.6	223.3	-26.8	216.5	-23.5	219.1	-13.4	209.0
15S18E30L001M*	365963N1200529W001	JID	15S18E30L001M	MAGSA	-73.7	-84.0	-90.9	-93.1	-132.7	-73.7	261.5	-54.8	242.6	-44.1	241.7	-41.9	239.5
365463N1199268W001	365463N1199268W001	MAGSA	16S19E17C001M	MAGSA	-25.6	-33.1	-38.1	-39.7	-80.0	5.8	214.9	-15.4	236.1	-15.8	236.5	-12.3	233.0
366082N1201199W001	366082N1201199W001	JID	15S17E21J001M	MAGSA	-51.6	-63.3	-71.0	-73.5	-118.5	-18.1	195.3	-11.4	185.9	-3.3	185.9	-19.3	201.9
366188N1199104W001	366188N1199104W001	MAGSA	15S19E21C003M	MAGSA	68.9	64.2	61.0	60.0	28.4	48.0	186.6	62.1	172.5	61.4	173.2	68.6	166.0
367488N1202374W001	367488N1202374W001	MAGSA	14S16E04D001M	MAGSA	46.7	38.6	33.2	31.5	0.5	50.8	122.1			58.9	114.0	83.9	89.0
367705N1202691W001	367705N1202691W001	MAGSA	13S16E30L003M	MAGSA	44.2	35.9	30.4	28.6	-40.5	58.5	110.6	59.9	109.2	61.2	116.3	94.9	82.5
367757N1201874W001	367757N1201874W001	MAGSA	13S16E26A001M	MAGSA	101.8	94.7	89.9	88.4	12.7	74.4	119.0	88.4	105.0	82.4	111.0	125.4	68.0
367782N1202141W001	367782N1202141W001	MAGSA	13S16E27C001M	MAGSA	100.7	95.4	91.8	90.7	42.6	82.0	106.4	92.1	96.3	90.6	97.9	120.4	68.0
A07	366900N1202000W001	MAGSA	A07	MAGSA	69.5	59.9	53.5	51.5	14.7	75.5	93.9	78.9	90.5	78.9	90.6	84.4	85.0
A15		MAGSA	A15	MAGSA	14.9	10.2	7.1	6.1	-39.9					13.5	173.0	26.5	160.0
A17	367051N1200788W001	MAGSA	A17	MAGSA	56.3	51.2	47.8	46.7	24.1	104.8	105.3	50.7	159.4	50.3	159.8	67.5	142.6
A23	366500N1201000W001	MAGSA	A23	MAGSA	-27.1	-36.5	-42.8	-44.8	-81.1	3.0	186.0			-9.6	198.7	-0.3	189.3
A24	366544N1201561W001	MAGSA	A24	MAGSA	3.2	-3.5	-7.9	-9.3	-34.9	-14.7	188.0	-12.7	186.0	16.8	156.5	33.5	139.8
A30	365800N1200900W001	MAGSA	A30	MAGSA	-44.4	-50.0	-53.7	-54.9	-135.7	-91.1	269.0			-87.7	265.7	-49.1	227.0
A32		MAGSA	A32	MAGSA	65.0	57.5	52.5	51.0	16.6	29.1	197.0			56.9	169.2	76.6	149.5
A34	366600N1200200W001	MAGSA	A34	MAGSA	37.7	30.8	26.2	24.8	-23.2	24.1	190.9	95.0	120.0	33.3	181.7	34.0	181.0
A46	366481N1198988W001	MAGSA	A46	MAGSA	83.3	79.3	76.5	75.7	43.2					102.7	137.0	113.7	126.0
A51	366031N1199215W001	MAGSA	A51	MAGSA	26.2	19.9	15.7	14.4	-9.9			28.8	199.7	28.8	199.7	37.5	191.0
A53	365700N1199500W001	MAGSA	A53	MAGSA	-39.1	-49.2	-56.0	-58.1	-97.3	-37.9	249.0	-30.7	241.8	-32.2	243.3	-18.9	230.0

Unique Well ID	Site Code	Measuring Agency	Local Well ID	GSA	IM_Elev_2025	IM_Elev_2030	IM_Elev_2035	MO_Elev	MT_Elev	WSE Fall '22	DTW Fall '22	WSE Sp. '22	DTW Sp. '22	WSE Fall '21	DTW Fall '21	WSE Sp. '21	DTW Sp. '21
A58	365400N1200000W001	MAGSA	A58	MAGSA	-70.3	-86.6	-97.4	-100.8	-163.3	-82.2	274.6	-58.3	250.7	-58.6	251.0	-37.0	229.4
A62	365525N1198633W001	MAGSA	A62	MAGSA	27.5	17.5	10.9	8.8	-29.5	32.8	203.5	41.3	195.0	39.4	196.9	49.2	187.1
364591N1200135W001	364591N1200135W001	NFKGSA	17S18E09R001M	NFKGSA	-61.2	-75.2	-84.5	-87.4	-126.1	-31.2	223.7	-51.4	243.9	-41.2	233.7	-30.3	222.8
364603N1197510W001*	364603N1197510W001	LWD	17S20E12Q001M	NFKGSA	45.4	31.2	21.8	18.8	-35.5	88.8	158.7			97.1	150.4	98.2	144.5
364667N1197041W001	364667N1197041W001	LWD	17S21E09M001M	NFKGSA	108.3	98.9	92.7	90.7	40.2	107.3	143.6	132.9	118.0	120.2	130.7	132.8	118.1
364668N1198257W001	364668N1198257W001	LWD	17S20E08L001M	NFKGSA	2.1	-12.0	-21.4	-24.4	-78.6							52.5	176.7
364682N1198732W001	364682N1198732W001	LWD	17S19E11H001M	NFKGSA	-21.5	-36.6	-46.7	-49.8	-93.0	-7.7	226.0	3.1	215.2			18.1	200.2
364739N1196227W001	364739N1196227W001	LID	17S22E07A001M	NFKGSA	147.1	137.7	131.4	129.4	81.2	167.7	104.9	180.6	92.0	180.7	91.9	192.7	79.9
364813N1198968W001	364813N1198968W001	LWD	17S19E03L001M	NFKGSA	-25.7	-38.0	-46.1	-48.7	-96.0	10.6	205.1	14.6	201.1	10.2	205.5	19.1	196.6
364816N1197785W001	364816N1197785W001	LID	17S20E02M001M	NFKGSA	51.5	34.1	22.5	18.8	-23.4	73.3	162.9	84.2	152.0	86.3	149.9	88.2	149.5
364893N1200127W001	364893N1200127W001	NFKGSA	16S18E33Q001M	NFKGSA	-71.0	-86.6	-96.9	-100.2	-145.2	-47.2	245.9	-51.0	249.8	-52.3	251.0		
364916N1198366W001	364916N1198366W001	LWD	16S20E31P001M	NFKGSA	-5.4	-19.7	-29.2	-32.2	-72.3	28.3	209.1	36.6	200.8	32.3	205.1	43.8	193.6
364960N1197554W001	364960N1197554W001	LWD	16S20E35J001M	NFKGSA	76.3	63.3	54.6	51.9	16.9							101.9	145.6
364967N1197193W001	364967N1197193W001	LWD	16S21E31J001M	NFKGSA	102.3	91.2	83.8	81.5	38.9	111.8	143.9	119.0	136.7	124.6	131.1	125.4	130.3
365143N1198529W001	365143N1198529W001	LWD	16S19E25B001M	NFKGSA	16.4	3.1	-5.7	-8.5	-59.7								
365150N1197327W001	365150N1197327W001	LWD	16S21E30C001M	NFKGSA	102.8	91.5	84.0	81.6	38.3	111.7	146.0			120.1	137.6	126.6	131.1
B06	365318N1201136W001	NFKGSA	B06	NFKGSA	-14.3	-22.6	-28.1	-29.8	-61.8	-22.5	202.6	-9.2	189.2	-3.8	186.2	-6.5	188.9
B22	364659N1200854W001	NFKGSA	B22	NFKGSA	-17.4	-22.5	-25.9	-26.9	-49.6	-18.0	213.9	-20.8	216.7	-15.0	211.2	-19.9	216.0
B31	364156N1200130W001	NFKGSA	B31	NFKGSA	-4.8	-18.2	-27.1	-29.9	-81.4	-1.9	206.6	4.0	200.7	2.7	202.4	11.8	193.3
LID07*	364002N1197624W001	LID	18S20E02A001M	NFKGSA	29.0	11.7	0.1	-3.4	-55.0	61.5	168.0	75.5	154.0	74.5	155.0	105.8	137.0
LID14	364000N1198100W001	LID	LID14	NFKGSA	39.9	30.9	24.9	23.0	-12.1	29.8	194.7	47.5	177.0	45.8	178.7	61.8	162.7
LID21	363752N1198257W001	LID	LID21	NFKGSA	46.3	35.8	28.8	26.6	-20.5	20.4	194.2	51.6	163.0	55.4	159.2	51.4	163.2
LID25	363400N1198800W001	LID	LID25	NFKGSA	3.1	-18.5	-33.0	-37.5	-120.9	-69.1	272.3	-21.8	225.0	-49.1	252.3	38.9	164.3
LID26	363800N1199000W001	LID	LID26	NFKGSA	-5.9	-17.8	-25.8	-28.3	-74.3	-32.8	232.9	-26.9	227.0	-23.8	223.9	18.2	181.9
12S19E33P001MX	368408N1199053W001	COF	FC160	NKGSA	191.8	188.4	186.2	185.5	172.6	198.6	102.4	195.9	105.0	194.9	106.0	198.8	102.1
12S19E36J001MX	368446N1198395W001	COF	FC091	NKGSA	169.1	162.8	158.6	157.3	133.1	171.8	160.0	177.8	154.0	186.8	145.0	174.2	157.6
12S20E23M001MX		COF	FC143	NKGSA	194.7	188.2	183.8	182.4	157.1			200.1	154.1			201.4	152.8
12S20E34K001MX	368436N1197745W001	COF	FC092	NKGSA	177.3	169.9	164.9	163.4	134.8	188.1	172.0	150.9	209.2	156.7	203.4	201.1	159.0
13S17E25C001MX	367785N1200704W001	FID	FD25C1	NKGSA	145.9	145.3	145.0	144.9	86.1	129.3	102.6			134.8	97.1		
13S17E33M001MX	367568N1201327W001	FID	FD32H1	NKGSA	93.7	91.6	90.2	89.7	36.6	80.7	129.4			54.7	155.4	90.7	119.4
13S19E11L001MX	368127N1198728W001	COF	FC035A	NKGSA	173.6	168.1	164.4	163.2	141.7	175.6	128.9	179.3	125.2	179.3	125.4	183.4	121.3
13S19E29A001MX	367760N1199171W001	FID	FD29A1	NKGSA	169.3	165.2	162.4	161.6	137.8	164.7	102.2			169.4	97.5	176.2	90.7
13S20E27C001MX	367791N1197822W001	COF	FC069	NKGSA	169.9	165.3	162.2	161.3	143.7	192.1	118.0	192.5	117.6	192.9	117.2	192.6	117.5
13S20E30B001MX	367789N1198333W001	COF	FC074	NKGSA	173.4	168.2	164.7	163.6	143.6	182.8	121.2	185.0	119.0	184.6	119.4	185.5	118.5
13S21E19E001MX	367889N1197319W001	COF	FC080	NKGSA	175.3	163.0	154.9	152.3	105.1	220.8	114.0	206.6	128.2	206.1	128.7	214.3	120.5
13S22E07R001MX	368106N1196143W001	FID	FD07R1	NKGSA	323.3	318.0	314.4	313.3	292.8			324.1	67.5	324.1	67.5	328.1	63.5
13S22E32A001MX	367644N1195963W001	FID	FD32A1	NKGSA	304.3	297.8	293.4	292.1	265.8	305.1	65.7	310.6	60.2	310.4	60.5	316.6	54.2
13S23E30C001MX	367789N1195107W001	FID	FD30B1	NKGSA	397.6	397.6	397.6	397.6	372.1	376.6	34.2	386.1	24.7	375.1	35.7	393.1	17.7
13S23E33B001MX	367606N1194707W001	FID	FD33B1	NKGSA	412.0	410.2	409.1	408.7	401.9	413.4	18.4	410.9	20.9	408.9	22.9	413.9	17.9
14S18E15M001MX		FID	FD15E1	NKGSA	129.4	127.6	126.4	126.0	75.2	101.9	129.0	112.5	121.0	108.9	122.0	121.4	109.5
14S18E32D001MX	366766N1200377W001	FID	FD32D1	NKGSA	50.1	48.4	47.3	47.0	4.9	26.6	185.7	39.6	172.7	37.1	175.2	56.6	155.7
14S19E17C001MX	367205N1199257W001	FID	FD17C1	NKGSA	154.6	153.1	152.1	151.8	106.8	149.0	100.9	153.5	96.4	151.0	98.9	156.0	93.9
14S19E33D001MX	366771N1199160W001	FID	FD33D1	NKGSA	148.9	147.0	145.8	145.4	102.0			156.0	86.0	152.5	87.0	163.5	76.0
14S20E10M001MX	367282N1197866W001	COF	FC003	NKGSA	182.1	179.0	176.9	176.2	164.1	178.3	110.0	184.8	103.5	186.0	105.4	195.4	96.0
14S20E14L001MX		COF	FC036	NKGSA	193.2	190.4	188.5	187.9	169.1	189.3	98.8	188.1	100.0	192.8	95.3	195.4	92.7
14S21E06Q001MX	367378N1197250W001	COF	FC077	NKGSA	188.6	182.2	177.9	176.5	151.7	203.7	108.4	208.9	103.2	203.7	105.9	208.3	101.3
14S21E11L001MX		FID	FD11N1	NKGSA	248.5	246.2	244.7	244.2	225.7	245.3	88.9	249.9	86.9	246.8	87.4	251.8	82.4
15S19E02M001MX	366555N1198807W002	FID	FD03J1	NKGSA	126.4	122.7	120.2	119.4	79.2	112.6	130.3	120.1	122.8	120.6	122.3	130.6	112.3
15S19E14M001MX	366246N1198802W001	FID	FD14M1	NKGSA	97.9	94.9	92.9	92.2	56.9	67.8	173.5	87.3	154.0	84.3	157.0	90.3	151.0
15S20E07Q001MX	366359N1198359W001	FID	FD07P1	NKGSA	128.4	124.4	121.8	121.0	76.5	122.4	129.8			128.9	123.3	135.9	116.3
15S20E13E001MX	366282N1197529W001	FID	FD13E2	NKGSA	183.8	179.9	177.3	176.5	142.5	178.1	104.0	182.1	100.0	183.6	98.5	188.1	94.0
367556N1196666W001	367556N1196666W001	FID	13S21E34J002M	NKGSA	251.3	245.3	241.4	240.1	217.2	264.0	76.5			266.0	74.5	269.5	71.0
367638N1200057W001	367638N1200057W001	FID	13S18E34D001M	NKGSA	155.2	152.5	150.7	150.1	87.3	142.3	106.5	135.8	113.0	139.0	108.5	149.0	98.5
368093N1199988W001	368093N1199988W001	FID	13S18E10P001M	NKGSA	171.7	169.4	167.8	167.4	126.0	170.5	90.2	171.5	89.2	167.9	92.5		
368377N1196479W001	368377N1196479W001	FID	12S21E35Q001M	NKGSA	313.7	310.7	308.7	308.1	296.4	312.6	82.5	315.1	80.0	315.5	79.6	317.4	77.7
368571N1197002W001	368571N1197002W001	FID	FC29K1	NKGSA	295.3	289.7	286.0	284.8	263.2	296.5	85.0	293.5	88.0	299.0	82.5	302.8	78.8
368572N1195413W001	368572N1195413W001	FID	FC26L1	NKGSA	449.6	445.7	443.2	442.4	426.4					459.1	28.5	462.9	24.8
368683N1196185W001*	368683N1196185W001	FID	FC19N1	NKGSA	393.5	390.1	387.9	387.2	364.8	395.6	45.0	371.1	69.5	398.1	42.5	401.6	39.0
CID10	366921N1195474W001	CID	10	SKGSA	315.9	314.1	312.9	312.6	288.9	312.5	54.1	311.8	54.8	311.9	54.3	316.4	49.8
CID12	366631N1195743W001	CID	12	SKGSA	268.3	259.7	254.0	252.2	216.3	269.8	73.6	279.1	64.3	267.9	73.1	284.7	56.3

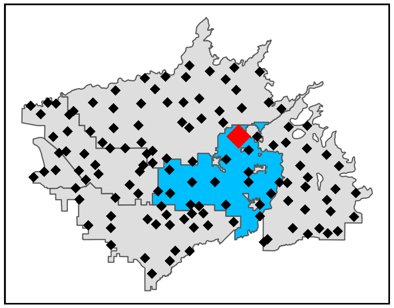
Unique Well ID	Site Code	Measuring Agency	Local Well ID	GSA	IM_Elev_2025	IM_Elev_2030	IM_Elev_2035	MO_Elev	MT_Elev	WSE Fall '22	DTW Fall '22	WSE Sp. '22	DTW Sp. '22	WSE Fall '21	DTW Fall '21	WSE Sp. '21	DTW Sp. '21
CID16	366339N1196479W001	CID	16	SKGSA	238.2	234.0	231.2	230.3	214.2	230.1	89.9	237.1	82.9	236.6	82.2	245.8	73.0
CID25	366015N1195750W001	CID	25	SKGSA	253.6	248.8	245.5	244.5	202.8	245.8	83.4	253.0	76.2	251.5	75.8	260.9	66.4
CID34*	365183N1195396W001	CID	34	SKGSA	237.1	233.0	230.3	229.5	196.9	232.2	69.8	237.7	64.3	233.8	63.0	240.1	56.7

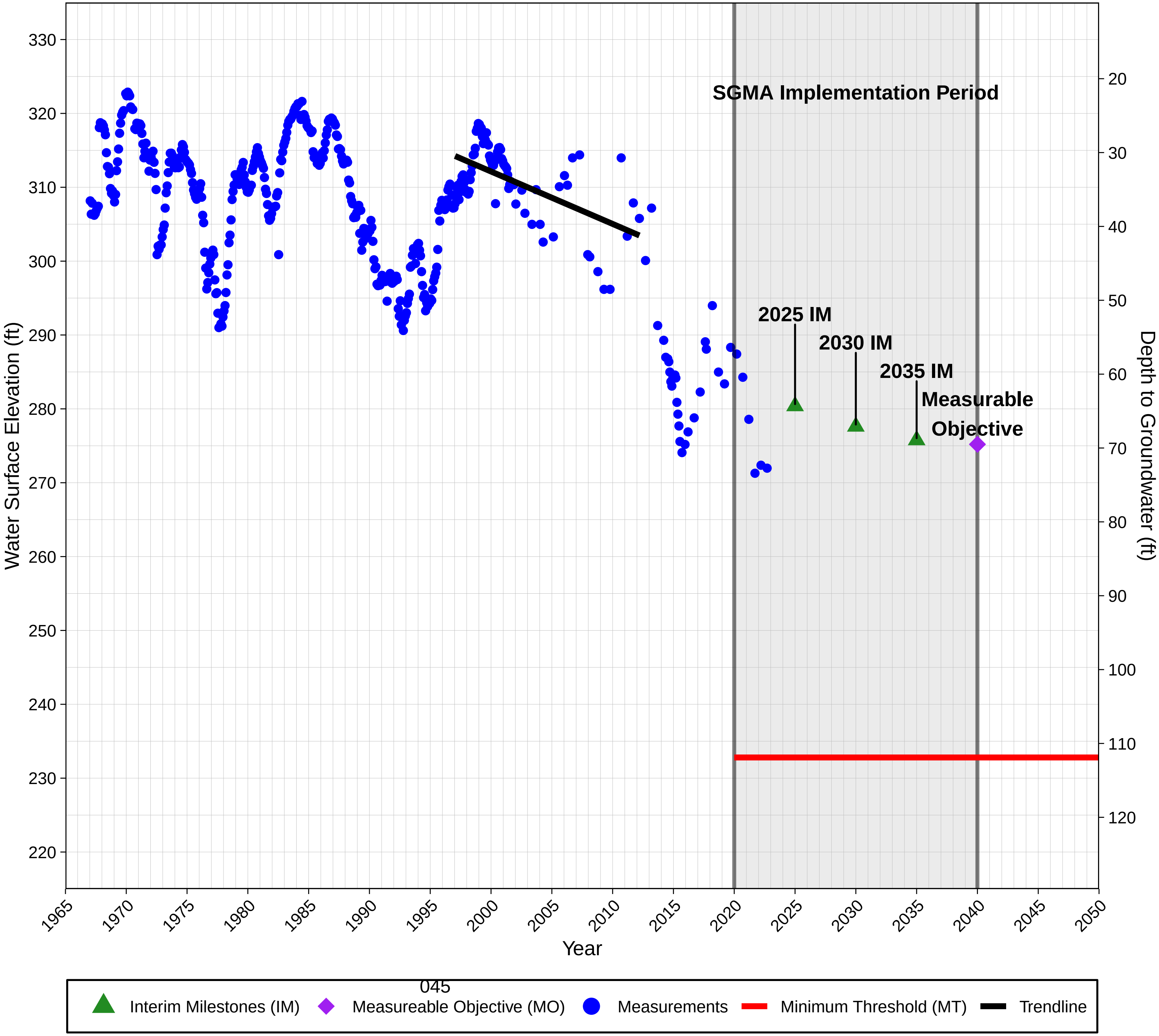
* = Historic Water Level data, Measurable Objectives, Minimum Thresholds and Interim Milestones for these wells adjusted based on 2022 well elevation survey.

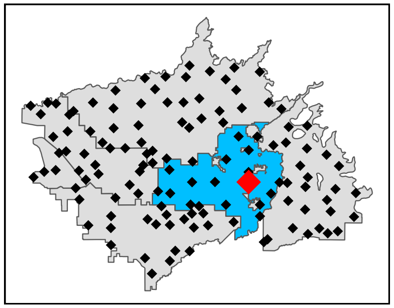
CID = Consolidated Irrigation District
JID = James Irrigation District
OCID = Orange Cove Irrigation Dsitrict
AID = Alta Irrigation District
KRWD = Kings River Water District
FID = Fresno Irrigation District
MAGSA = McMullin Area GSA
LWD = Liberty Water District
NFKGSA = North Fork Kings GSA
LID = Laguna Irrigation Distrcit
COF = City of Fresno

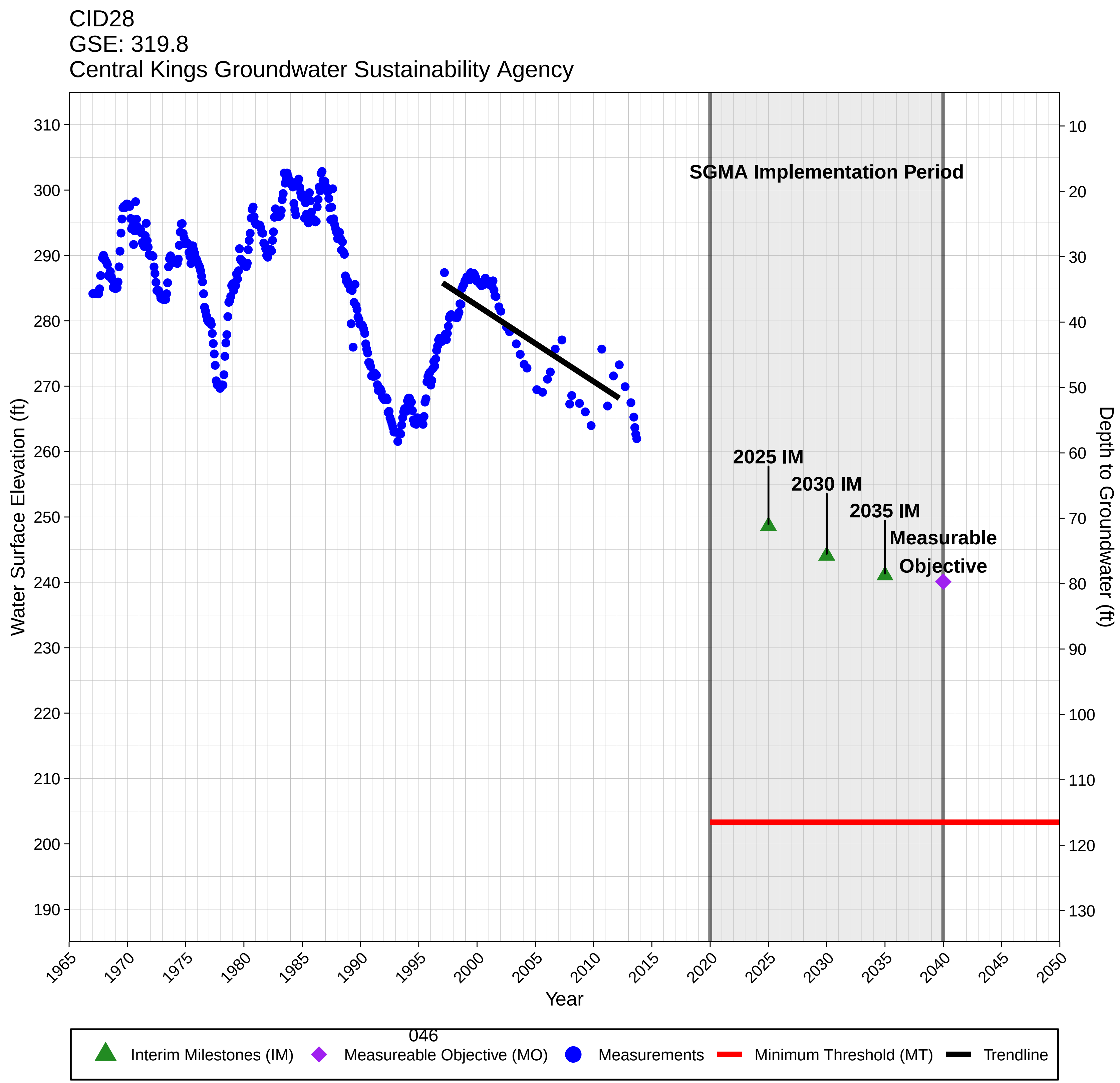
Appendix C – Groundwater Indicator Well Hydrographs

CID06
GSE: 344.7
Central Kings Groundwater Sustainability Agency

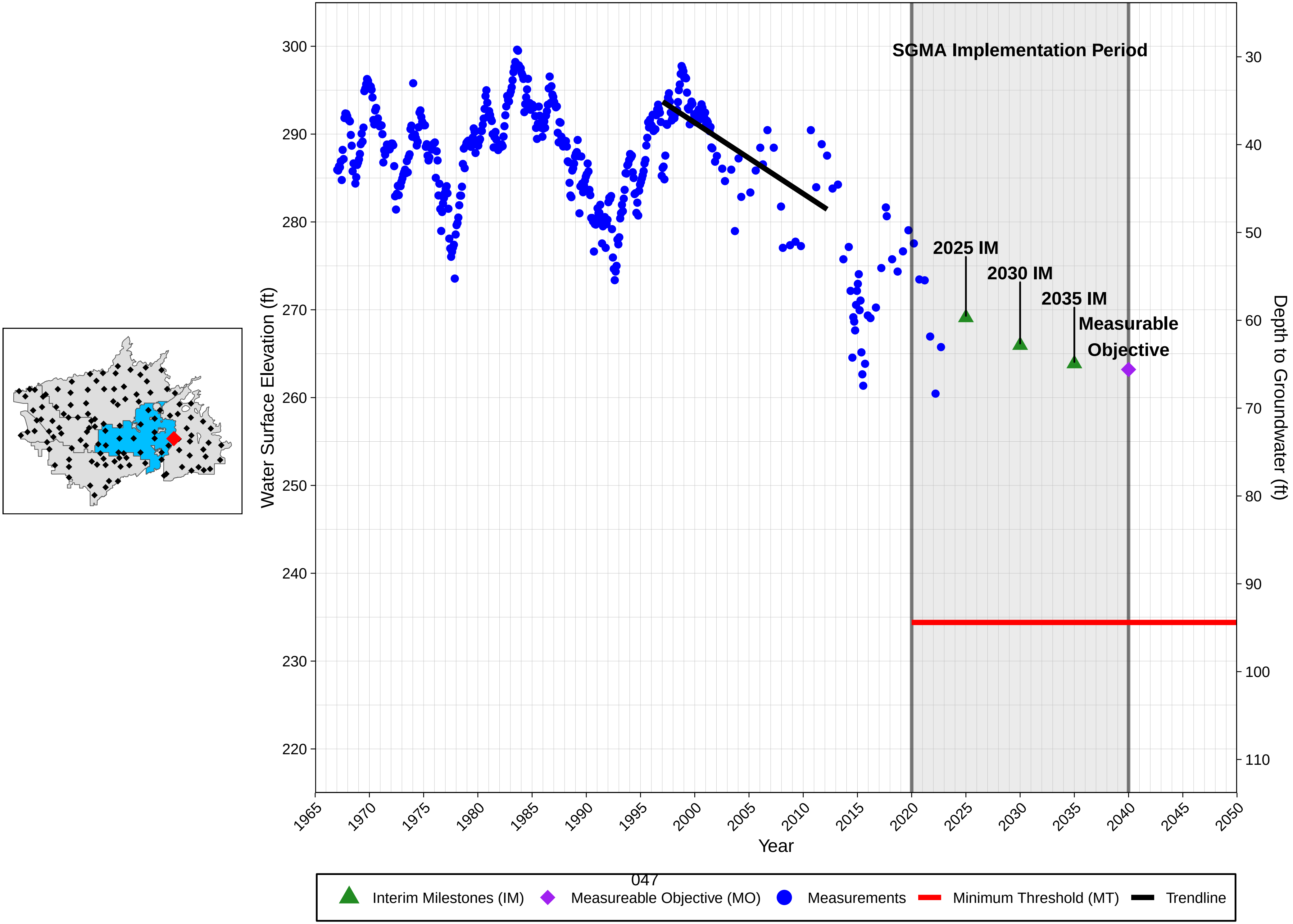




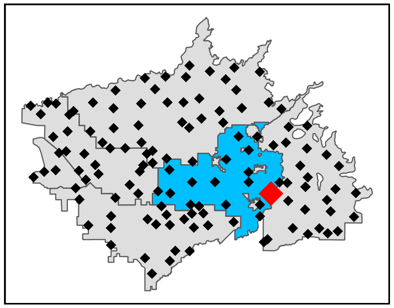


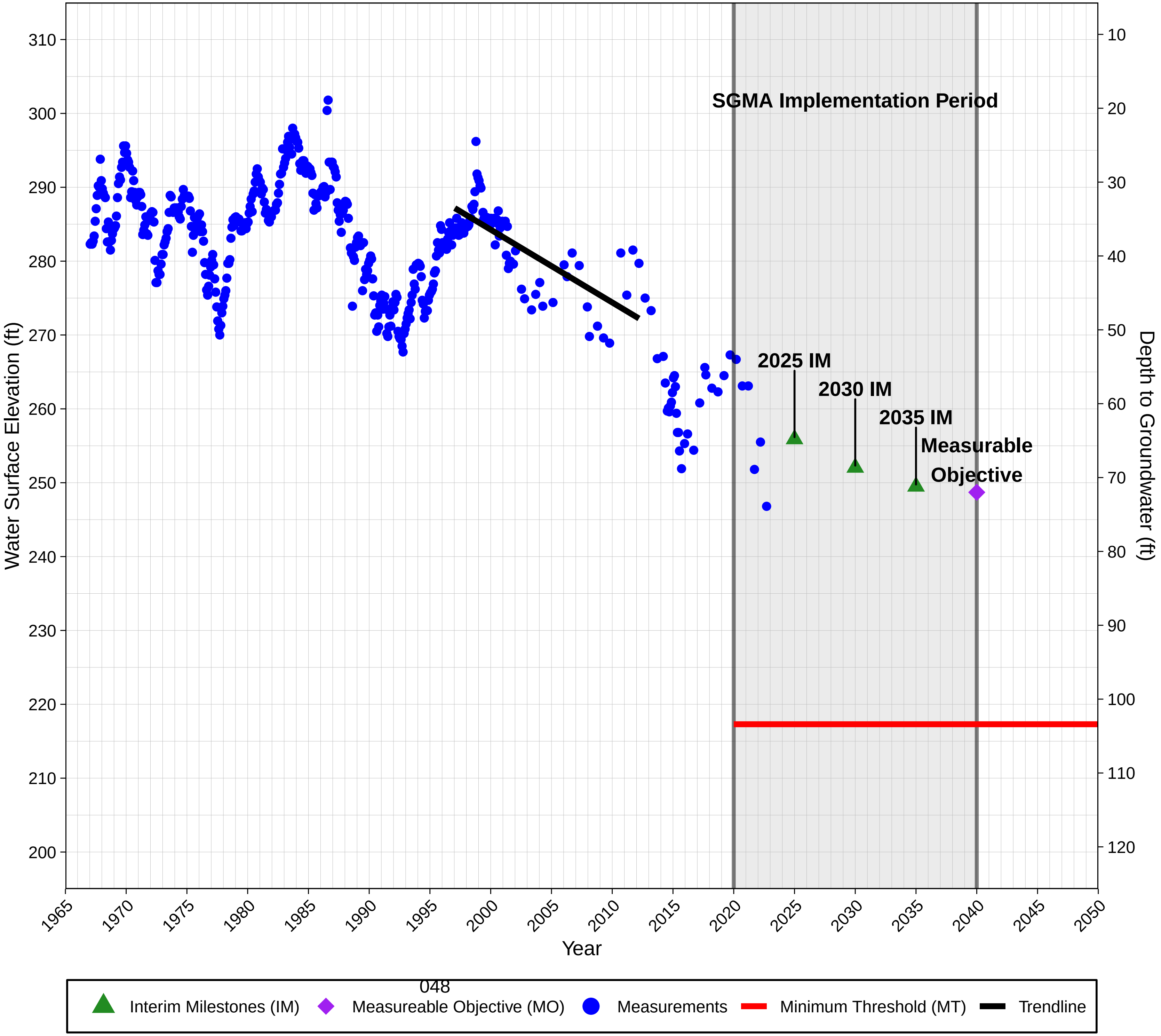

CID28
GSE: 319.8
Central Kings Groundwater Sustainability Agency
SGMA Implementation Period
2025 IM
2030 IM
2035 IM
Measurable
Objective
Water Surface Elevation (ft)
Depth to Groundwater (ft)
Year
Interim Milestones (IM)
Measureable Objective (MO)
Measurements
Minimum Threshold (MT)
Trendline

CID31
GSE: 328.8
Central Kings Groundwater Sustainability Agency

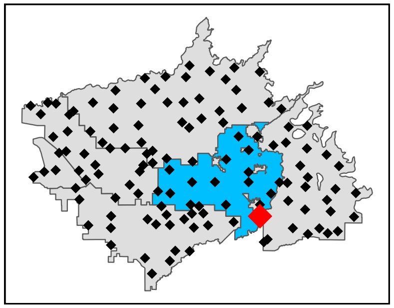


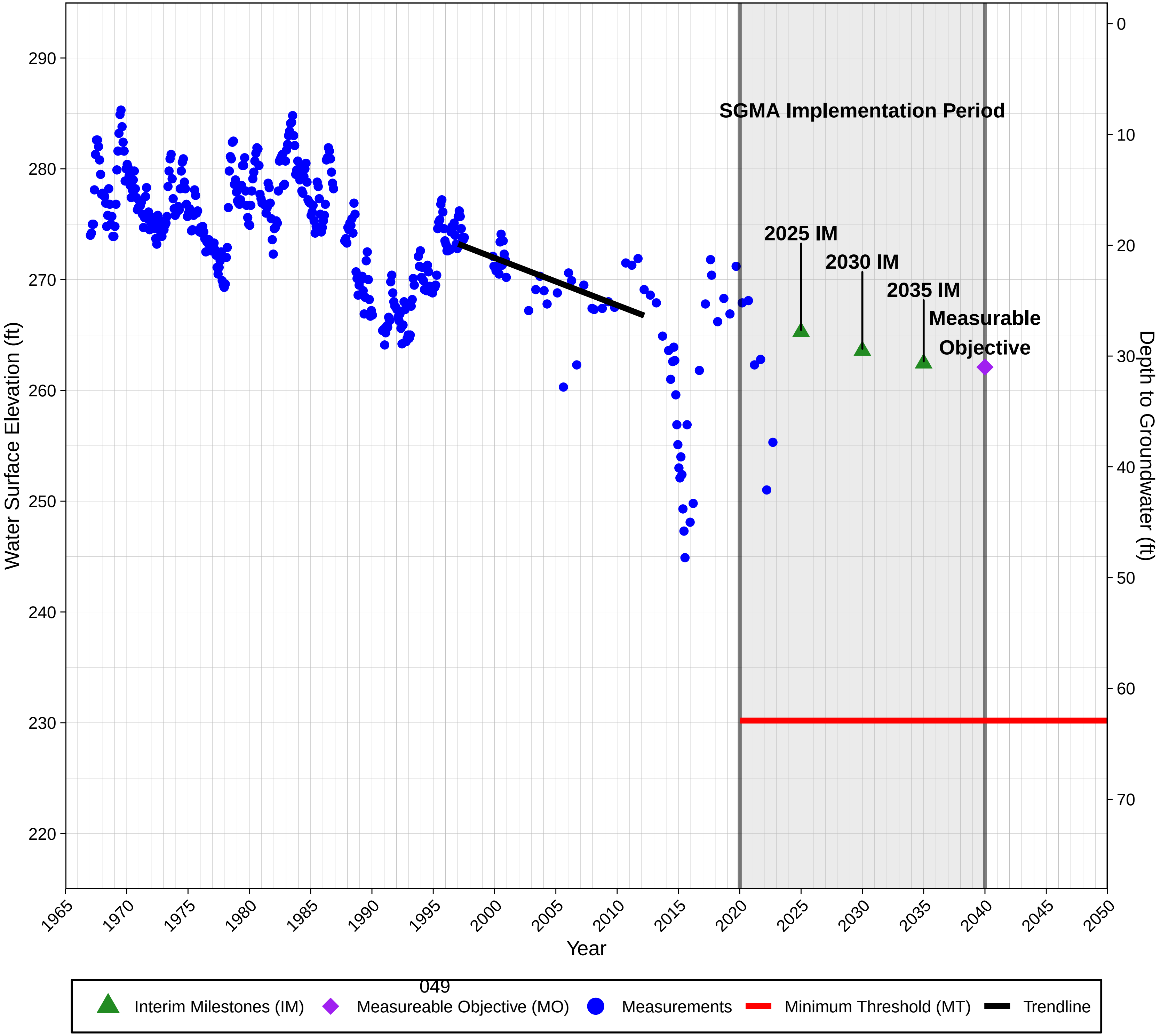
CID32
GSE: 320.7
Central Kings Groundwater Sustainability Agency



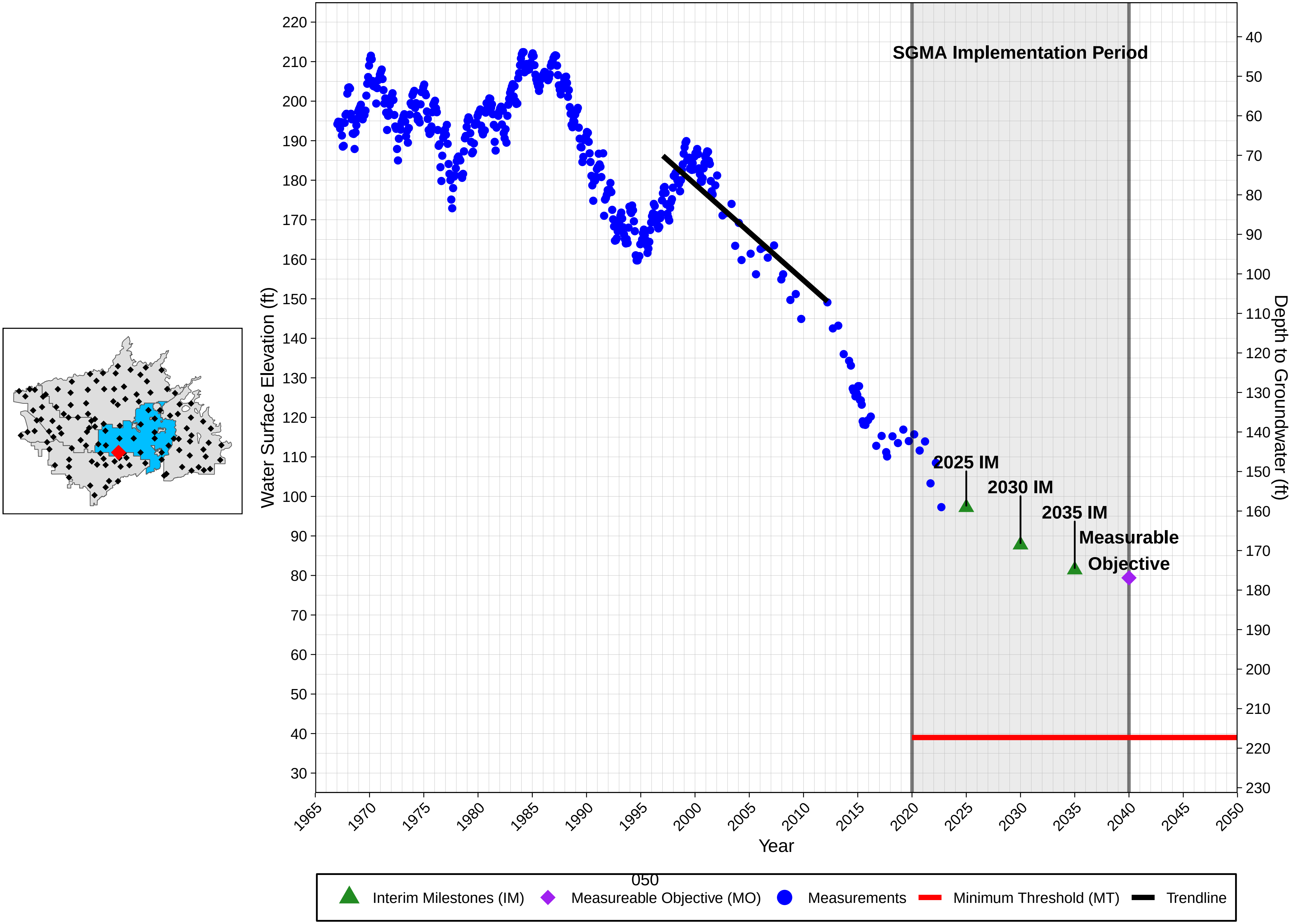


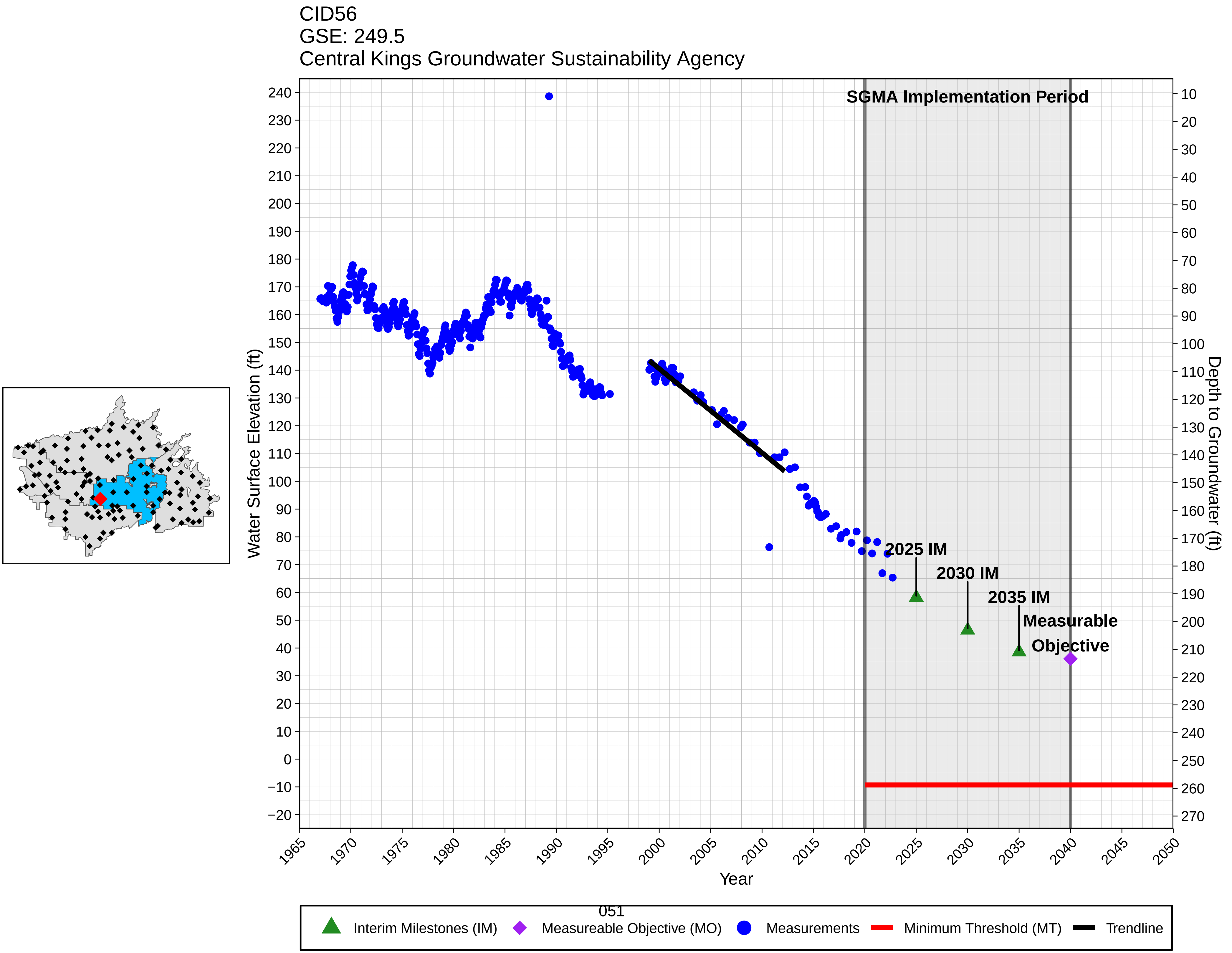
CID41
GSE: 293.1
Central Kings Groundwater Sustainability Agency





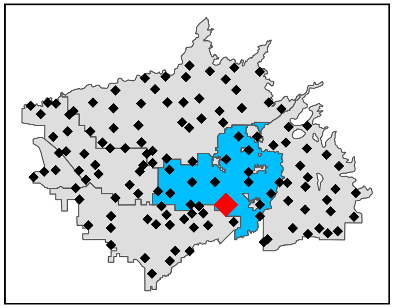
CID48
GSE: 256.3
Central Kings Groundwater Sustainability Agency

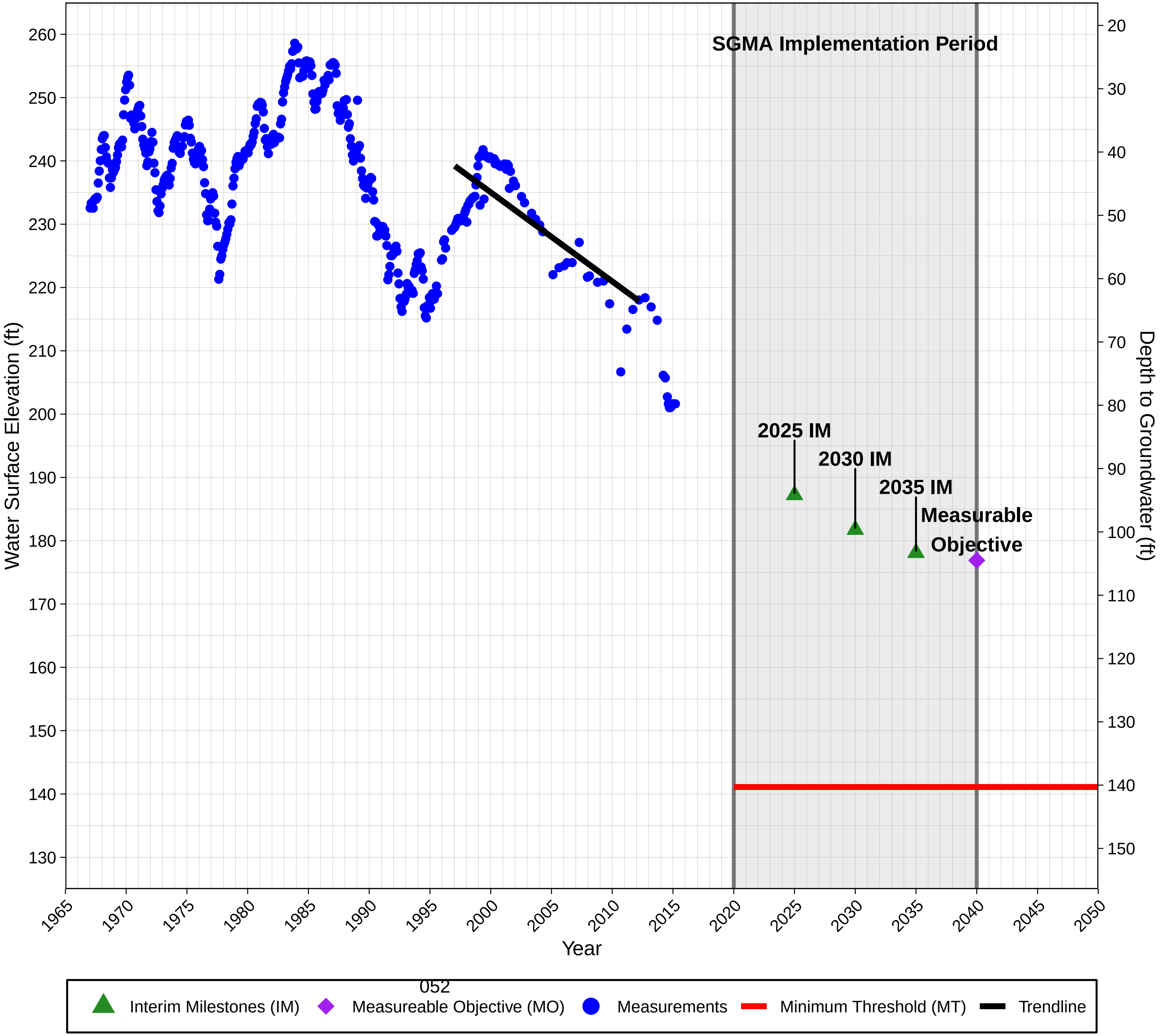


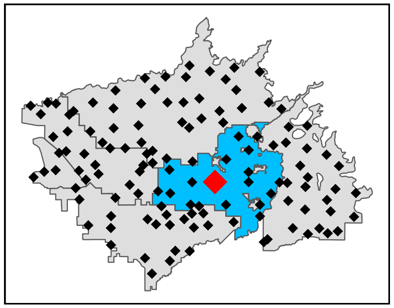


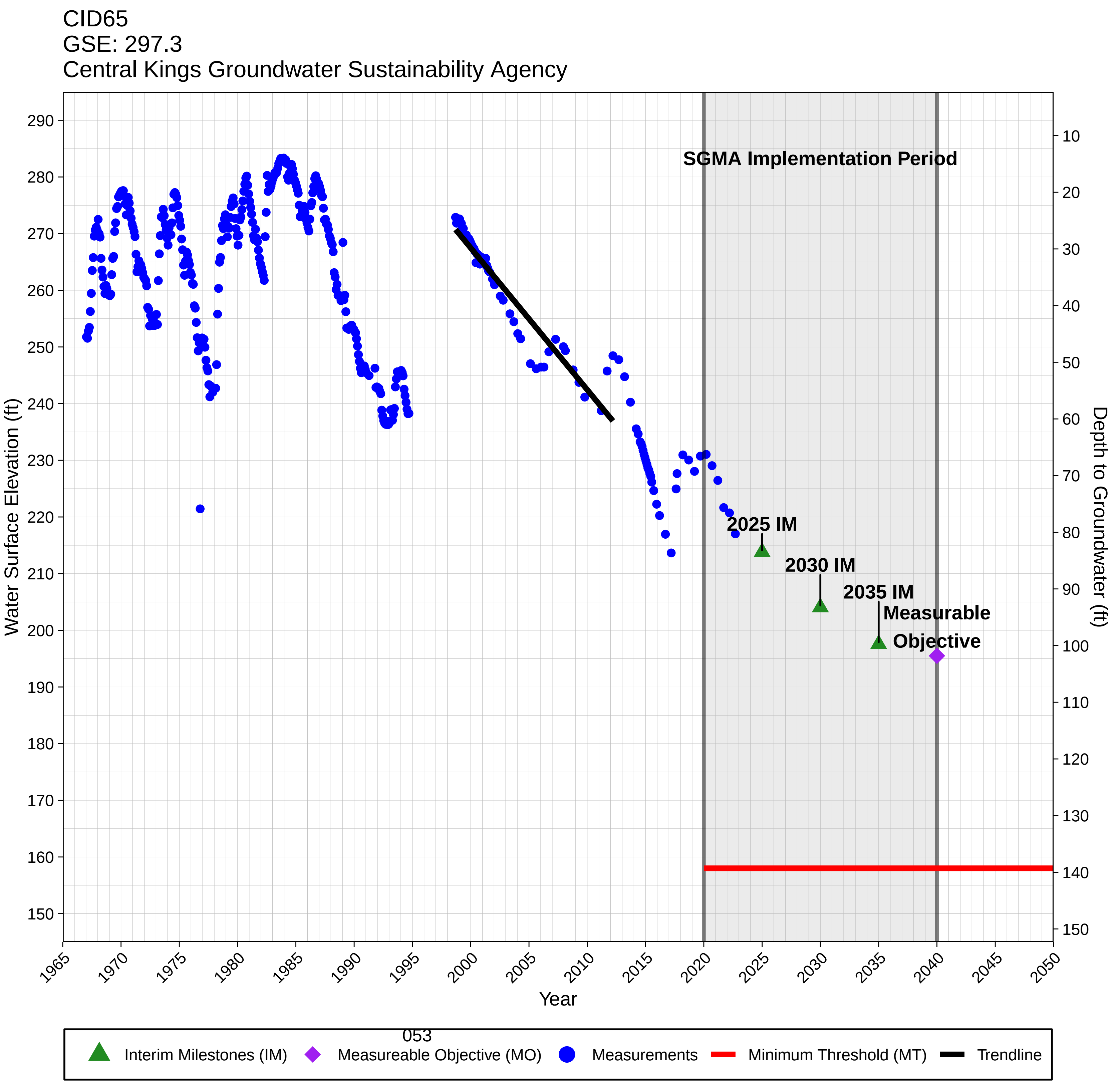
CID56
GSE: 249.5
Central Kings Groundwater Sustainability Agency
SGMA Implementation Period
2025 IM
2030 IM
2035 IM
Measurable Objective
Water Surface Elevation (ft)
Depth to Groundwater (ft)
Year
Interim Milestones (IM)
Measureable Objective (MO)
Measurements
Minimum Threshold (MT)
Trendline

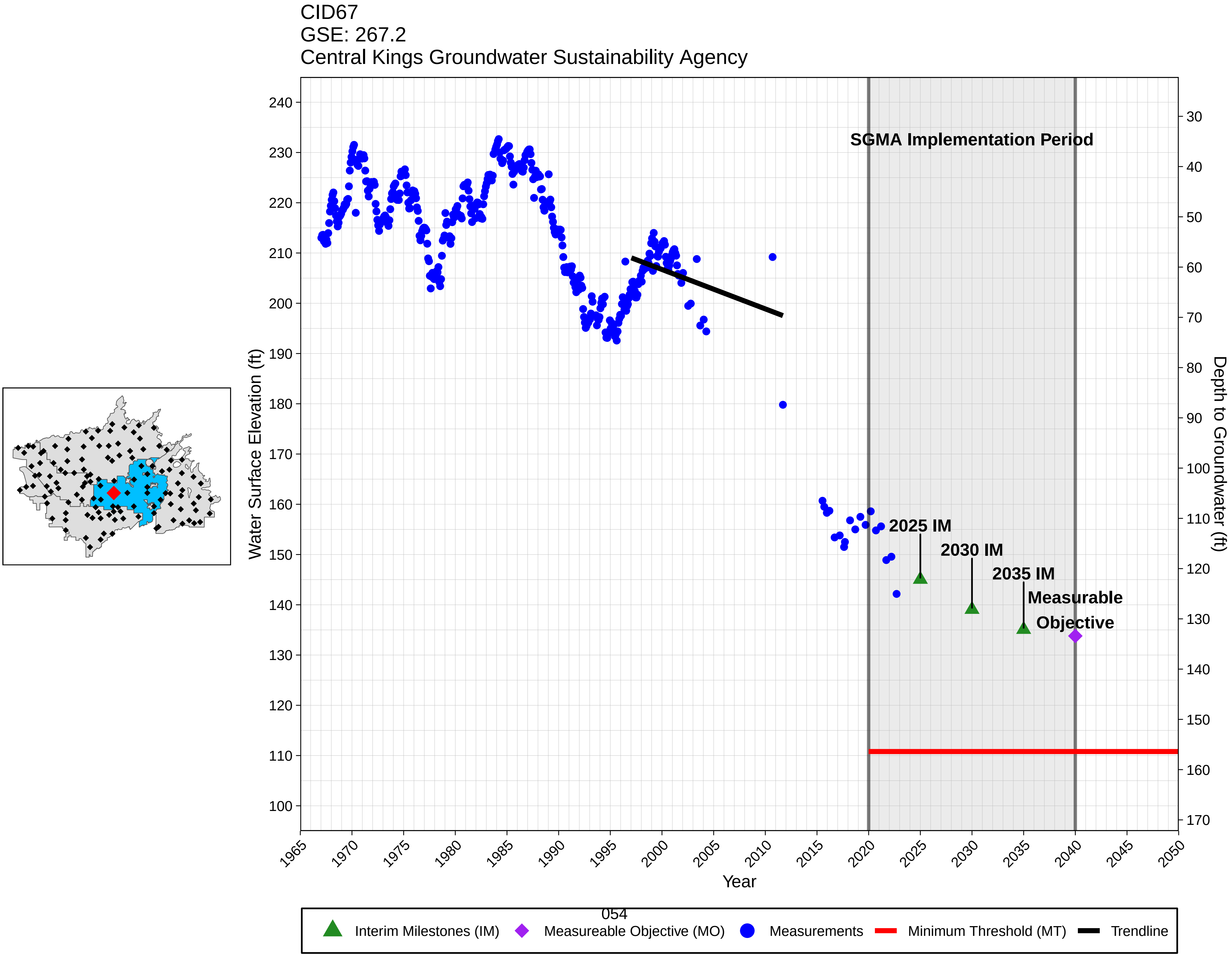
CID62
GSE: 281.4
Central Kings Groundwater Sustainability Agency





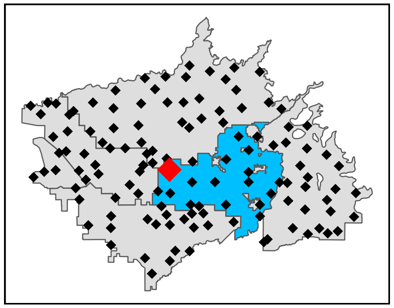


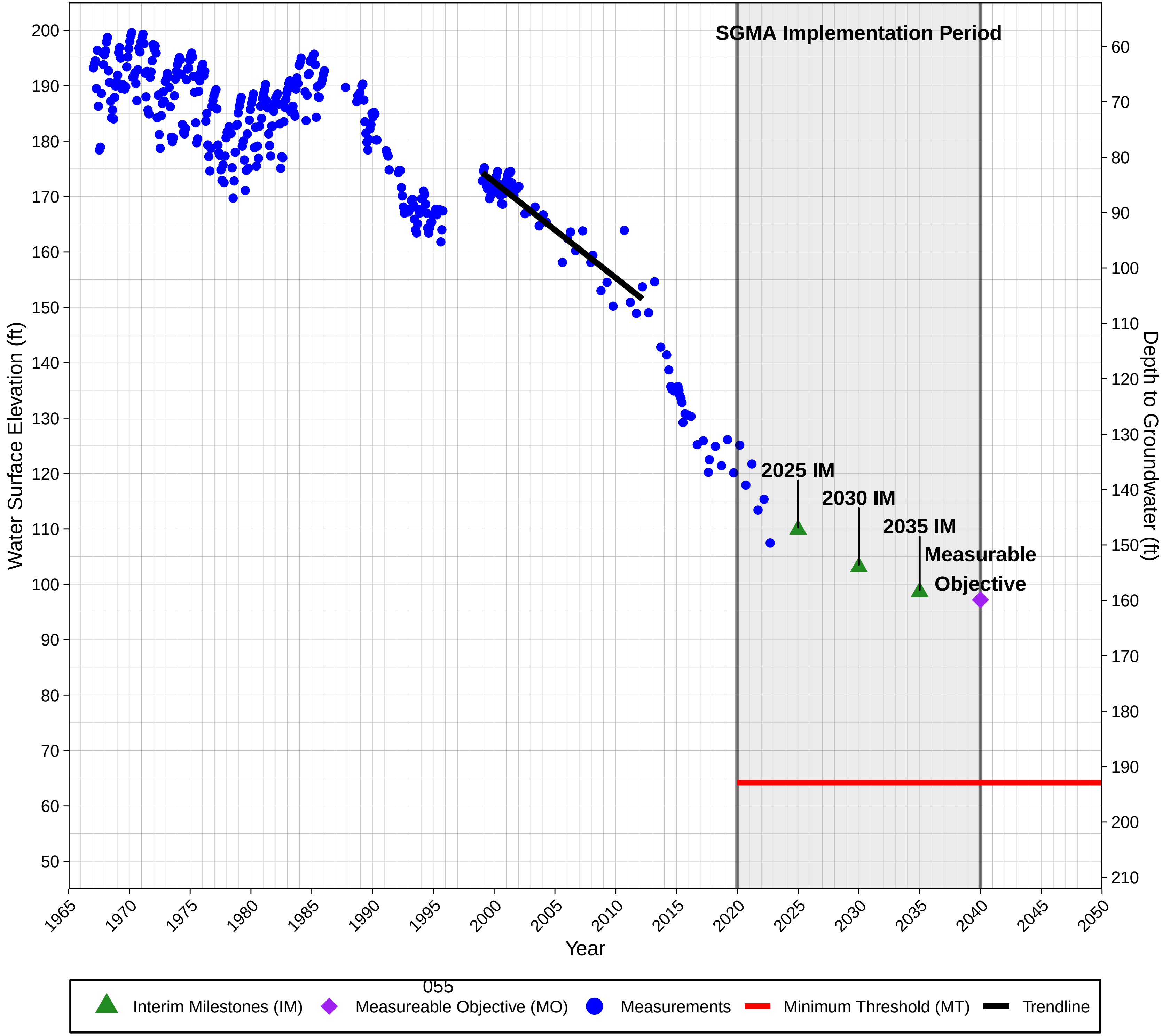

CID65
GSE: 297.3
Central Kings Groundwater Sustainability Agency
SGMA Implementation Period
2025 IM
2030 IM
2035 IM
Measurable Objective
Water Surface Elevation (ft)
Depth to Groundwater (ft)
Year
Interim Milestones (IM)
Measureable Objective (MO)
Measurements
Minimum Threshold (MT)
Trendline



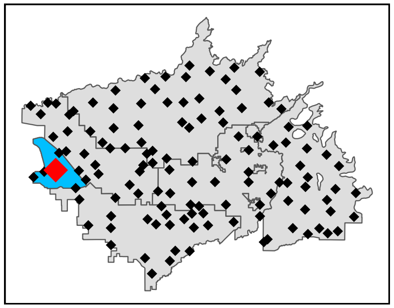
CID67
GSE: 267.2
Central Kings Groundwater Sustainability Agency
SGMA Implementation Period
2025 IM
2030 IM
2035 IM
Measurable Objective
Water Surface Elevation (ft)
Depth to Groundwater (ft)
Year
Interim Milestones (IM)
Measureable Objective (MO)
Measurements
Minimum Threshold (MT)
Trendline

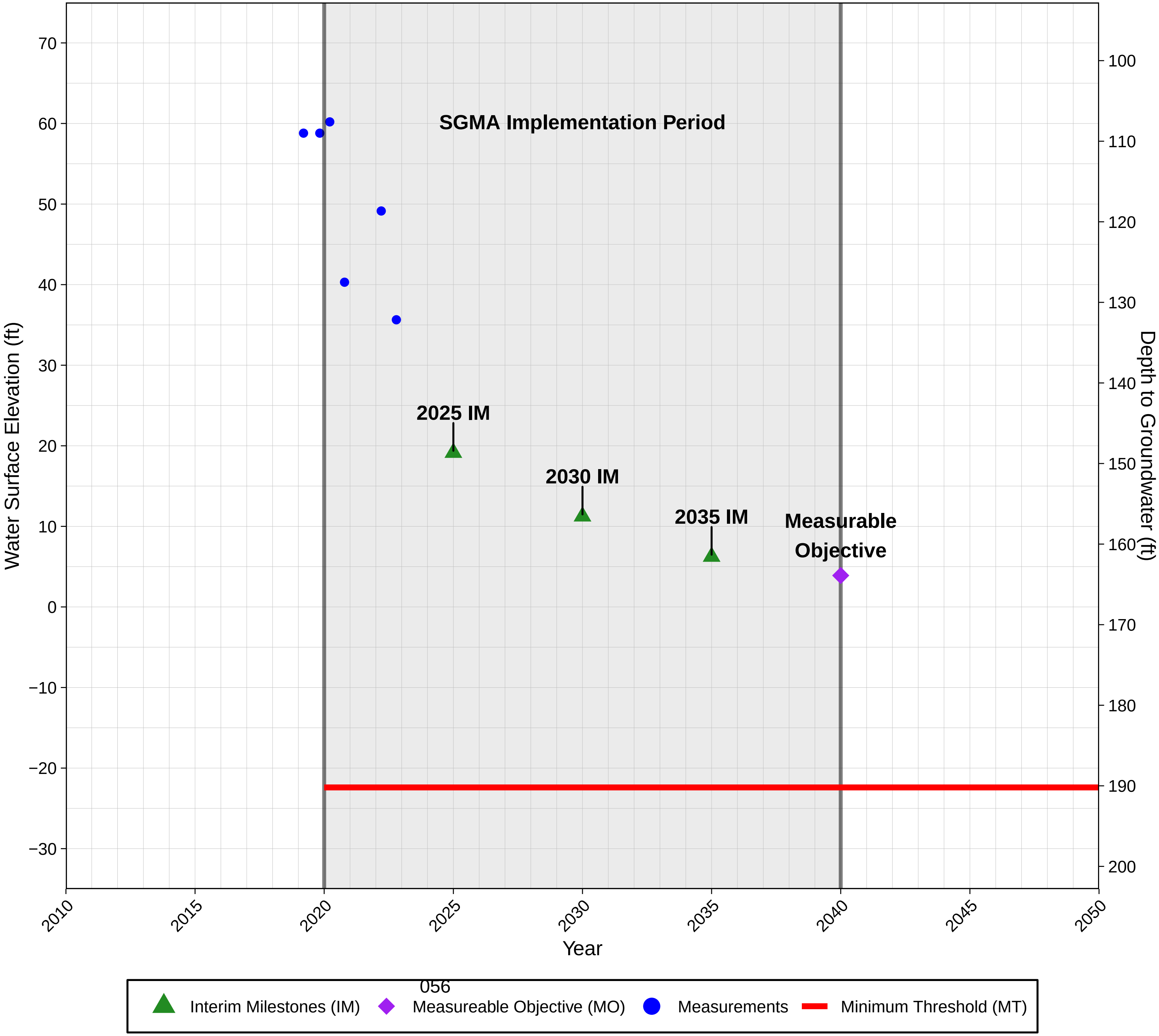
CID74
GSE: 257.1
Central Kings Groundwater Sustainability Agency



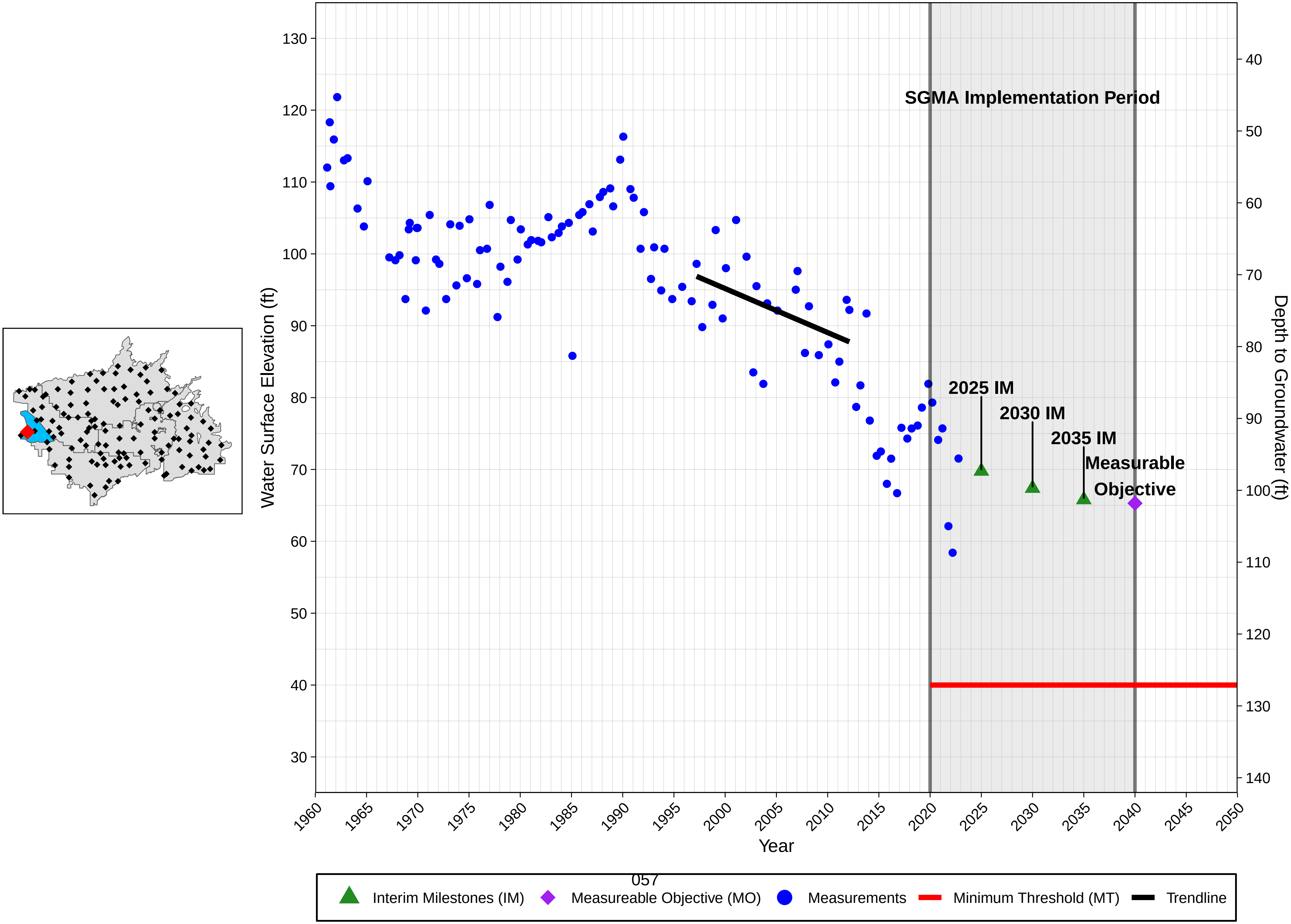


1010034−002
GSE: 167.8
James Irrigation District





15S16E28A003M
GSE: 167.1
James Irrigation District



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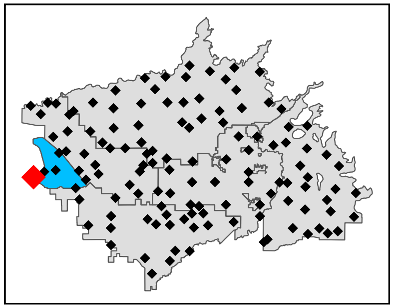
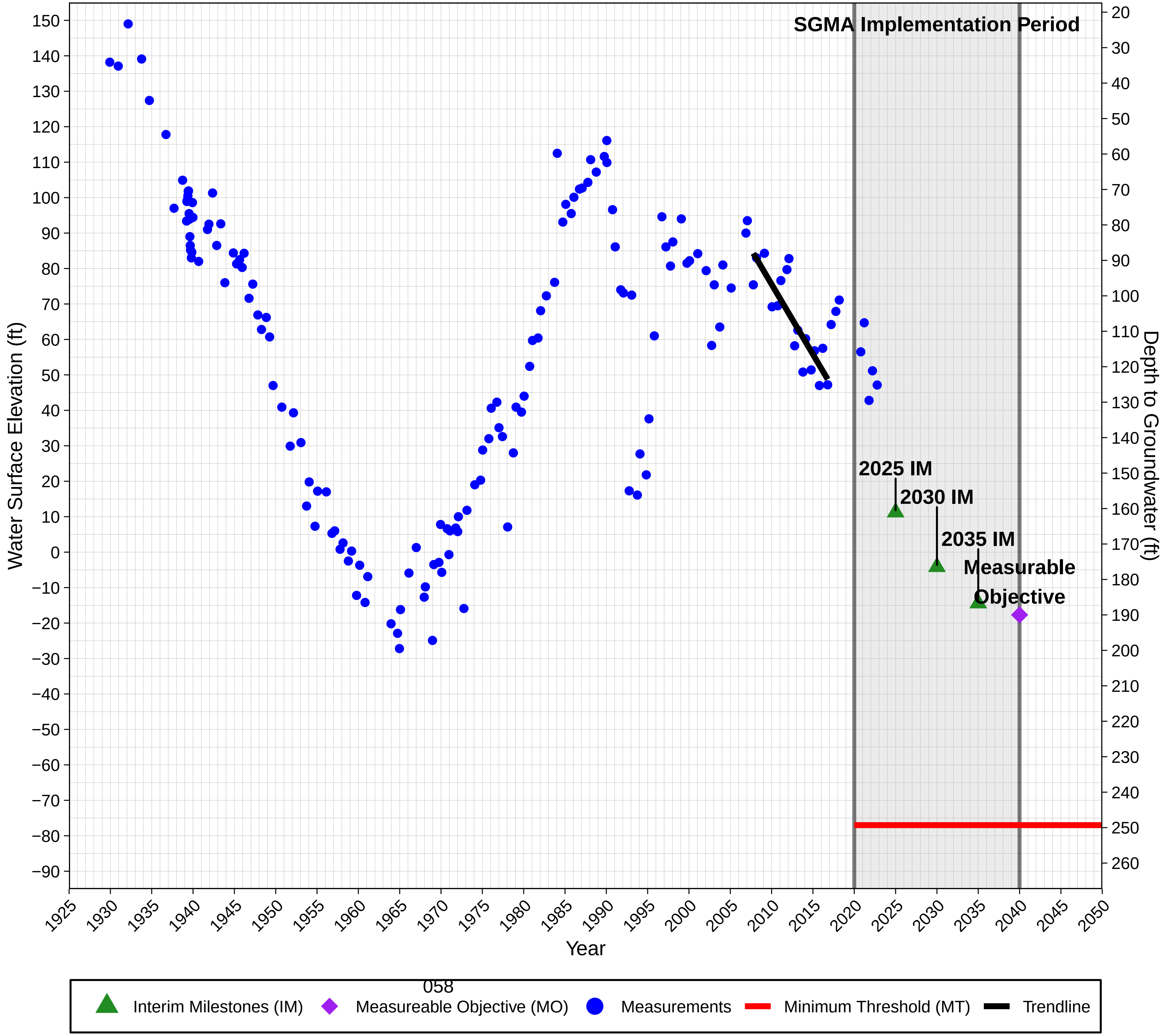
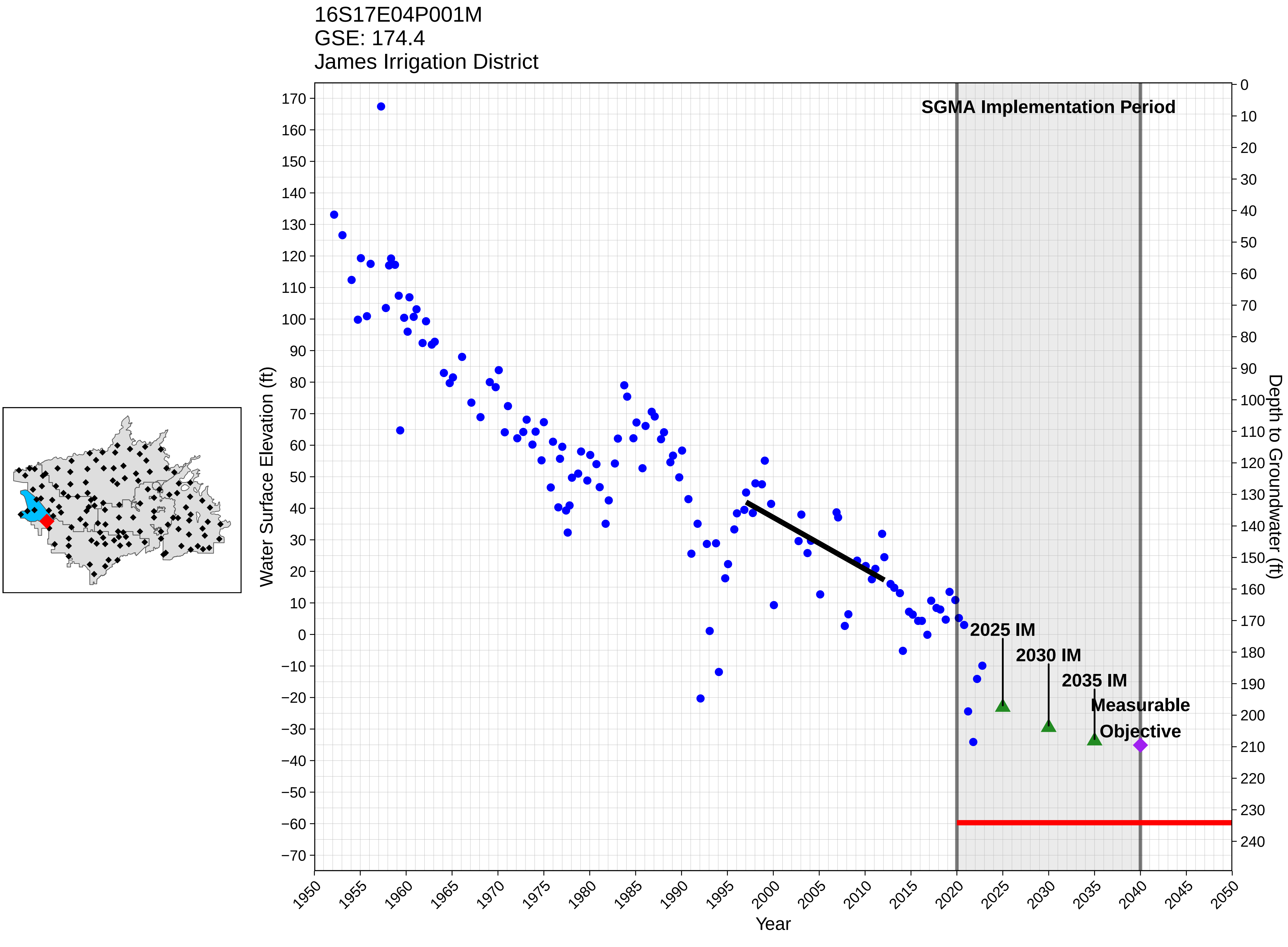
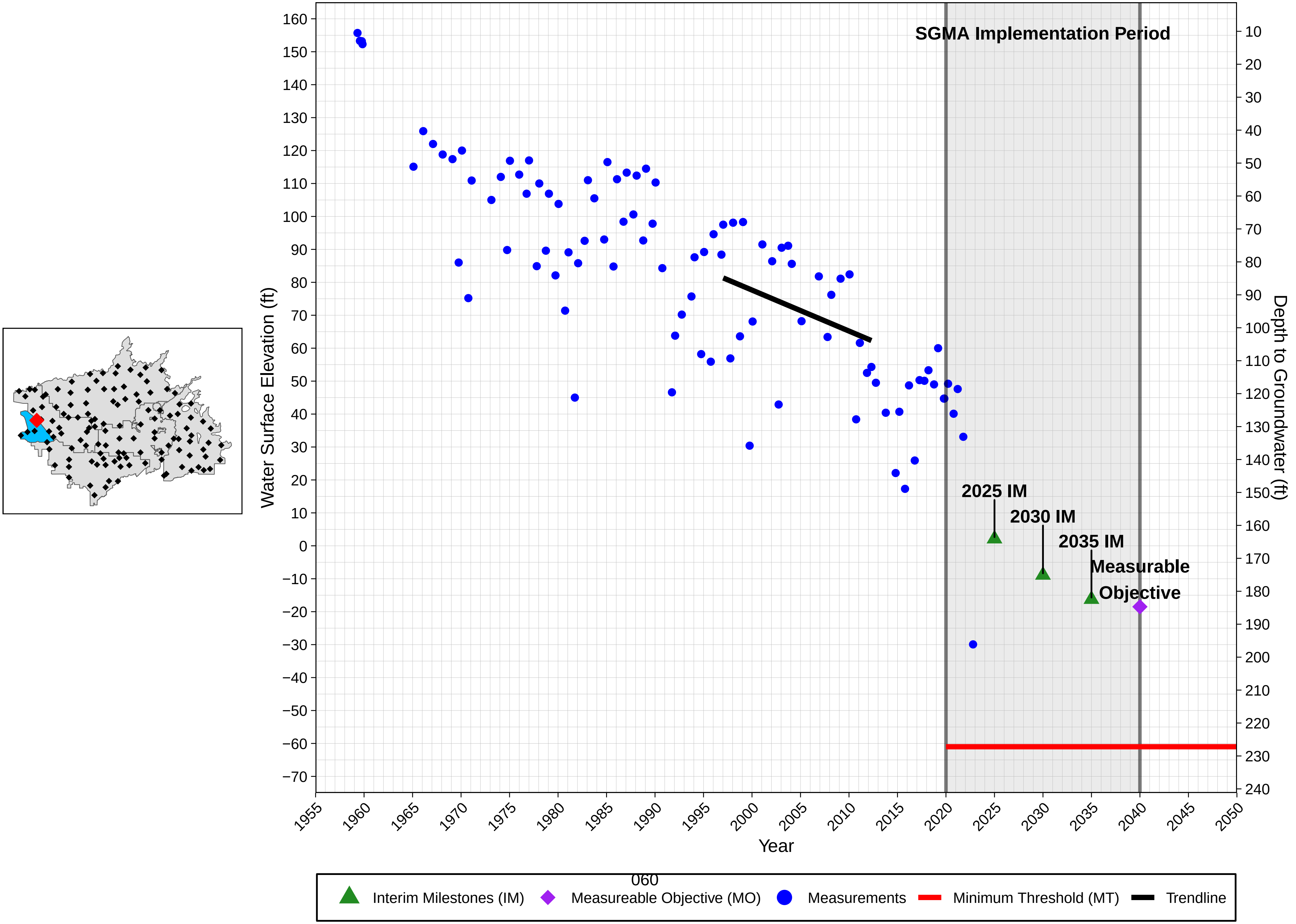
GSE: 172.3
James Irrigation District



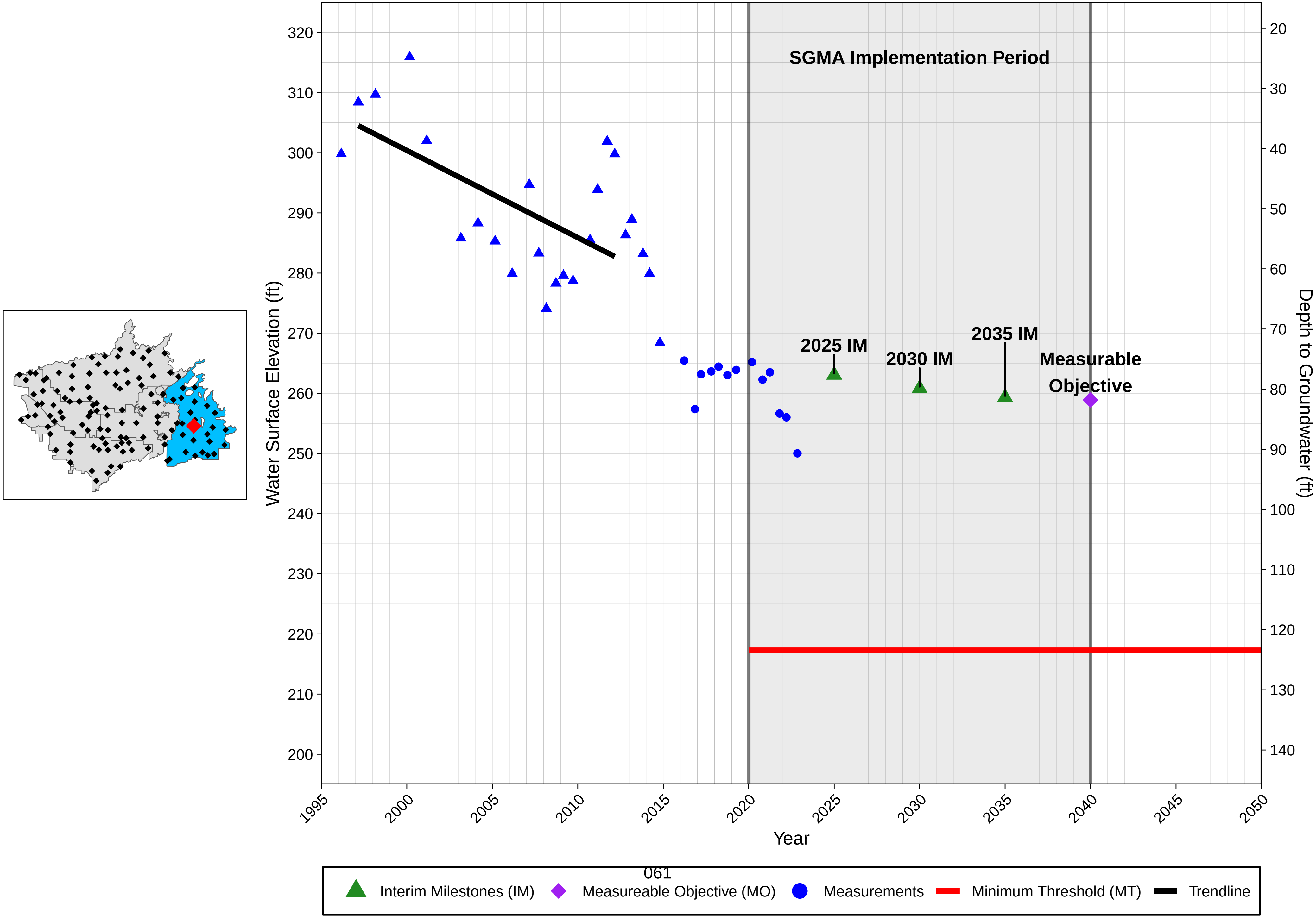



16S17E04P001M
GSE: 174.4
James Irrigation District
SGMA Implementation Period
2025 IM
2030 IM
2035 IM
Measurable Objective
Water Surface Elevation (ft)
Depth to Groundwater (ft)
Year
Interim Milestones (IM)
Measureable Objective (MO)
Measurements
Minimum Threshold (MT)
Trendline

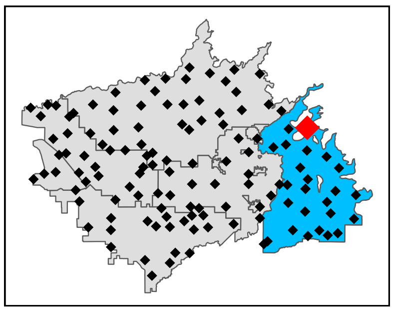
366502N1201782W001
GSE: 166.2
James Irrigation District

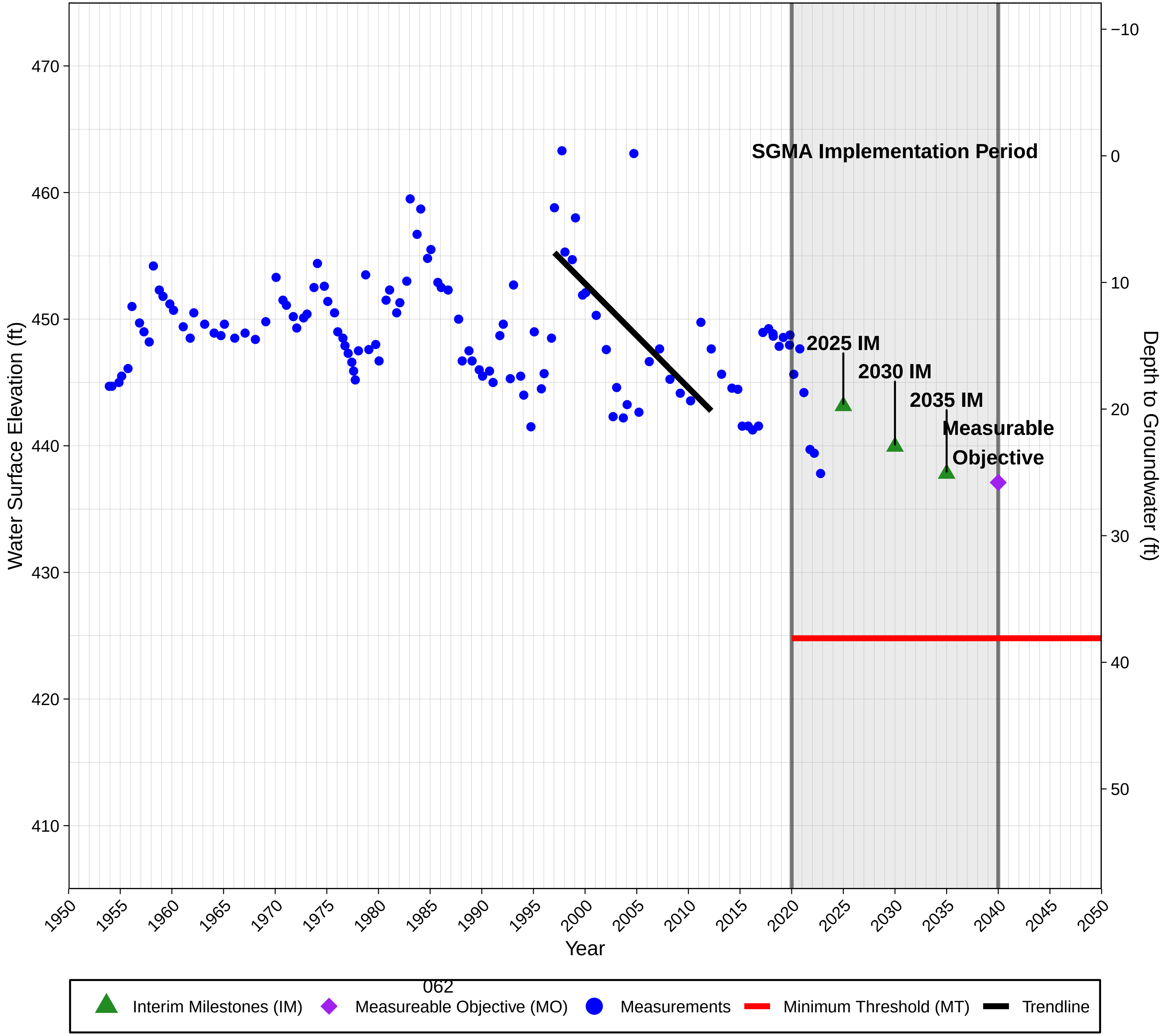


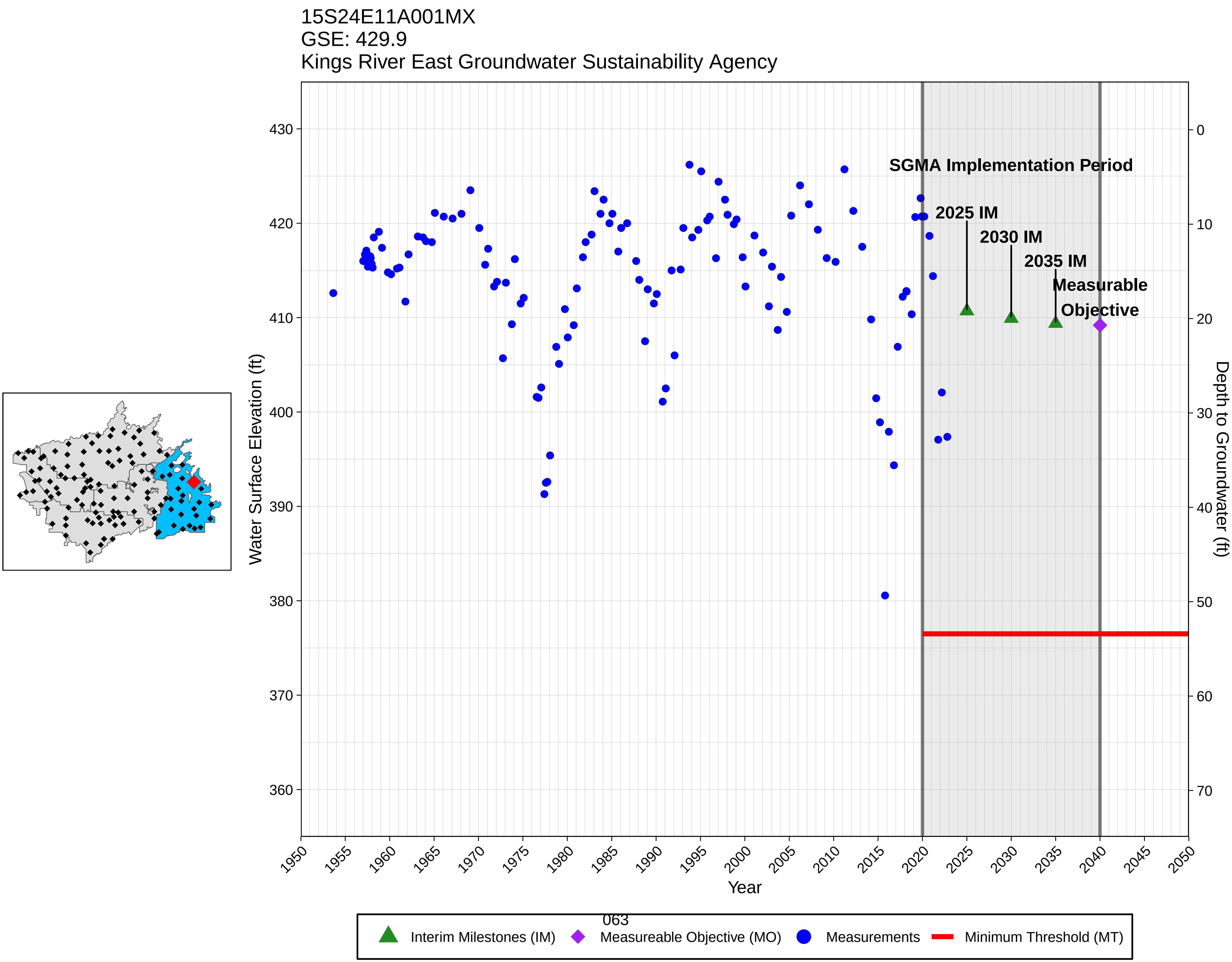
105B
GSE: 340.7
Kings River East Groundwater Sustainability Agency
Historical Well: M105A



14S24E17C001MX
GSE: 462.9
Kings River East Groundwater Sustainability Agency



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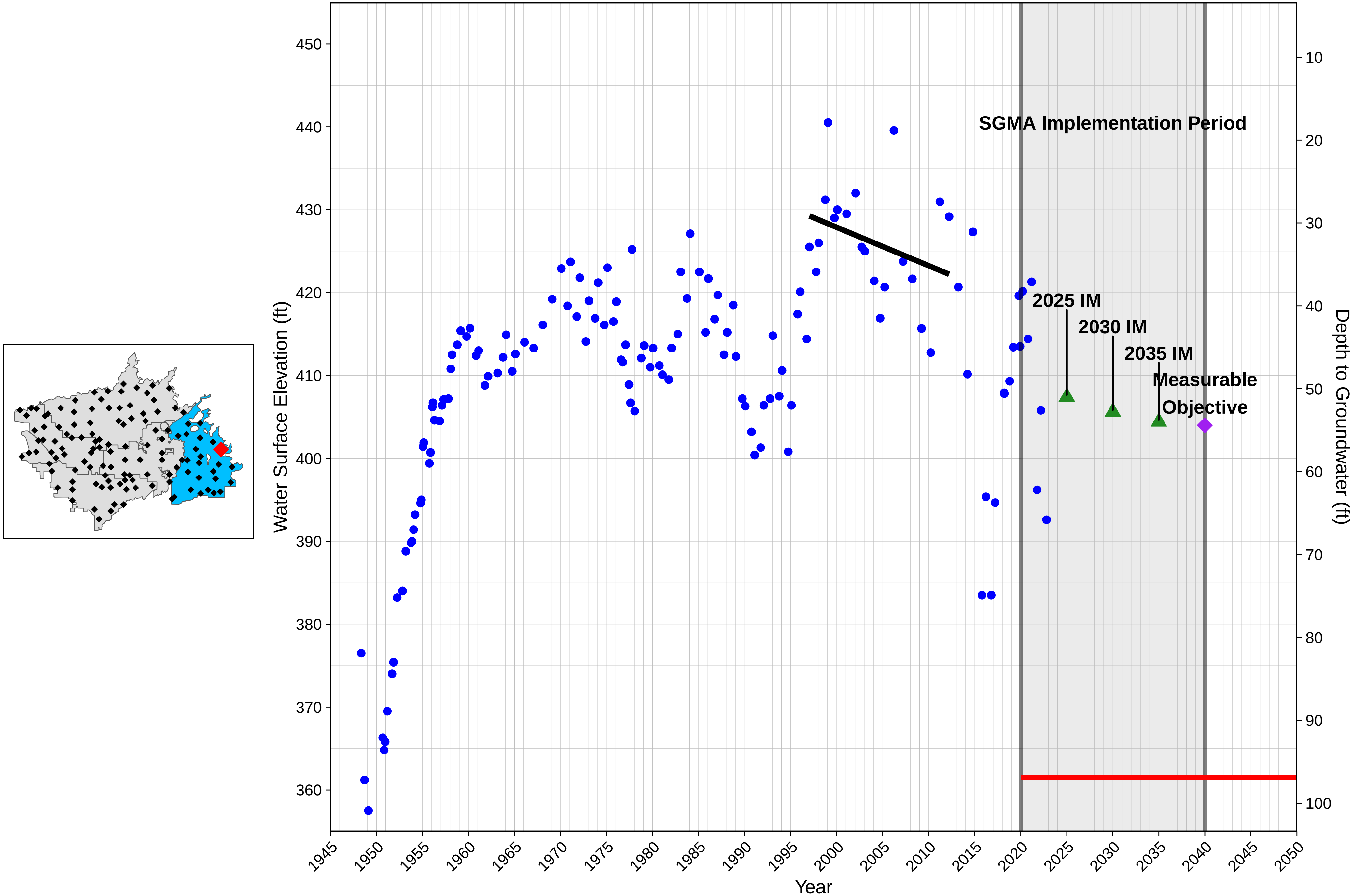
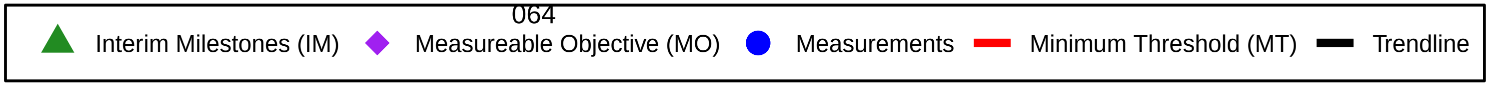
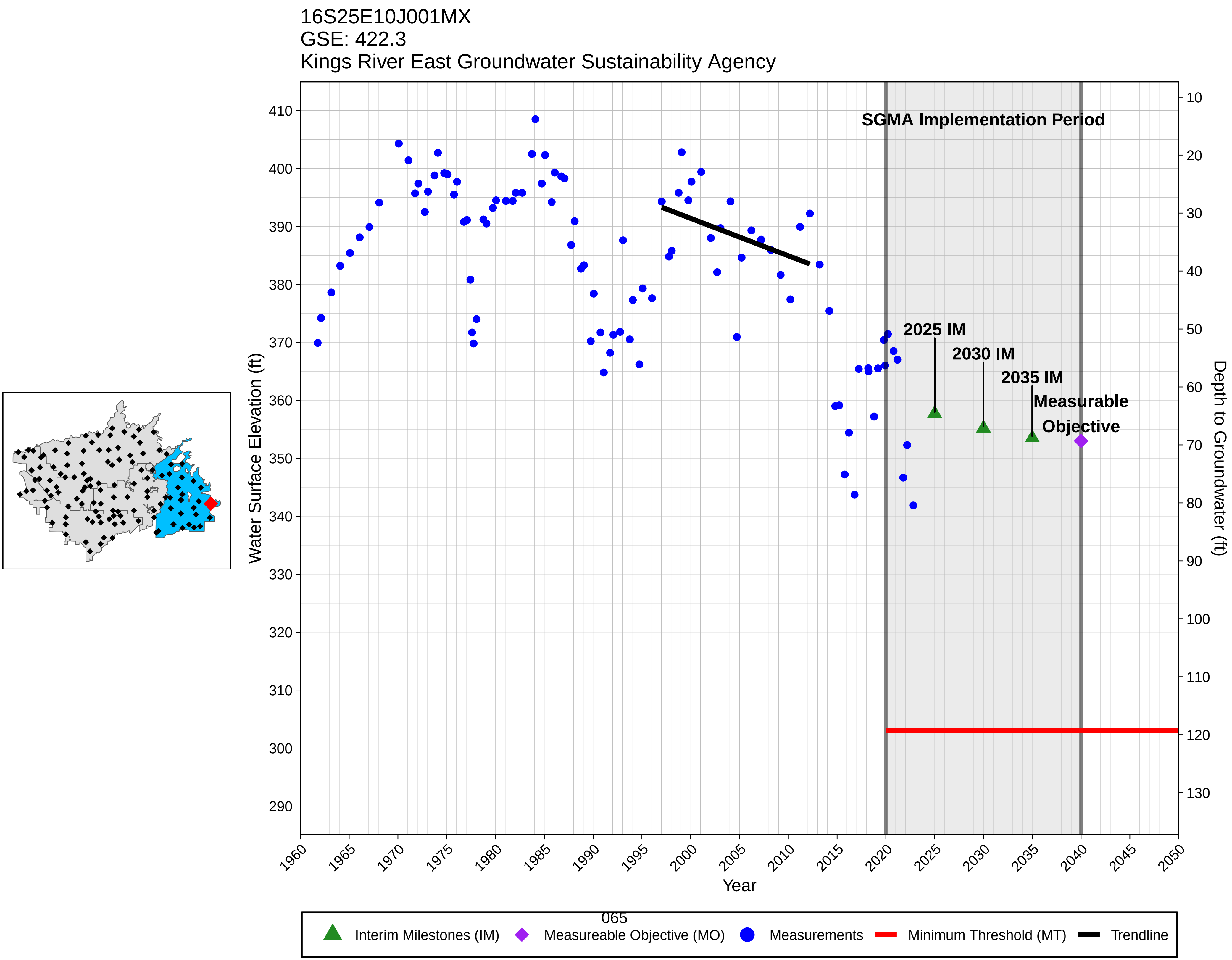
Kings River East Groundwater Sustainability Agency
SGMA Implementation Period
2025 IM
2030 IM
2035 IM
Measurable Objective
Water Surface Elevation (ft)
Depth to Groundwater (ft)
Year
Interim Milestones (IM)
Measureable Objective (MO)
Measurements
Minimum Threshold (MT)

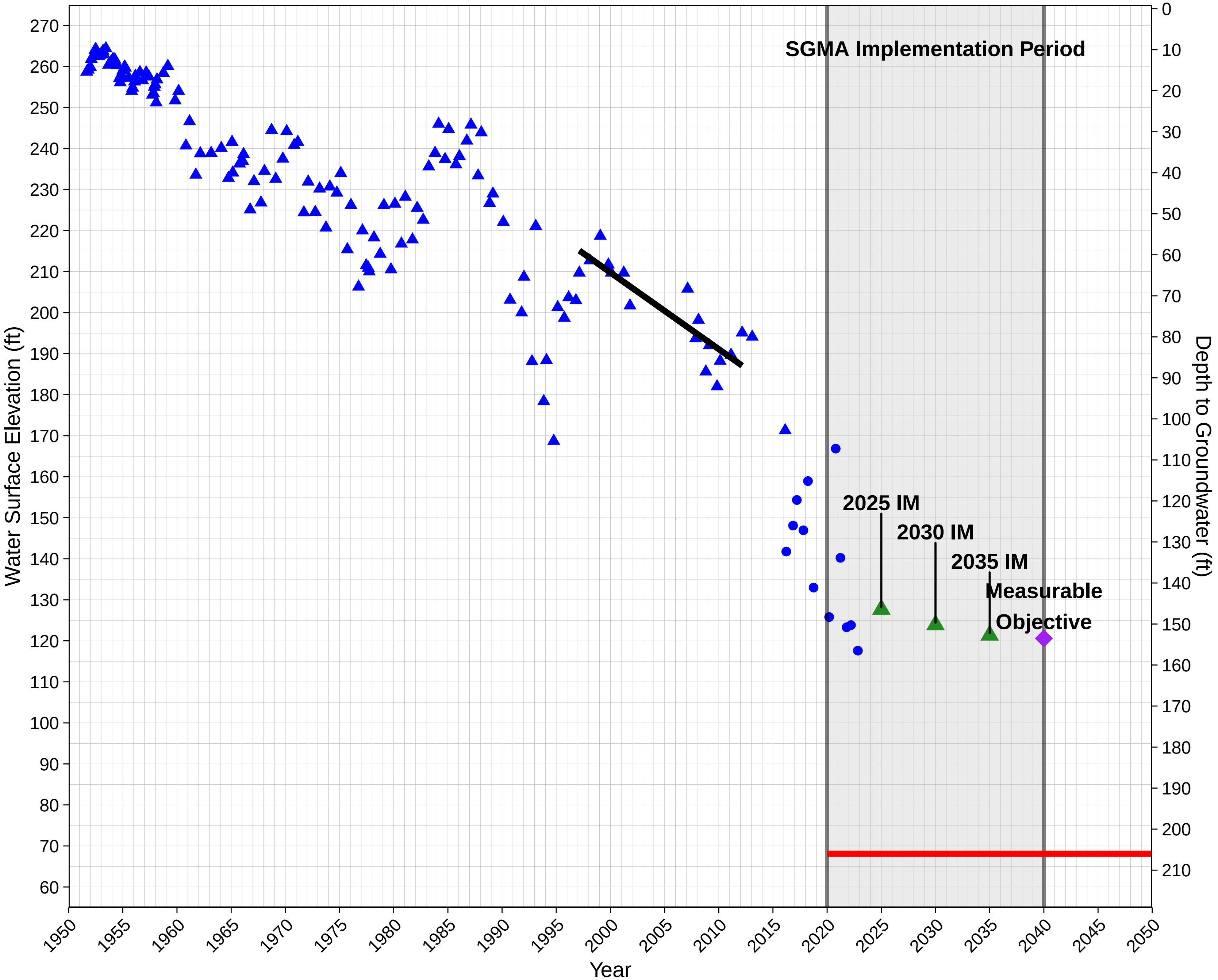
15S25E19A001MX
GSE: 458.4
Kings River East Groundwater Sustainability Agency

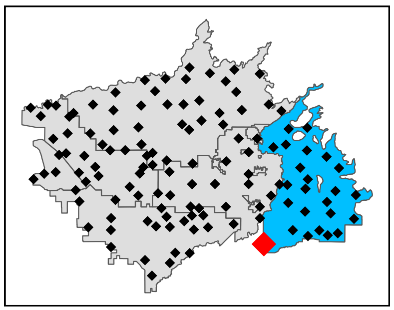




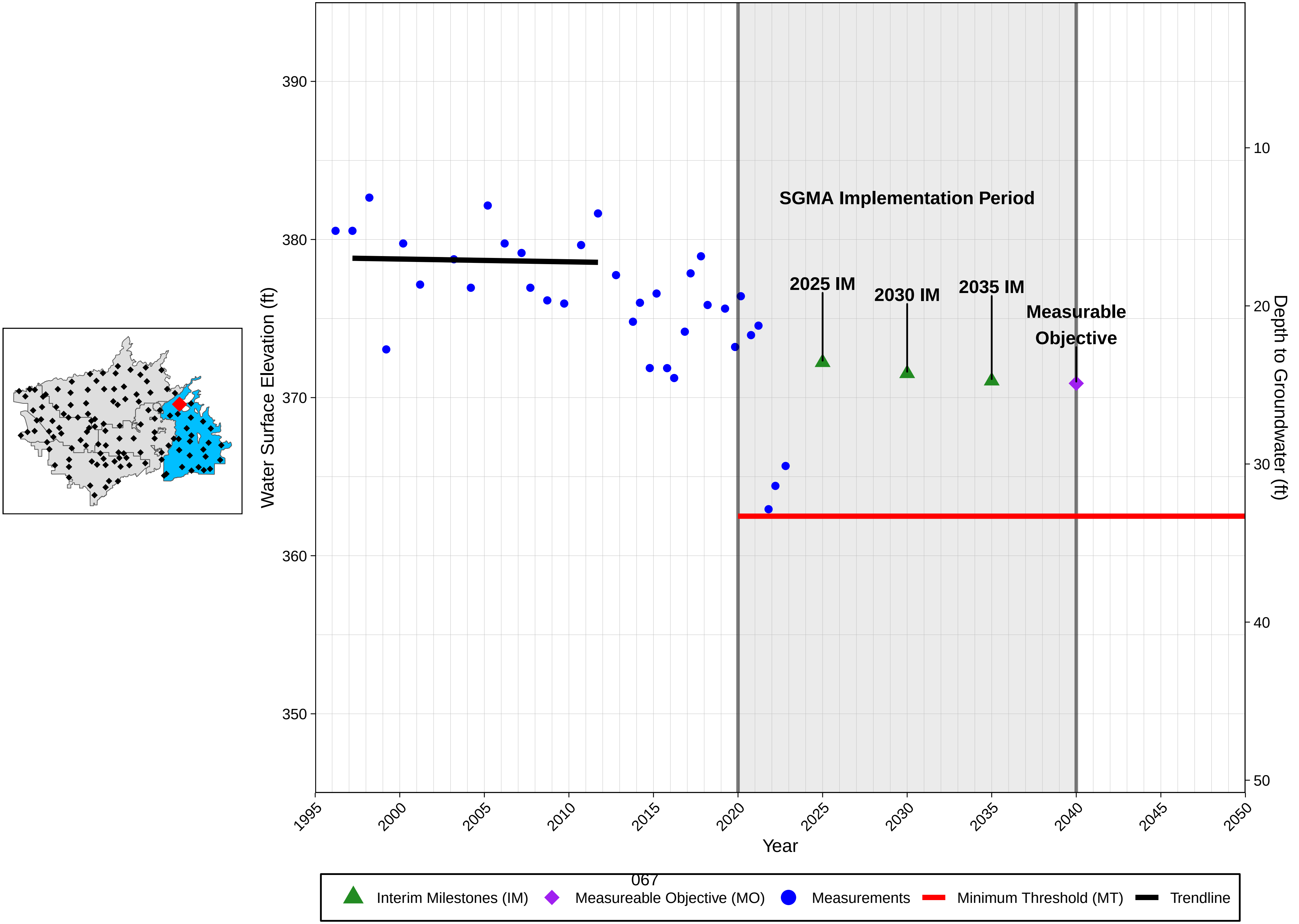

16S25E10J001MX
GSE: 422.3
Kings River East Groundwater Sustainability Agency
SGMA Implementation Period
2025 IM
2030 IM
2035 IM
Measurable Objective
Water Surface Elevation (ft)
Depth to Groundwater (ft)
Year
Interim Milestones (IM)
Measureable Objective (MO)
Measurements
Minimum Threshold (MT)
Trendline

193B
GSE: 274.1
Kings River East Groundwater Sustainability Agency
Historical Well: 364303N1195146W001

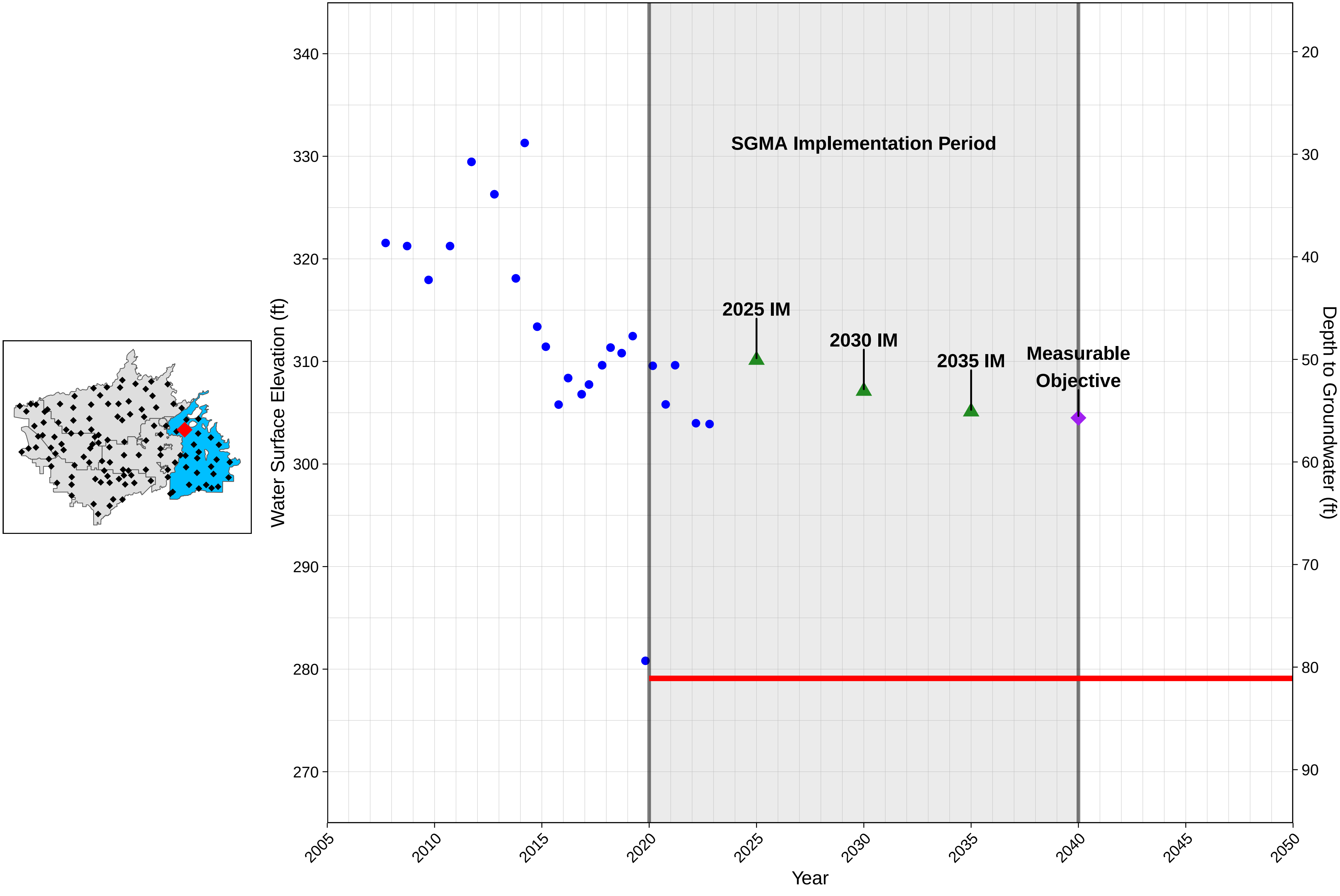




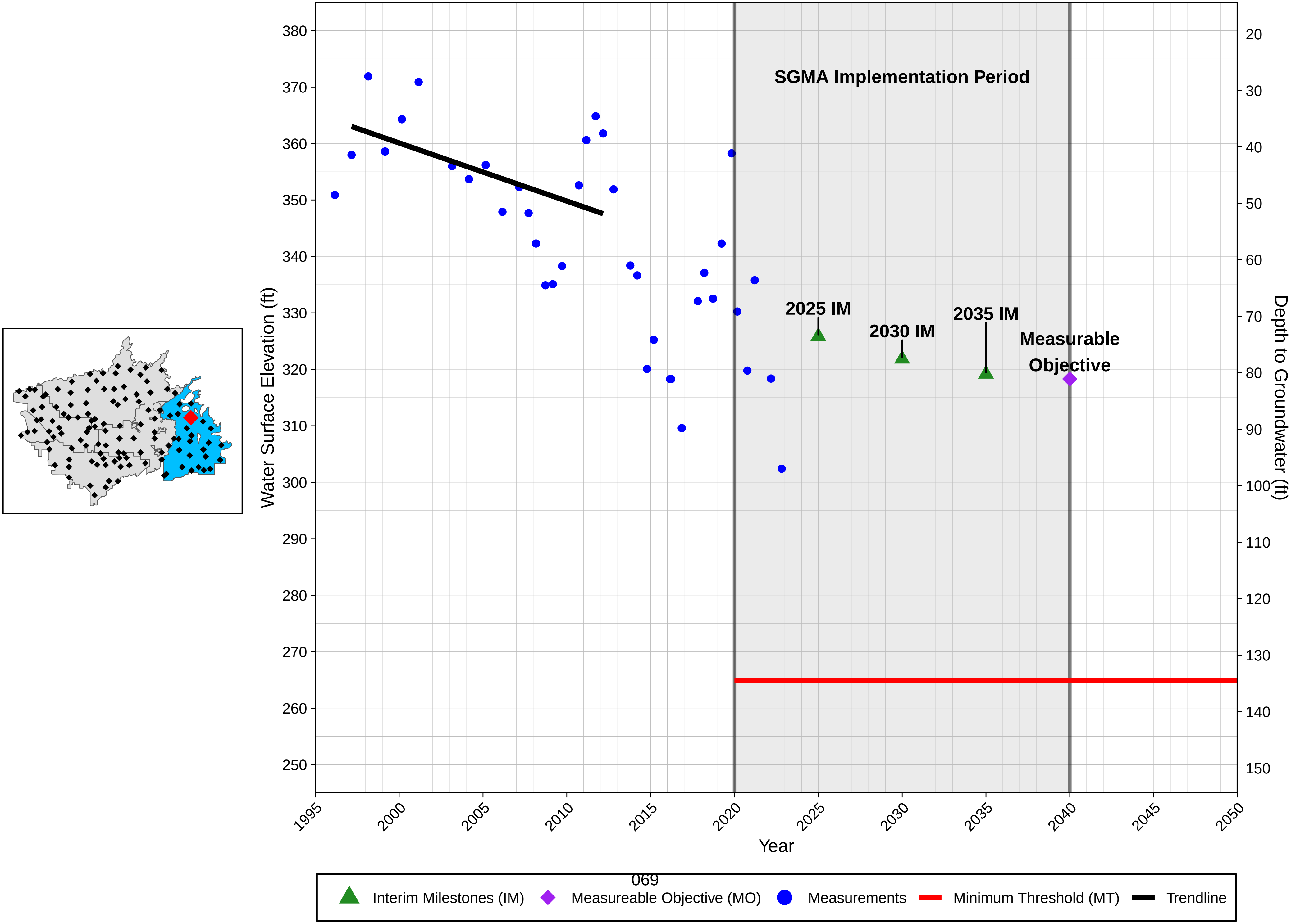
B013B
GSE: 395.8
Kings River East Groundwater Sustainability Agency



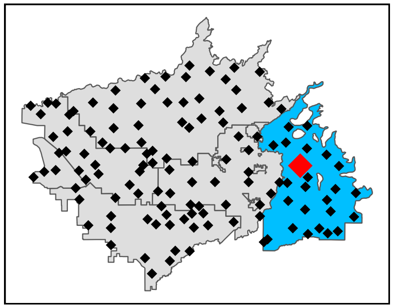
H020A
GSE: 360.2
Kings River East Groundwater Sustainability Agency

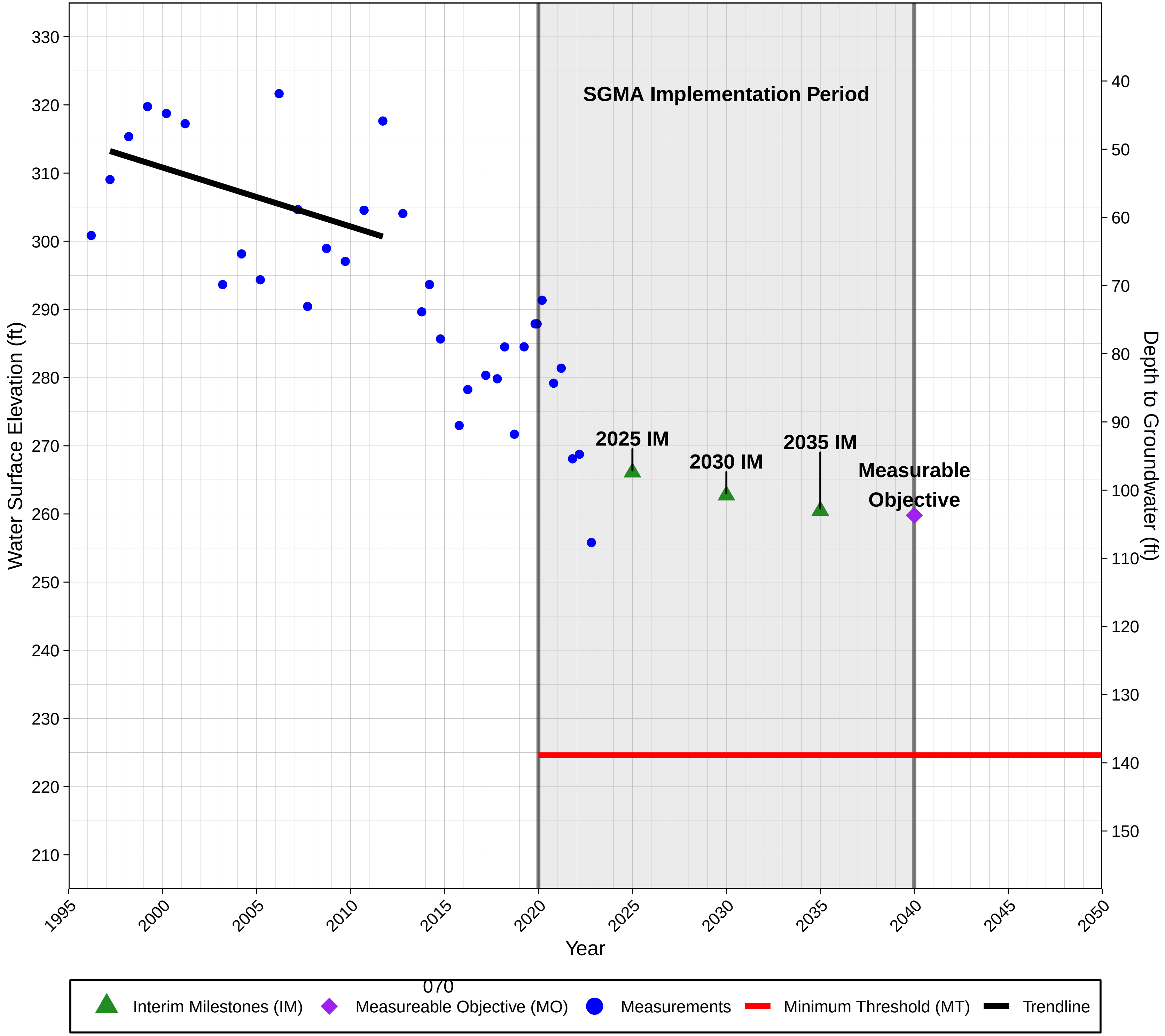


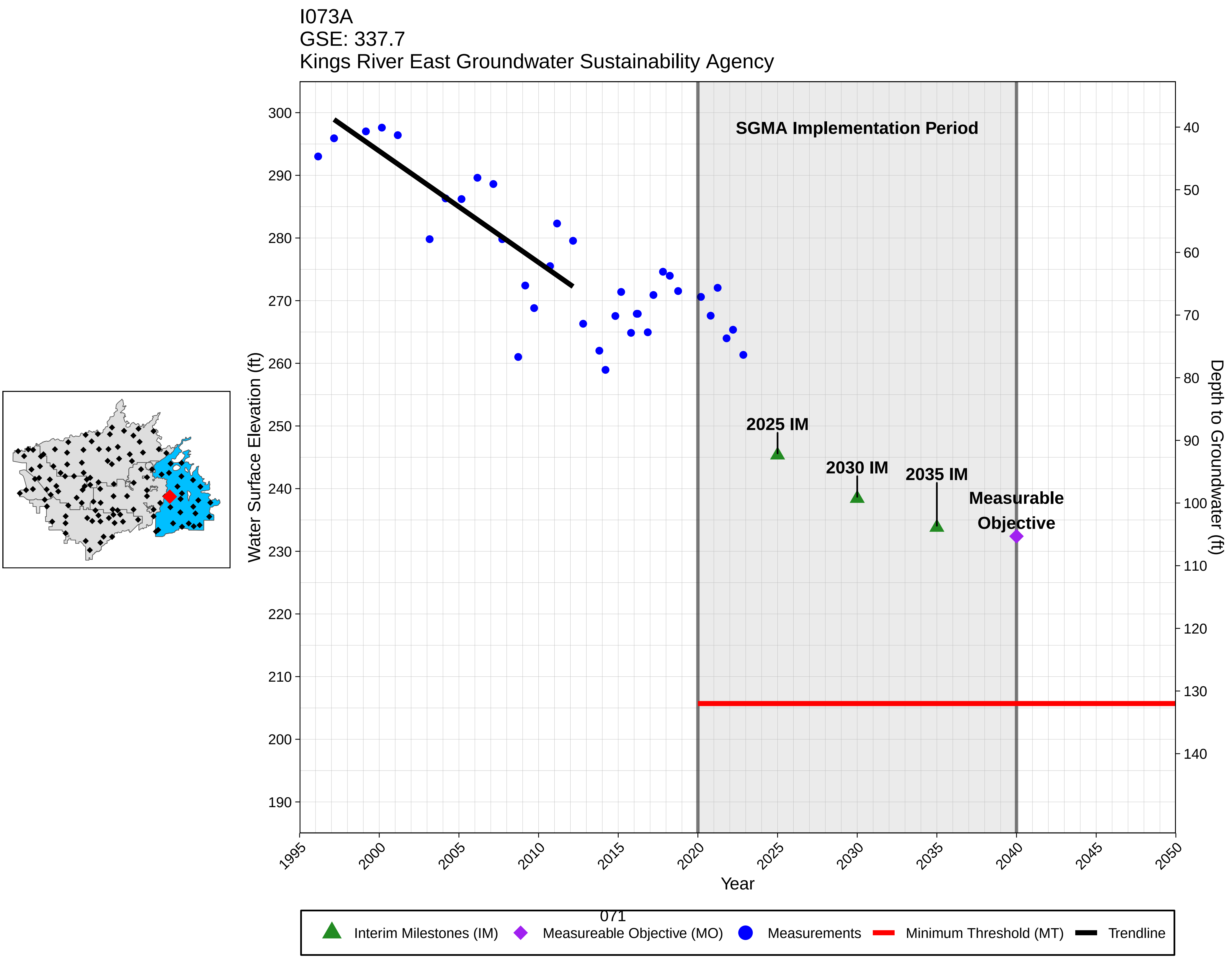
I045A
GSE: 399.4
Kings River East Groundwater Sustainability Agency



I055A
GSE: 363.5
Kings River East Groundwater Sustainability Agency

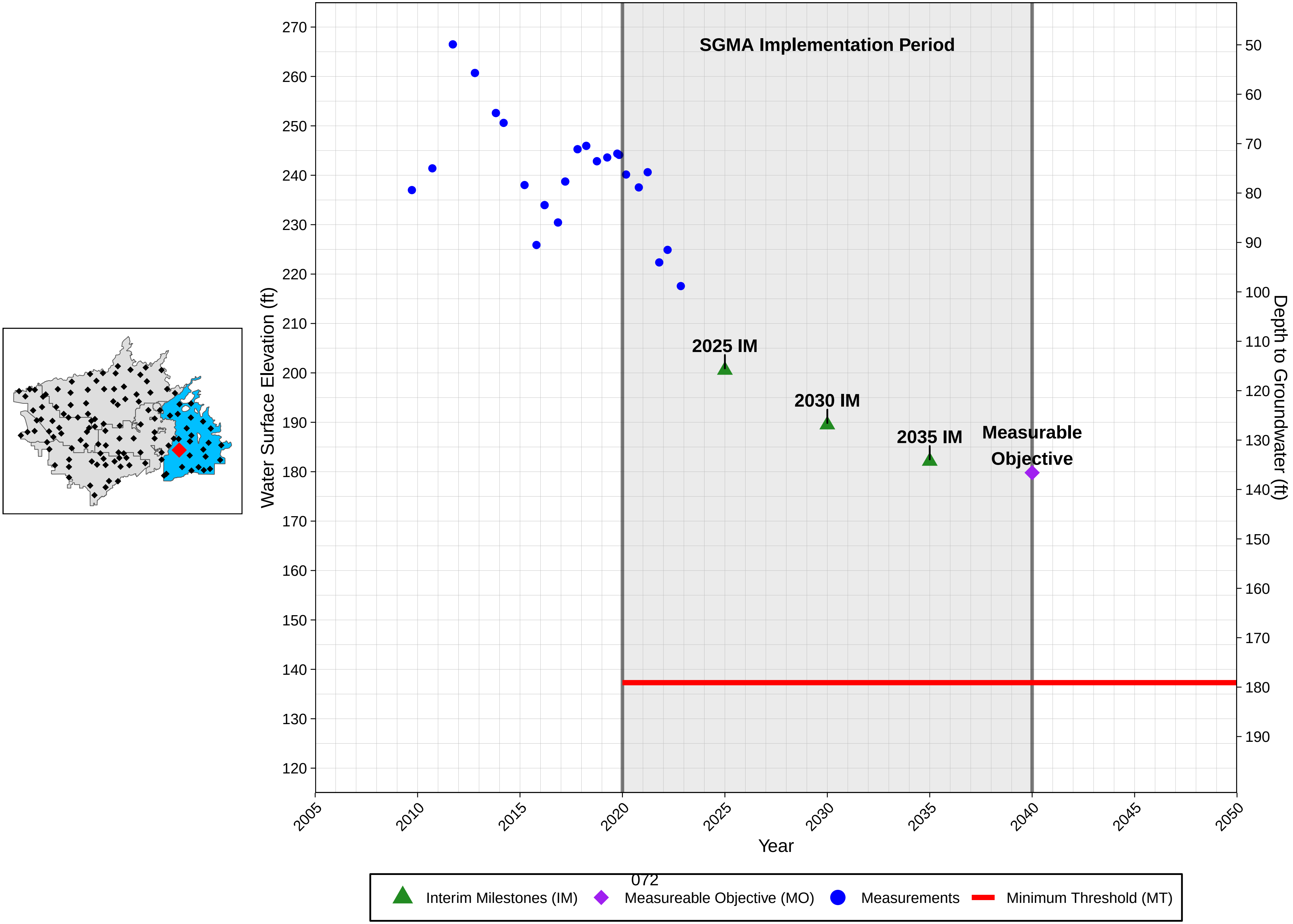




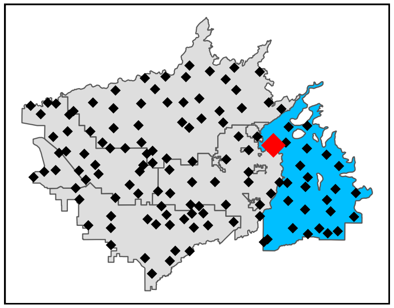


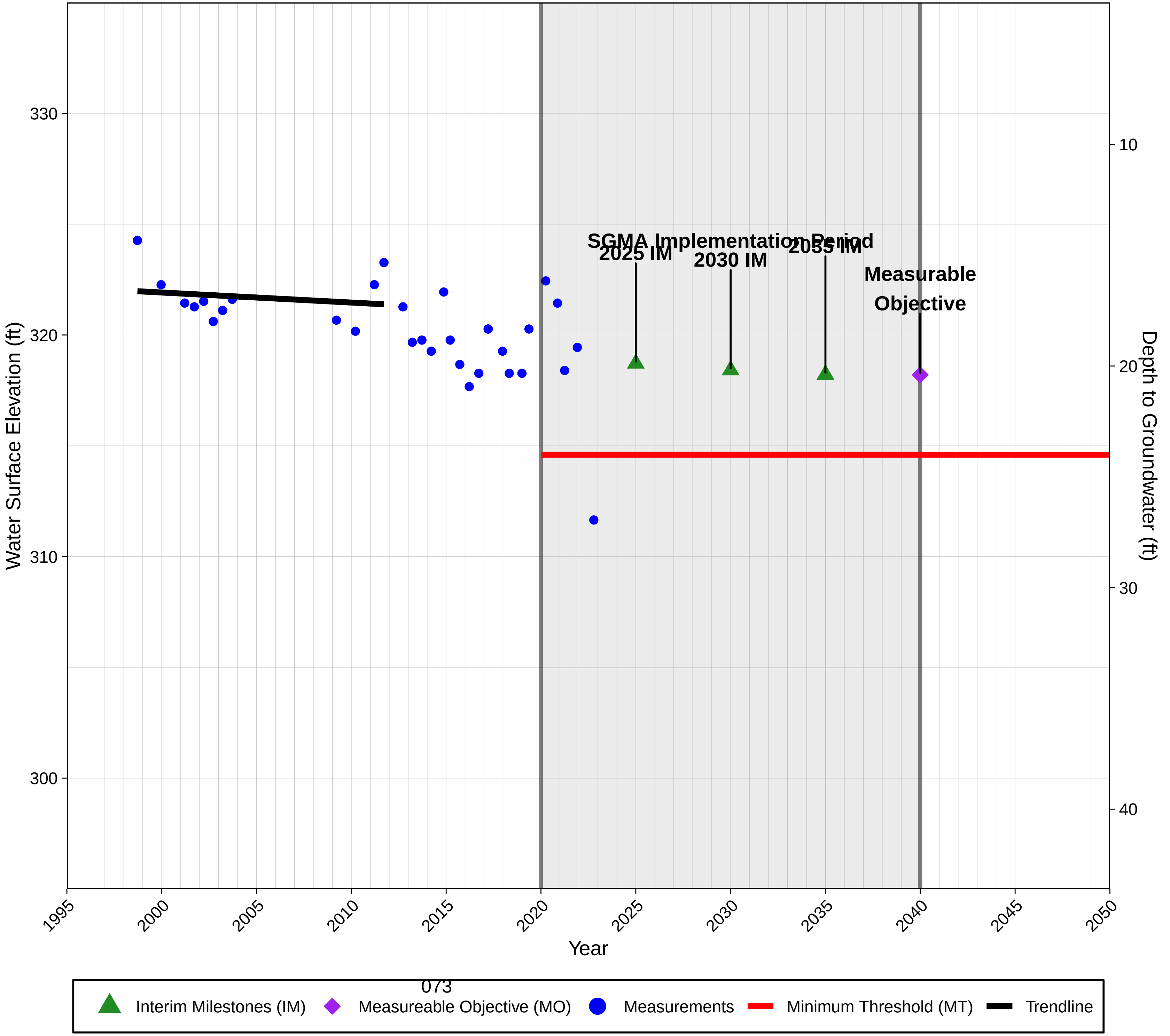
I073A
GSE: 337.7
Kings River East Groundwater Sustainability Agency
SGMA Implementation Period
2025 IM
2030 IM
2035 IM
Measurable Objective
Water Surface Elevation (ft)
Depth to Groundwater (ft)
Year
Interim Milestones (IM)
Measureable Objective (MO)
Measurements
Minimum Threshold (MT)
Trendline

K086B
GSE: 316.4
Kings River East Groundwater Sustainability Agency

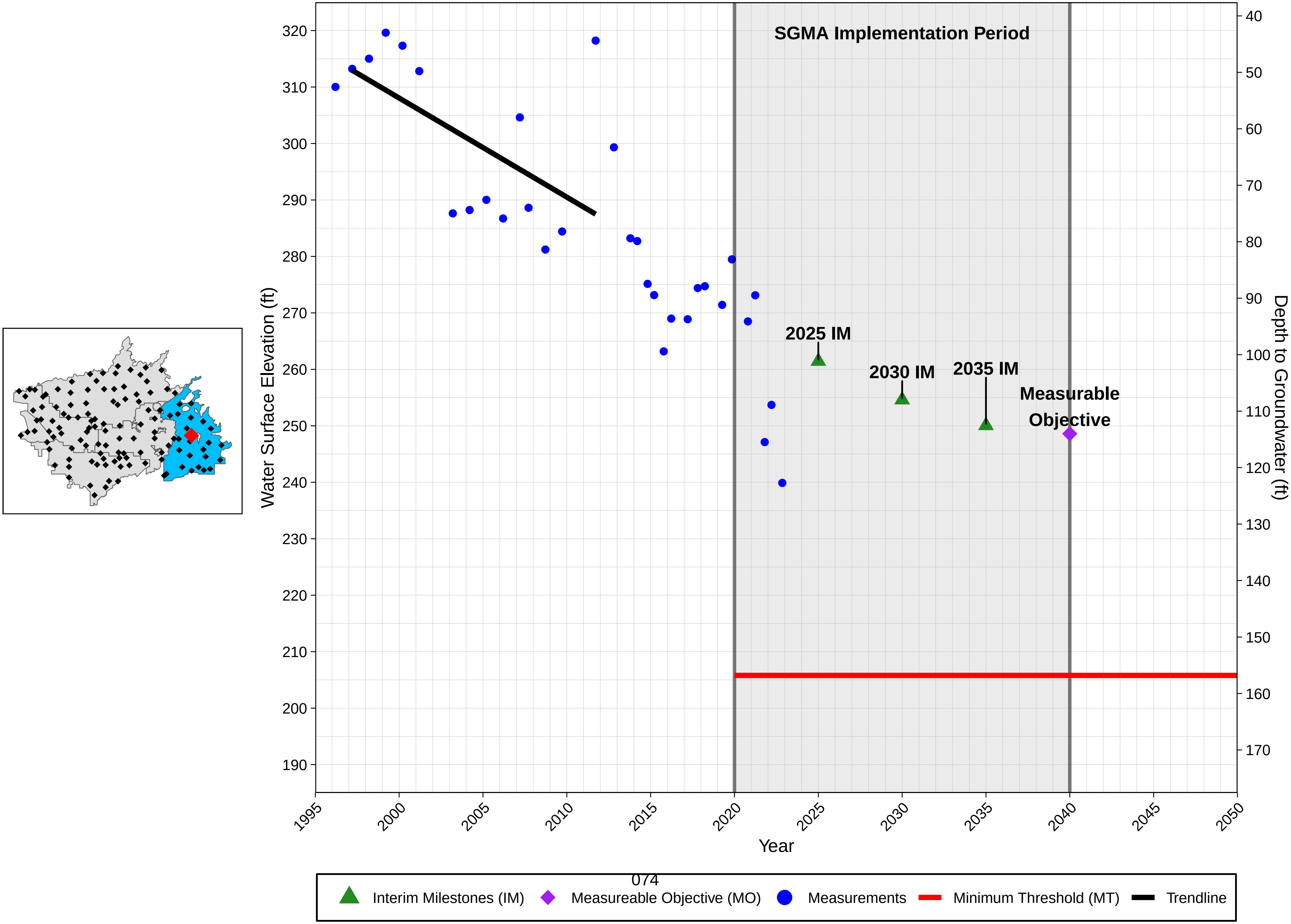


KRWD04
GSE: 338.6
Kings River East Groundwater Sustainability Agency

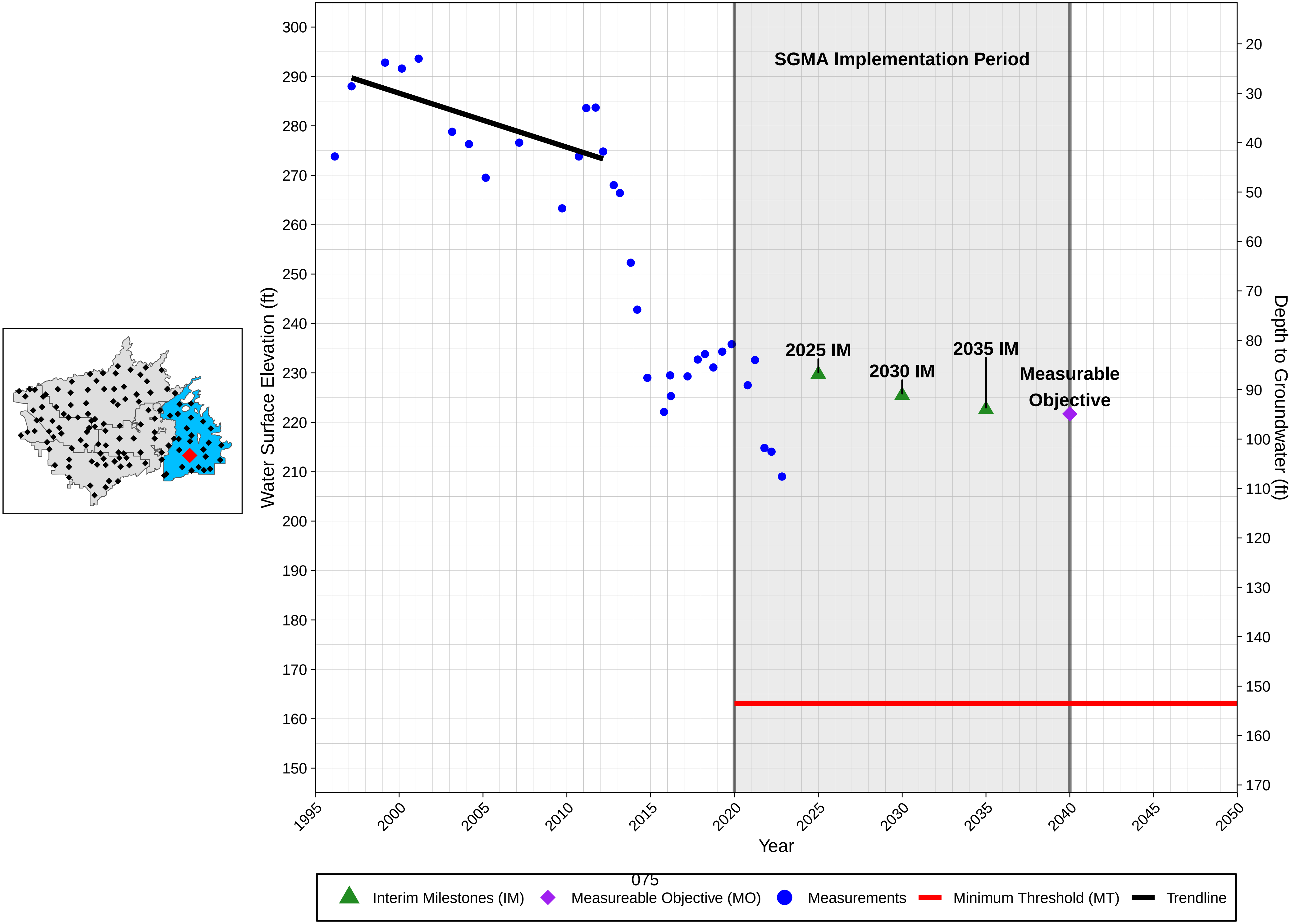




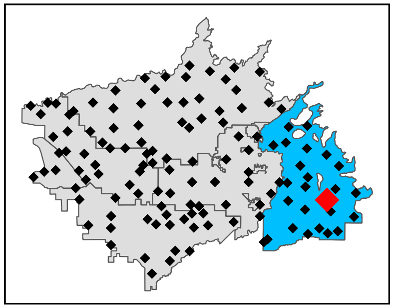
M065A
GSE: 362.6
Kings River East Groundwater Sustainability Agency

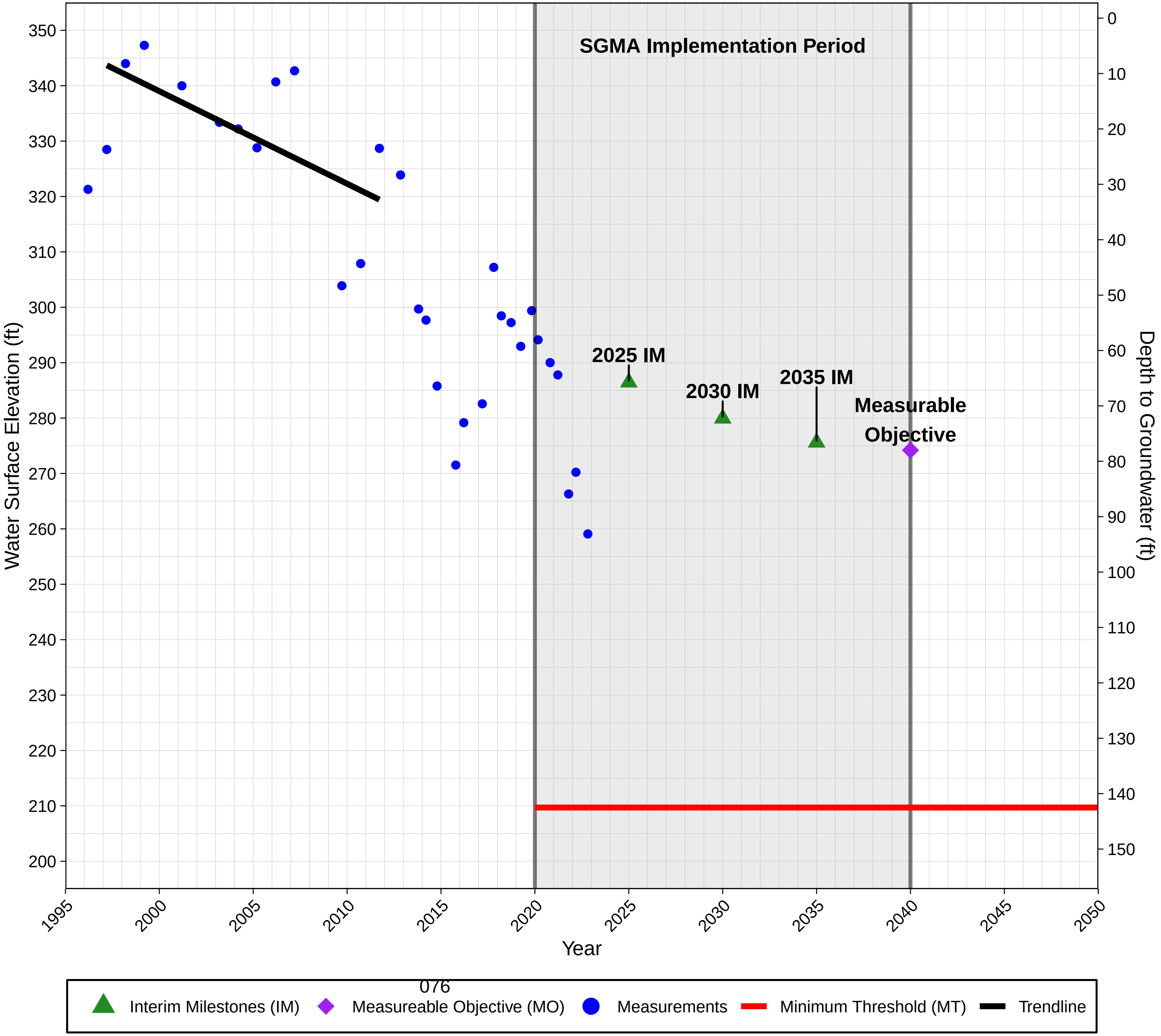


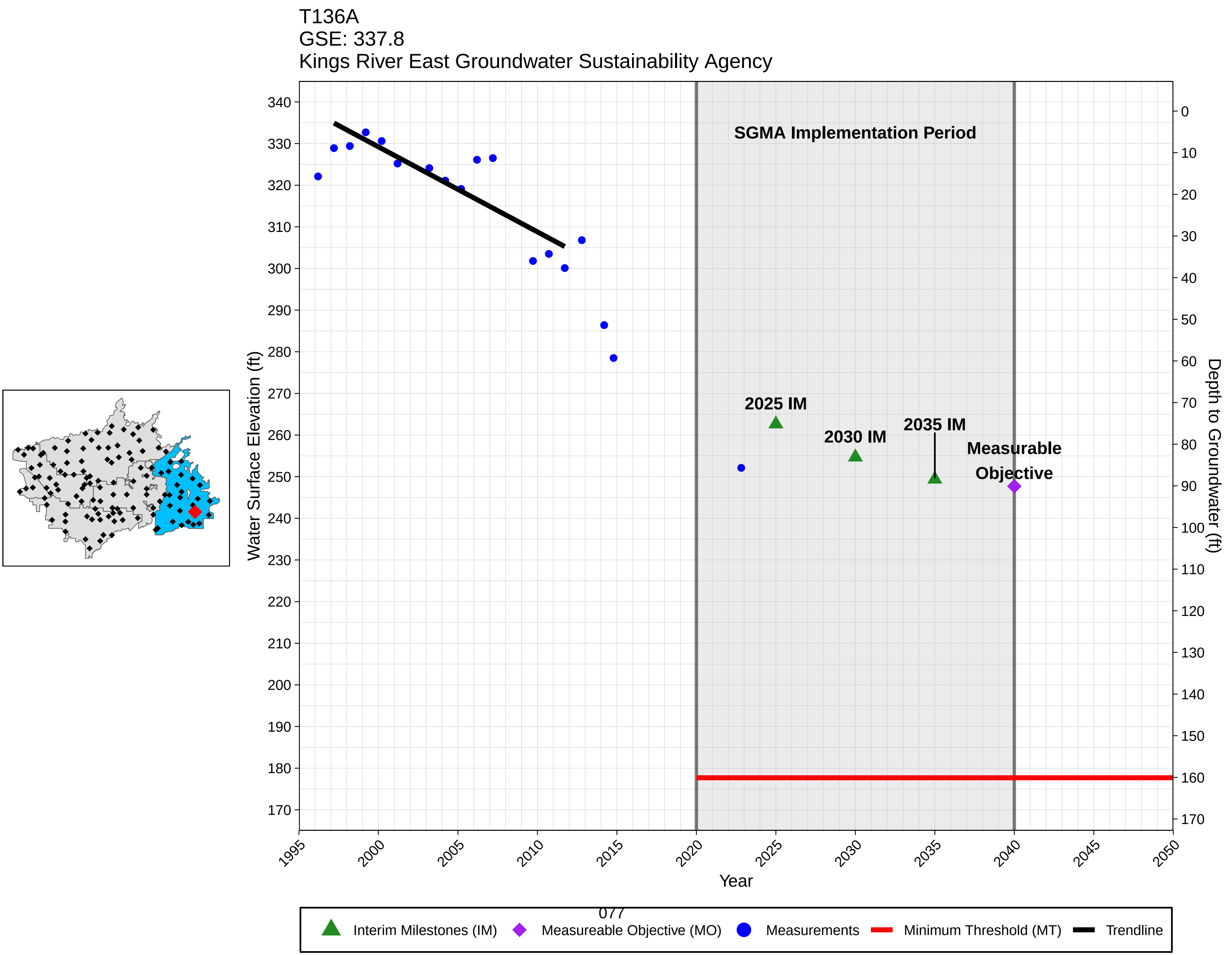
M130B
GSE: 316.6
Kings River East Groundwater Sustainability Agency



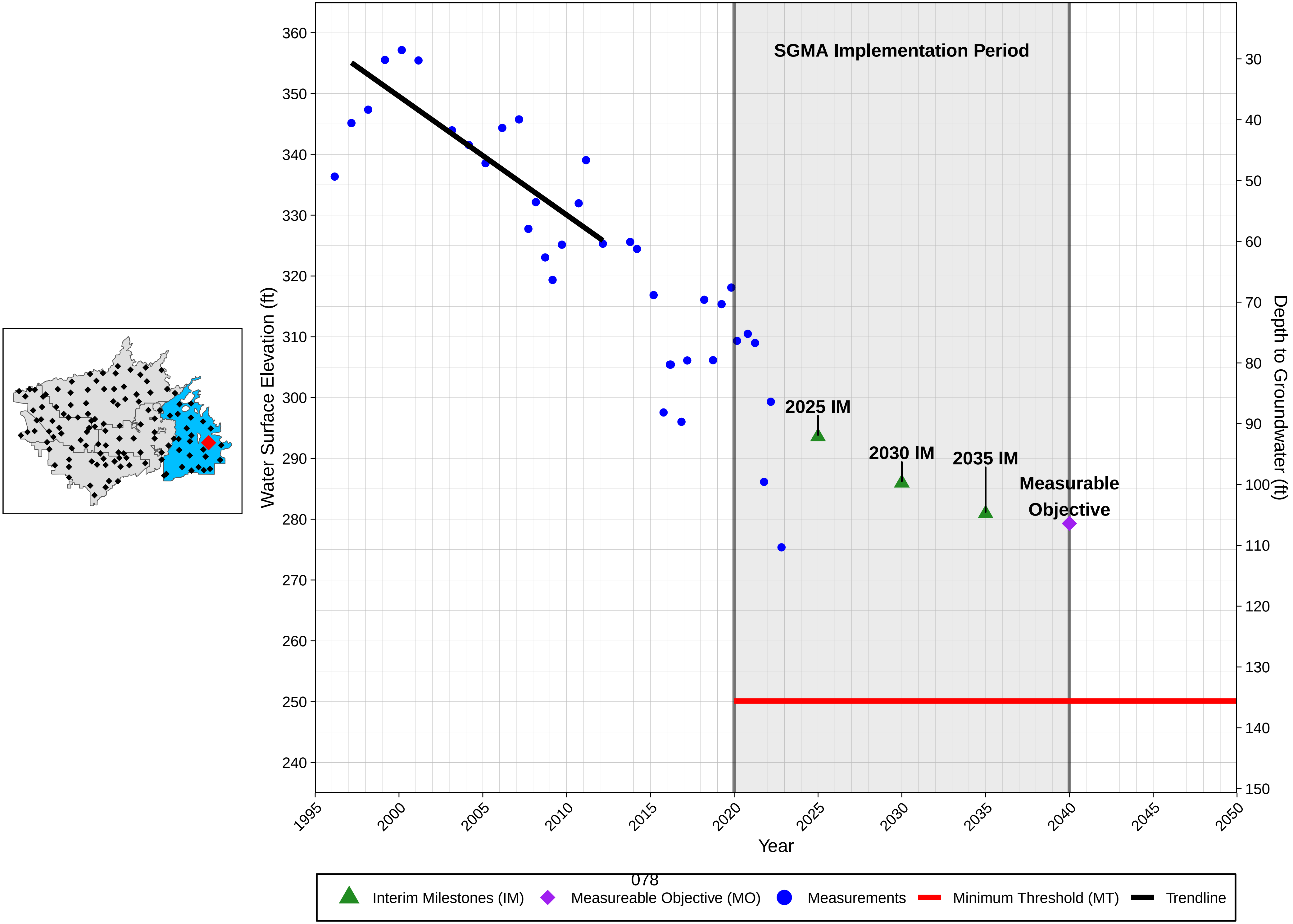
O123A
GSE: 352.2
Kings River East Groundwater Sustainability Agency

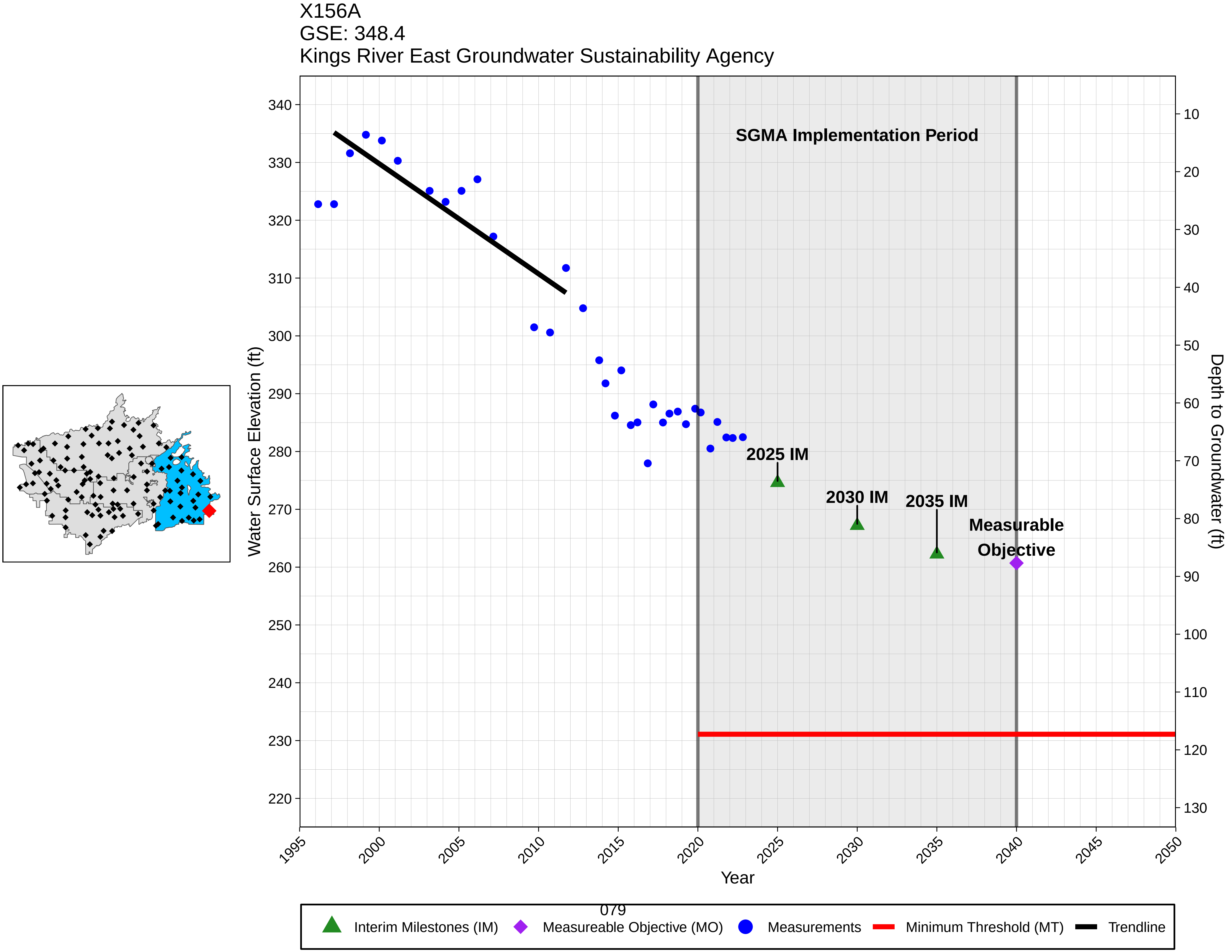





T136A
GSE: 337.8
Kings River East Groundwater Sustainability Agency
SGMA Implementation Period
2025 IM
2030 IM
2035 IM
Measurable Objective
Water Surface Elevation (ft)
Depth to Groundwater (ft)
Year
Interim Milestones (IM)
Measureable Objective (MO)
Measurements
Minimum Threshold (MT)
Trendline

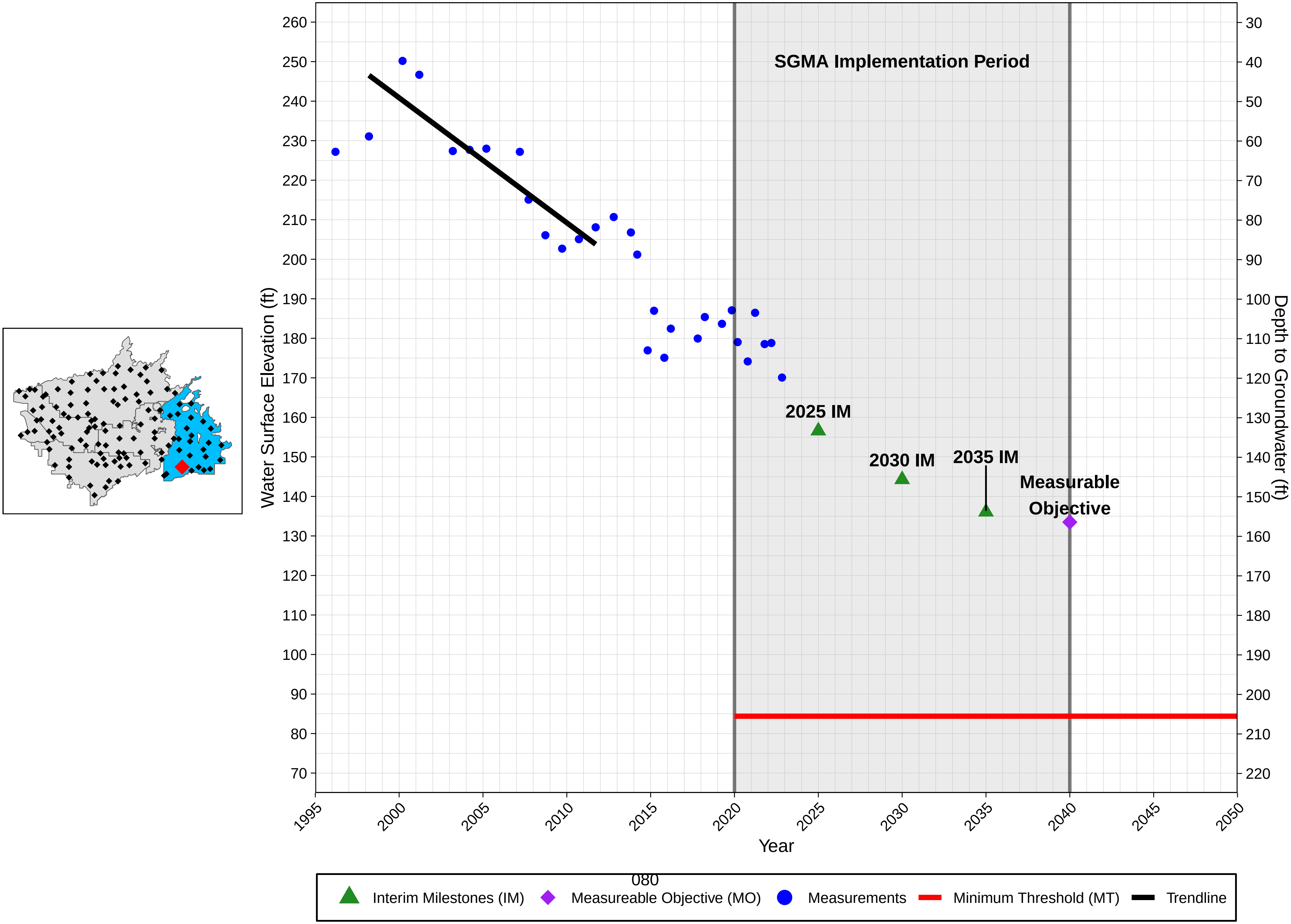
T139A
GSE: 385.7
Kings River East Groundwater Sustainability Agency



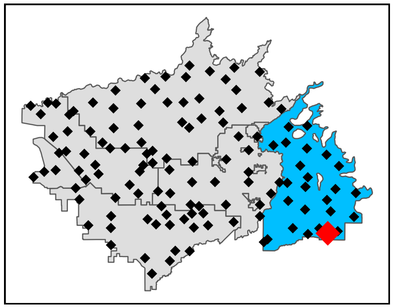


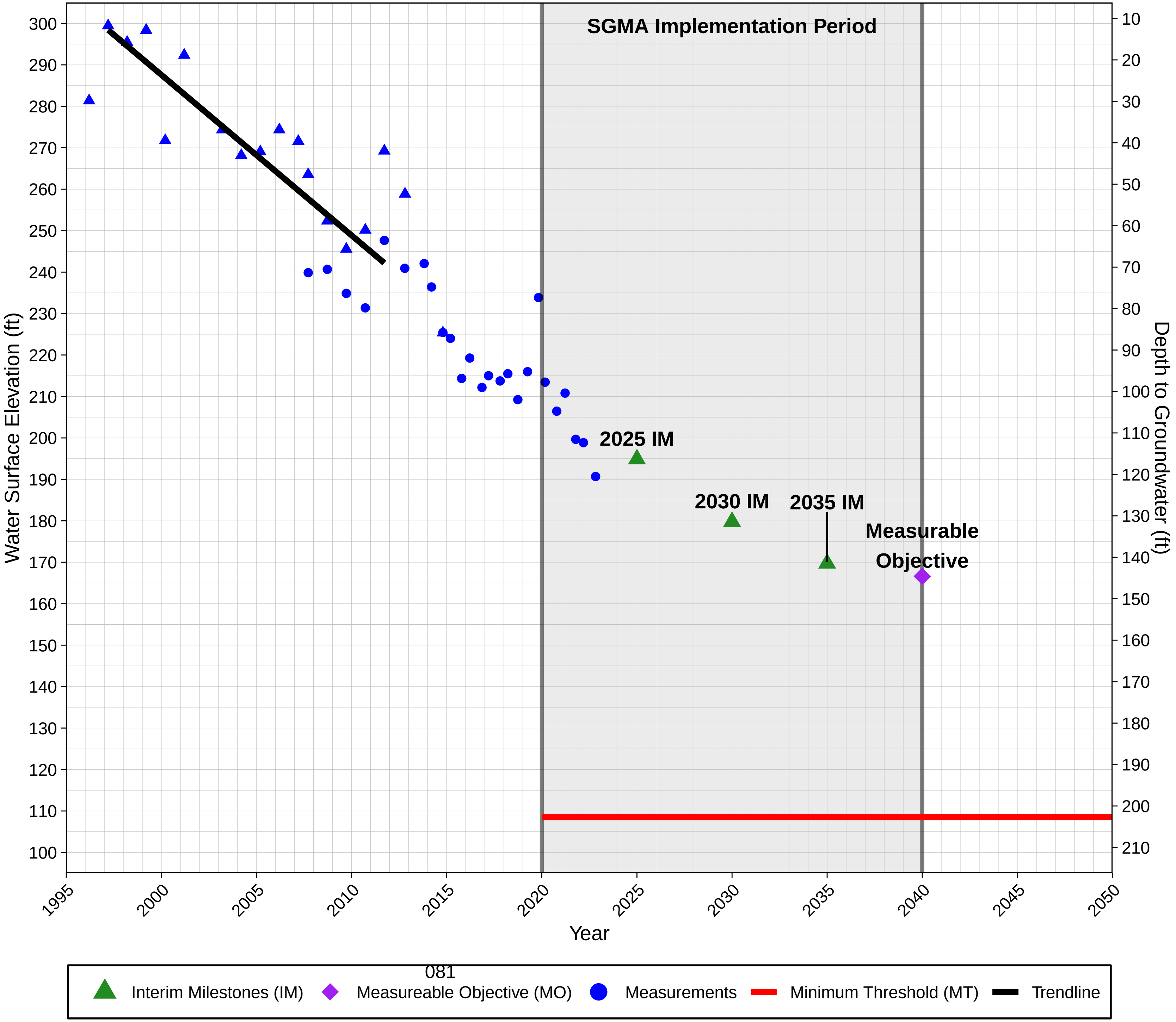
X156A
GSE: 348.4
Kings River East Groundwater Sustainability Agency
SGMA Implementation Period
2025 IM
2030 IM
2035 IM
Measurable Objective
Water Surface Elevation (ft)
Depth to Groundwater (ft)
Year
Interim Milestones (IM)
Measureable Objective (MO)
Measurements
Minimum Threshold (MT)
Trendline

X176A
GSE: 289.9
Kings River East Groundwater Sustainability Agency

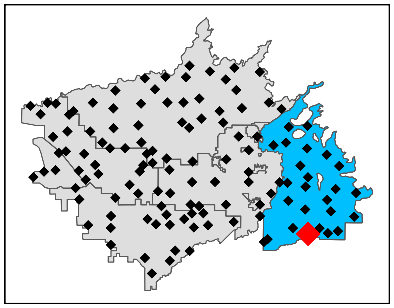


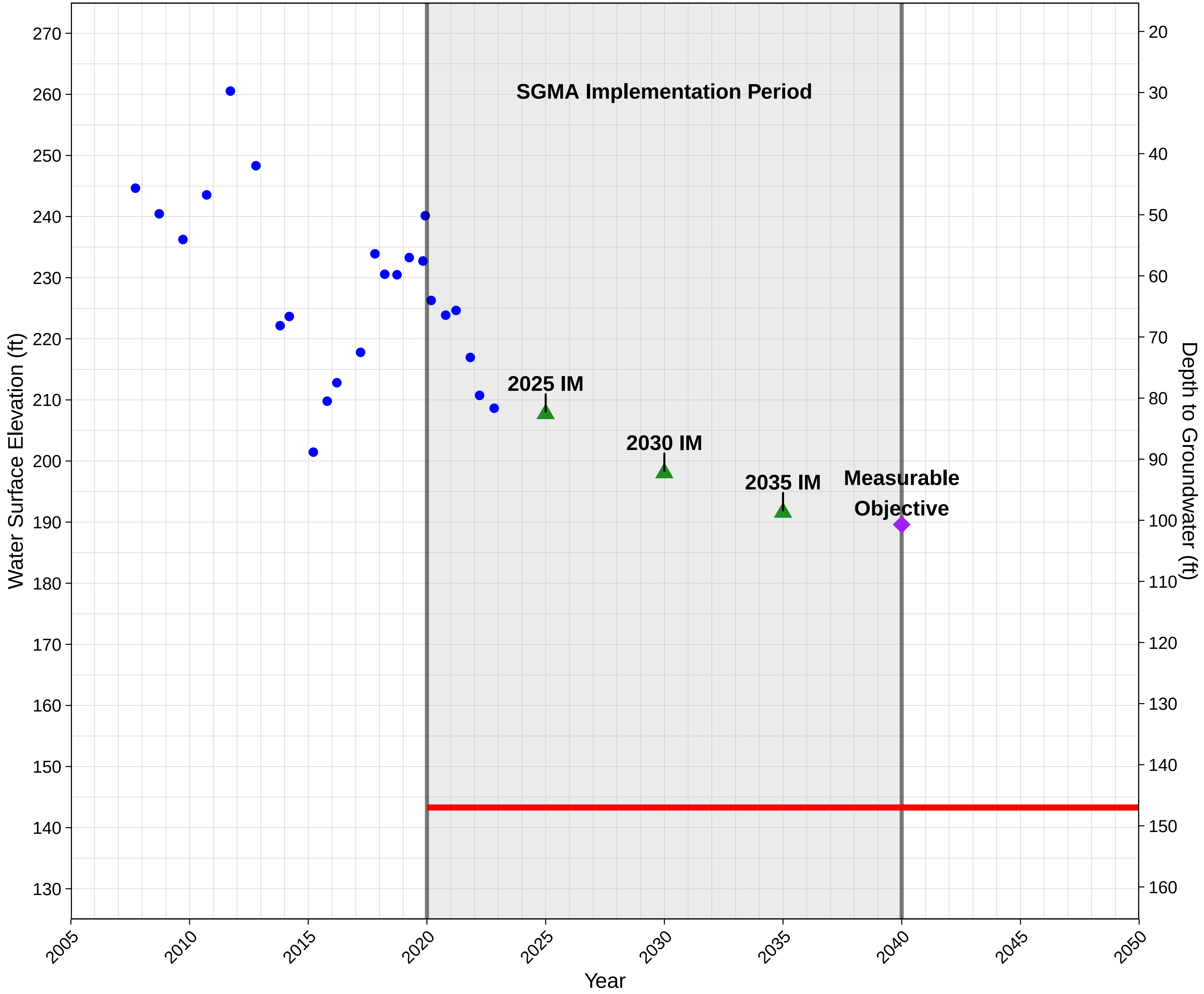
X211A
GSE: 311.2
Kings River East Groundwater Sustainability Agency
Historical Well: X213A





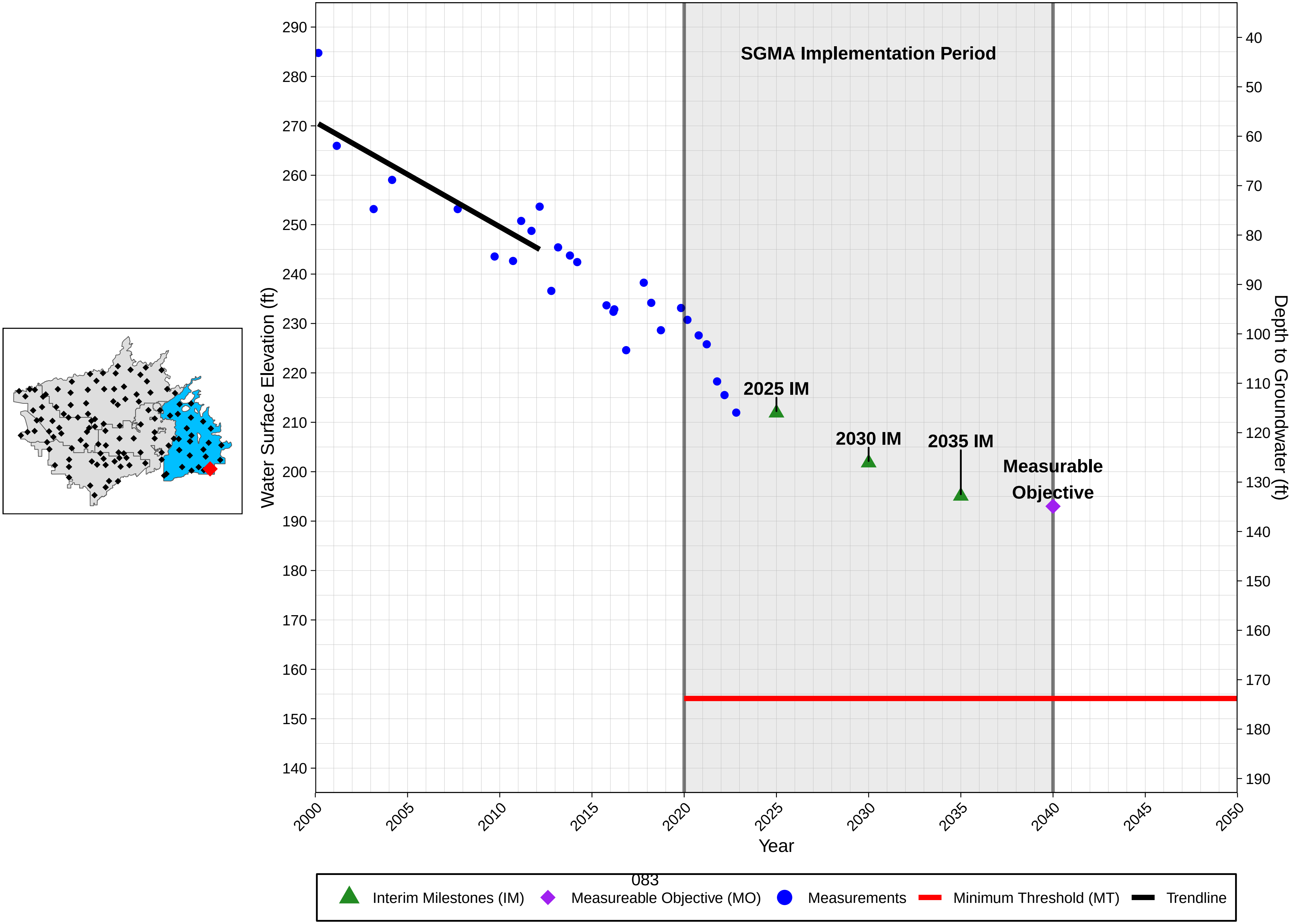
X218B
GSE: 290.3
Kings River East Groundwater Sustainability Agency



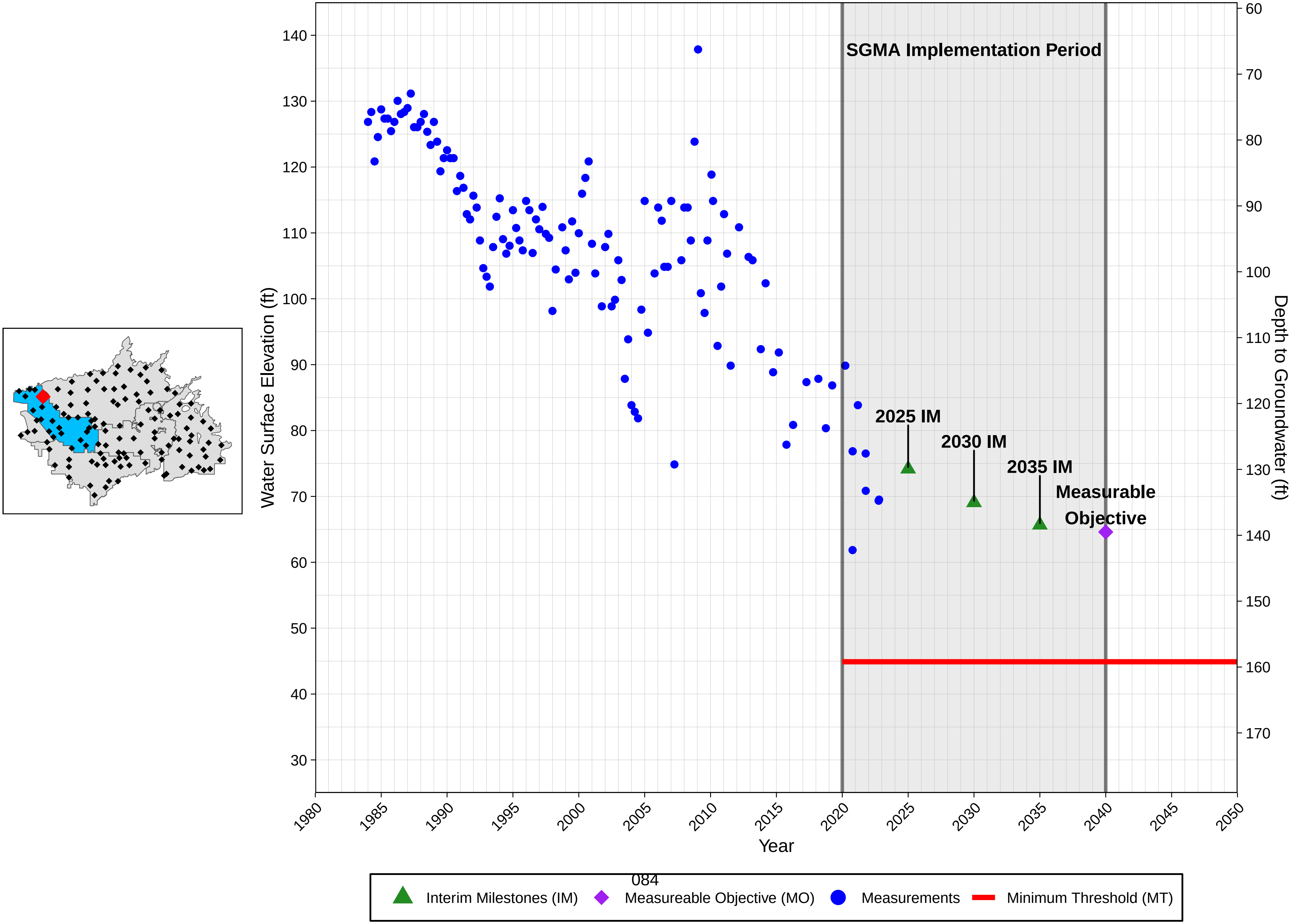


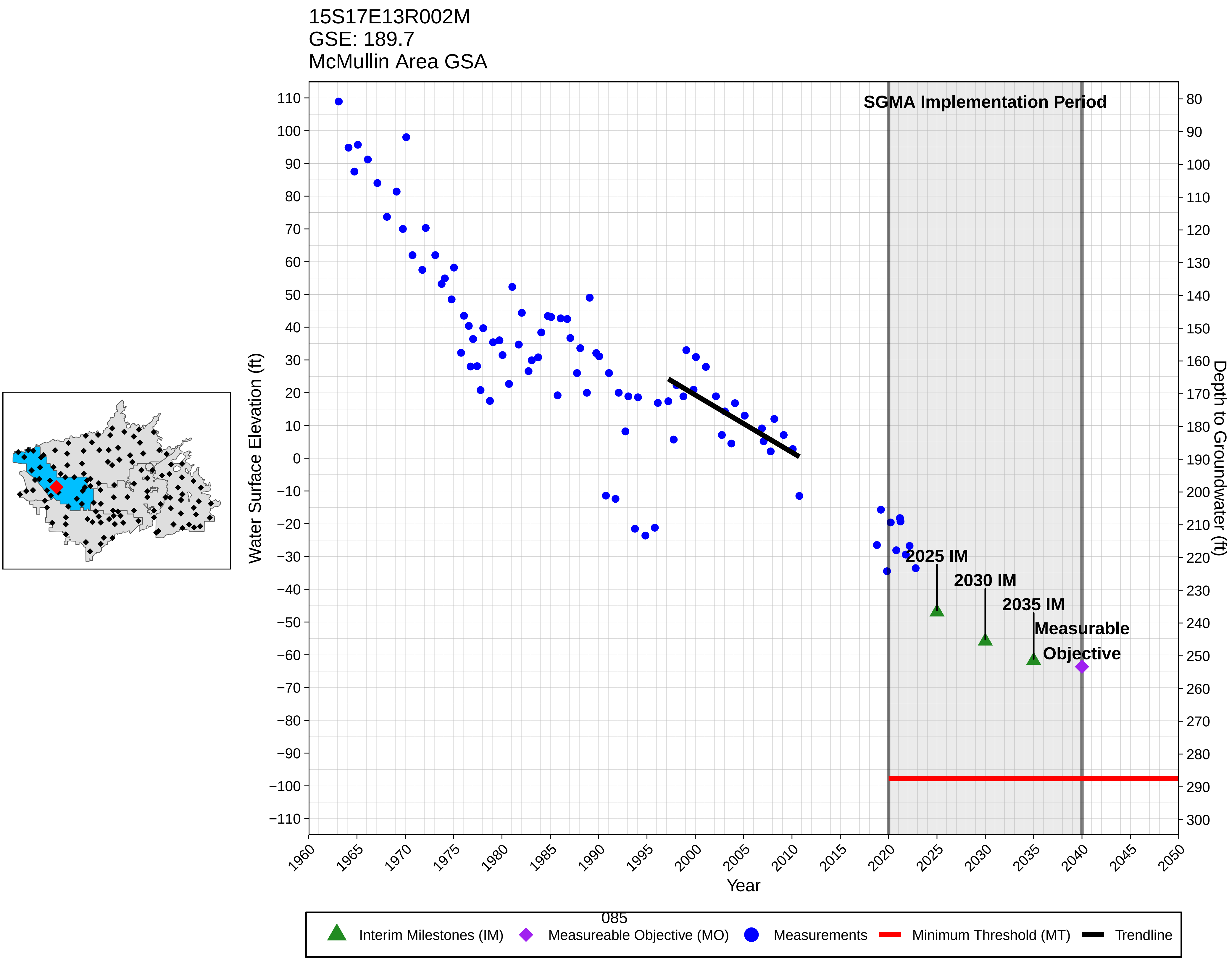
Interim Milestones (IM) Measureable Objective (MO) Measurements Minimum Threshold (MT)

X234B
GSE: 327.9
Kings River East Groundwater Sustainability Agency

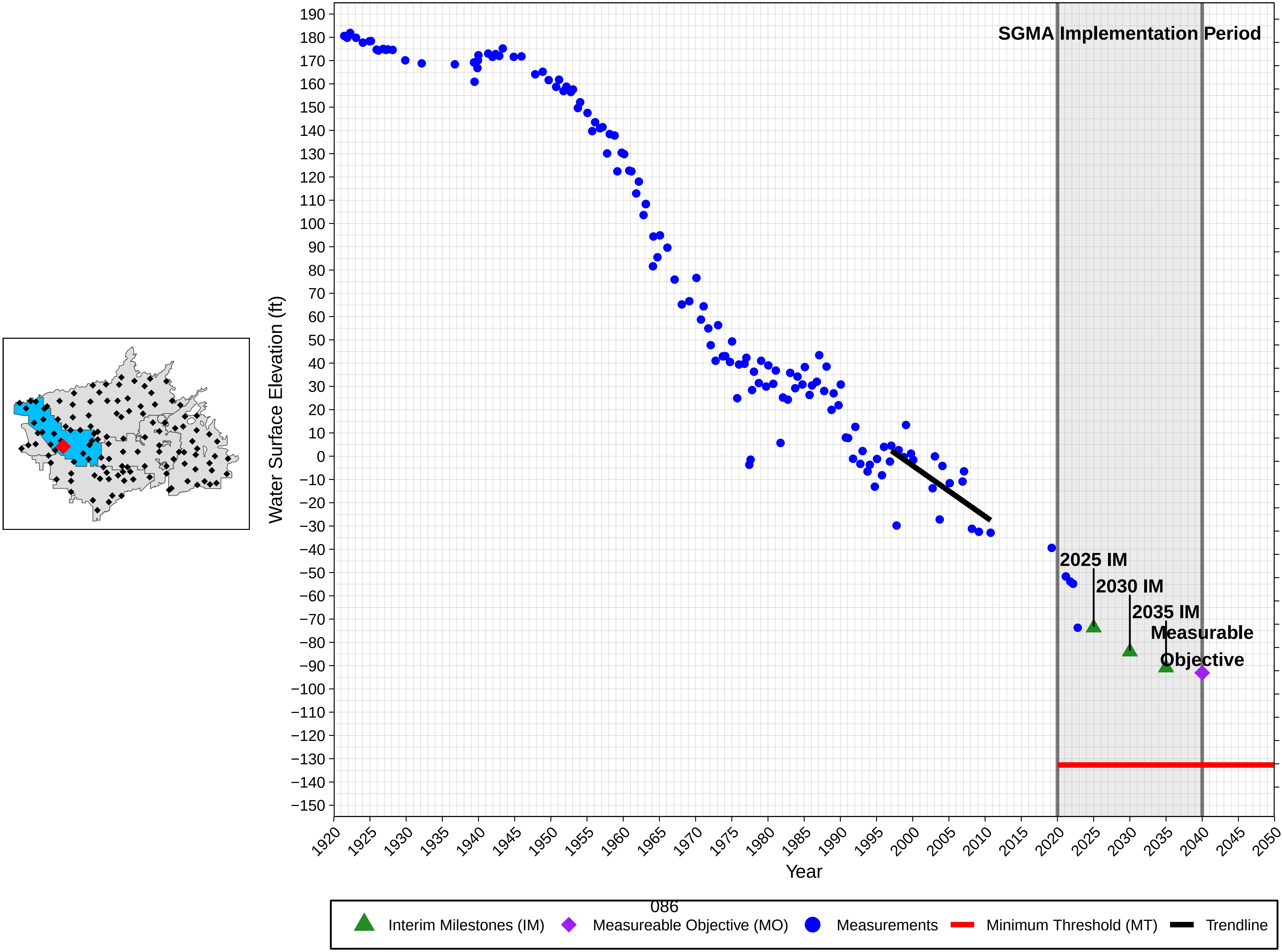


14S17E05C001MX
GSE: 204.1
McMullin Area GSA

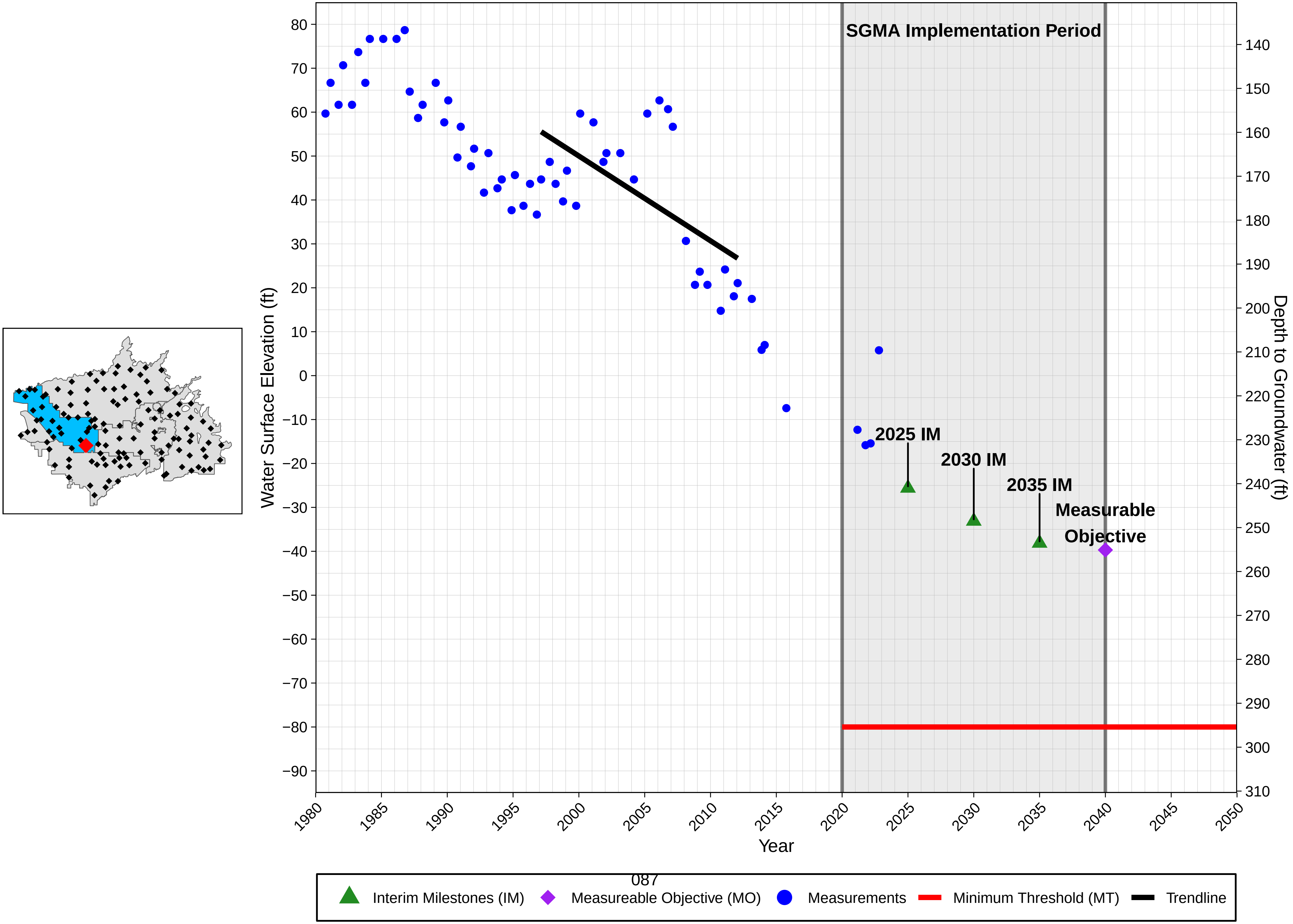



15S17E13R002M
GSE: 189.7
McMullin Area GSA
SGMA Implementation Period
2025 IM
2030 IM
2035 IM
Measurable Objective
Water Surface Elevation (ft)
Depth to Groundwater (ft)
Year
Interim Milestones (IM)
Measureable Objective (MO)
Measurements
Minimum Threshold (MT)
Trendline

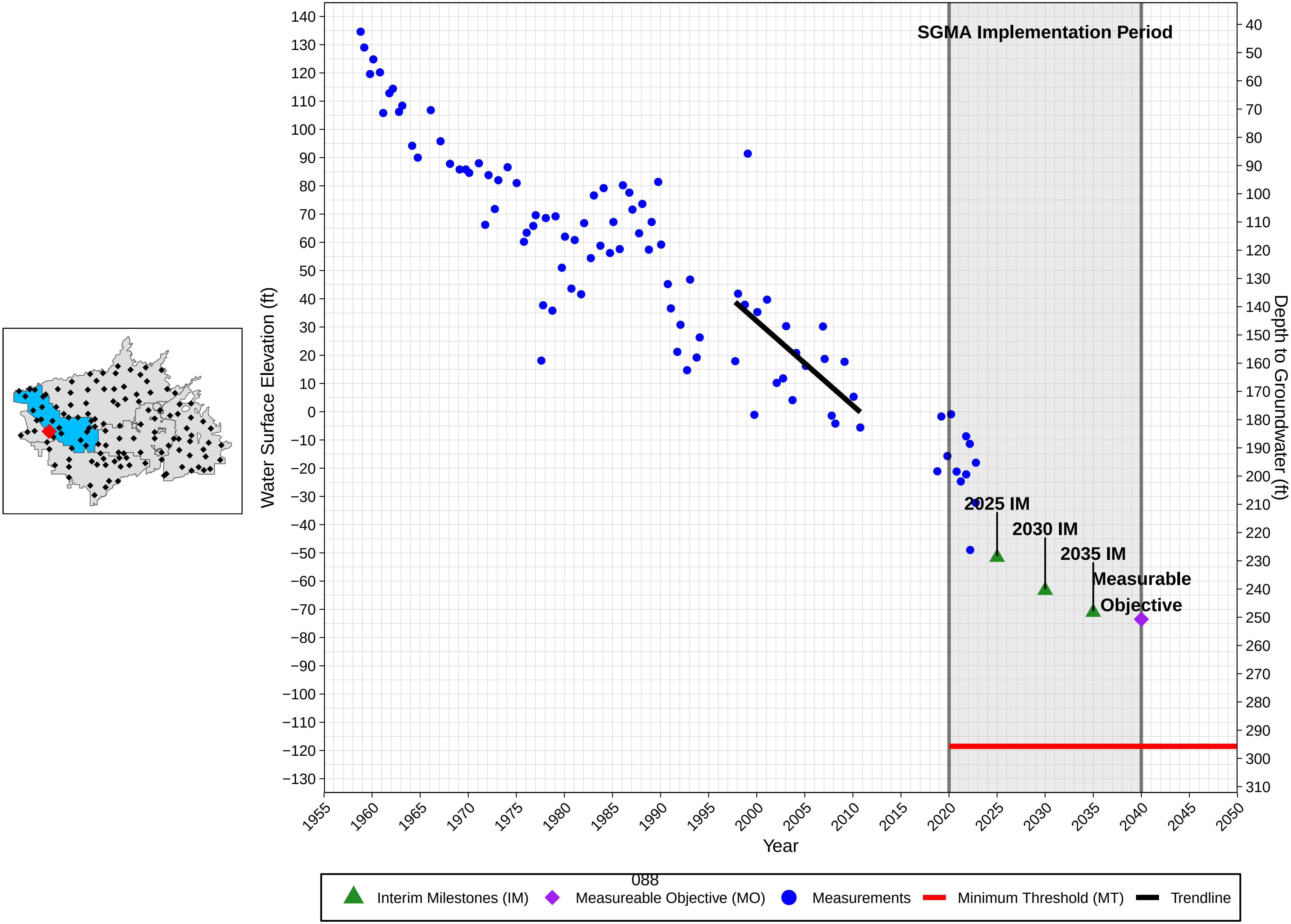
15S18E30L001M
GSE: 187.8
McMullin Area GSA



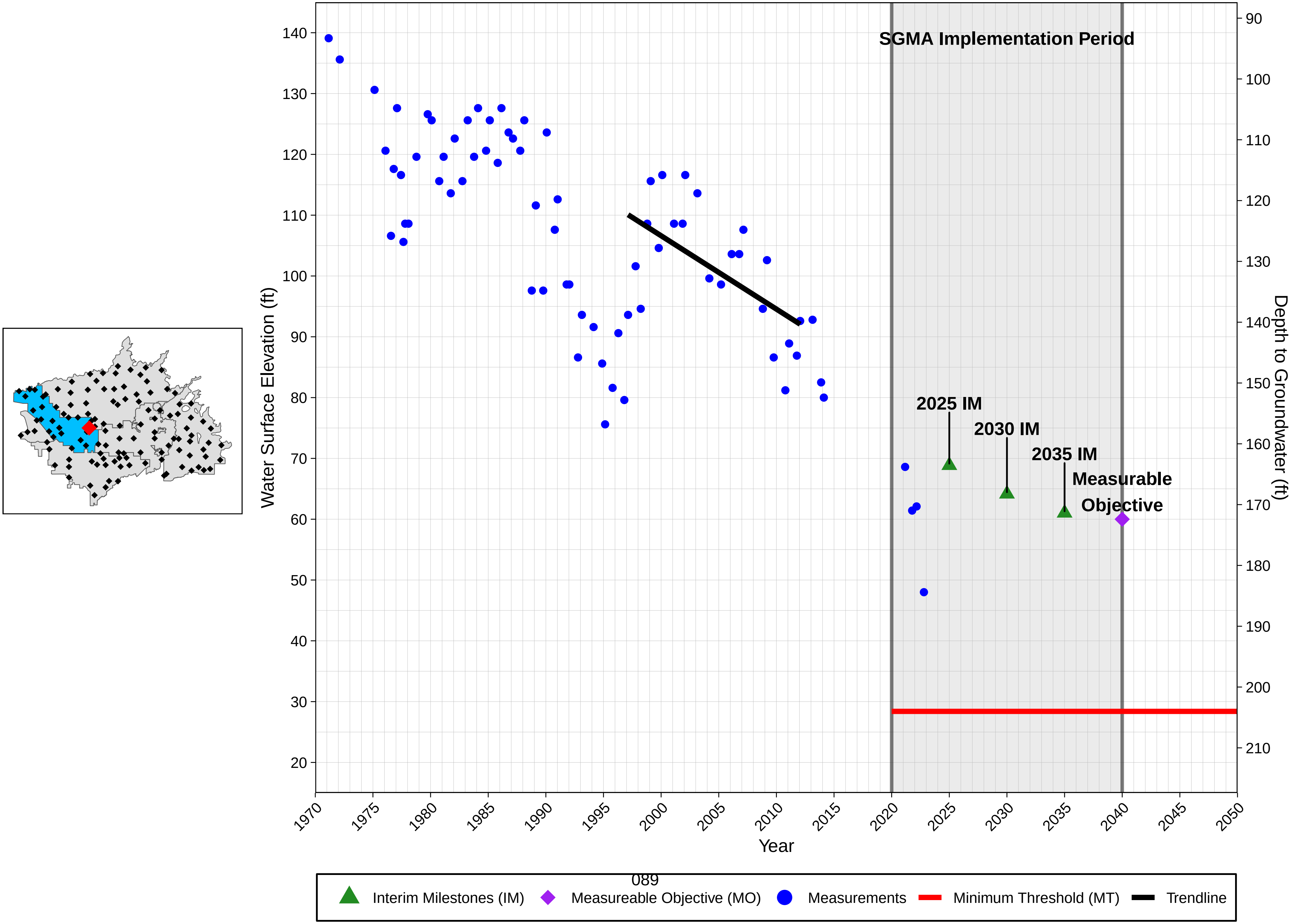
365463N1199268W001
GSE: 215.4
McMullin Area GSA



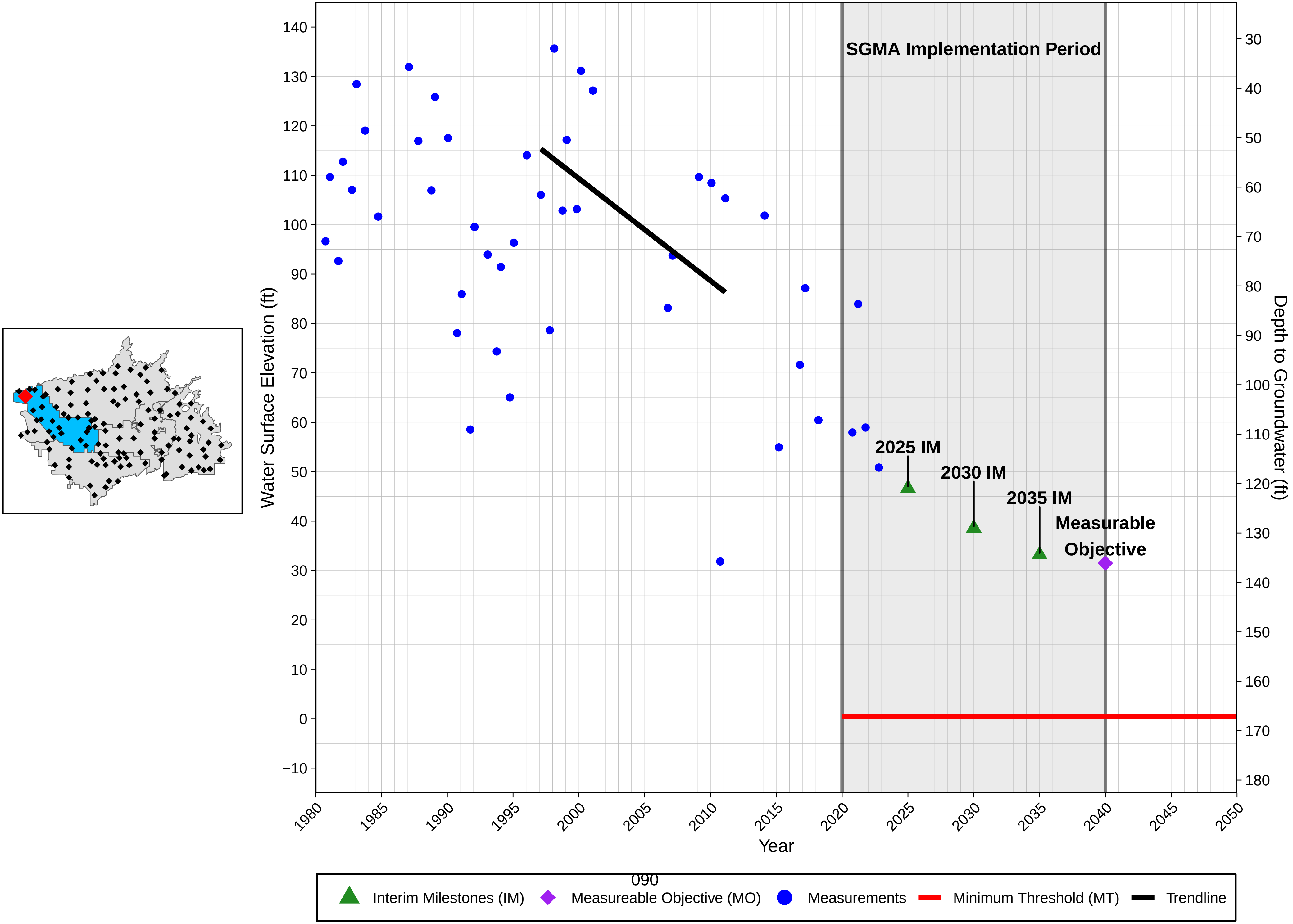
366082N1201199W001
GSE: 177.2
McMullin Area GSA



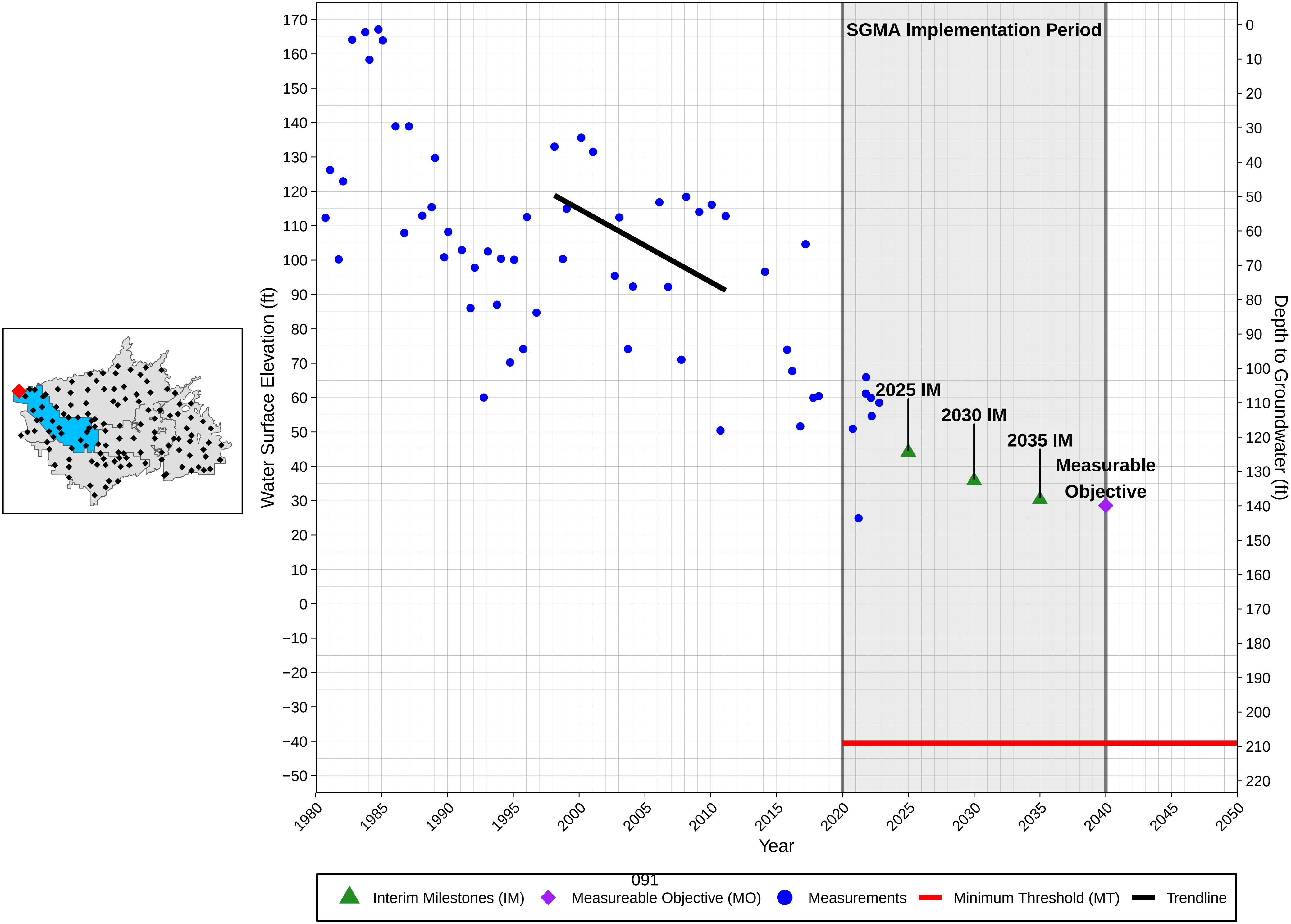
366188N1199104W001
GSE: 232.4
McMullin Area GSA

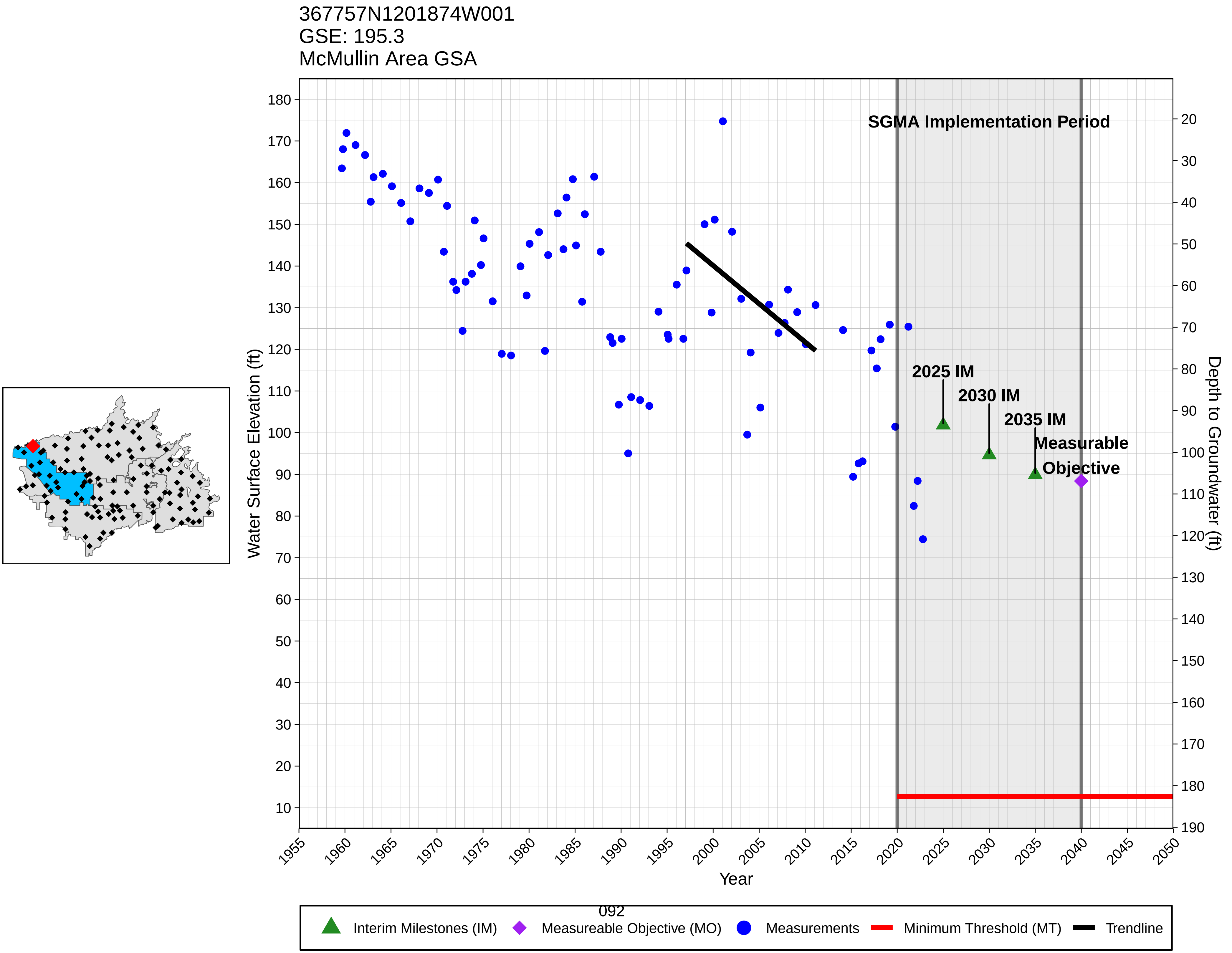


367488N1202374W001
GSE: 167.6
McMullin Area GSA

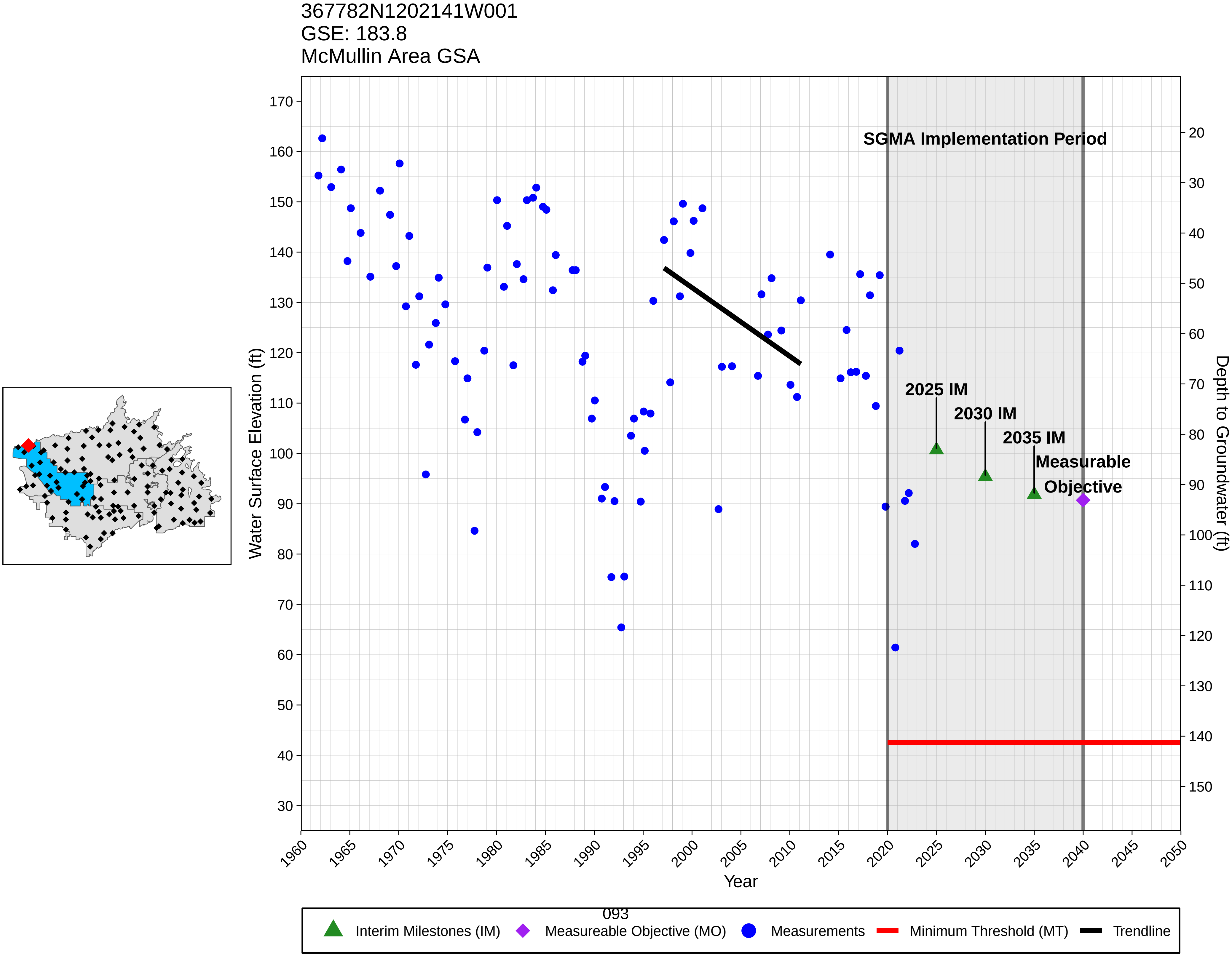


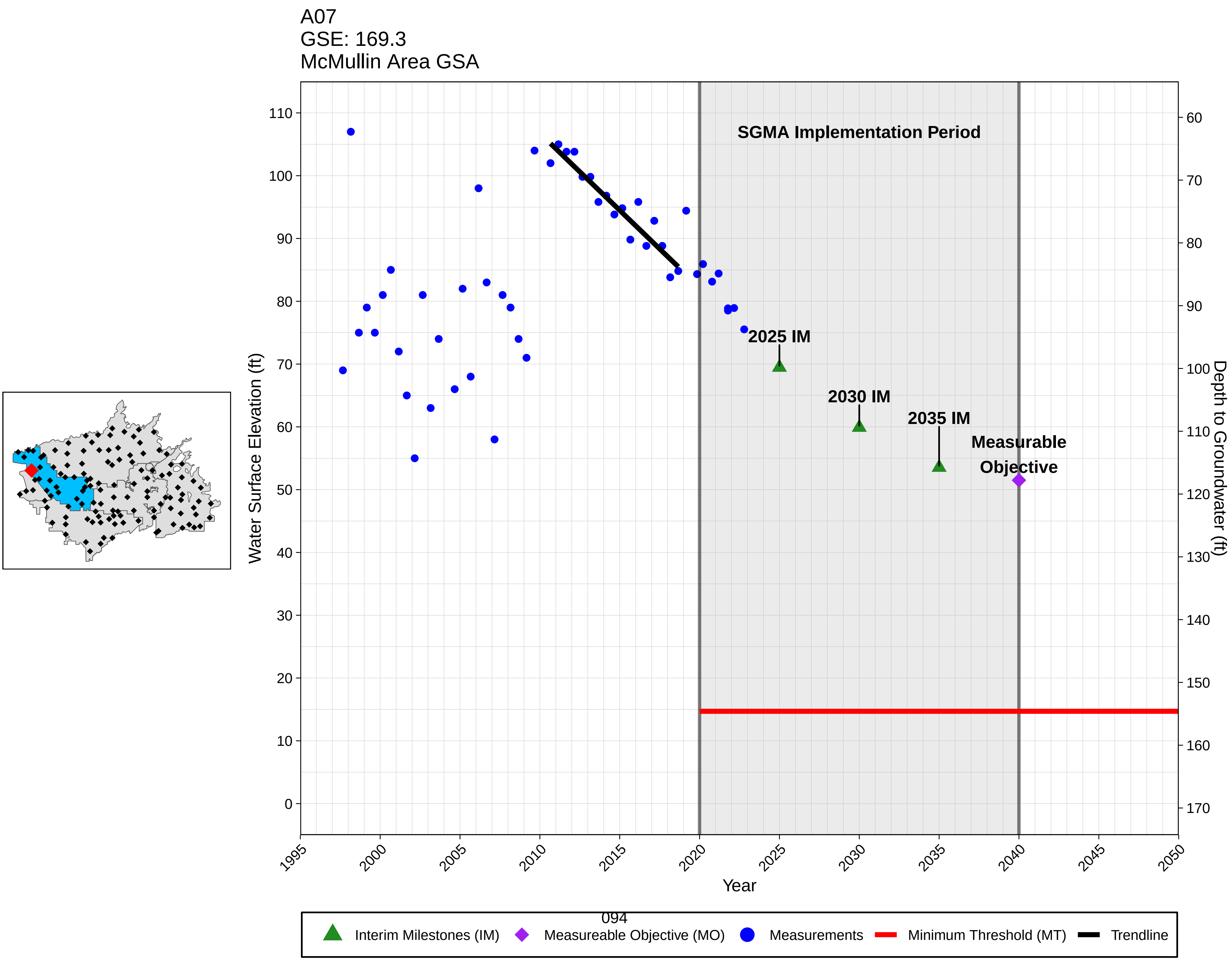
367705N1202691W001
GSE: 168.5
McMullin Area GSA





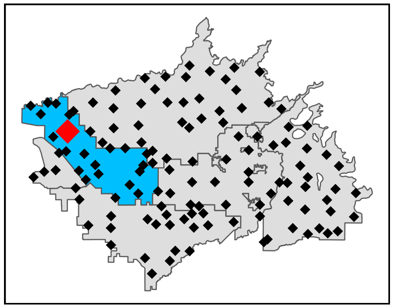
367757N1201874W001
GSE: 195.3
McMullin Area GSA
SGMA Implementation Period
2025 IM
2030 IM
2035 IM
Measurable Objective
Water Surface Elevation (ft)
Depth to Groundwater (ft)
Year
Interim Milestones (IM)
Measureable Objective (MO)
Measurements
Minimum Threshold (MT)
Trendline

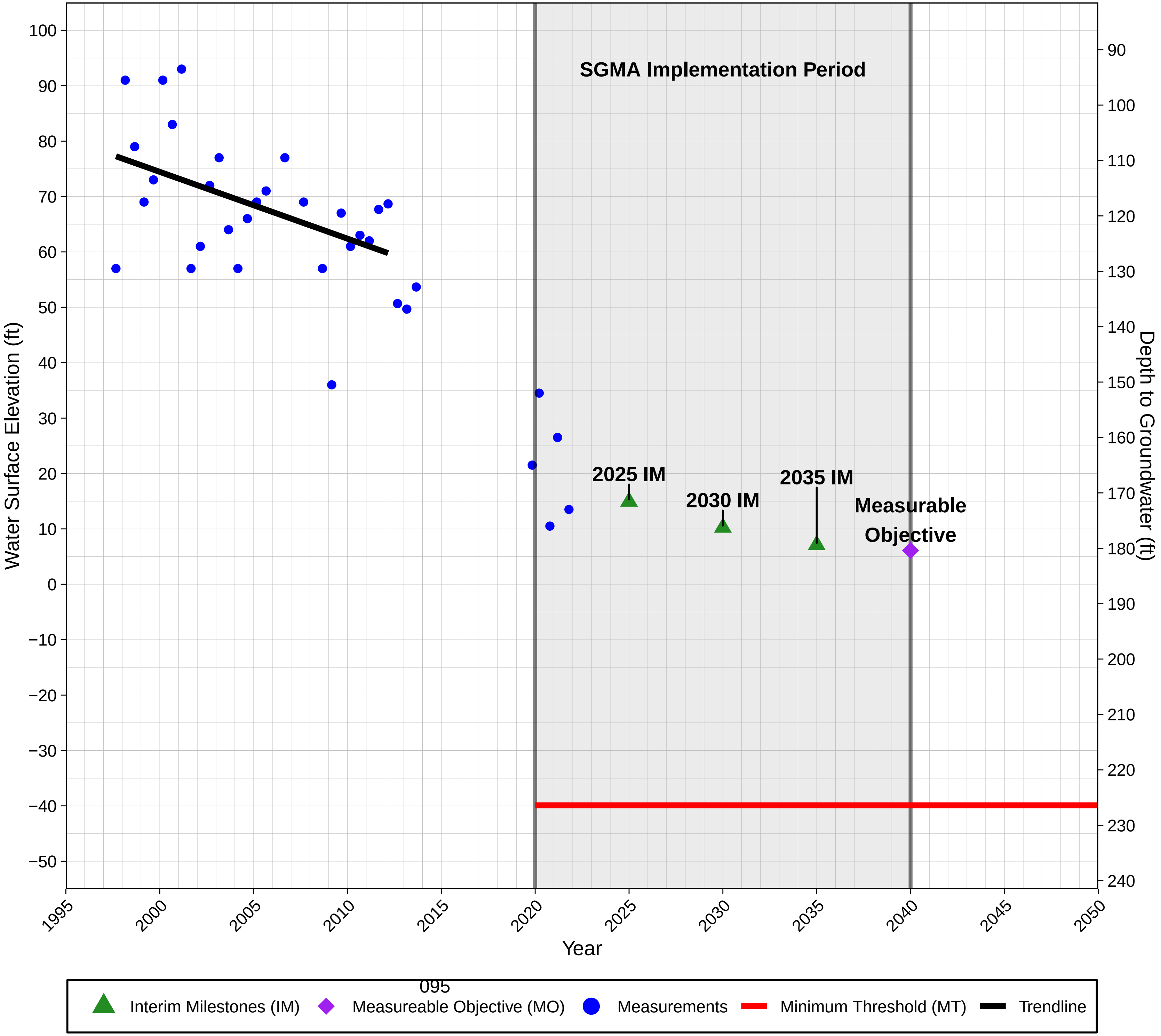

367782N1202141W001
GSE: 183.8
McMullin Area GSA
SGMA Implementation Period
2025 IM
2030 IM
2035 IM
Measurable Objective
Water Surface Elevation (ft)
Depth to Groundwater (ft)
Year
Interim Milestones (IM)
Measureable Objective (MO)
Measurements
Minimum Threshold (MT)
Trendline



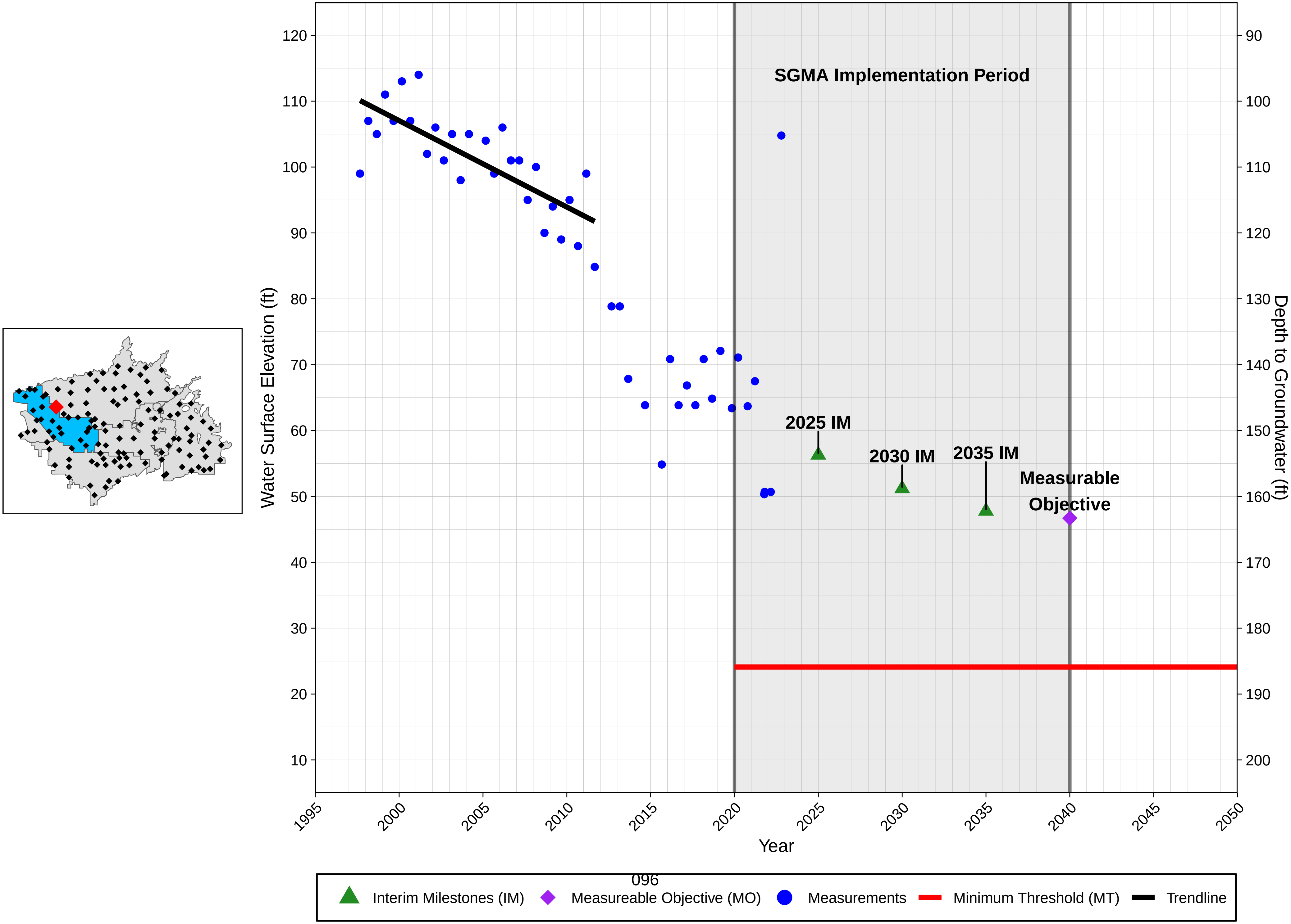
A07
GSE: 169.3
McMullin Area GSA
SGMA Implementation Period
2025 IM
2030 IM
2035 IM
Measurable Objective
Water Surface Elevation (ft)
Depth to Groundwater (ft)
Year
Interim Milestones (IM)
Measureable Objective (MO)
Measurements
Minimum Threshold (MT)
Trendline

A15
GSE: 186.5
McMullin Area GSA

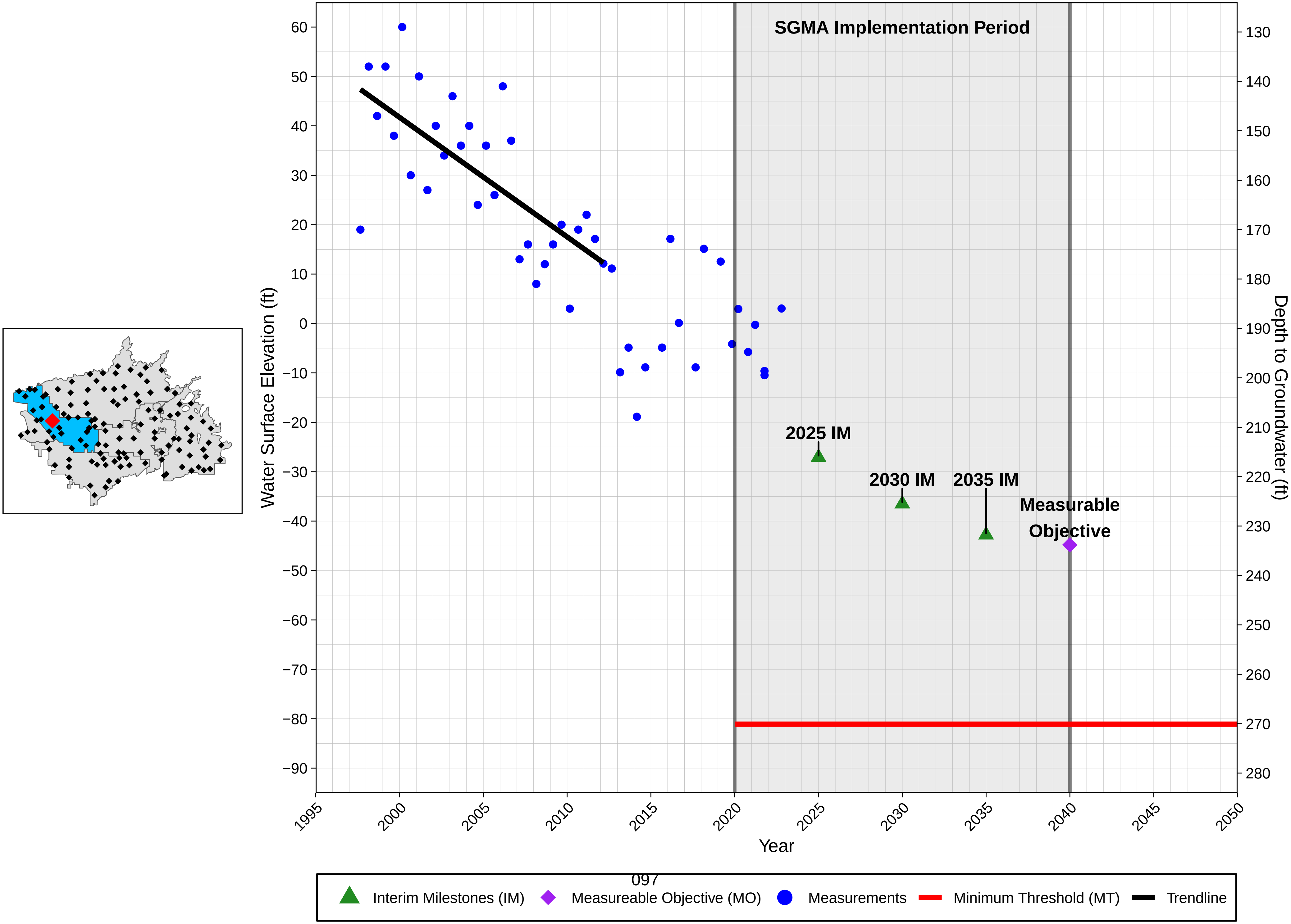


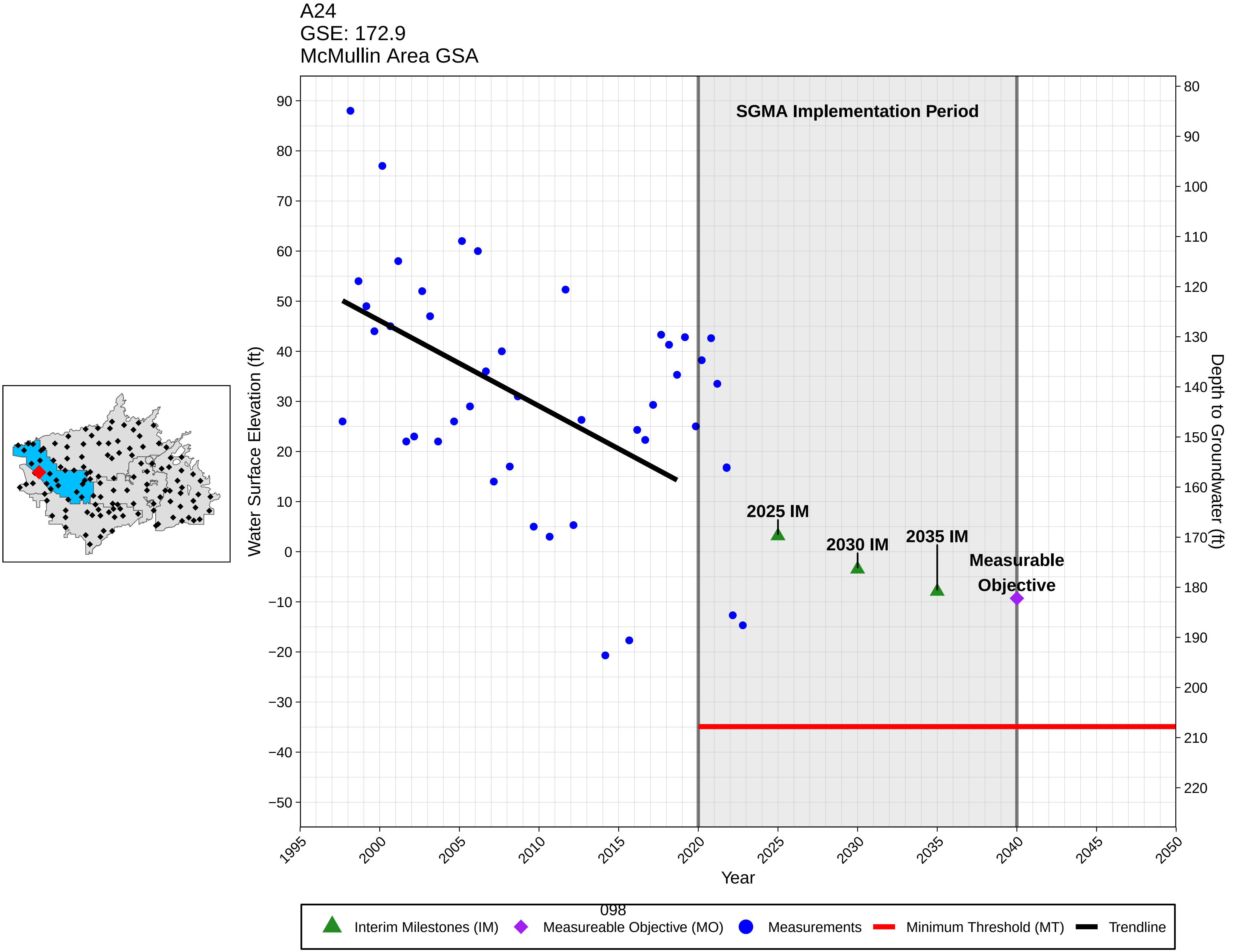


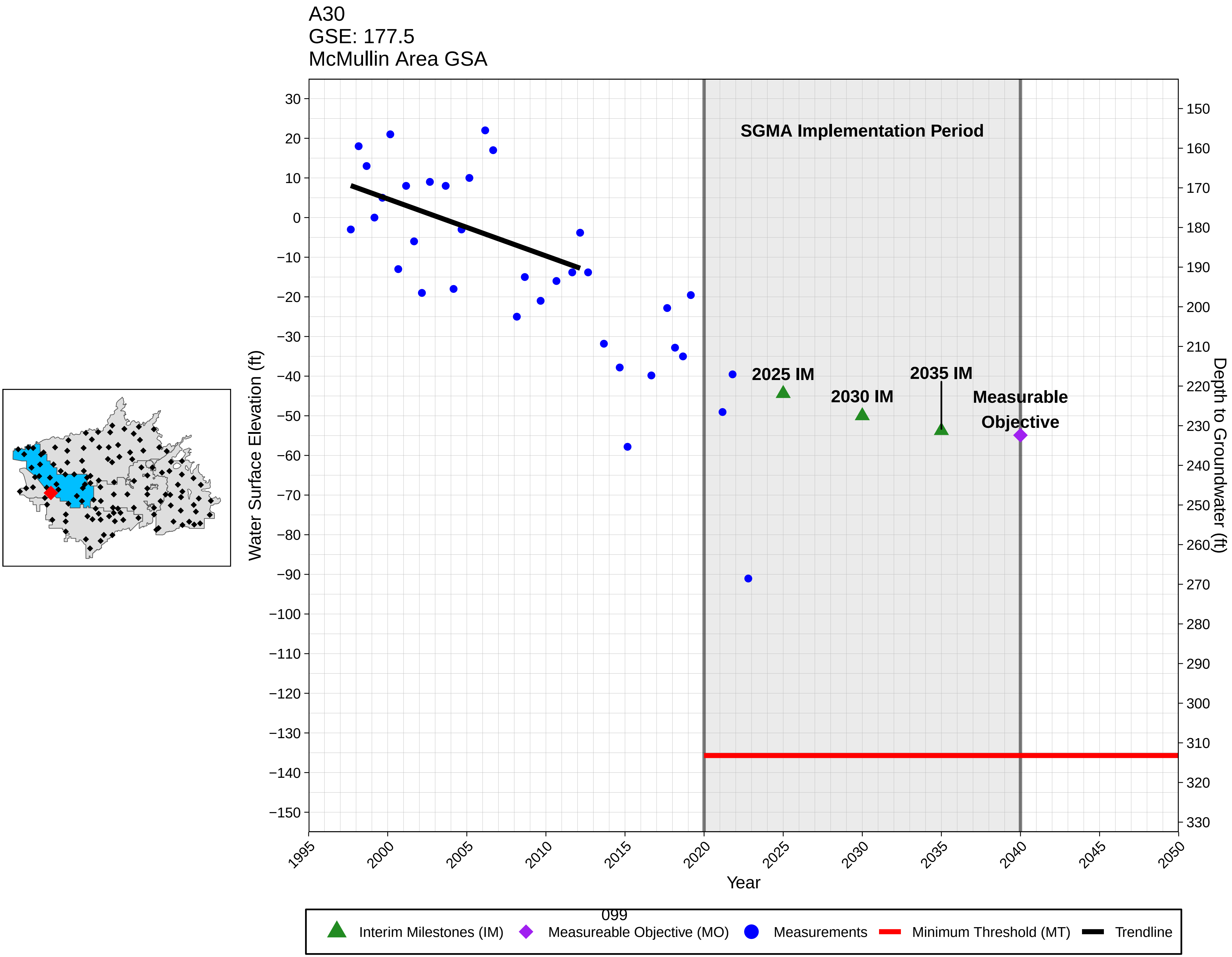
A17
GSE: 210
McMullin Area GSA



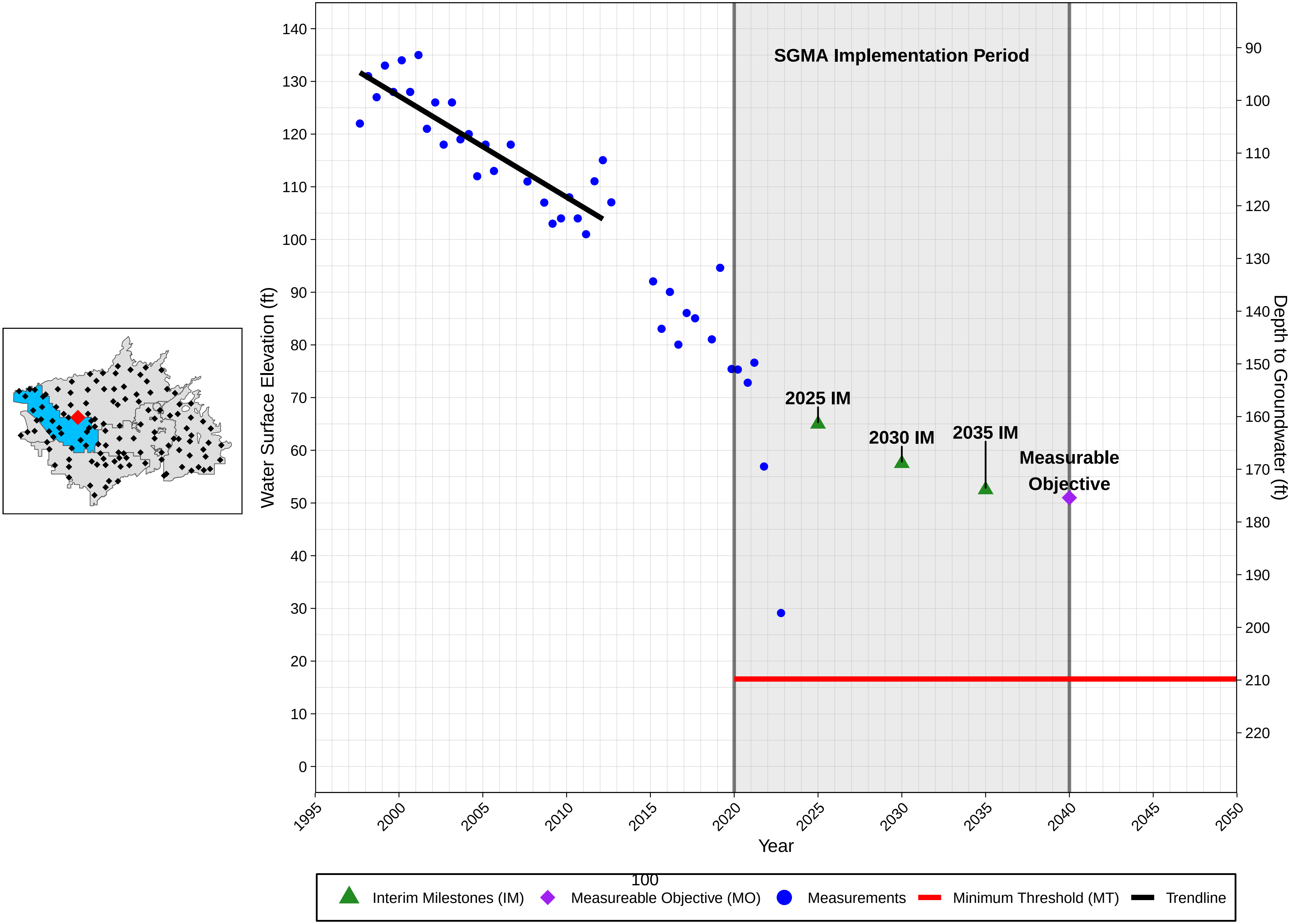
A23
GSE: 189
McMullin Area GSA

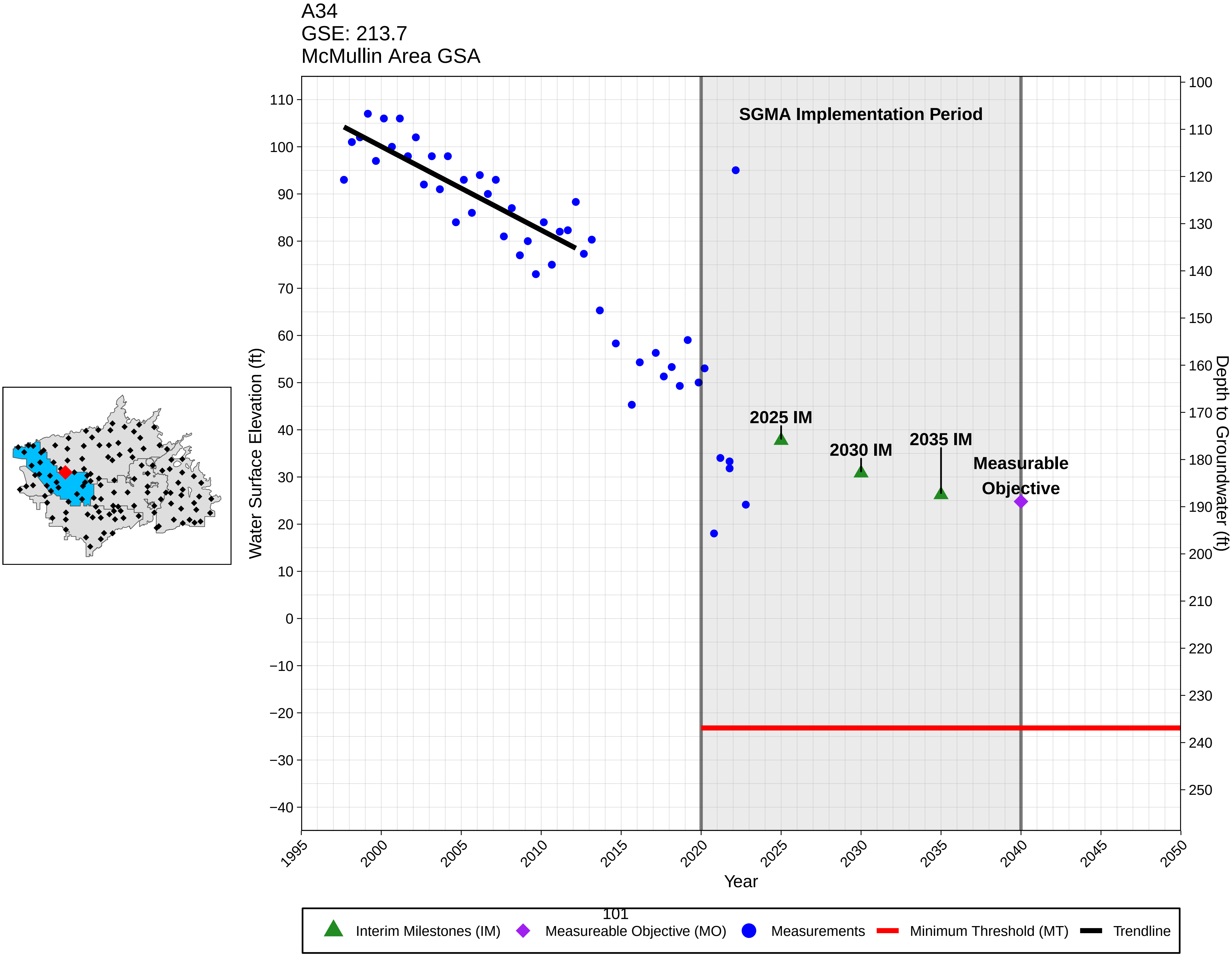



A24
GSE: 172.9
McMullin Area GSA
SGMA Implementation Period
2025 IM
2030 IM
2035 IM
Measurable Objective
Water Surface Elevation (ft)
Depth to Groundwater (ft)
Year
Interim Milestones (IM)
Measureable Objective (MO)
Measurements
Minimum Threshold (MT)
Trendline

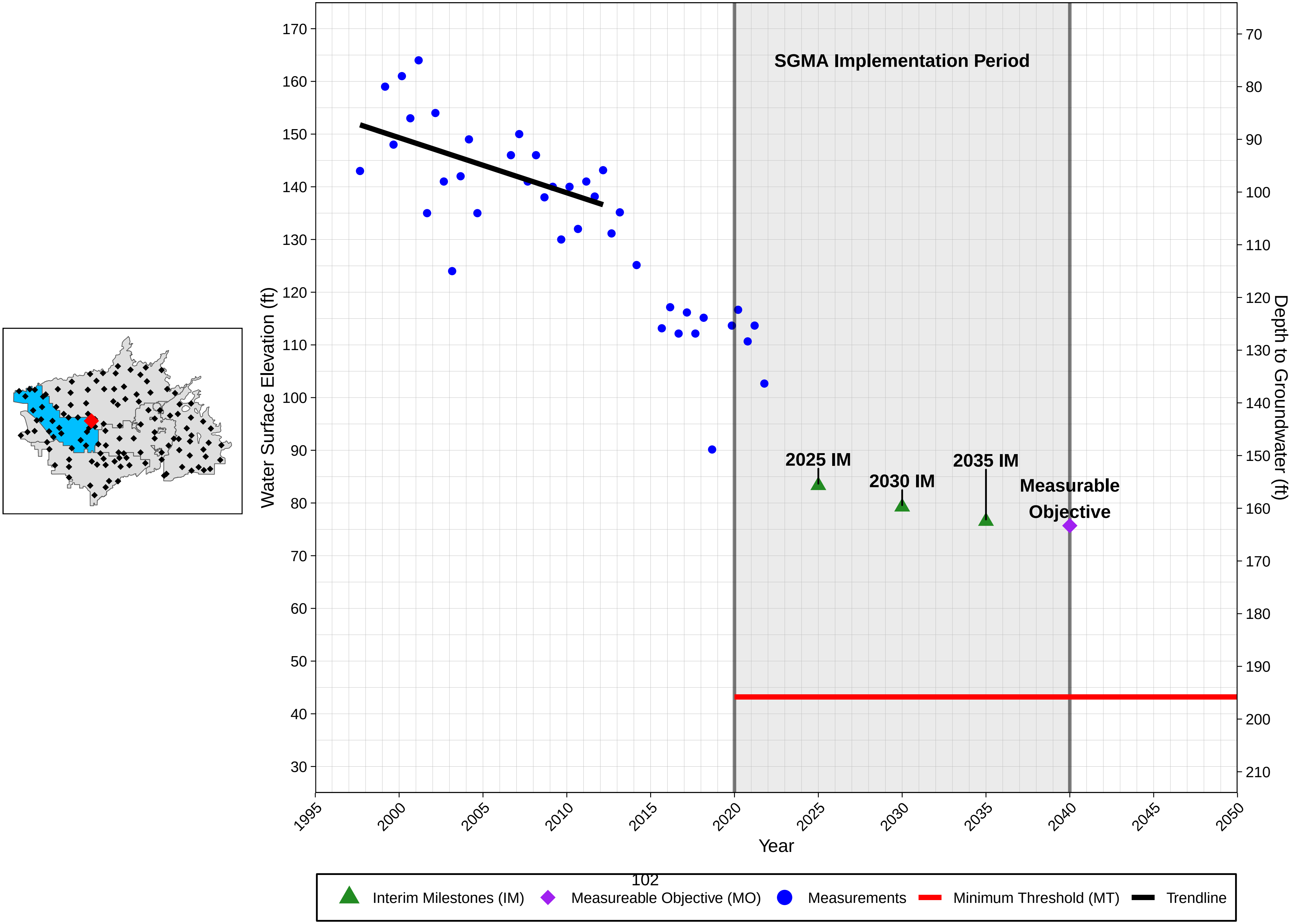

A30
GSE: 177.5
McMullin Area GSA
SGMA Implementation Period
2025 IM
2030 IM
2035 IM
Measurable Objective
Water Surface Elevation (ft)
Depth to Groundwater (ft)
Year
Interim Milestones (IM)
Measureable Objective (MO)
Measurements
Minimum Threshold (MT)
Trendline

A32
GSE: 226.4
McMullin Area GSA

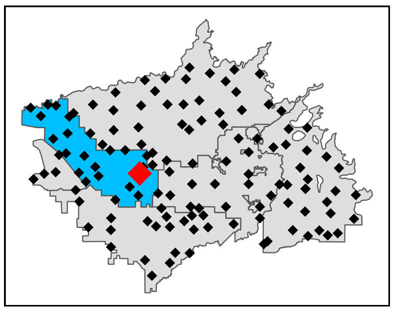


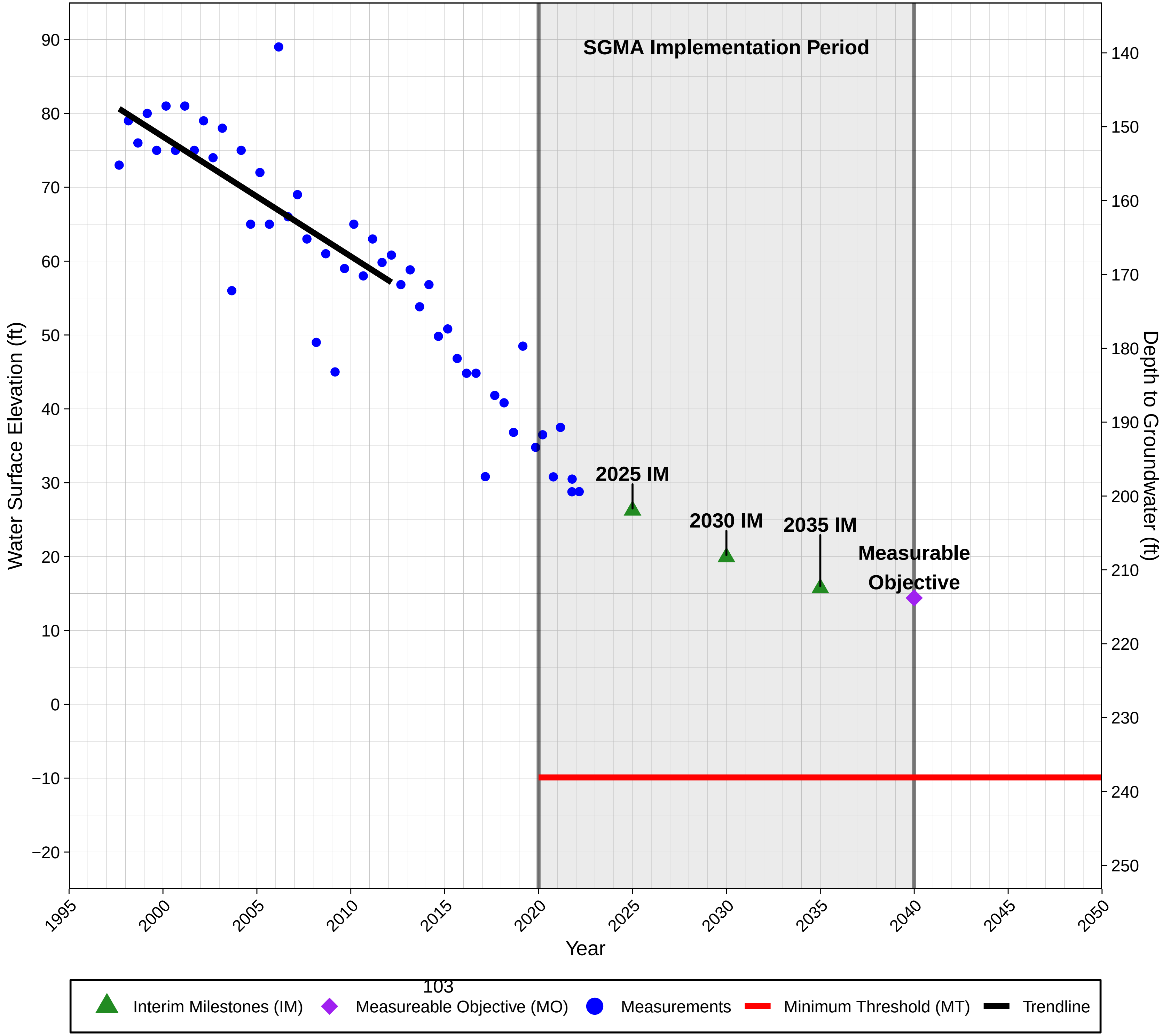

A34
GSE: 213.7
McMullin Area GSA
SGMA Implementation Period
2025 IM
2030 IM
2035 IM
Measurable
Objective
Water Surface Elevation (ft)
Depth to Groundwater (ft)
Year
Interim Milestones (IM)
Measureable Objective (MO)
Measurements
Minimum Threshold (MT)
Trendline

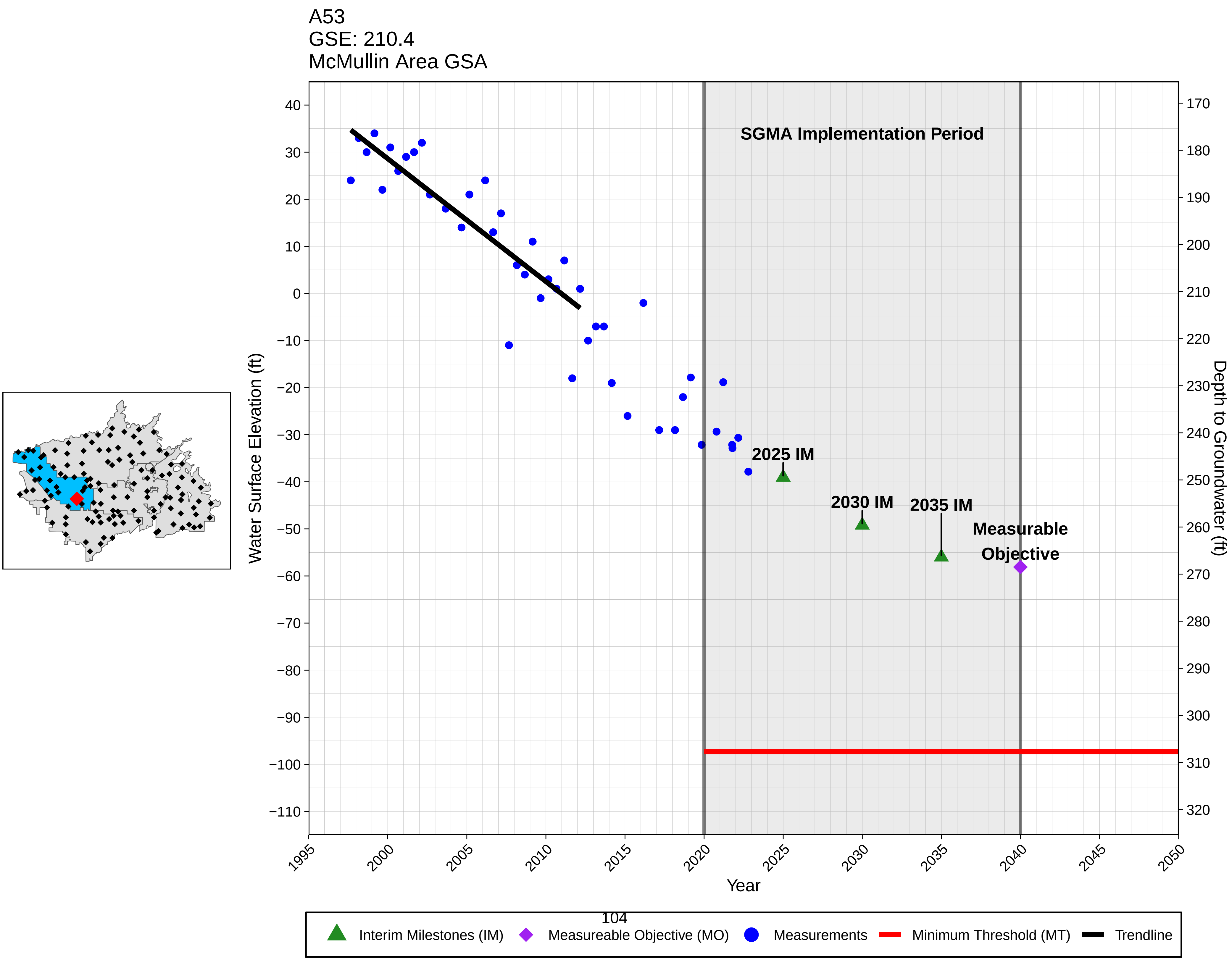
A46
GSE: 239
McMullin Area GSA



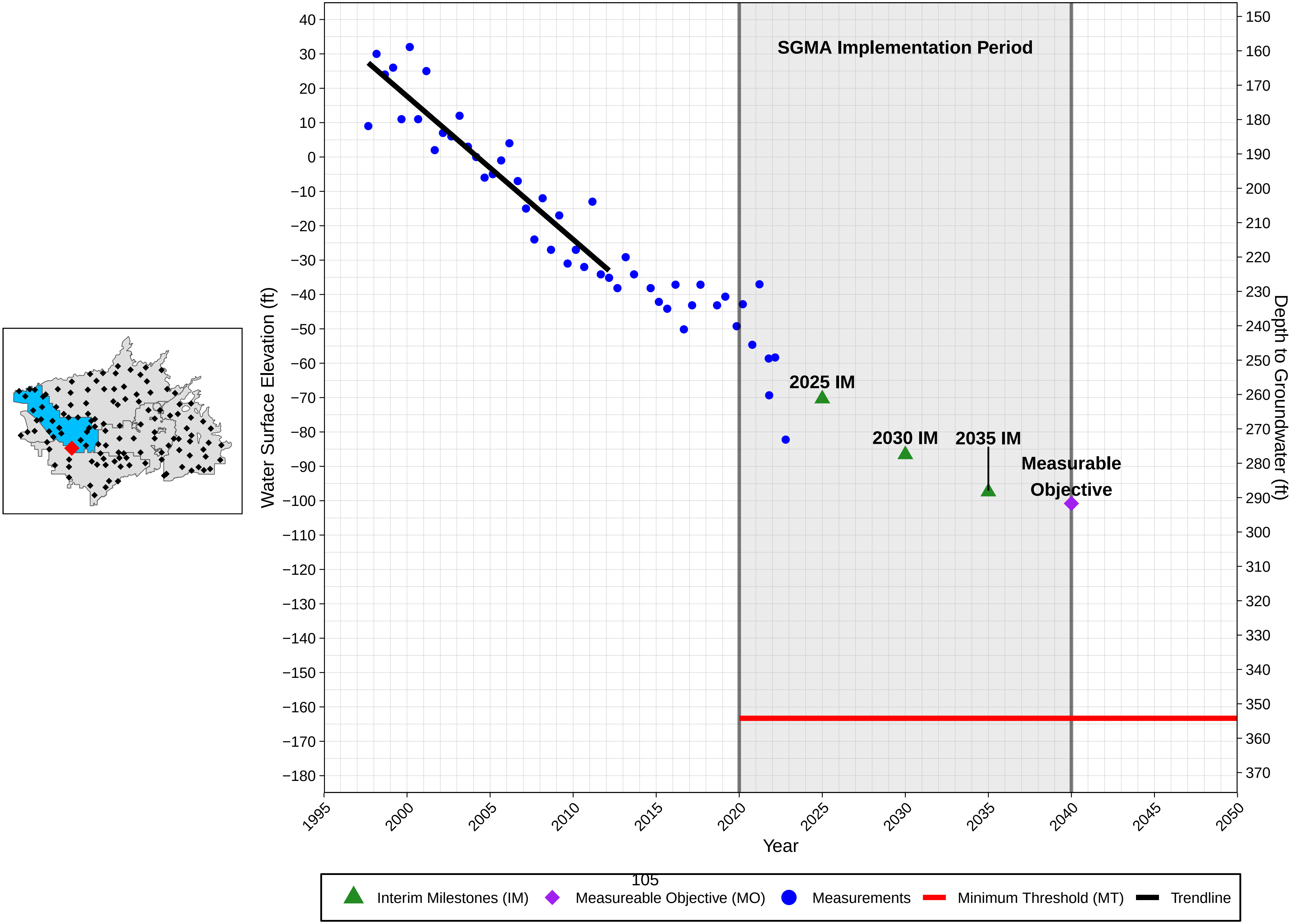
A51
GSE: 228.2
McMullin Area GSA

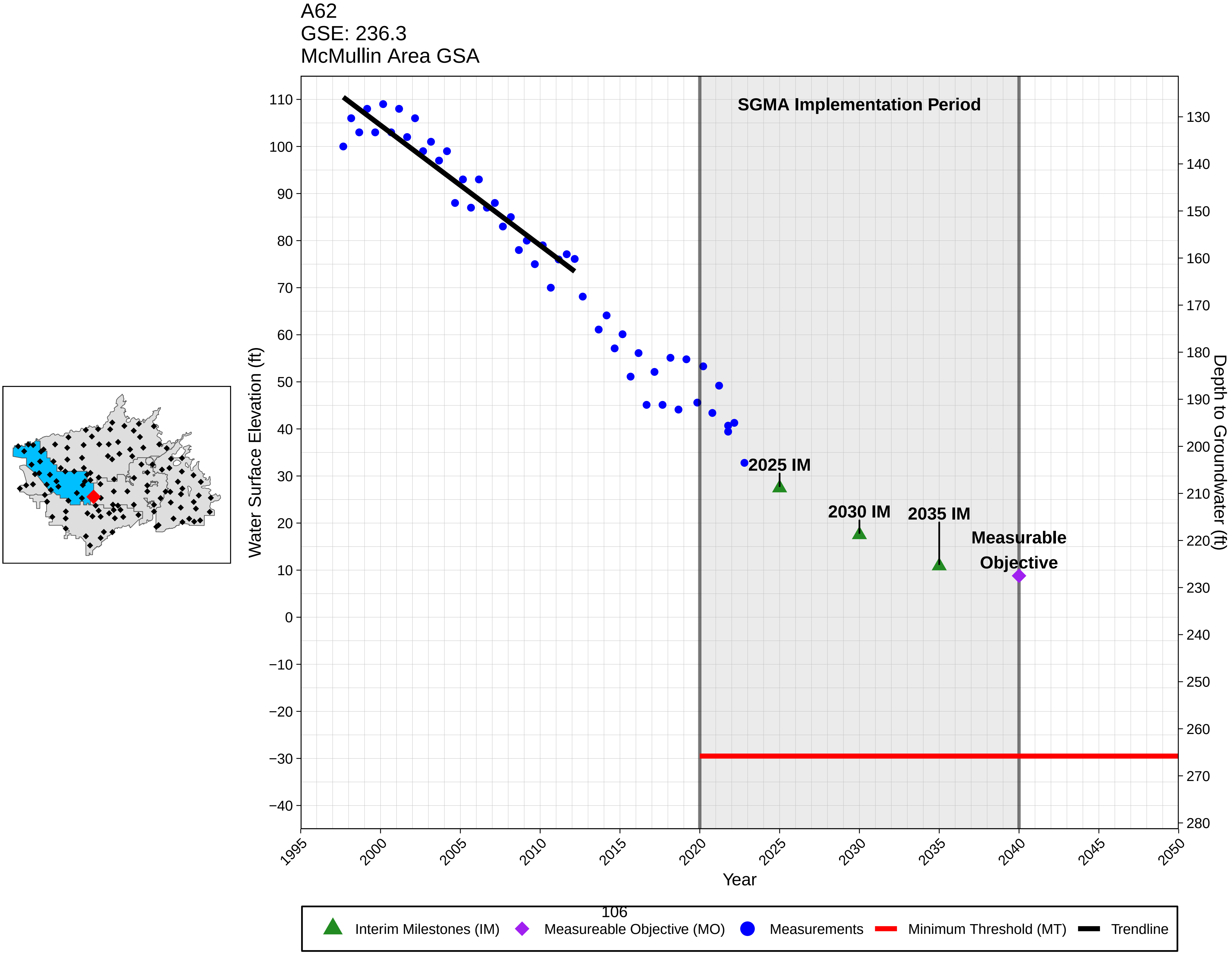




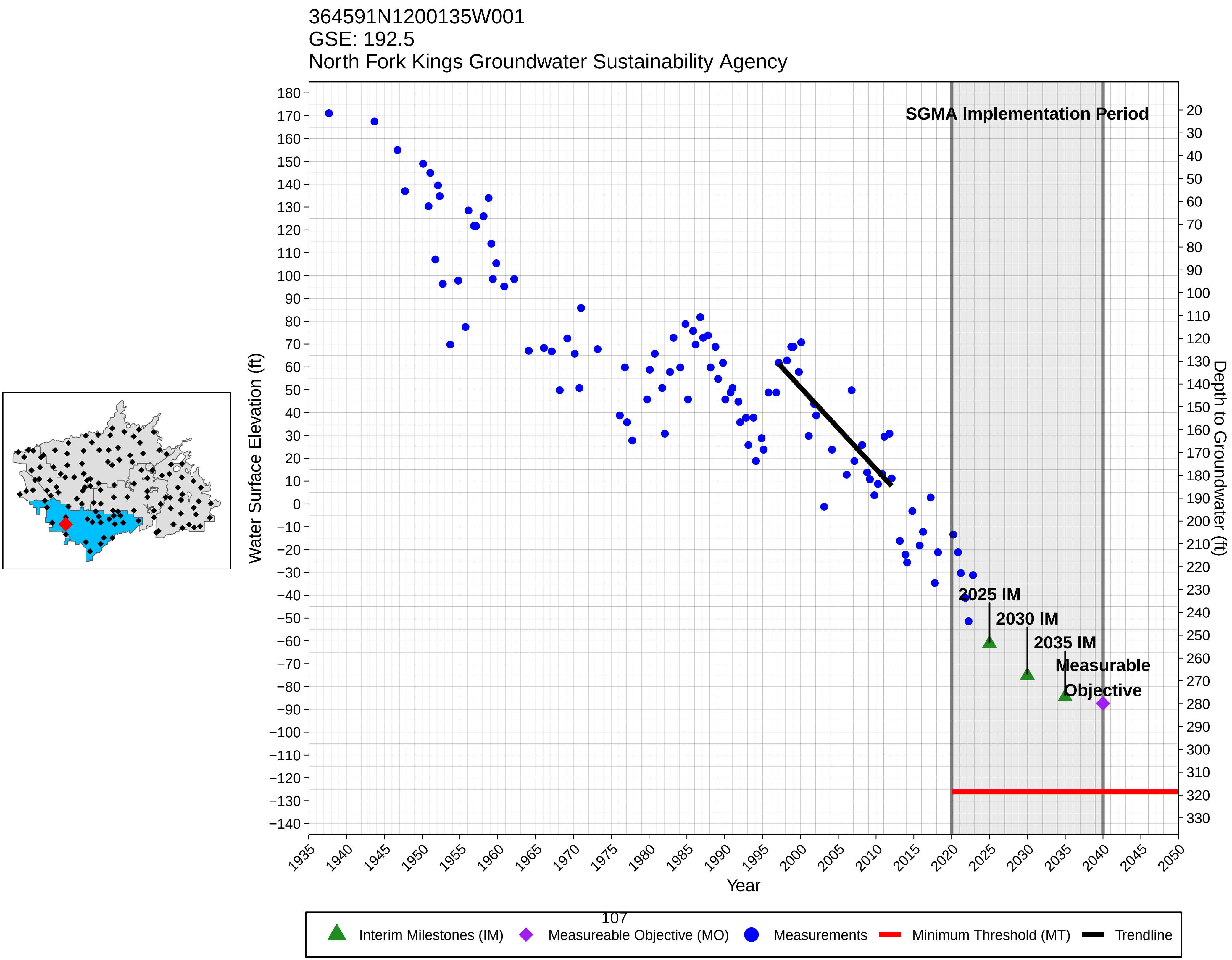

A53
GSE: 210.4
McMullin Area GSA
SGMA Implementation Period
2025 IM
2030 IM
2035 IM
Measurable Objective
Water Surface Elevation (ft)
Depth to Groundwater (ft)
Year
Interim Milestones (IM)
Measureable Objective (MO)
Measurements
Minimum Threshold (MT)
Trendline

A58
GSE: 190.9
McMullin Area GSA

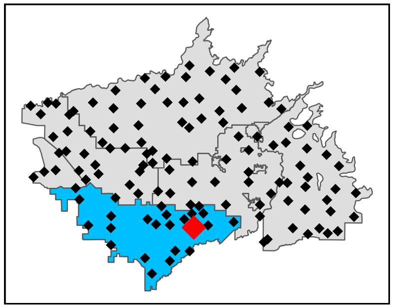


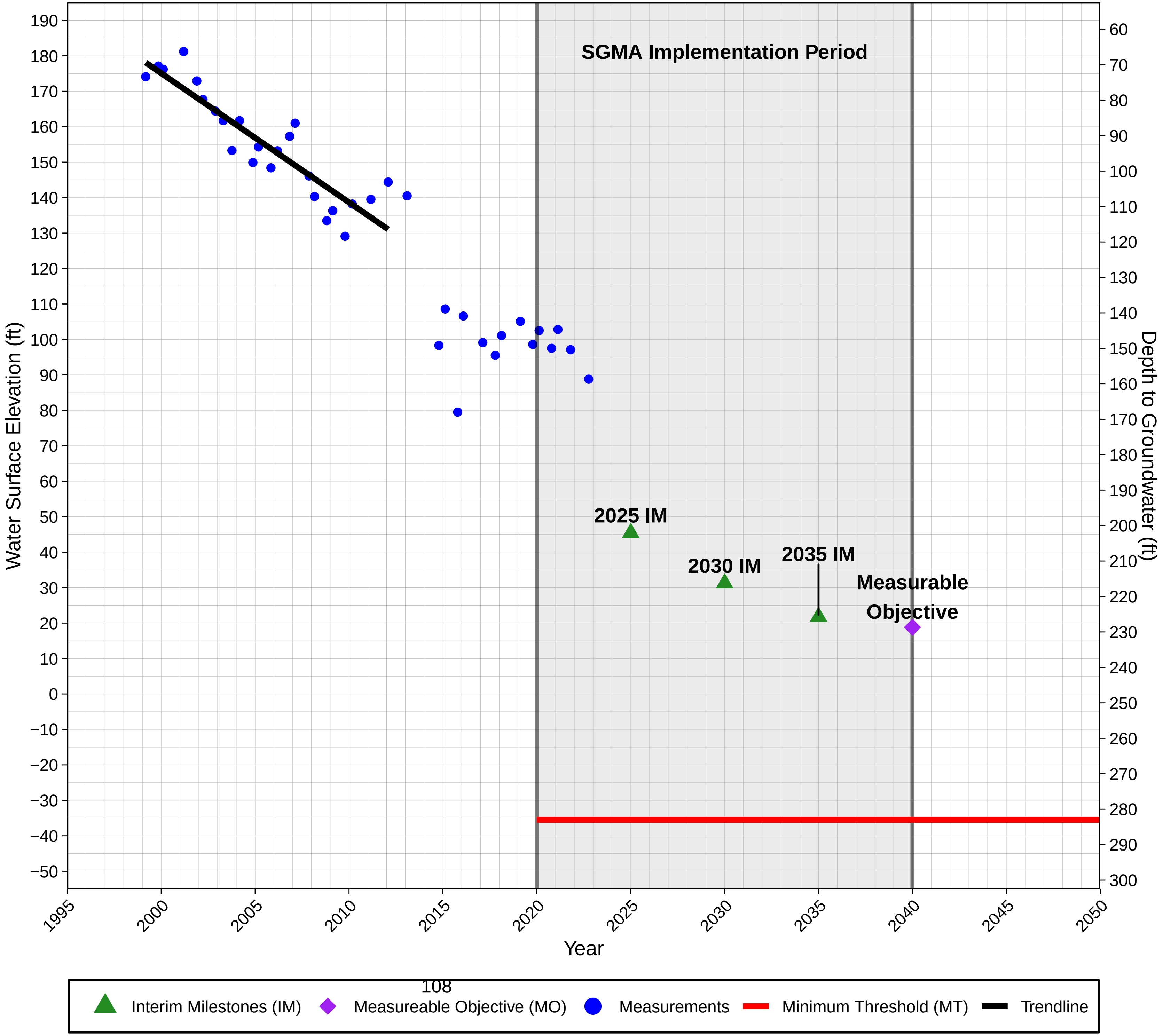


A62
GSE: 236.3
McMullin Area GSA
SGMA Implementation Period
2025 IM
2030 IM
2035 IM
Measurable Objective
Water Surface Elevation (ft)
Depth to Groundwater (ft)
Year
Interim Milestones (IM)
Measureable Objective (MO)
Measurements
Minimum Threshold (MT)
Trendline

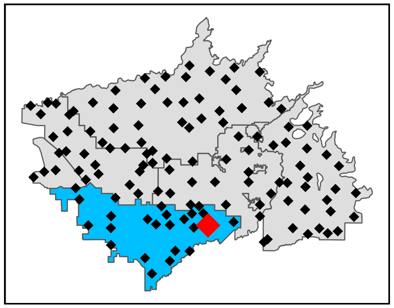

364591N1200135W001
GSE: 192.5
North Fork Kings Groundwater Sustainability Agency
SGMA Implementation Period
2025 IM
2030 IM
2035 IM
Measurable Objective
Water Surface Elevation (ft)
Depth to Groundwater (ft)
Year
Interim Milestones (IM)
Measureable Objective (MO)
Measurements
Minimum Threshold (MT)
Trendline

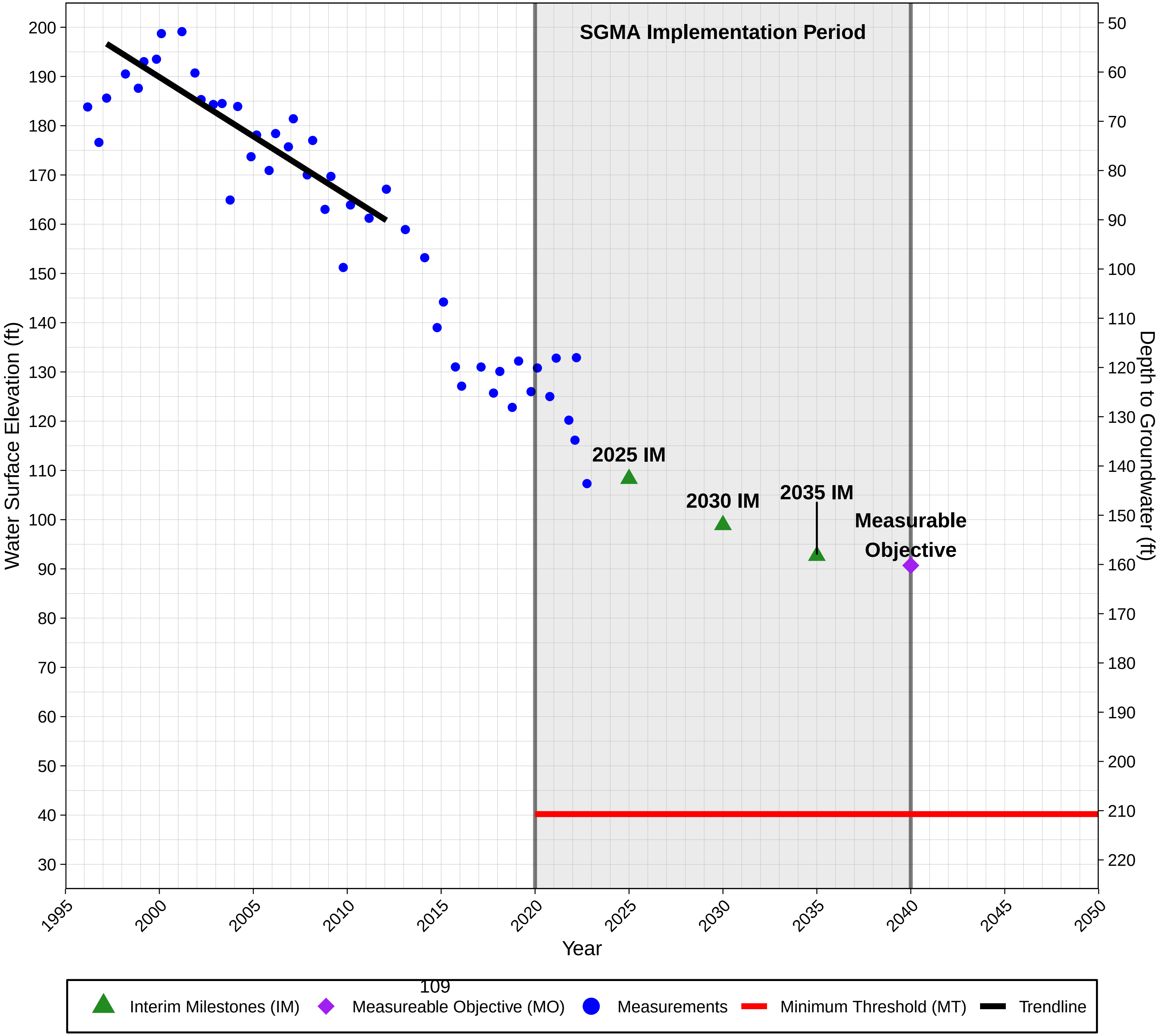
364603N1197510W001
GSE: 247.5
North Fork Kings Groundwater Sustainability Agency



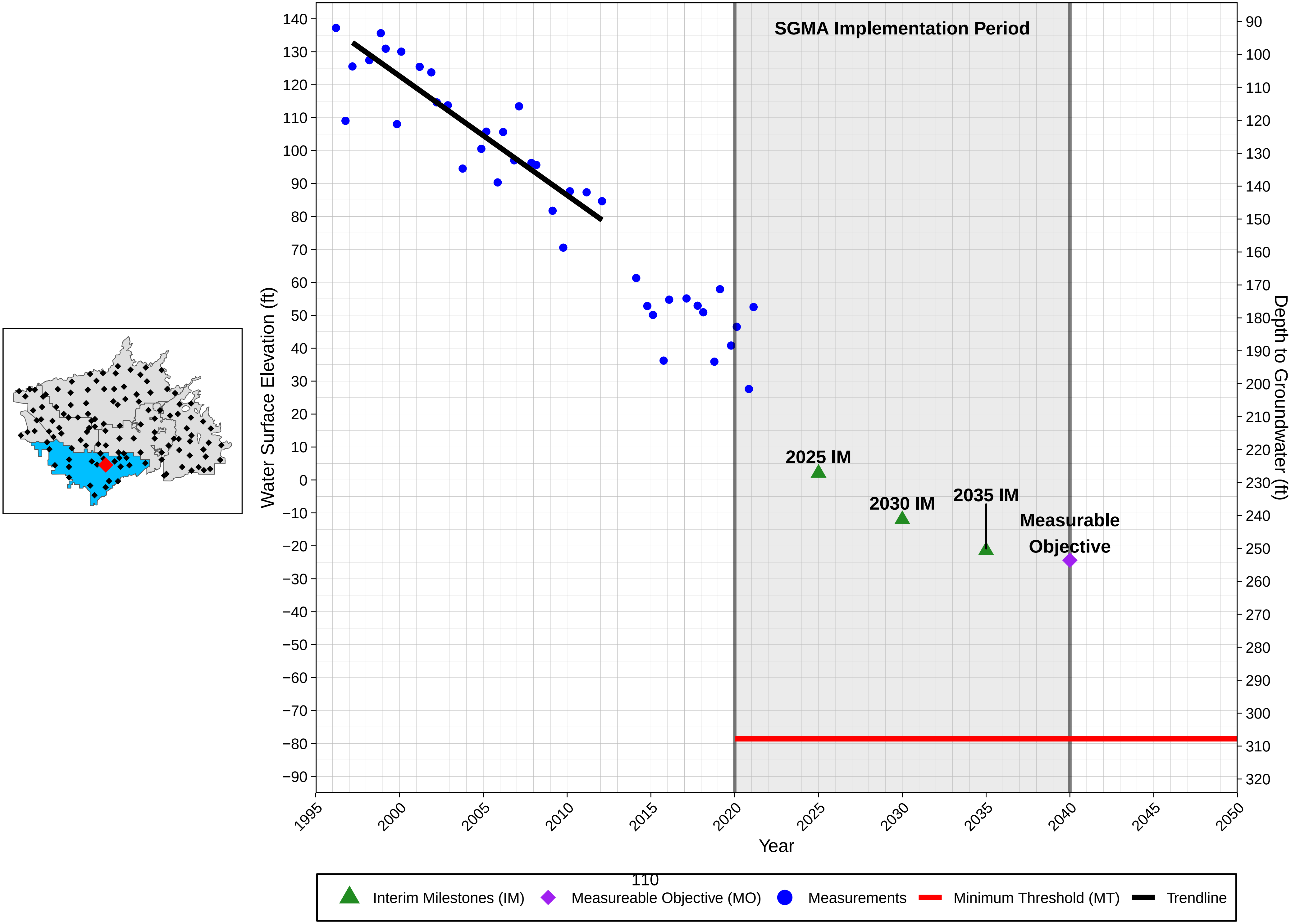


364667N1197041W001
GSE: 250.9
North Fork Kings Groundwater Sustainability Agency

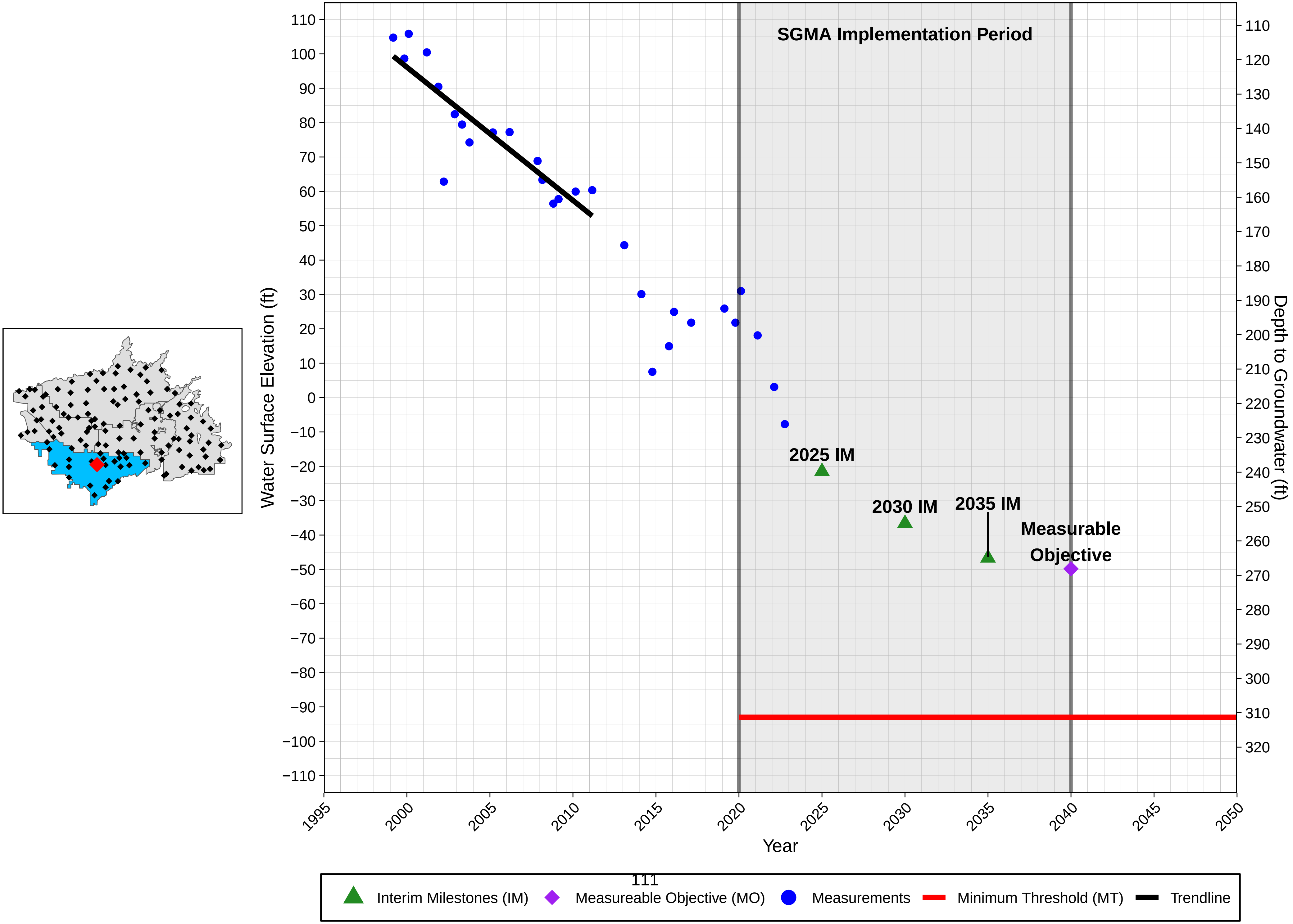




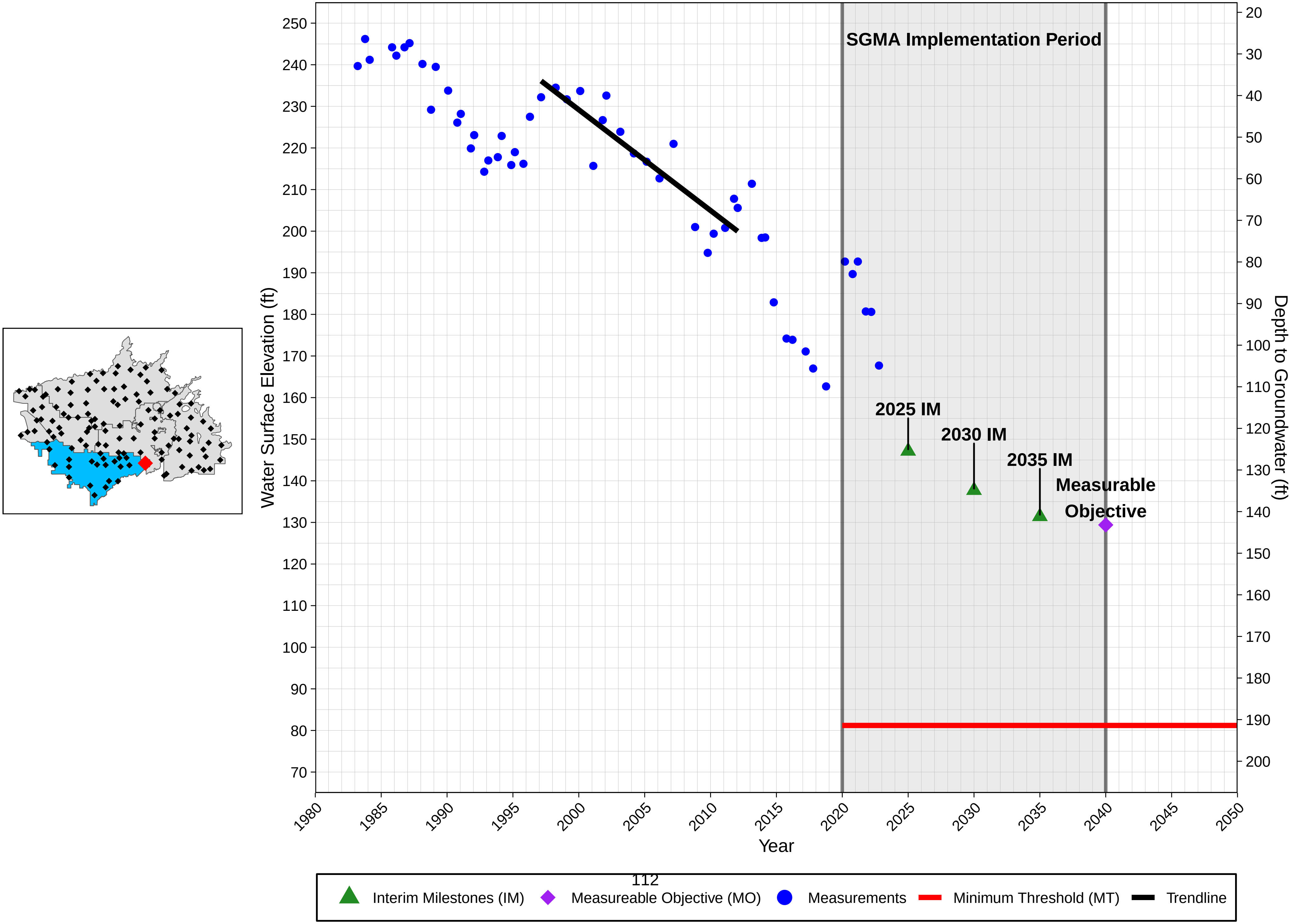
364668N1198257W001
GSE: 229.2
North Fork Kings Groundwater Sustainability Agency



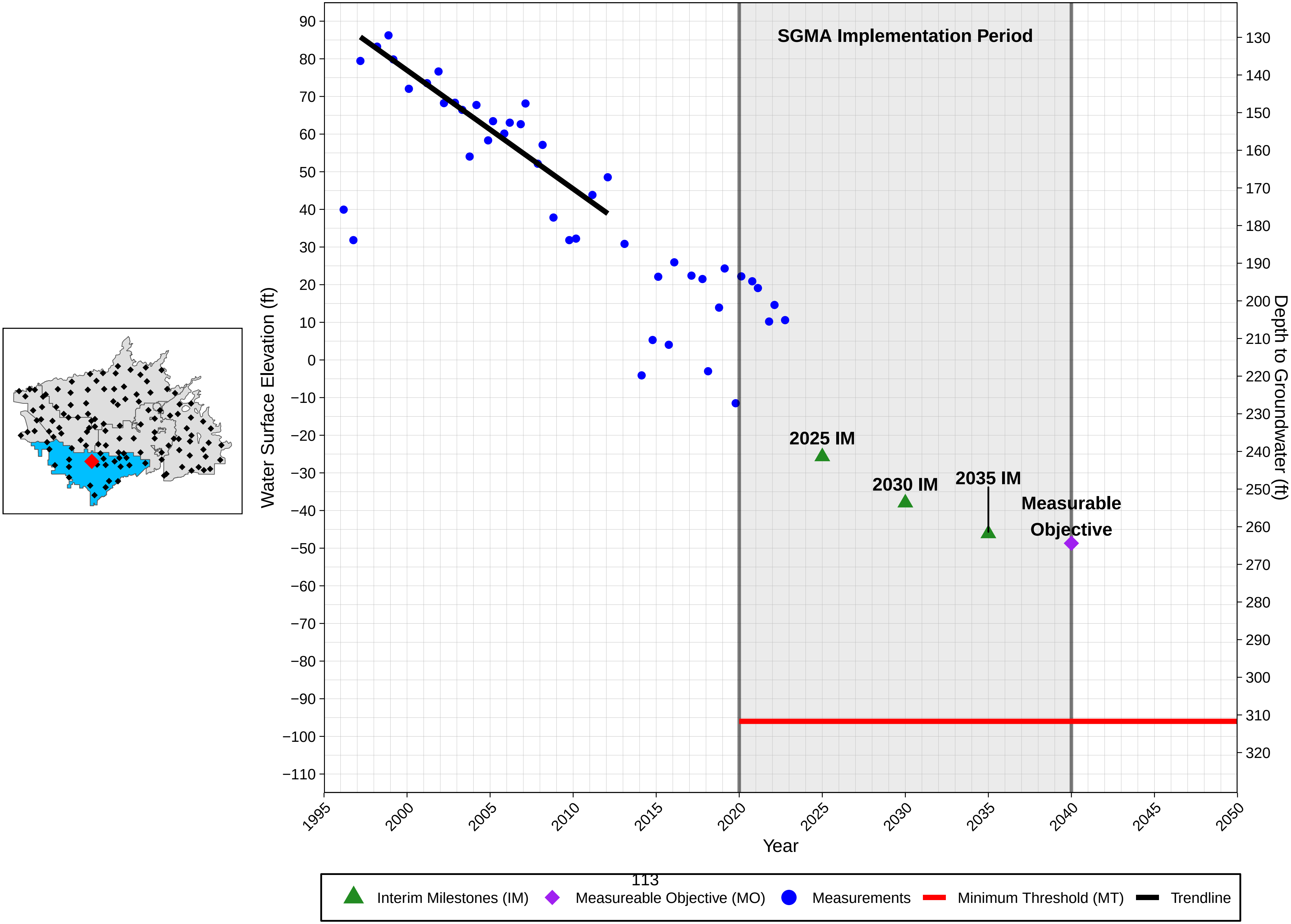
364682N1198732W001
GSE: 218.3
North Fork Kings Groundwater Sustainability Agency

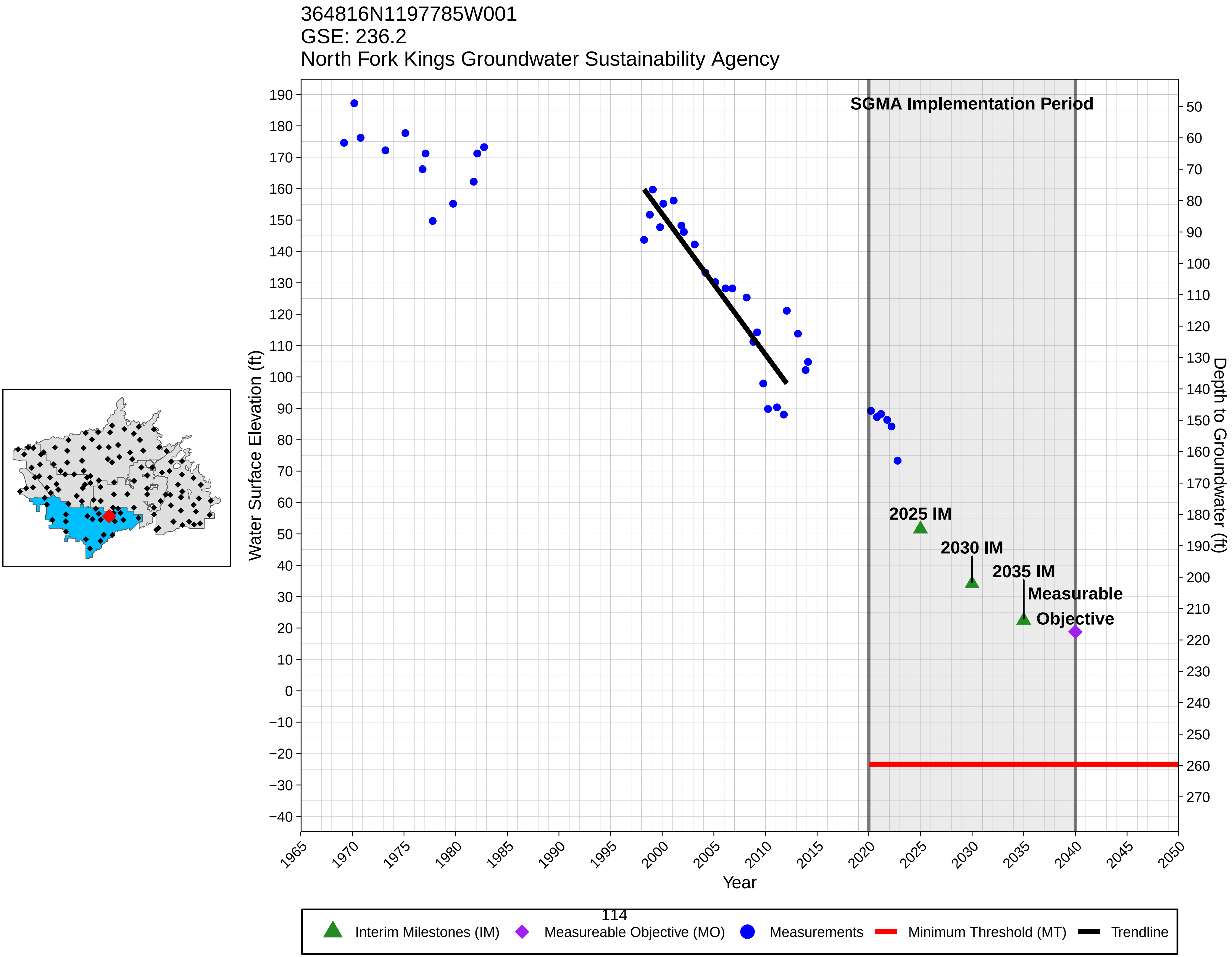


364739N1196227W001
GSE: 272.6
North Fork Kings Groundwater Sustainability Agency

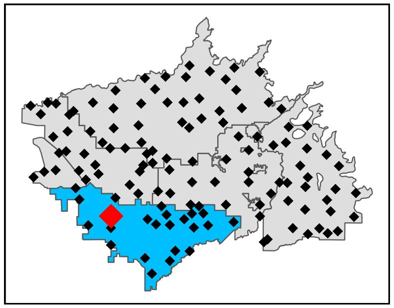


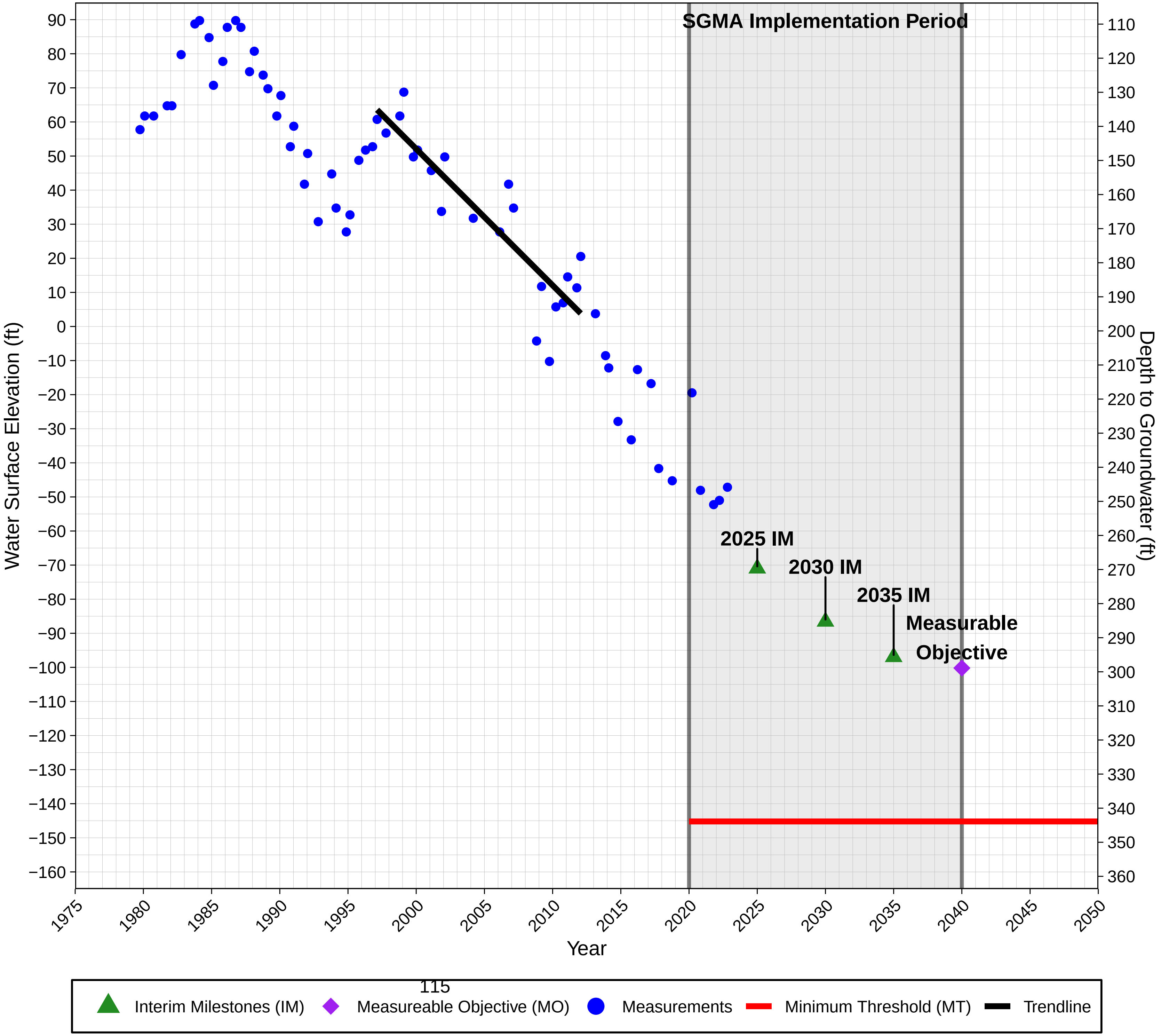
364813N1198968W001
GSE: 215.7
North Fork Kings Groundwater Sustainability Agency



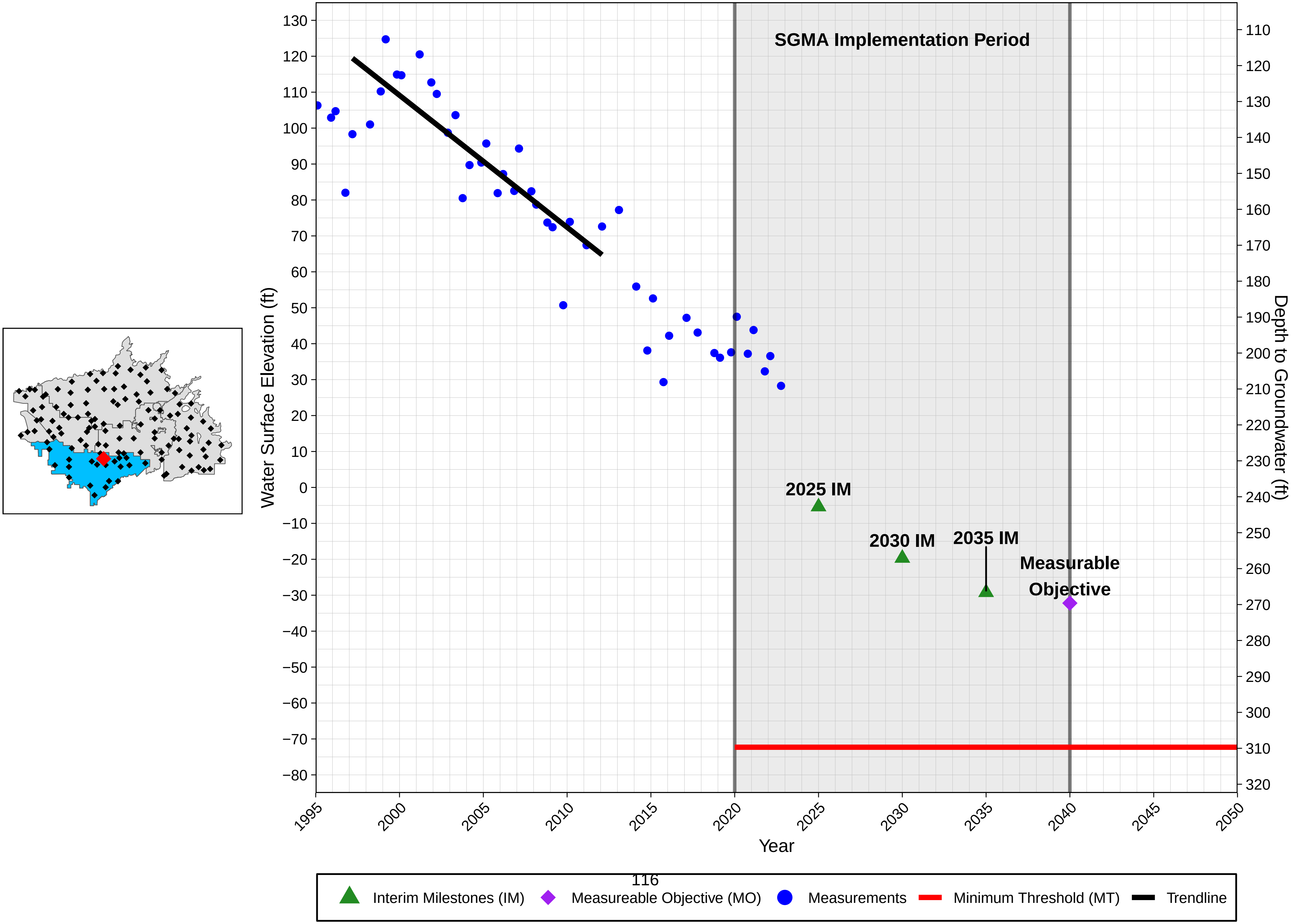

364816N1197785W001
GSE: 236.2
North Fork Kings Groundwater Sustainability Agency
SGMA Implementation Period
2025 IM
2030 IM
2035 IM
Measurable Objective
Water Surface Elevation (ft)
Depth to Groundwater (ft)
Year
Interim Milestones (IM)
Measureable Objective (MO)
Measurements
Minimum Threshold (MT)
Trendline

364893N1200127W001
GSE: 198.7
North Fork Kings Groundwater Sustainability Agency

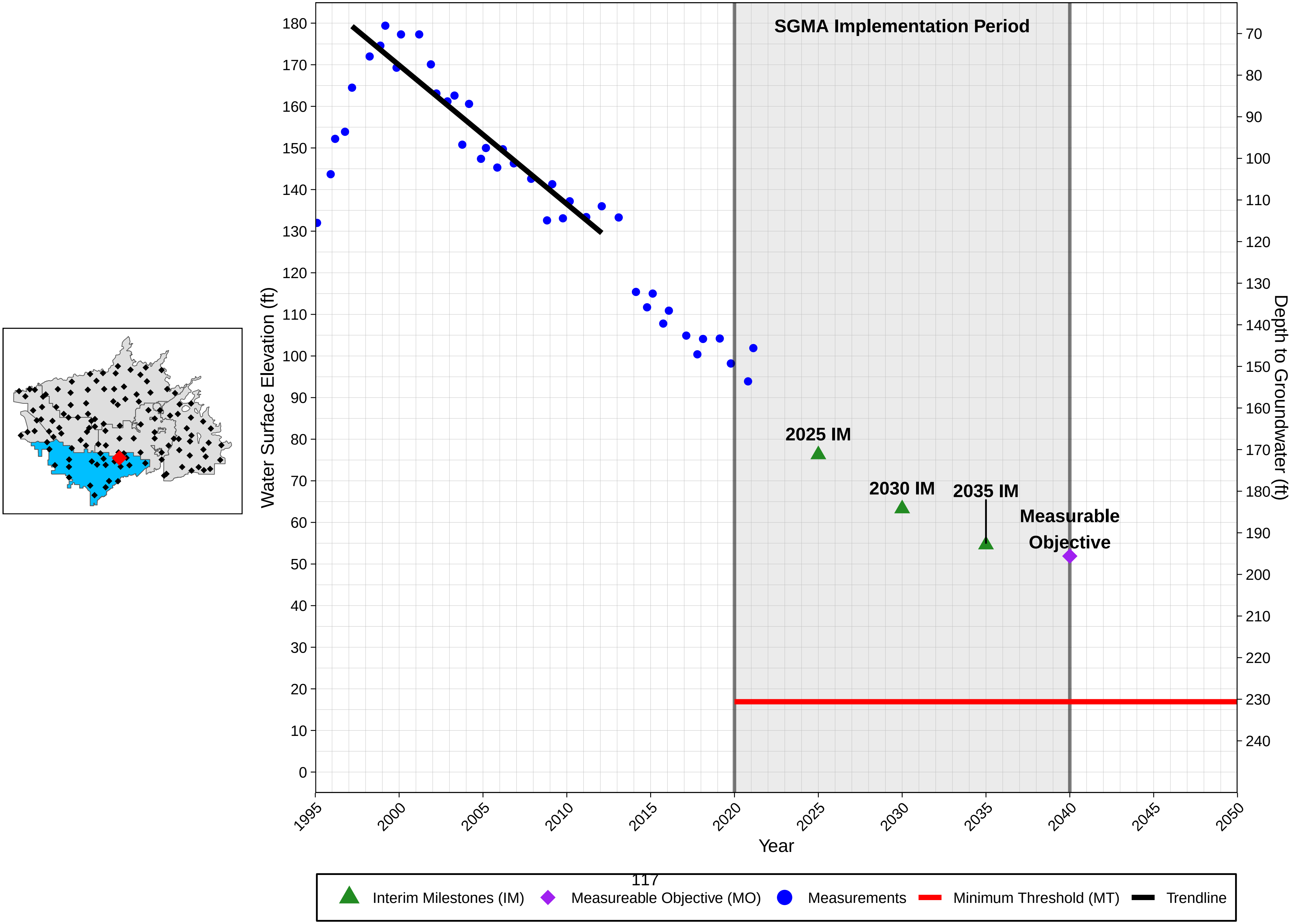




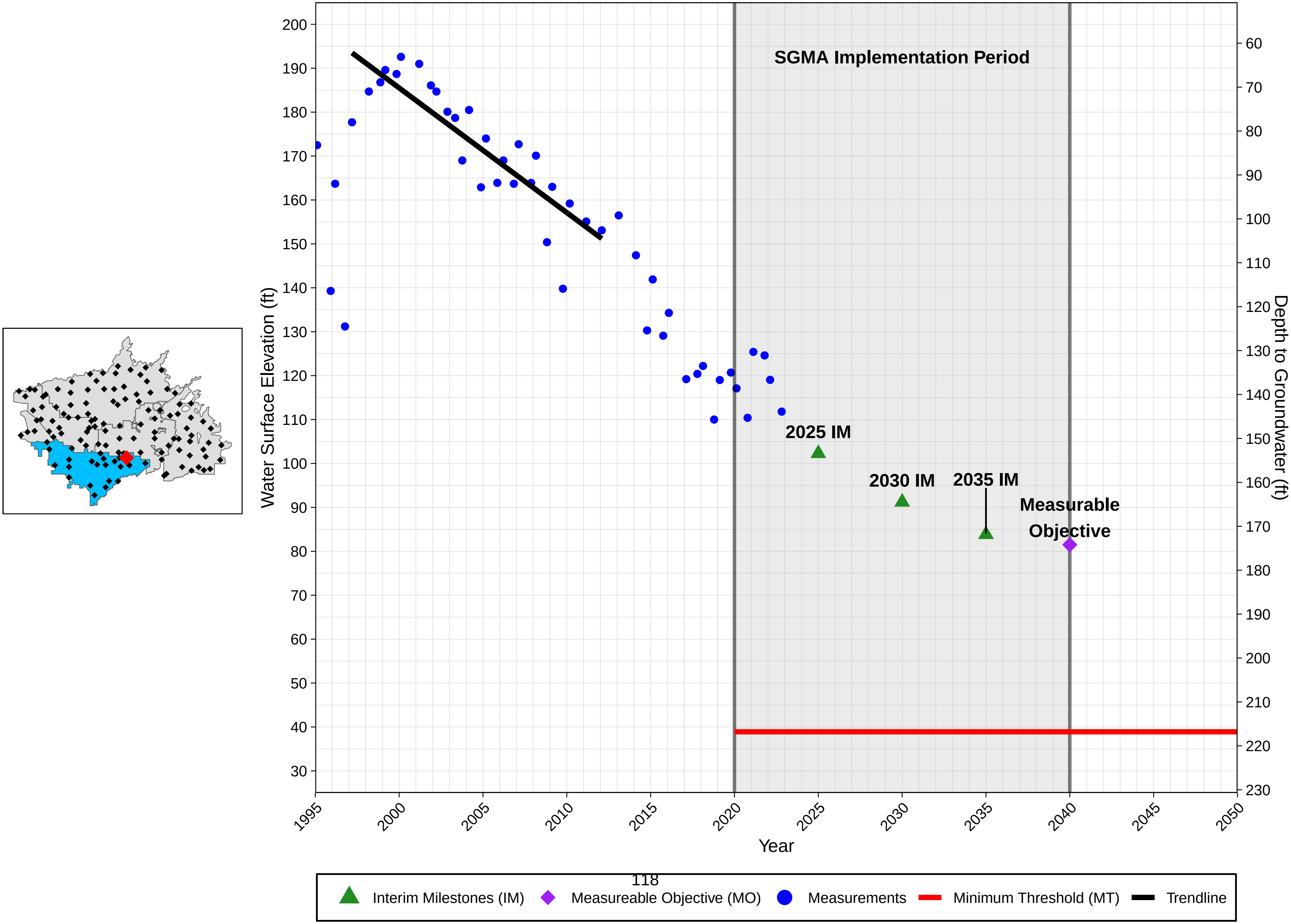
364916N1198366W001
GSE: 237.4
North Fork Kings Groundwater Sustainability Agency



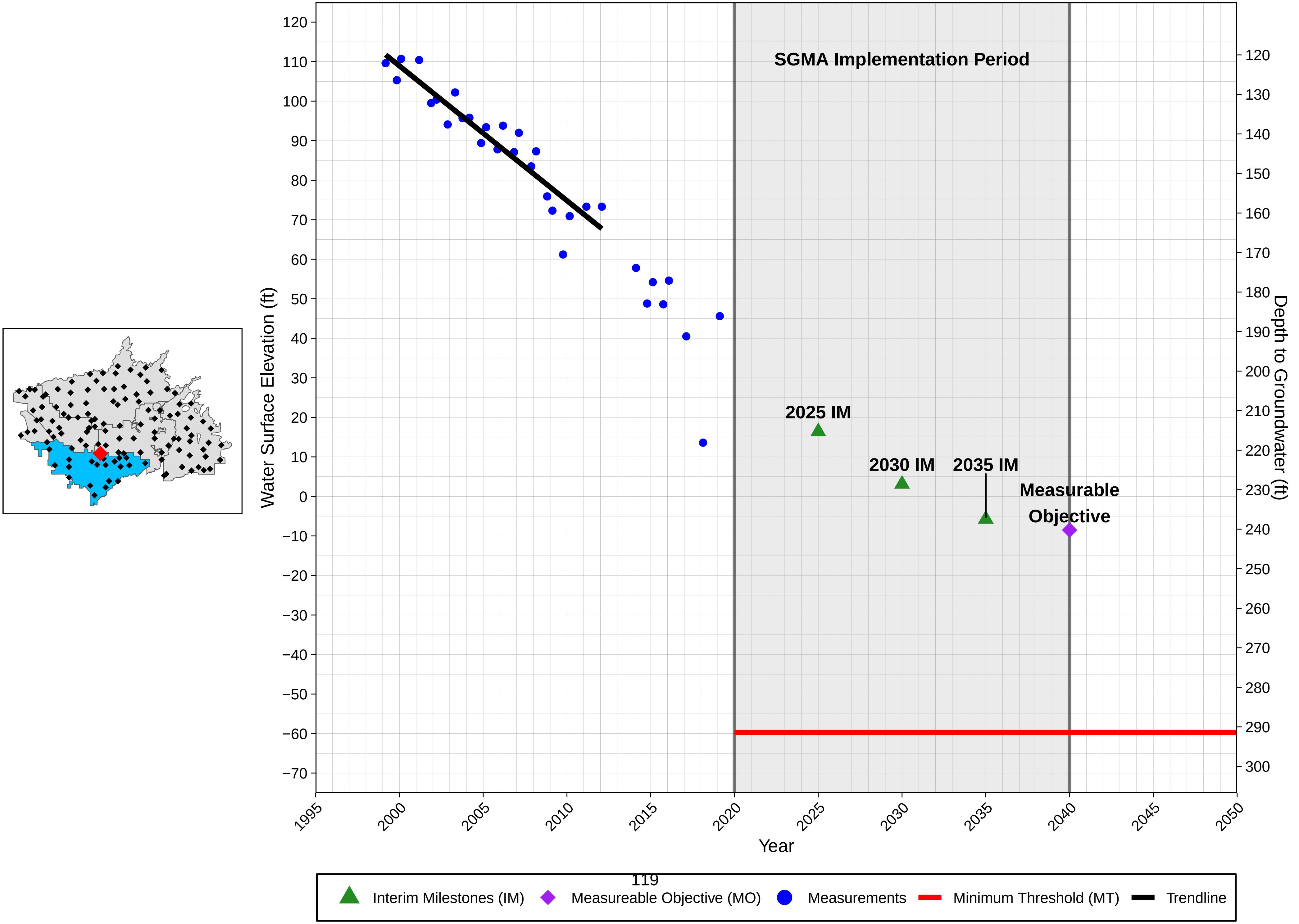
364960N1197554W001
GSE: 247.5
North Fork Kings Groundwater Sustainability Agency



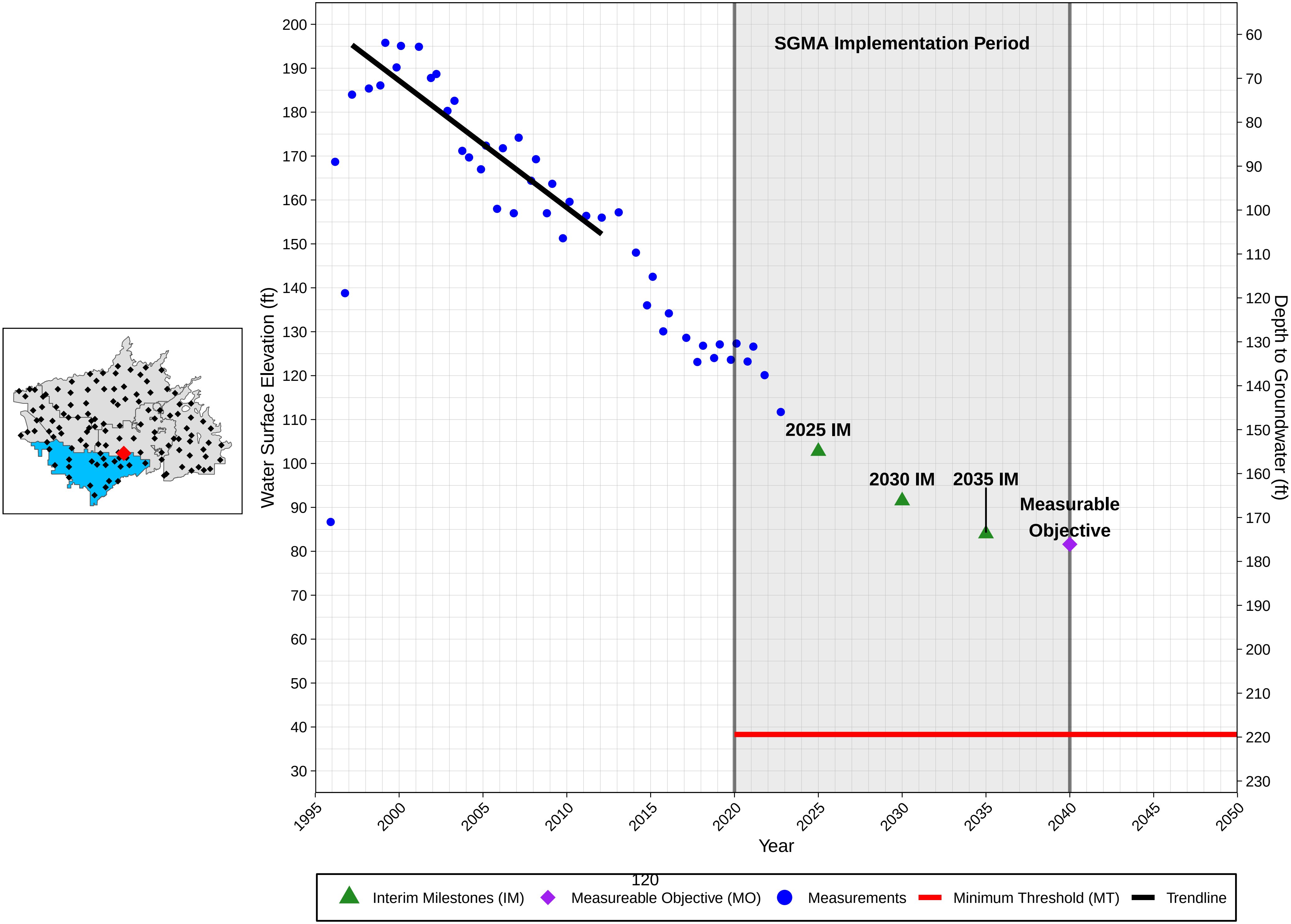
364967N1197193W001
GSE: 255.7
North Fork Kings Groundwater Sustainability Agency

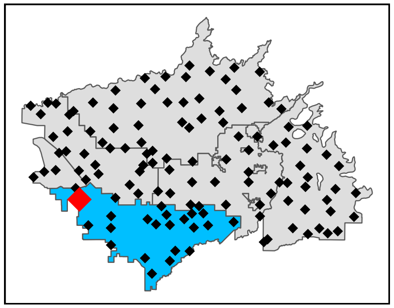


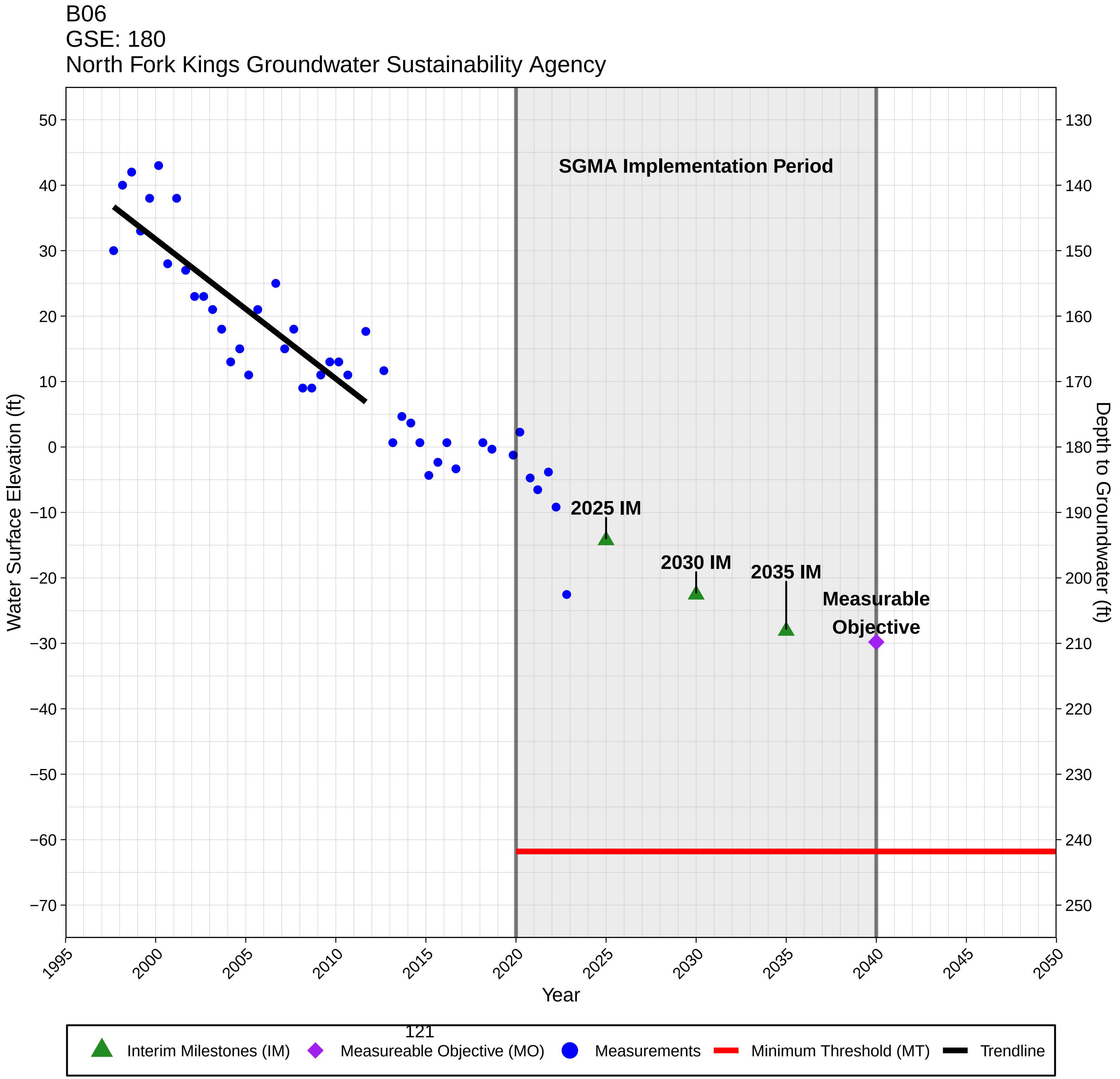
365143N1198529W001
GSE: 231.7
North Fork Kings Groundwater Sustainability Agency



365150N1197327W001
GSE: 257.7
North Fork Kings Groundwater Sustainability Agency

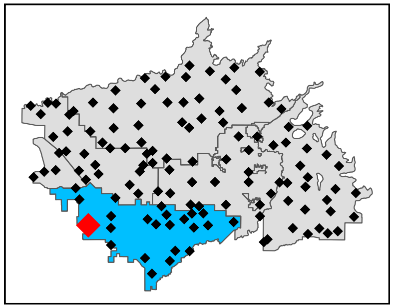


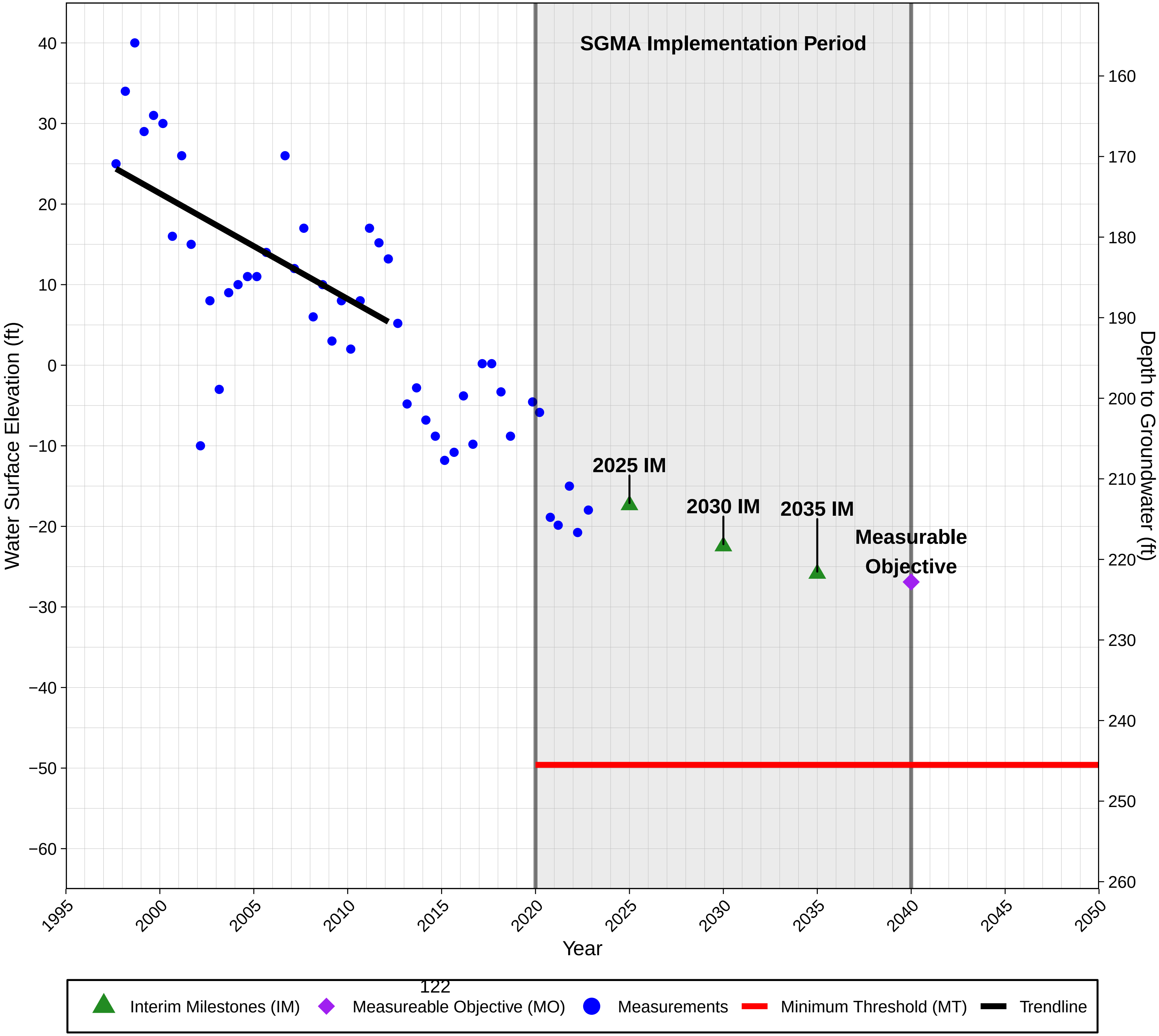




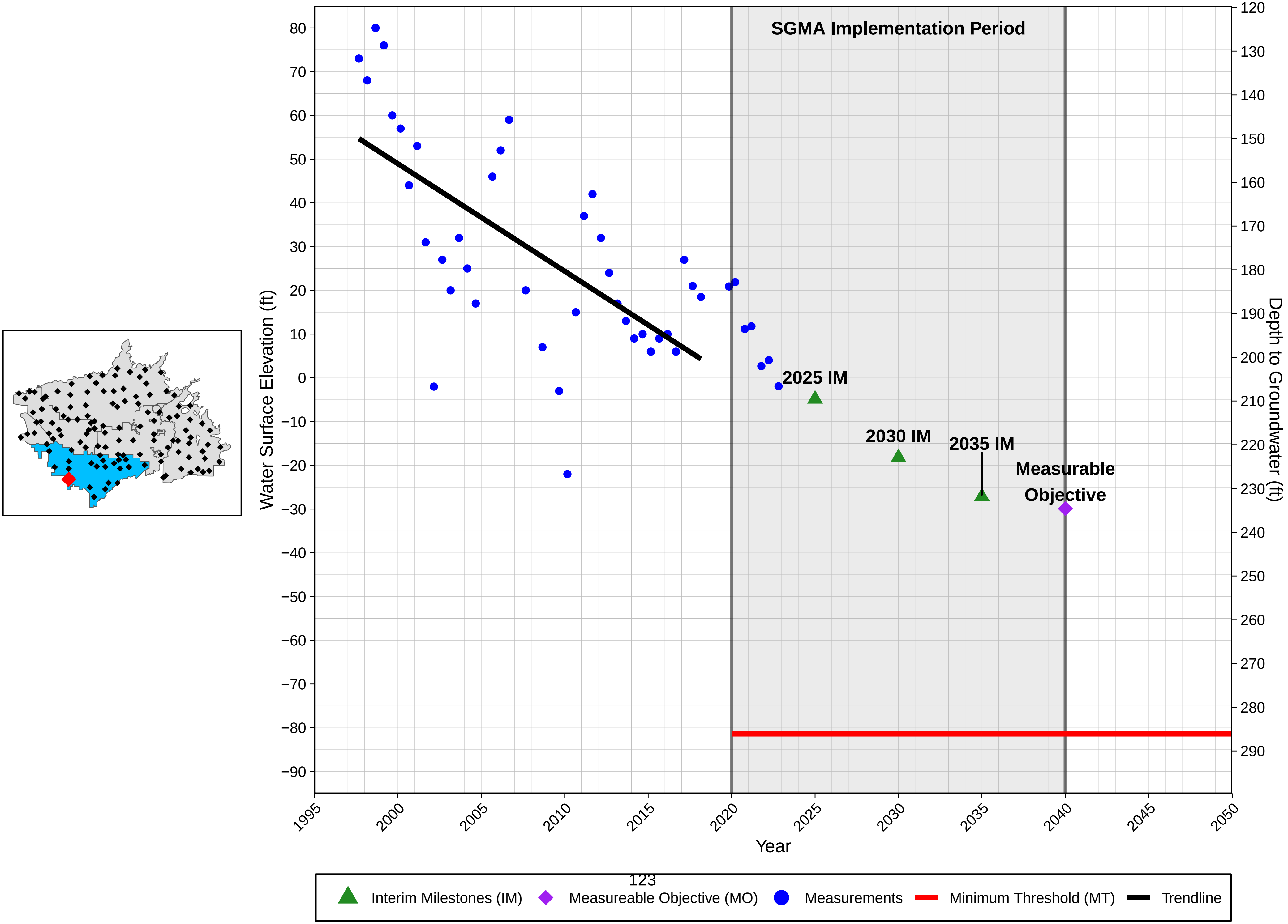
B06
GSE: 180
North Fork Kings Groundwater Sustainability Agency
SGMA Implementation Period
2025 IM
2030 IM
2035 IM
Measurable Objective
Water Surface Elevation (ft)
Depth to Groundwater (ft)
Year
Interim Milestones (IM)
Measureable Objective (MO)
Measurements
Minimum Threshold (MT)
Trendline

B22
GSE: 195.9
North Fork Kings Groundwater Sustainability Agency

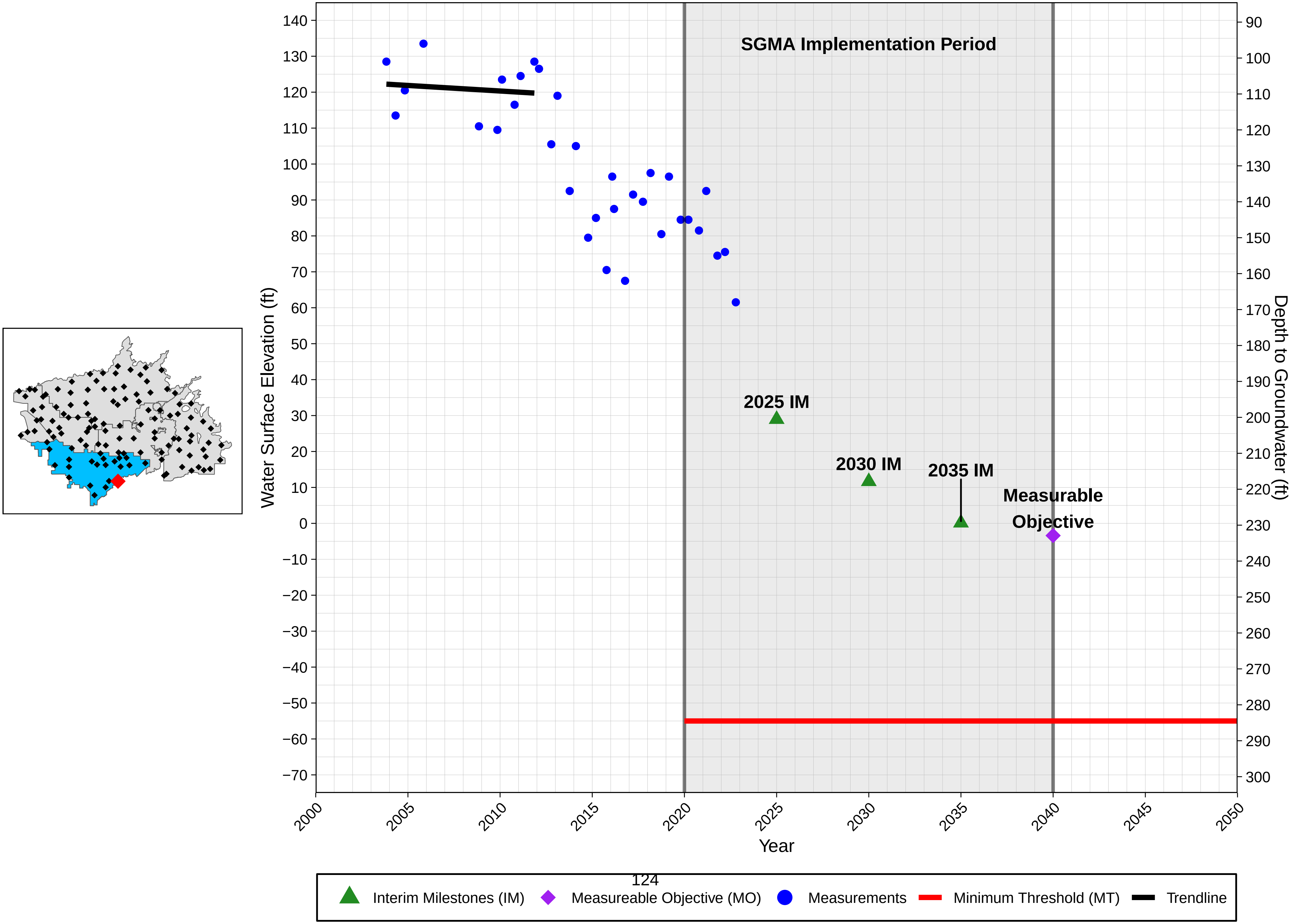




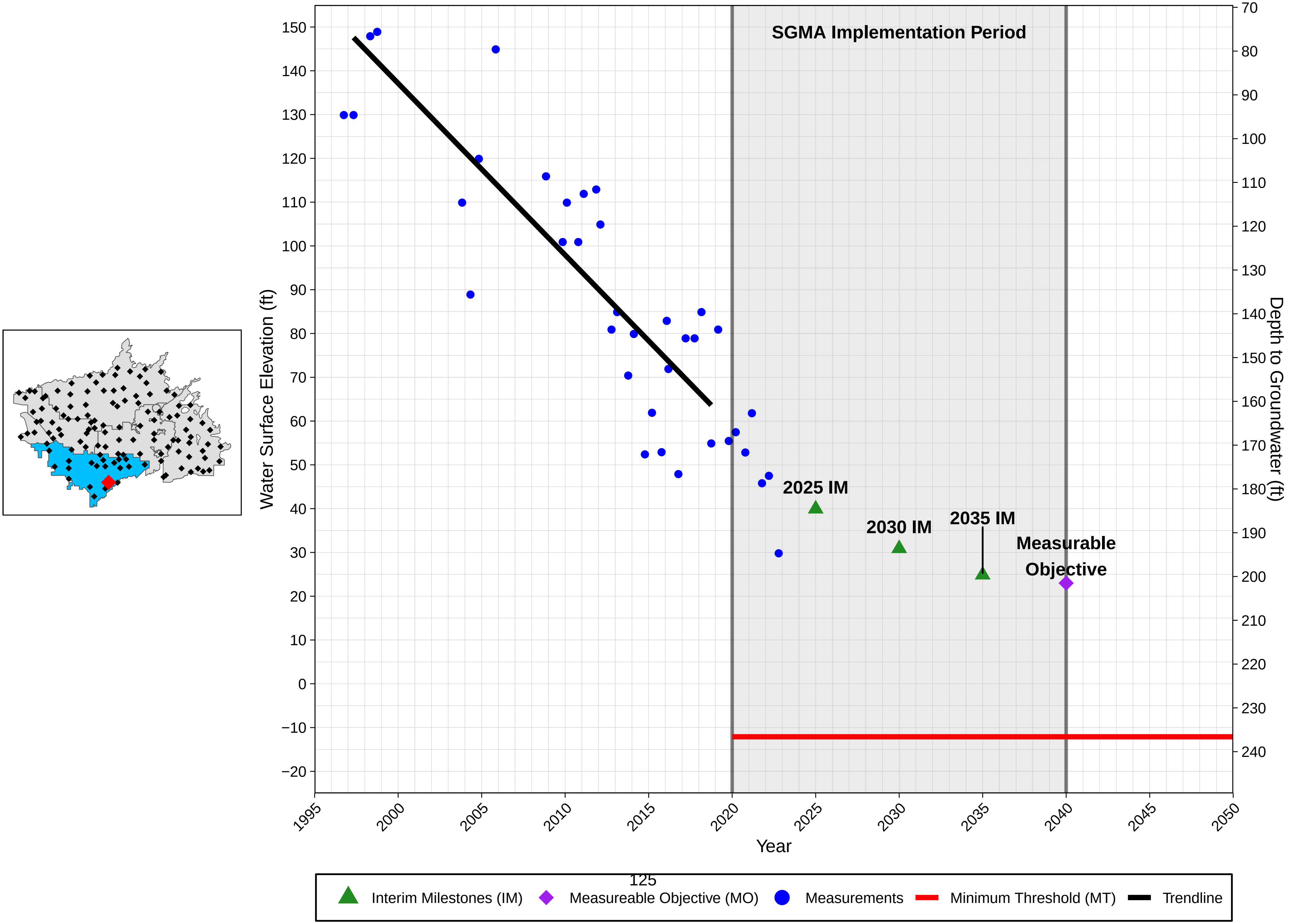
B31
GSE: 204.7
North Fork Kings Groundwater Sustainability Agency



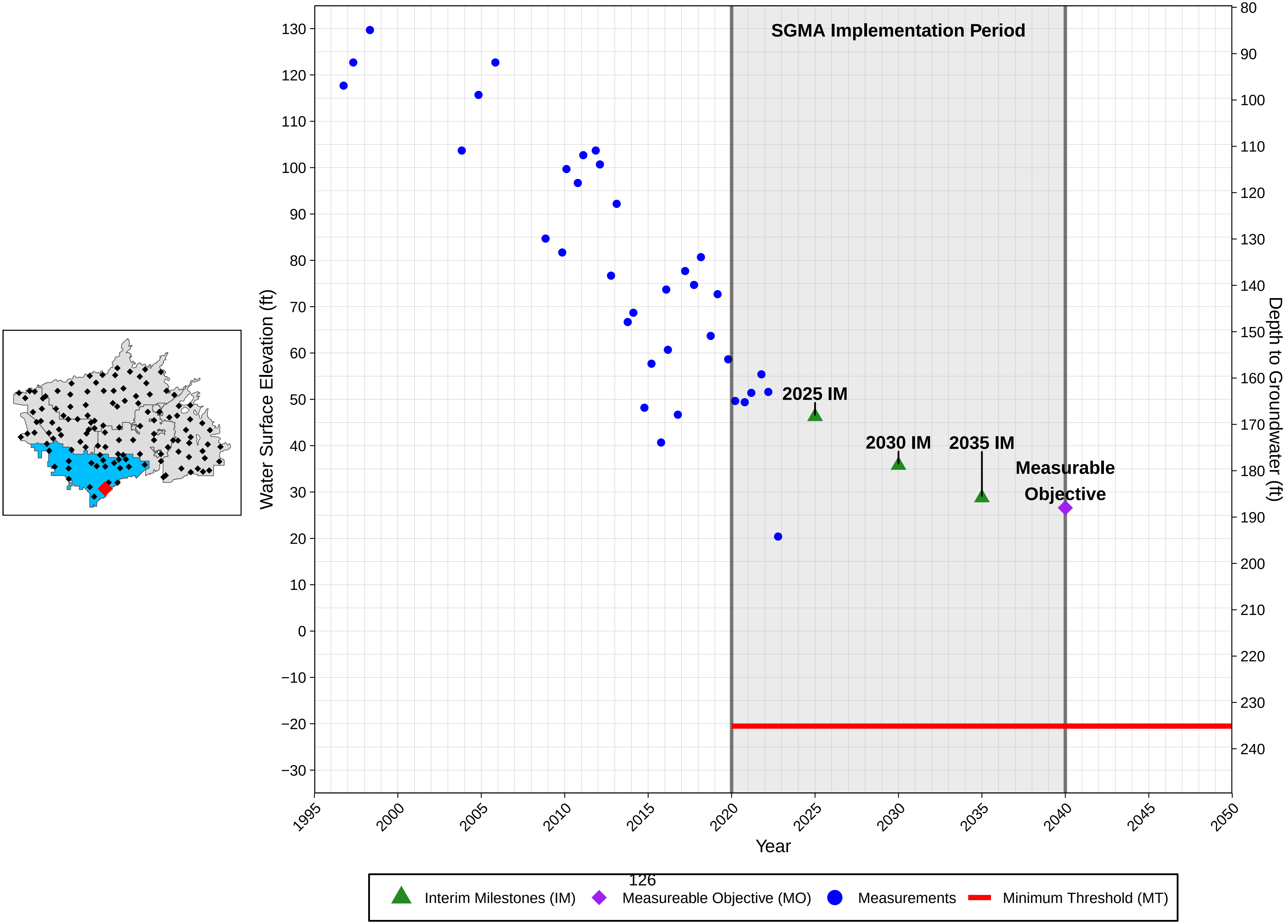
LID07
GSE: 229.5
North Fork Kings Groundwater Sustainability Agency

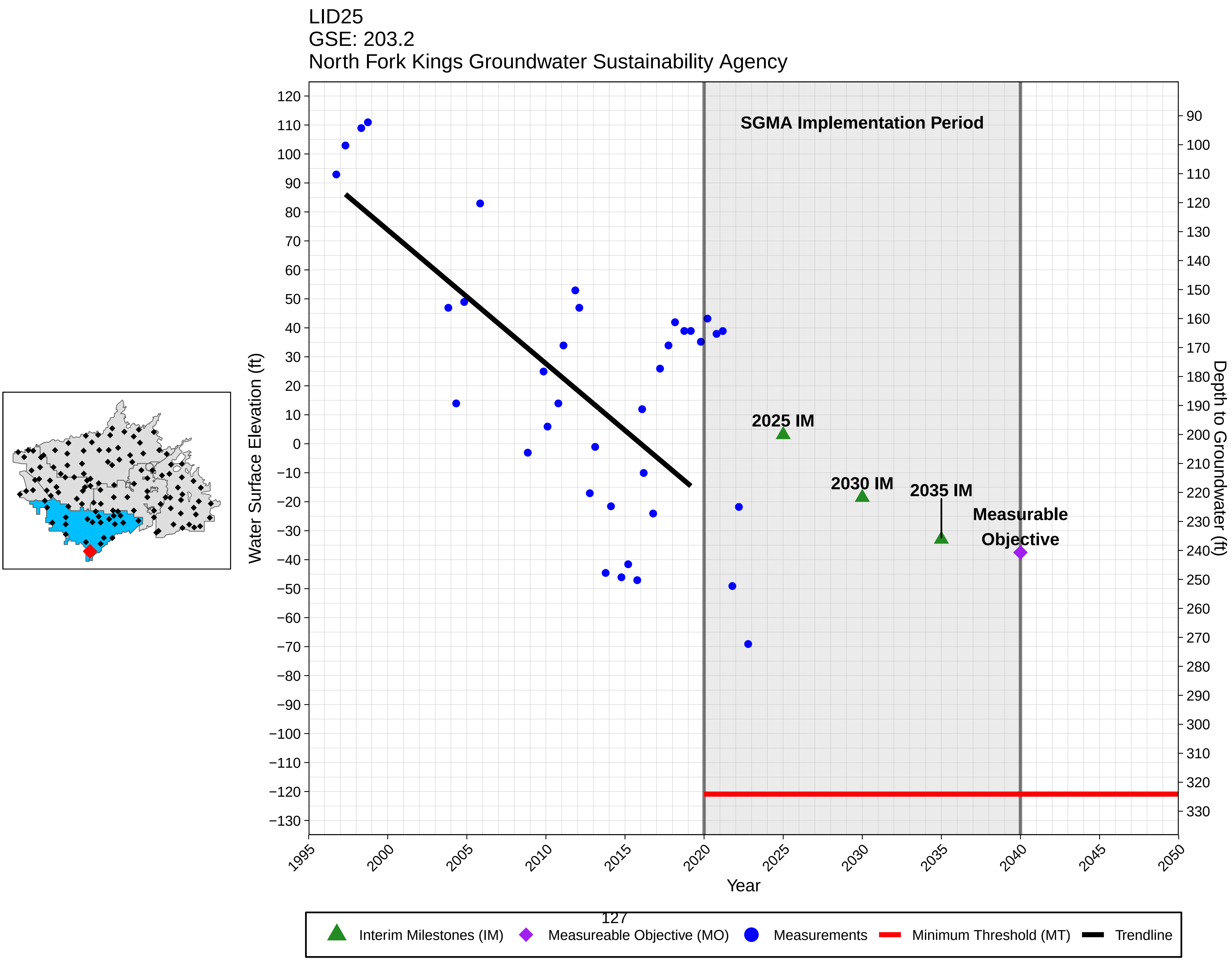


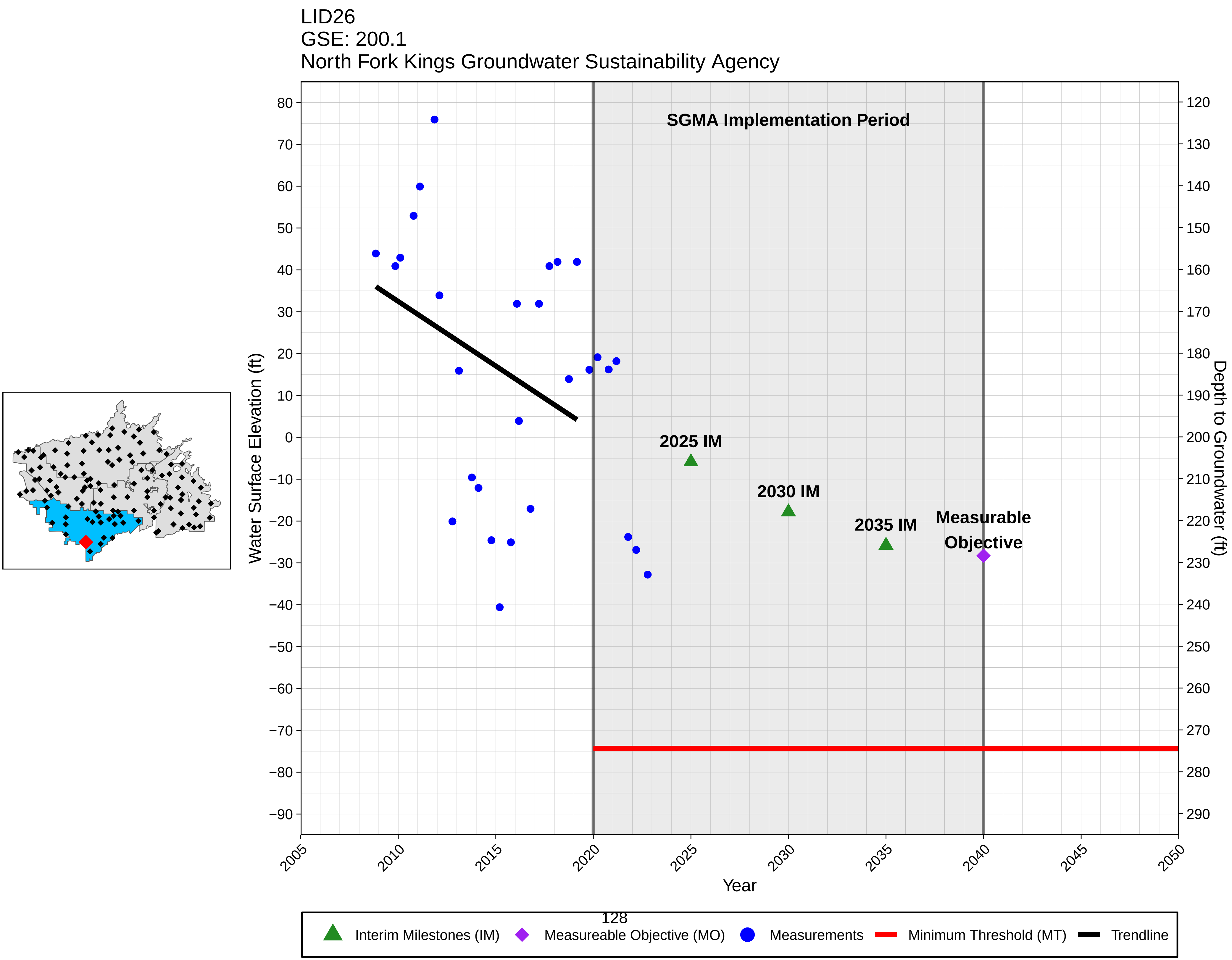
LID14
GSE: 224.5
North Fork Kings Groundwater Sustainability Agency



LID21
GSE: 214.6
North Fork Kings Groundwater Sustainability Agency

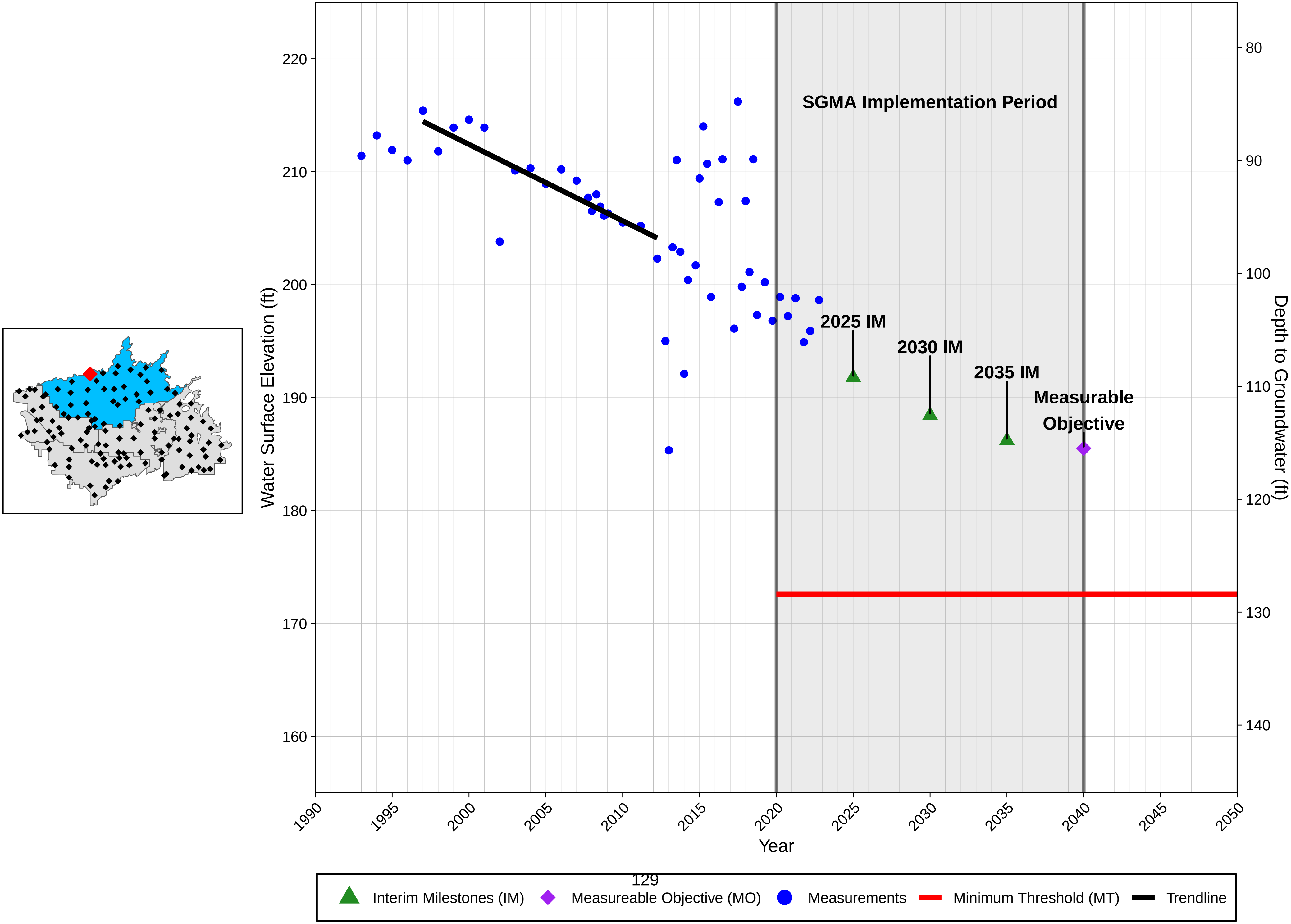


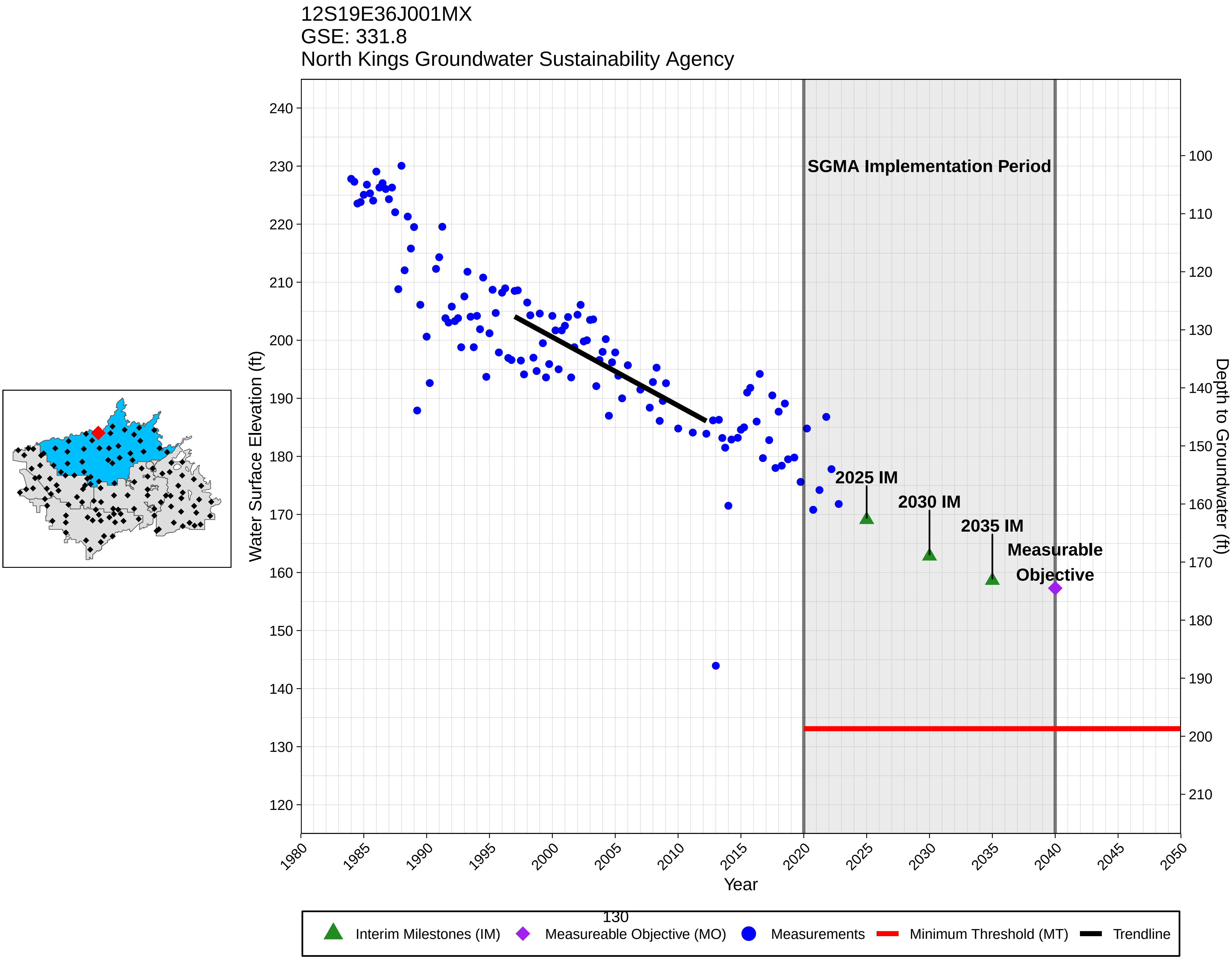

LID25
GSE: 203.2
North Fork Kings Groundwater Sustainability Agency
SGMA Implementation Period
2025 IM
2030 IM
2035 IM
Measurable Objective
Water Surface Elevation (ft)
Depth to Groundwater (ft)
Year
Interim Milestones (IM)
Measureable Objective (MO)
Measurements
Minimum Threshold (MT)
Trendline



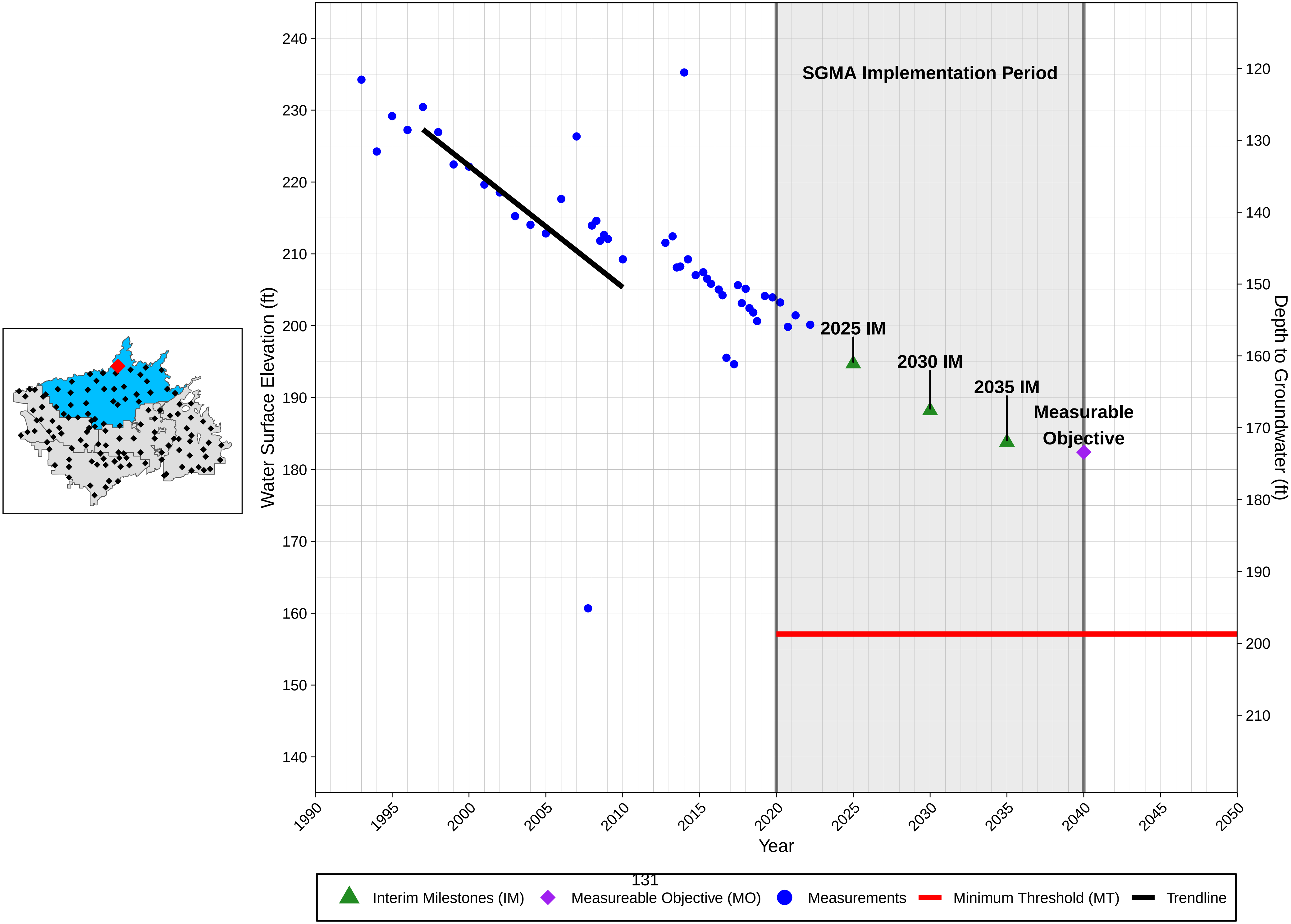
LID26
GSE: 200.1
North Fork Kings Groundwater Sustainability Agency
SGMA Implementation Period
2025 IM
2030 IM
2035 IM
Measurable Objective
Water Surface Elevation (ft)
Depth to Groundwater (ft)
Year
Interim Milestones (IM)
Measureable Objective (MO)
Measurements
Minimum Threshold (MT)
Trendline

12S19E33P001MX
GSE: 301
North Kings Groundwater Sustainability Agency

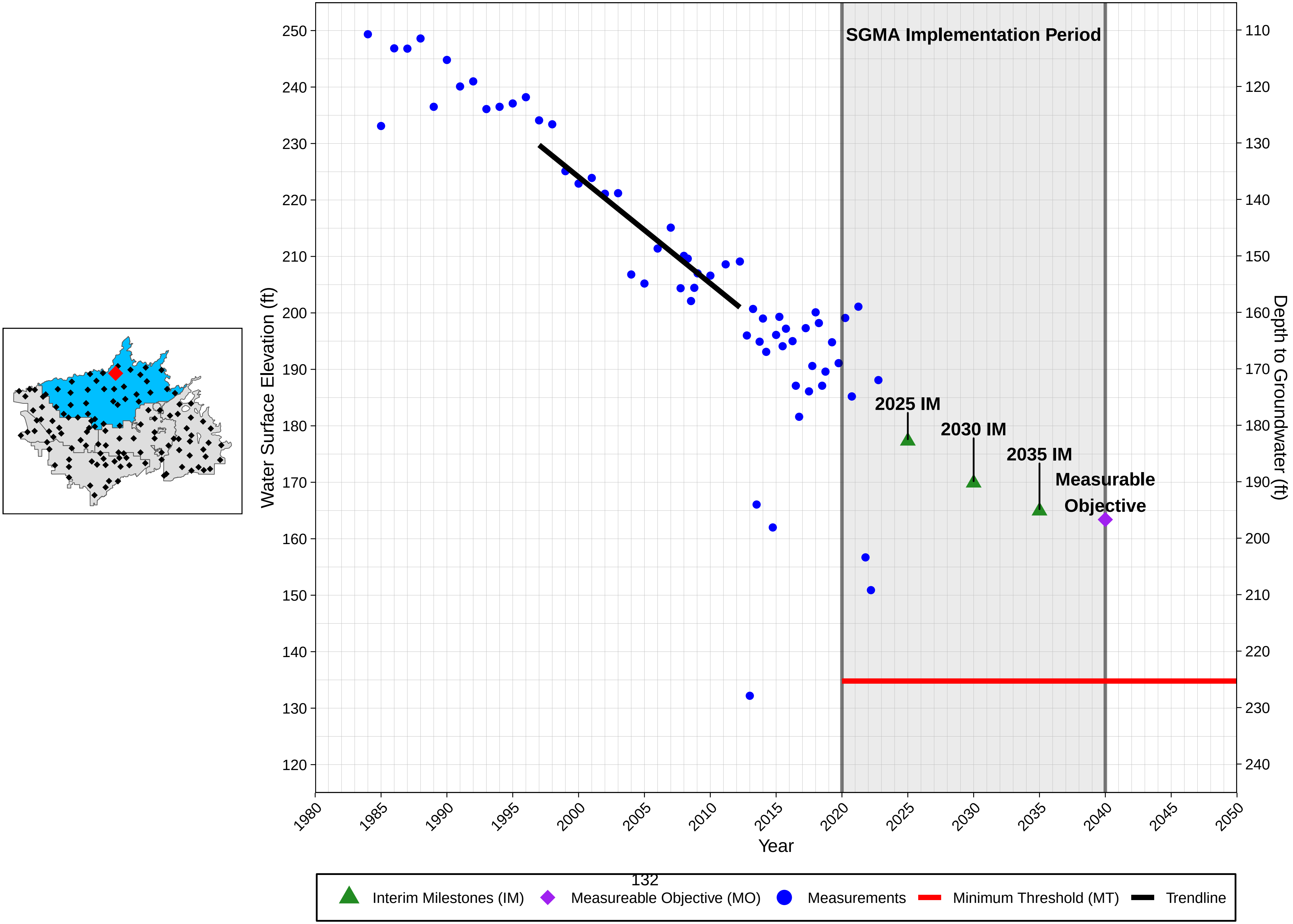


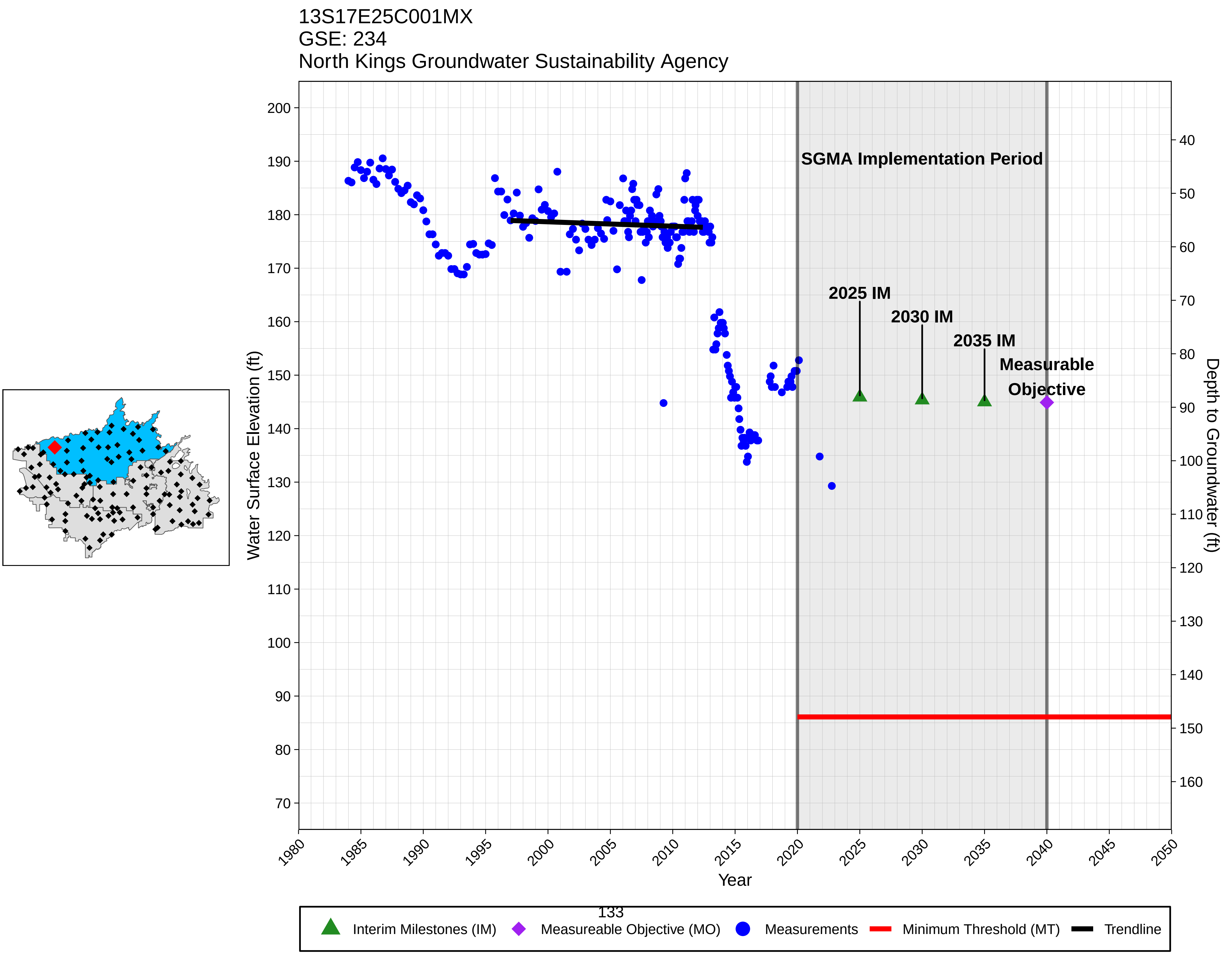

12S19E36J001MX
GSE: 331.8
North Kings Groundwater Sustainability Agency
SGMA Implementation Period
2025 IM
2030 IM
2035 IM
Measurable Objective
Water Surface Elevation (ft)
Depth to Groundwater (ft)
Year
Interim Milestones (IM)
Measureable Objective (MO)
Measurements
Minimum Threshold (MT)
Trendline

12S20E23M001MX
GSE: 355.8
North Kings Groundwater Sustainability Agency

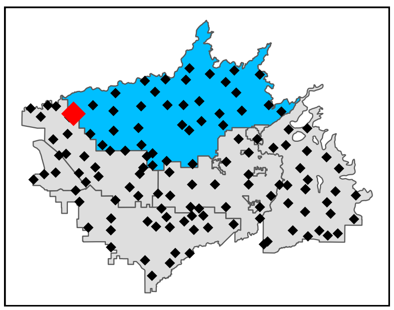


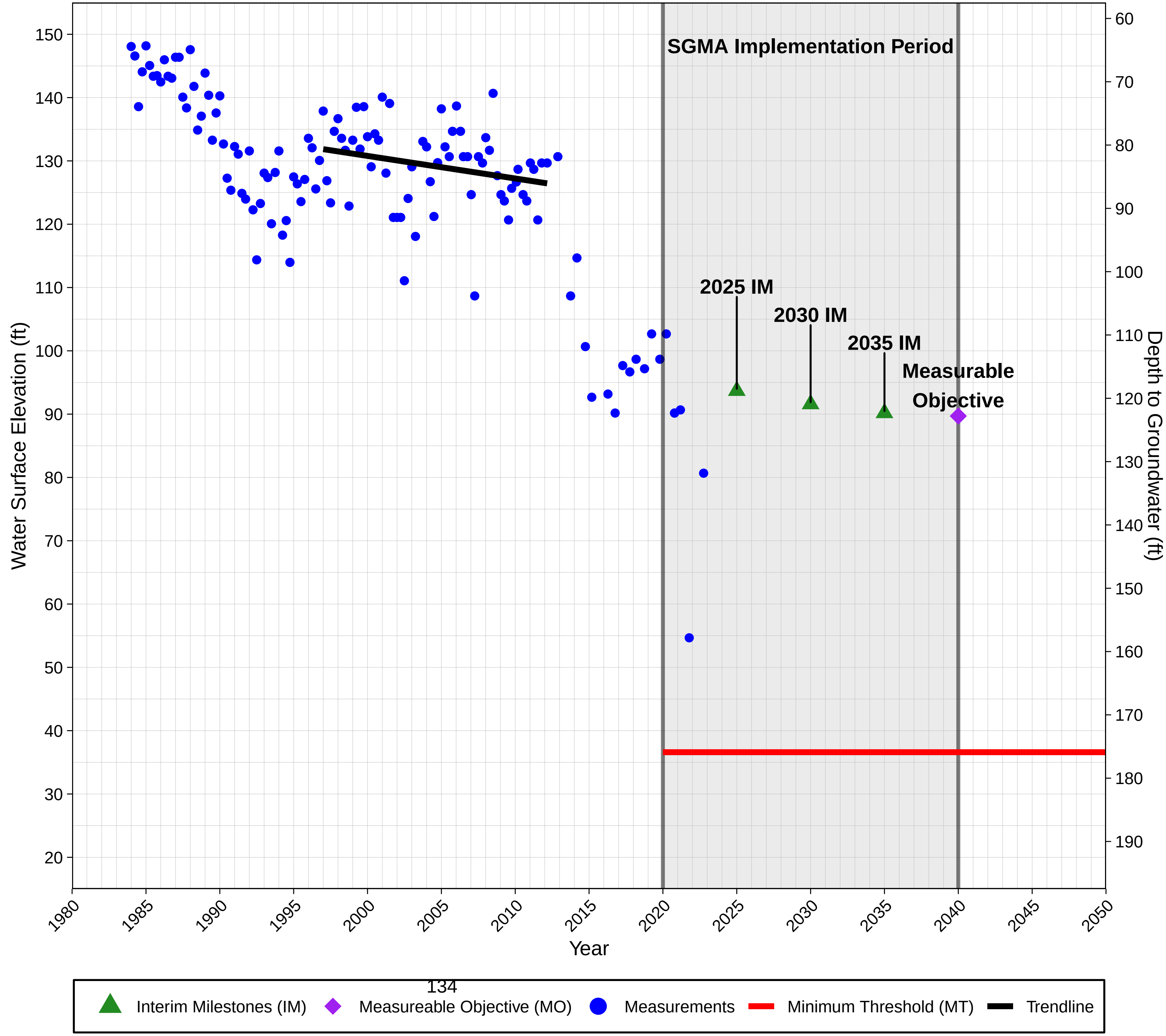
12S20E34K001MX
GSE: 360.1
North Kings Groundwater Sustainability Agency



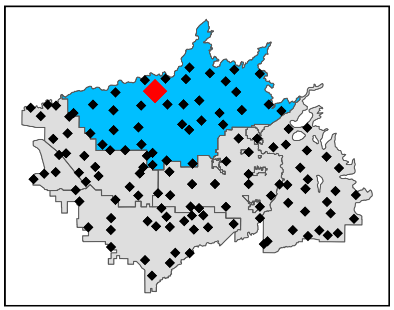

13S17E25C001MX
GSE: 234
North Kings Groundwater Sustainability Agency
SGMA Implementation Period
2025 IM
2030 IM
2035 IM
Measurable Objective
Water Surface Elevation (ft)
Depth to Groundwater (ft)
Year
Interim Milestones (IM)
Measureable Objective (MO)
Measurements
Minimum Threshold (MT)
Trendline

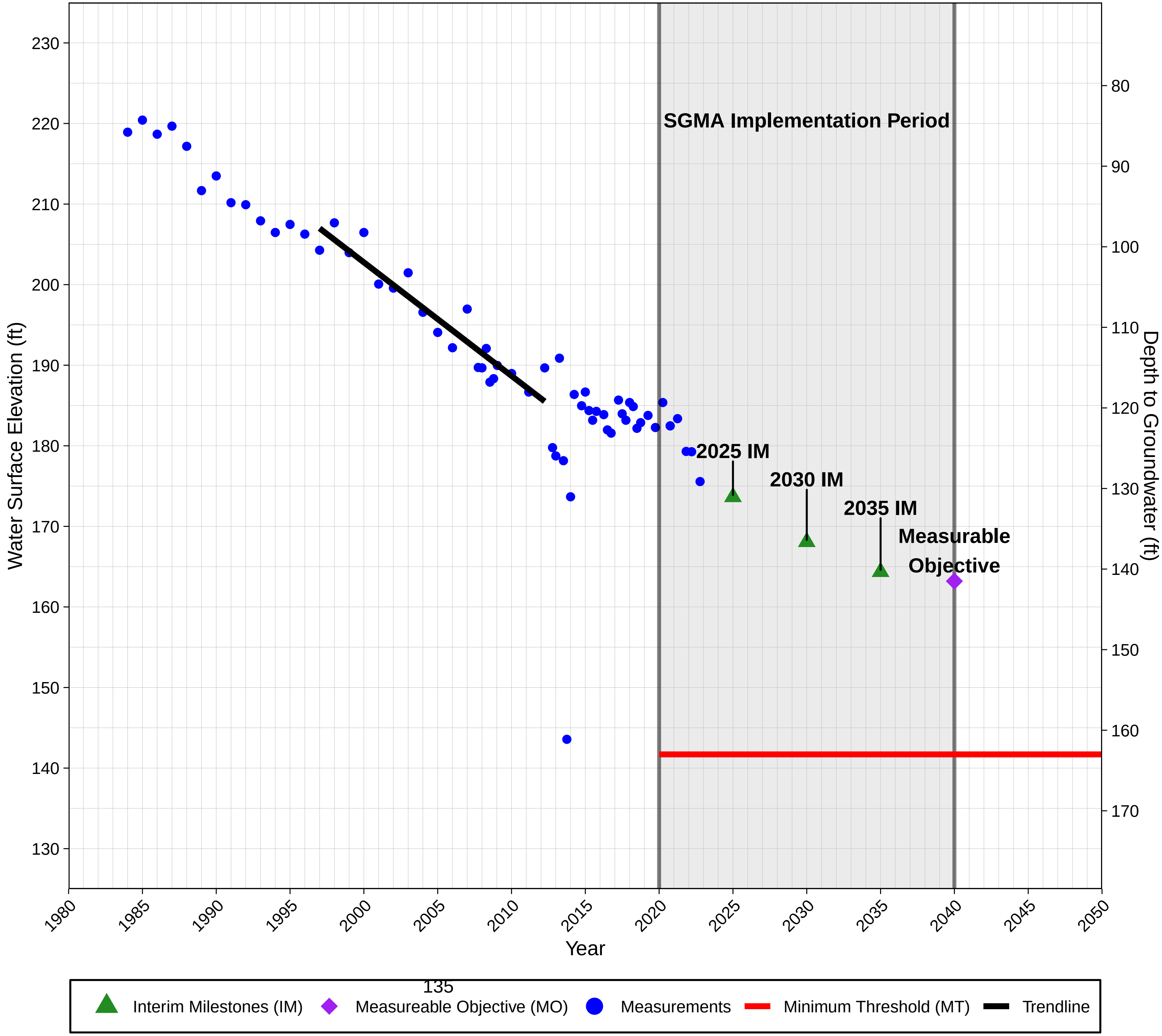
13S17E33M001MX
GSE: 212.5
North Kings Groundwater Sustainability Agency



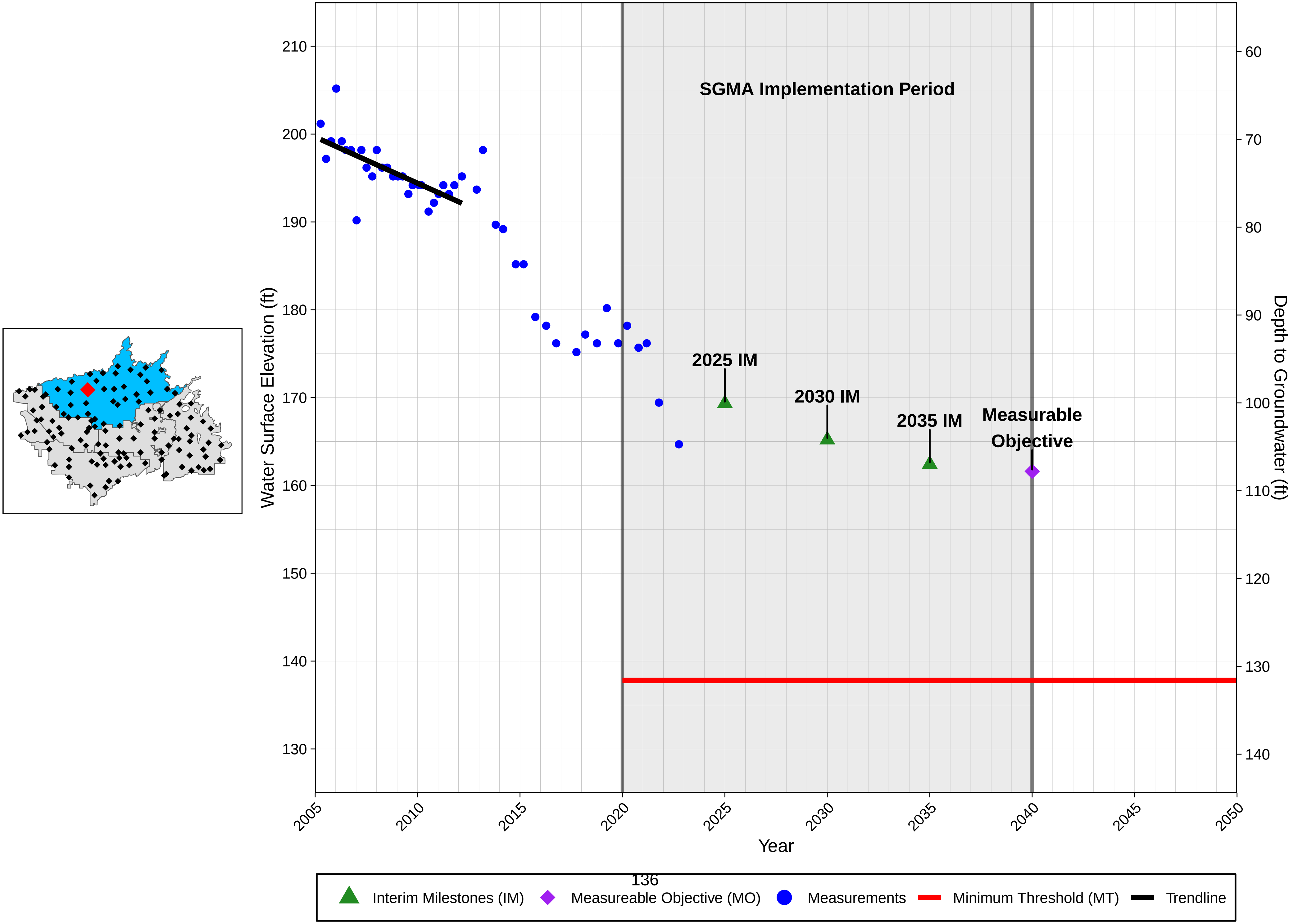


13S19E11L001MX
GSE: 304.7
North Kings Groundwater Sustainability Agency





13S19E29A001MX
GSE: 269.4
North Kings Groundwater Sustainability Agency



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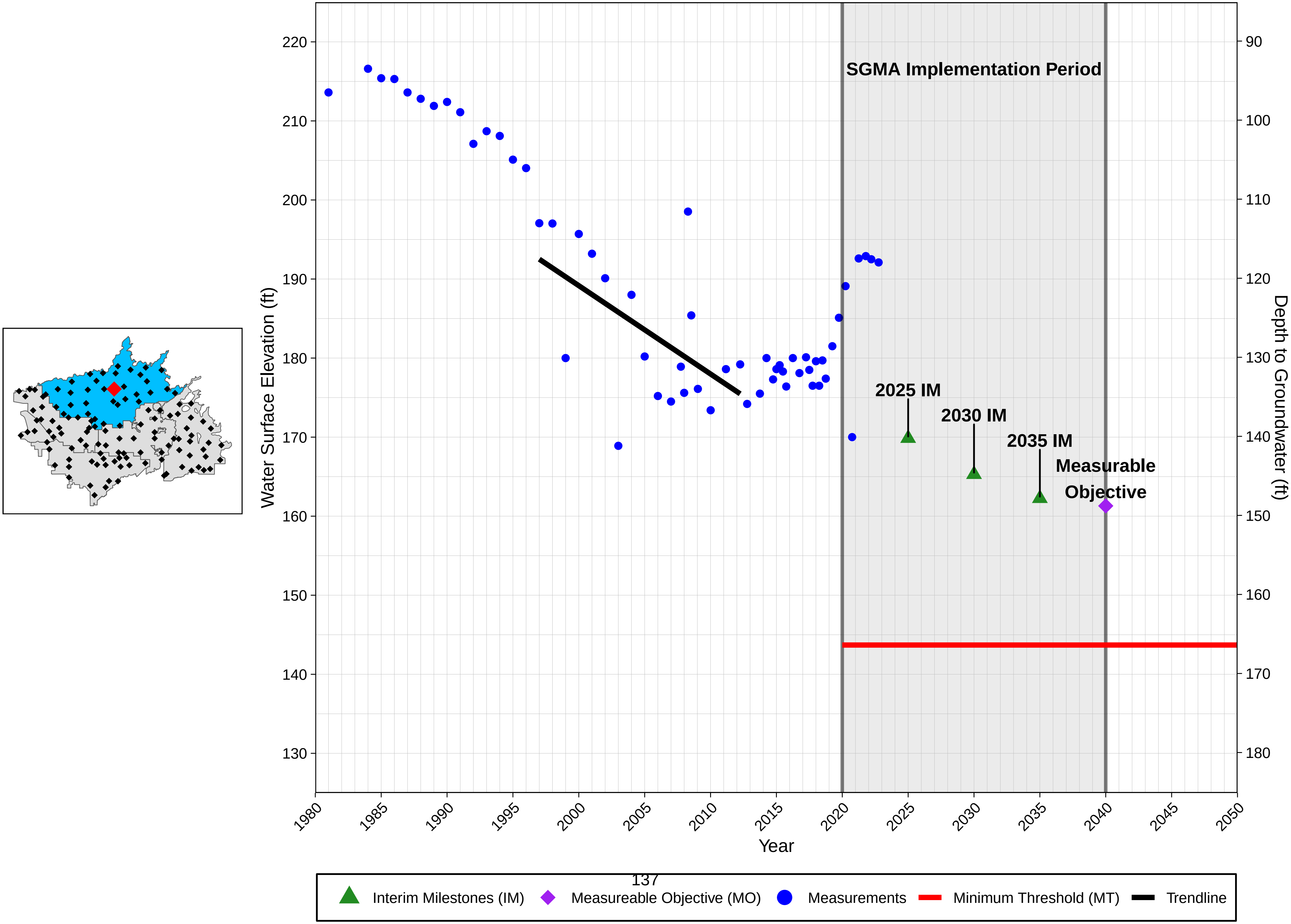
GSE: 310.1
North Kings Groundwater Sustainability Agency



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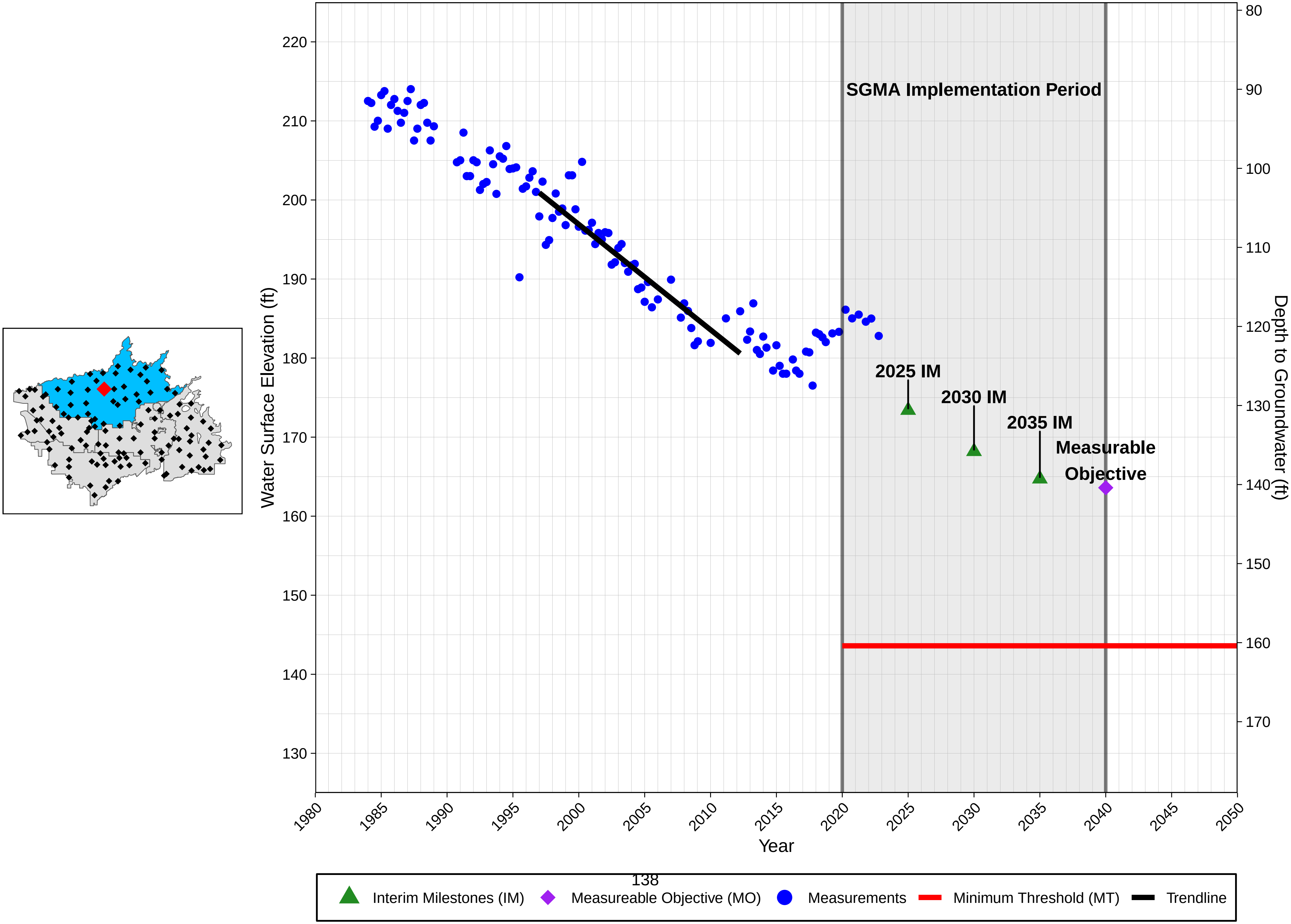
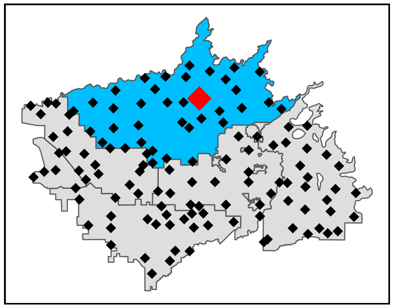
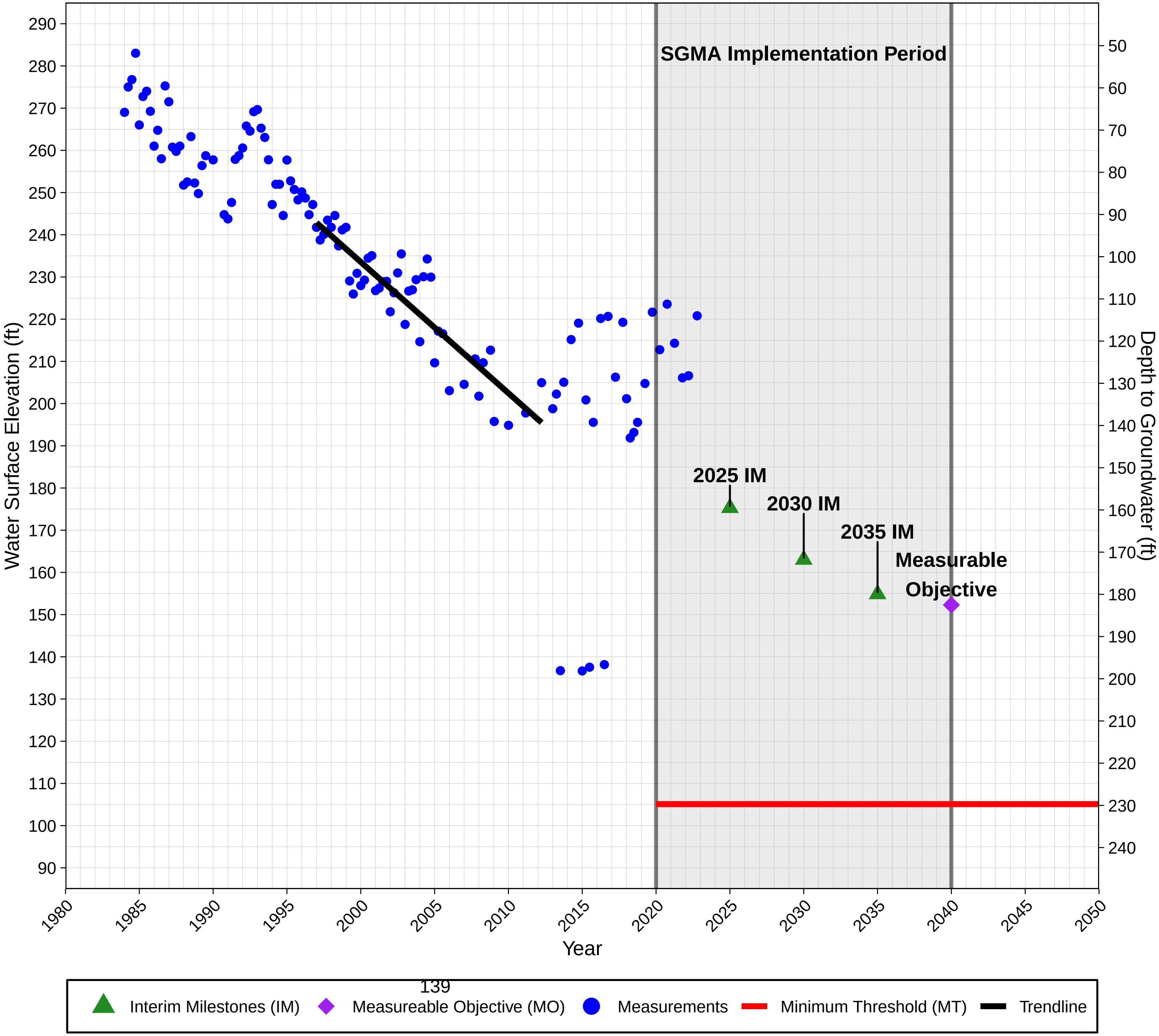
GSE: 304
North Kings Groundwater Sustainability Agency

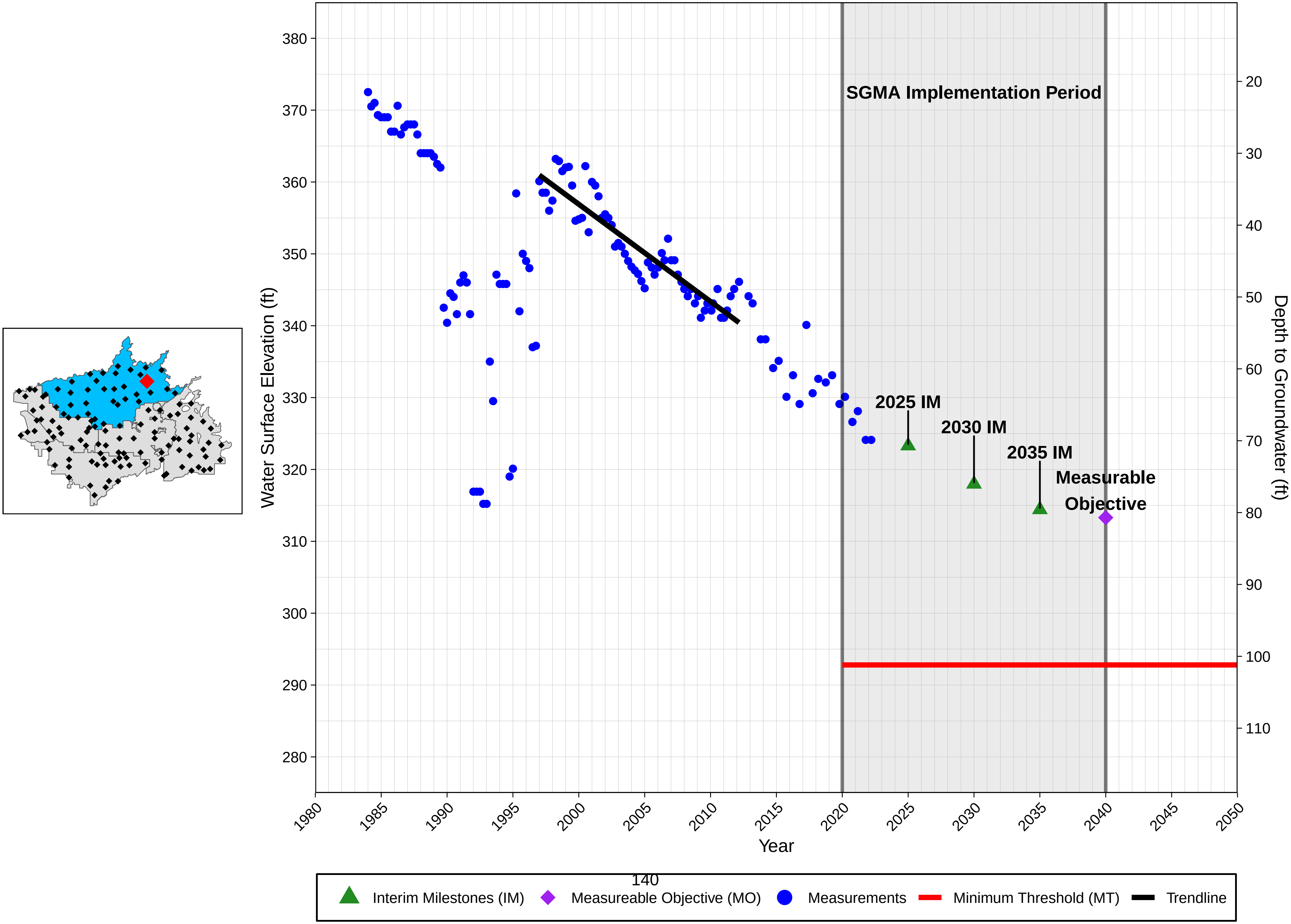


13S21E19E001MX
GSE: 334.8
North Kings Groundwater Sustainability Agency

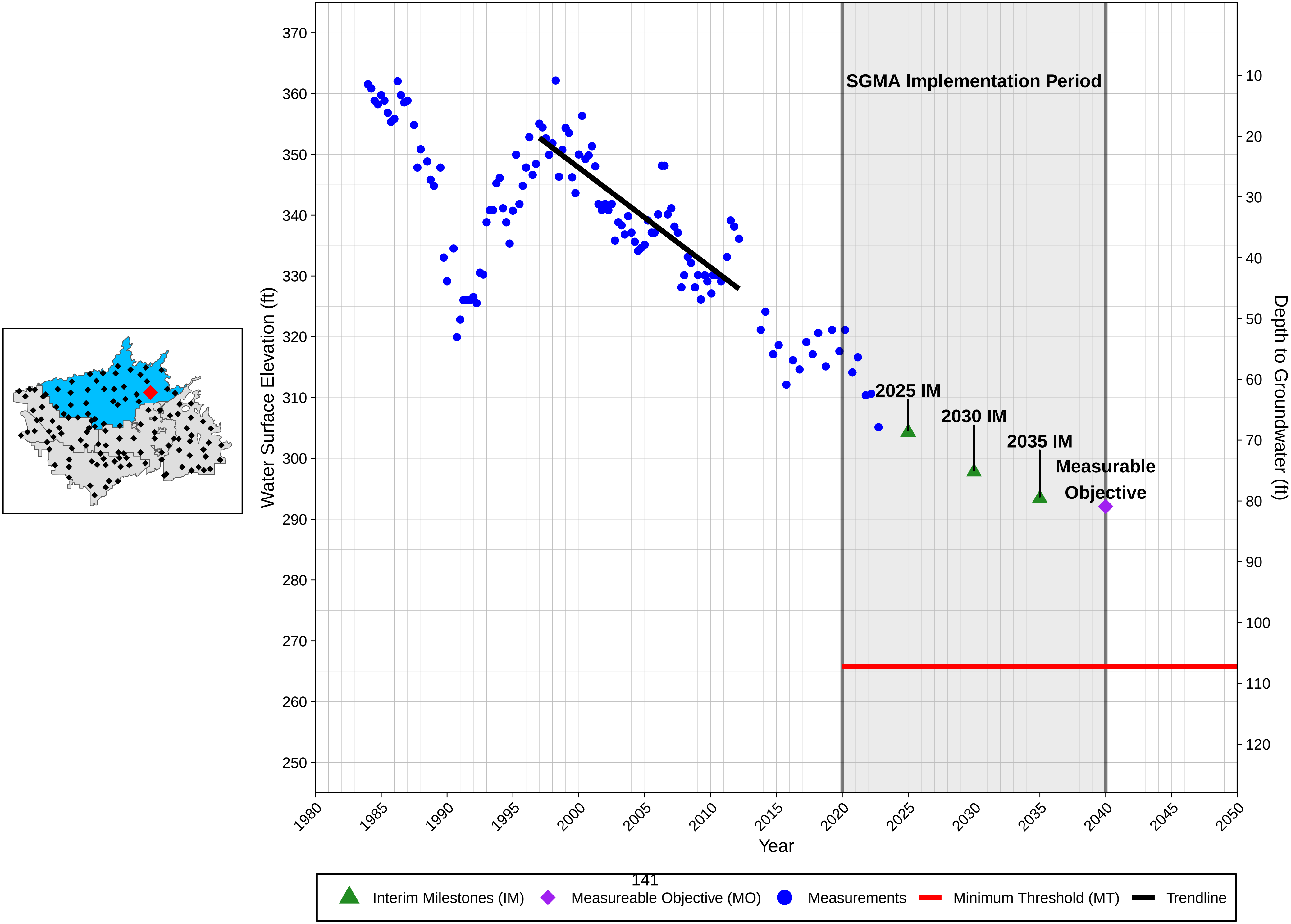




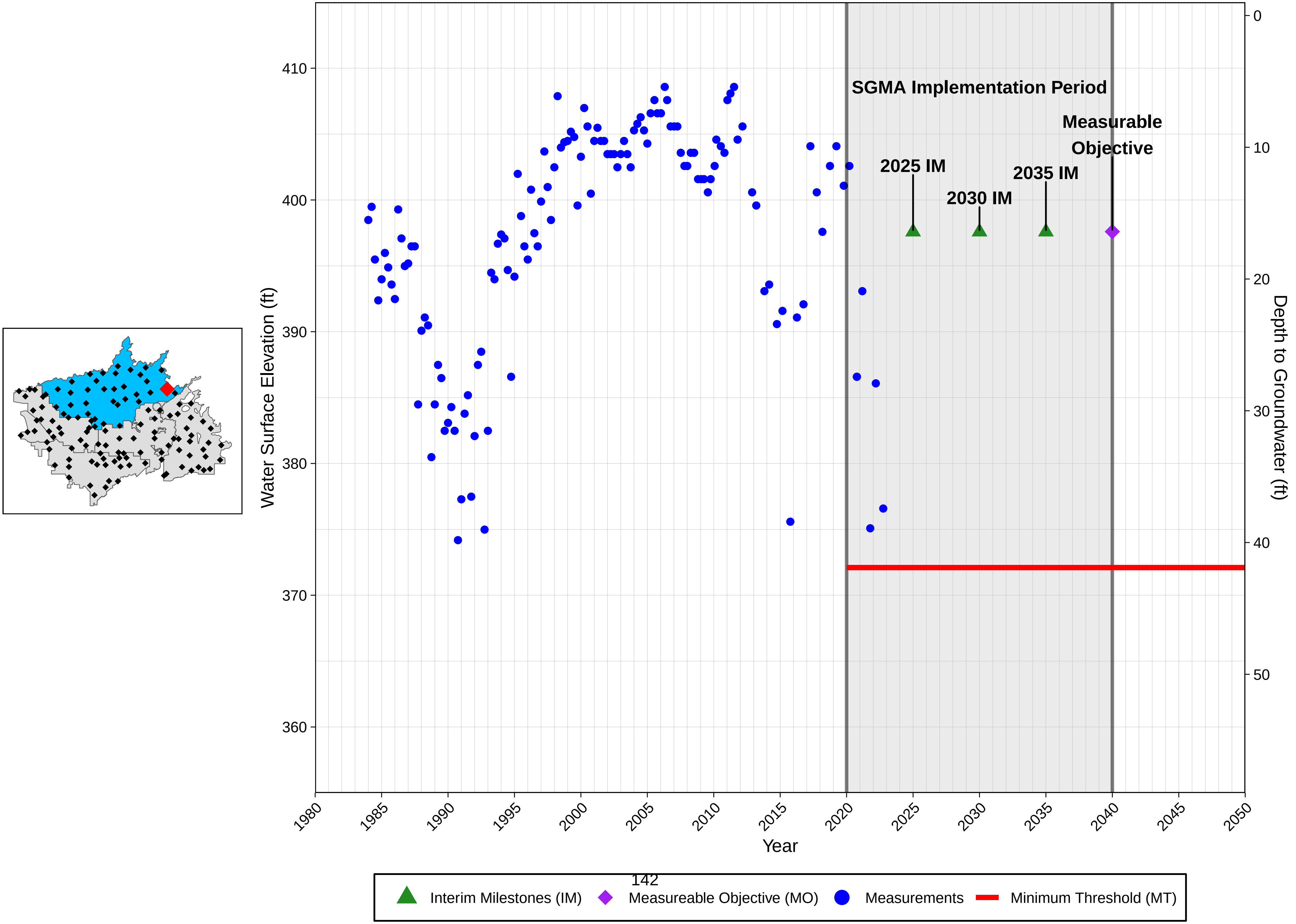
13S22E07R001MX
GSE: 394
North Kings Groundwater Sustainability Agency



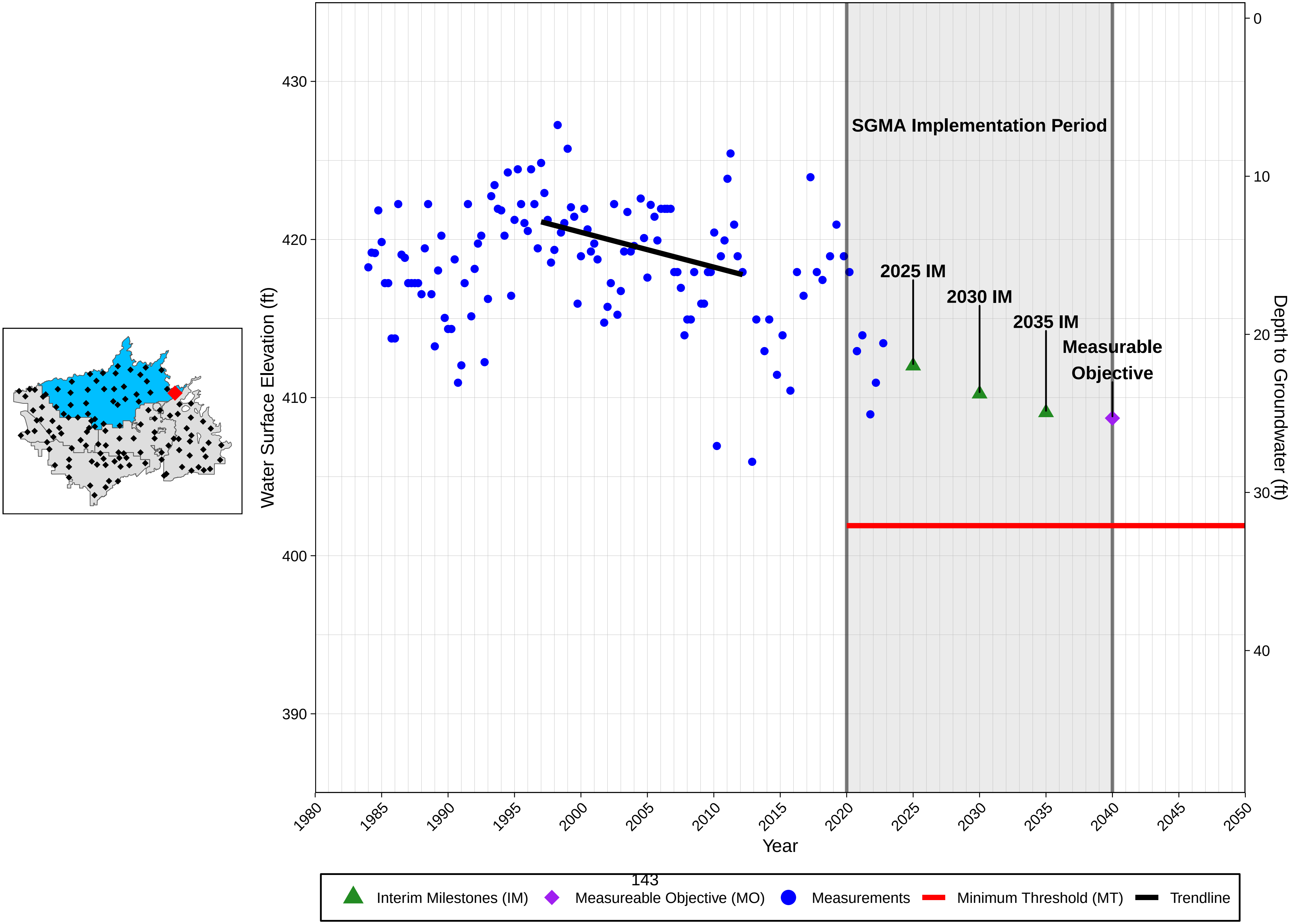
13S22E32A001MX
GSE: 373
North Kings Groundwater Sustainability Agency



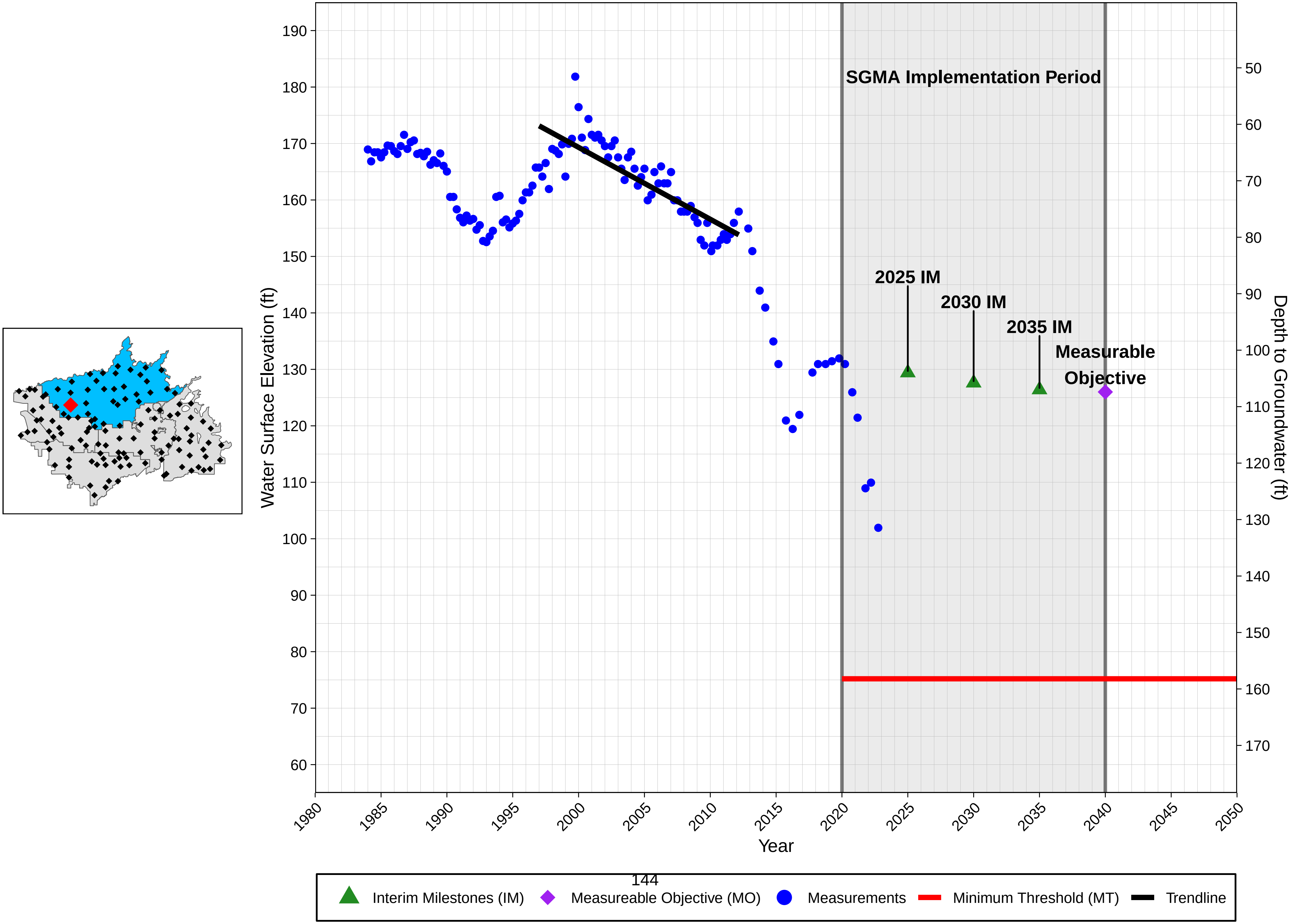
13S23E30C001MX
GSE: 414
North Kings Groundwater Sustainability Agency



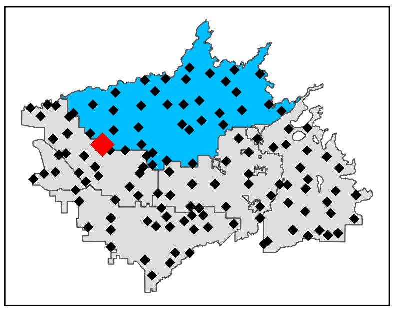
13S23E33B001MX
GSE: 434
North Kings Groundwater Sustainability Agency

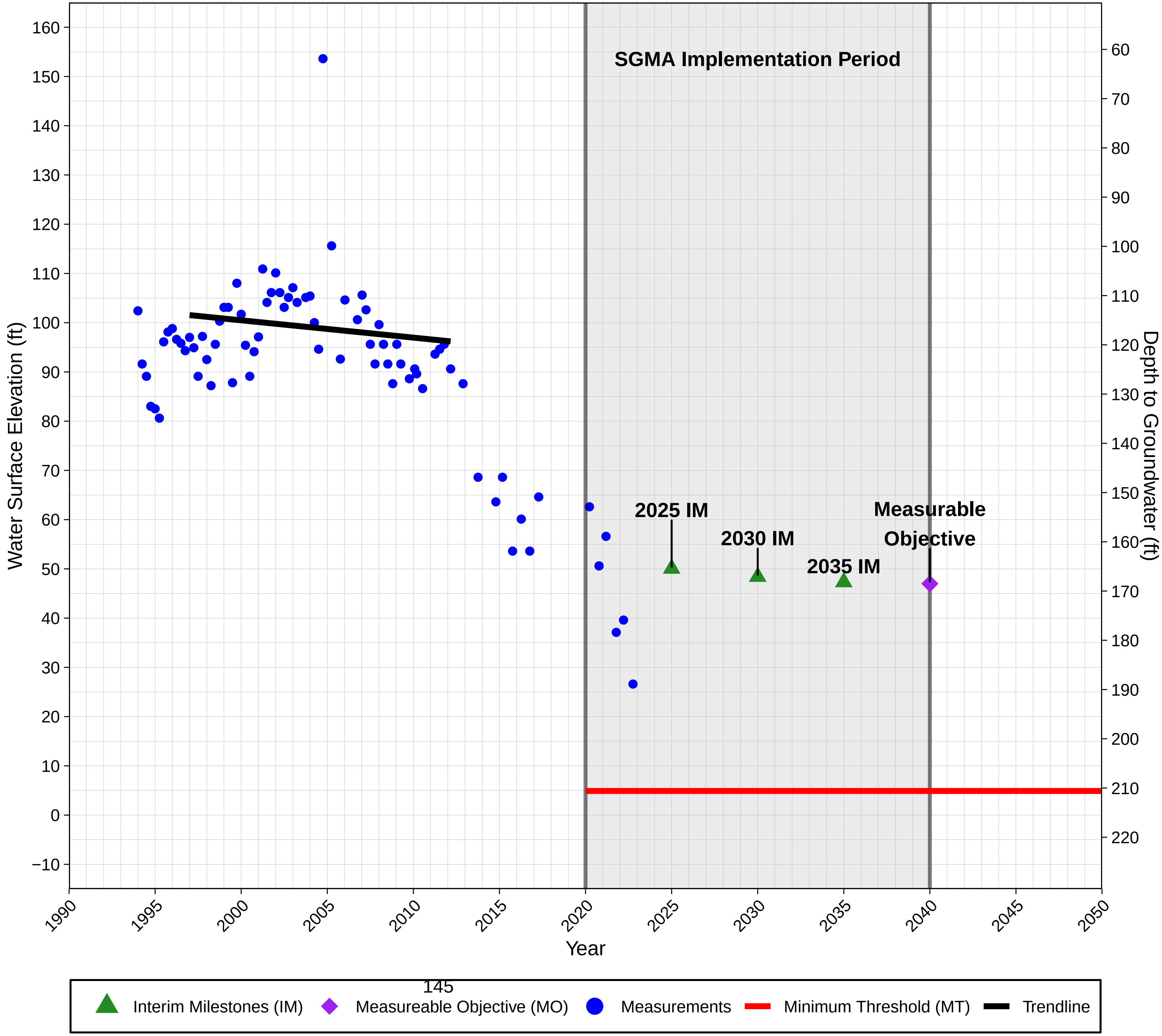


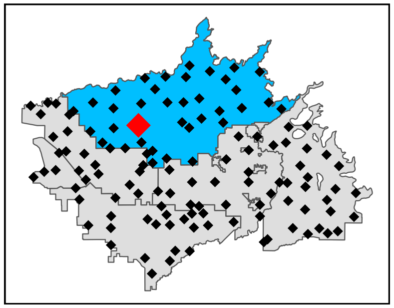
14S18E15M001MX
GSE: 233.4
North Kings Groundwater Sustainability Agency

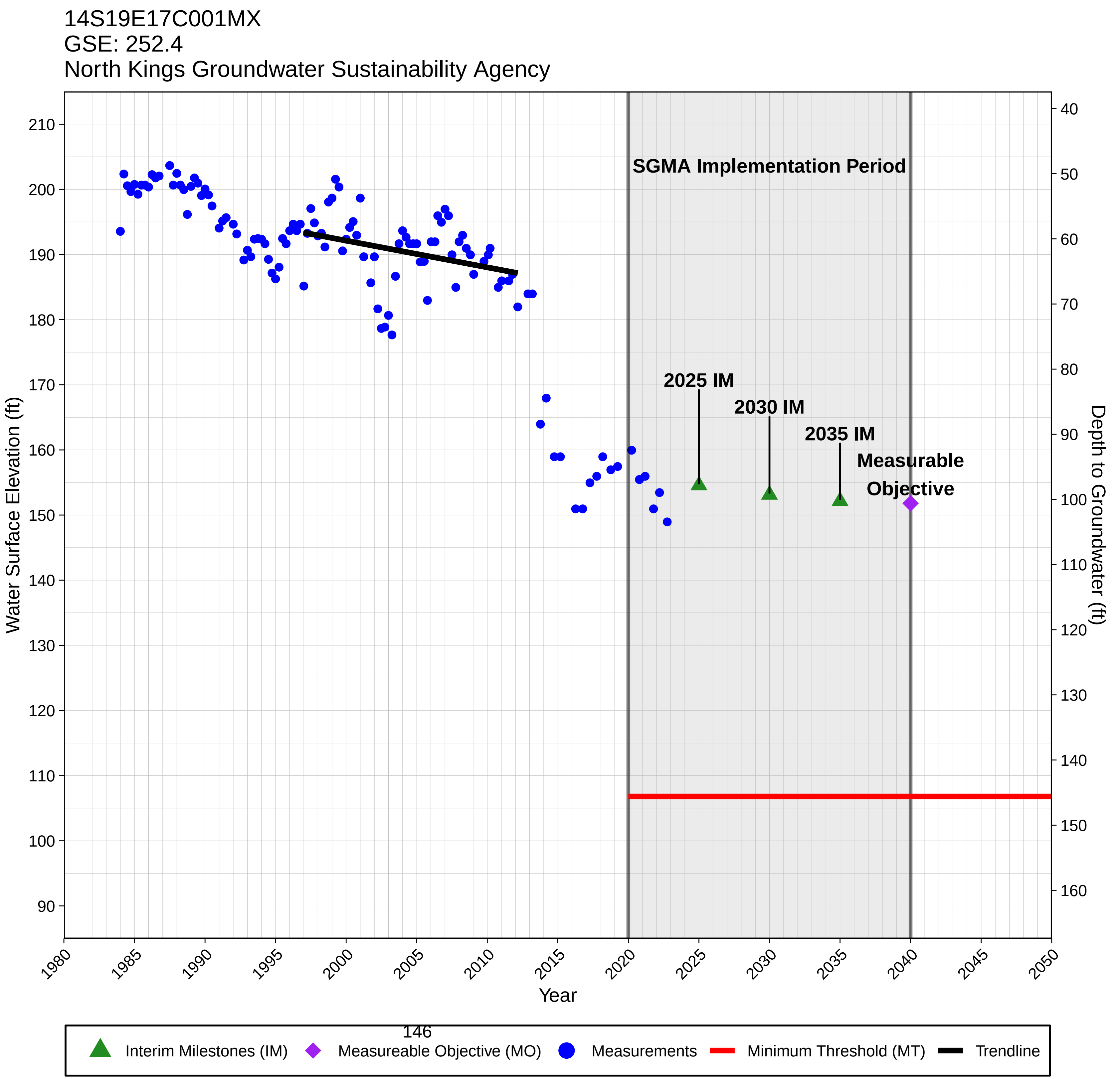


14S18E32D001MX
GSE: 215.5
North Kings Groundwater Sustainability Agency

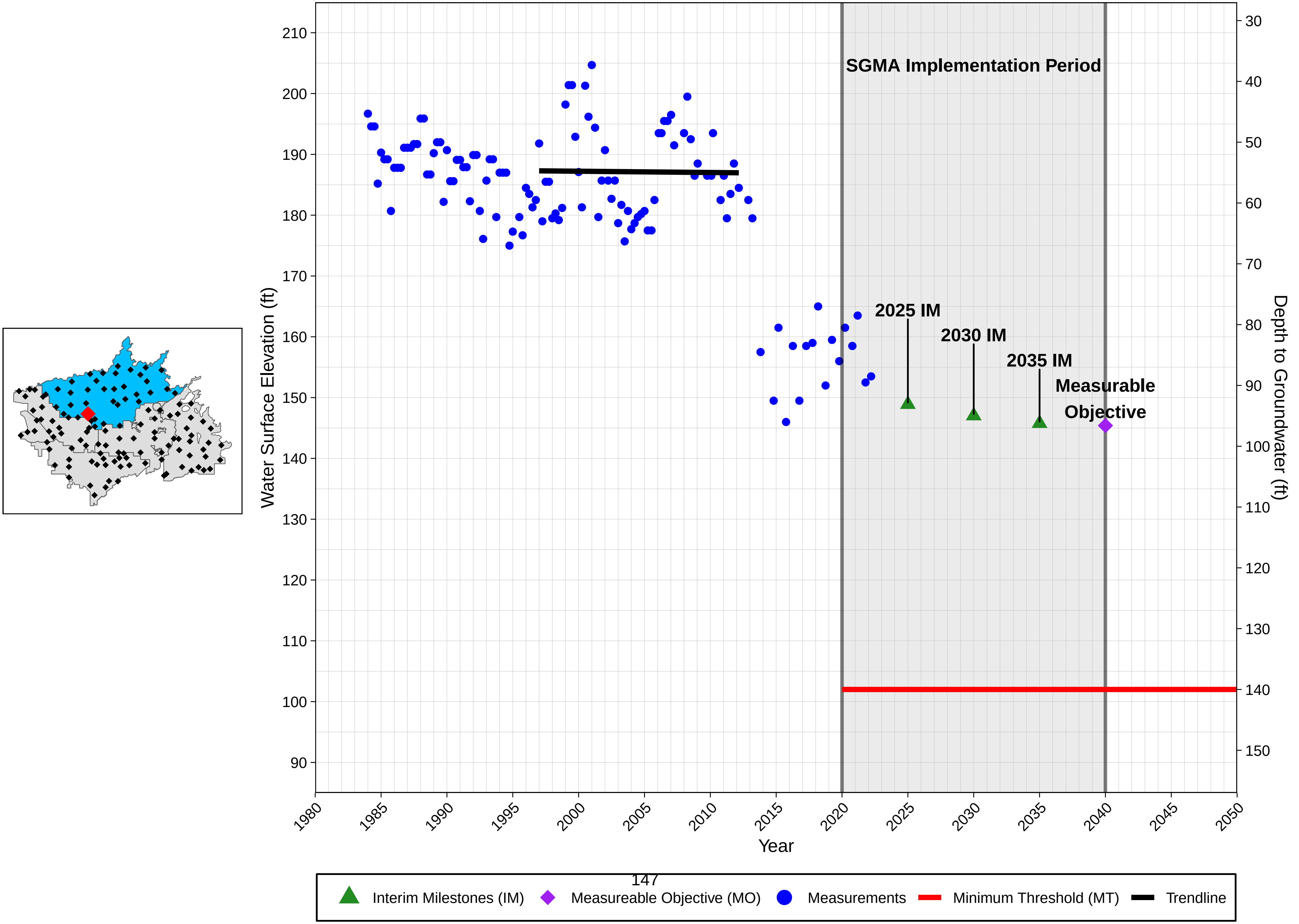


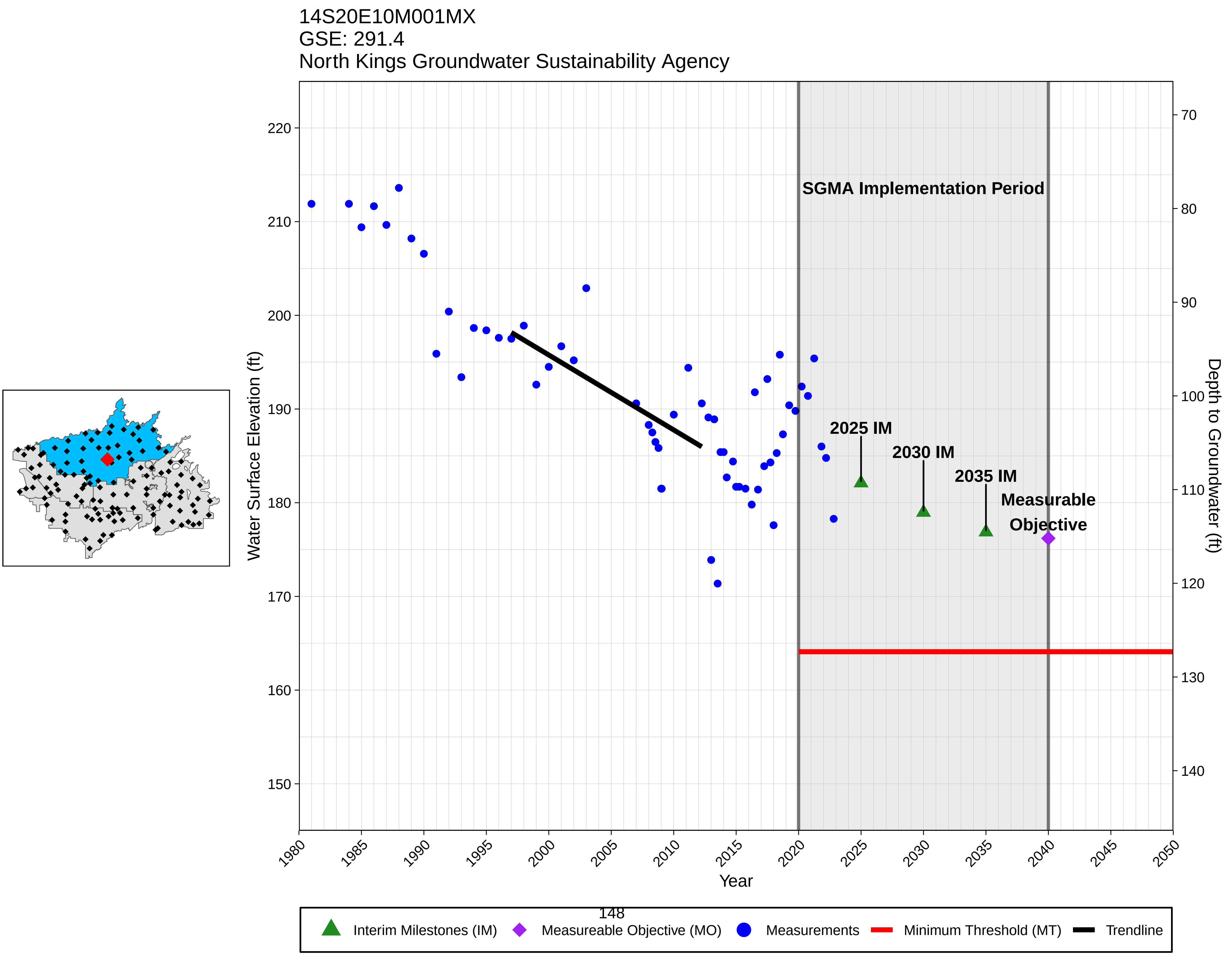





14S19E17C001MX
GSE: 252.4
North Kings Groundwater Sustainability Agency
SGMA Implementation Period
2025 IM
2030 IM
2035 IM
Measurable Objective
Water Surface Elevation (ft)
Depth to Groundwater (ft)
Year
210
200
190
180
170
160
150
140
130
120
110
100
90
40
50
60
70
80
90
100
110
120
130
140
150
160
1980
1985
1990
1995
2000
2005
2010
2015
2020
2025
2030
2035
2040
2045
2050
Interim Milestones (IM)
Measureable Objective (MO)
Measurements
Minimum Threshold (MT)
Trendline

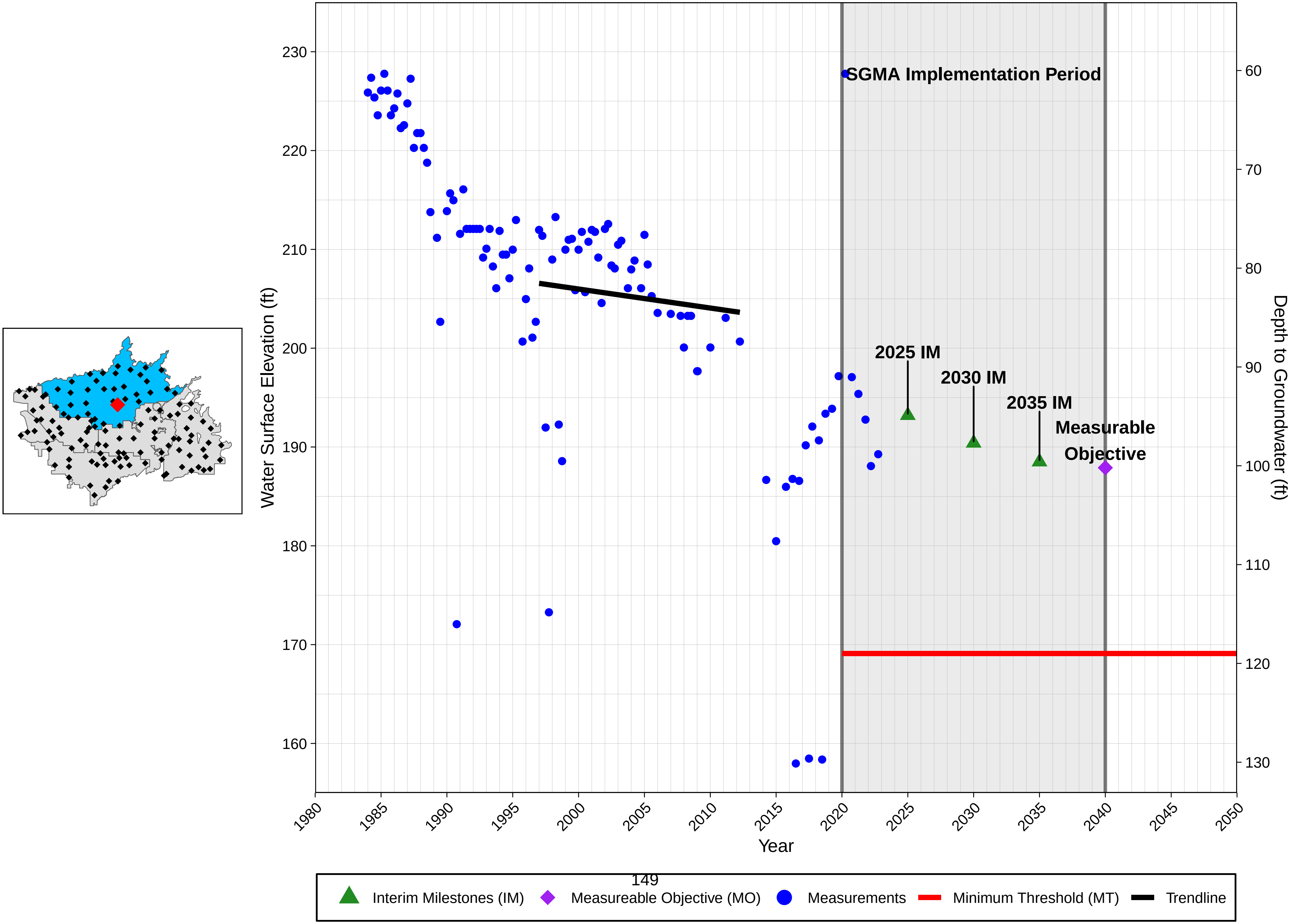
14S19E33D001MX
GSE: 242
North Kings Groundwater Sustainability Agency



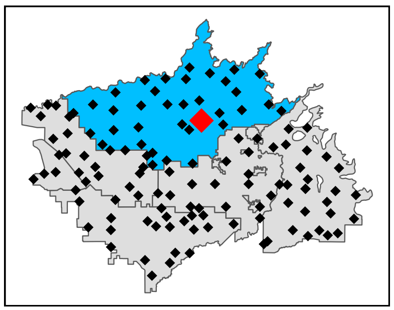


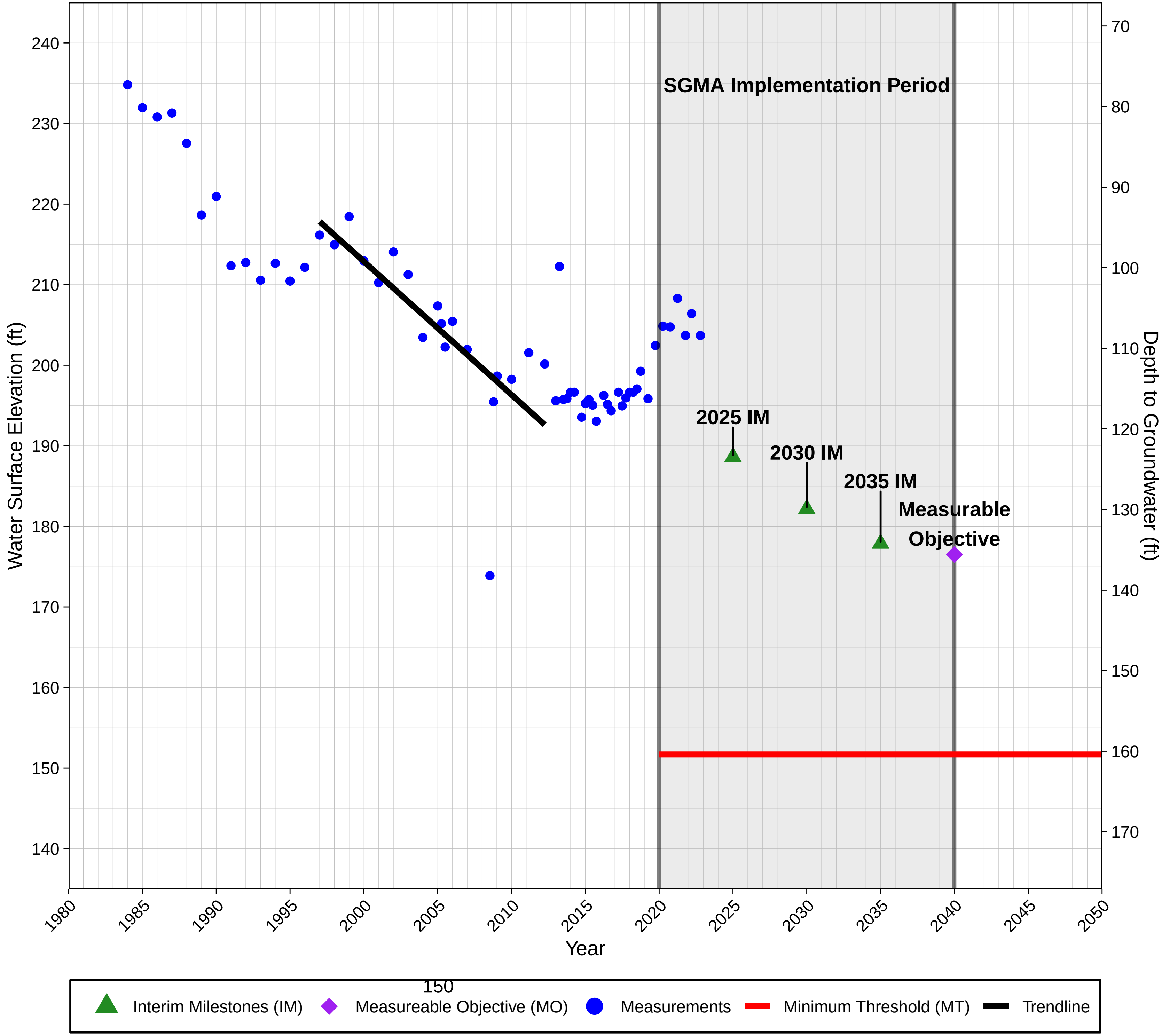
14S20E10M001MX
GSE: 291.4
North Kings Groundwater Sustainability Agency
SGMA Implementation Period
2025 IM
2030 IM
2035 IM
Measurable Objective
Water Surface Elevation (ft)
Depth to Groundwater (ft)
Year
220
210
200
190
180
170
160
150
70
80
90
100
110
120
130
140
1980
1985
1990
1995
2000
2005
2010
2015
2020
2025
2030
2035
2040
2045
2050
Interim Milestones (IM)
Measureable Objective (MO)
Measurements
Minimum Threshold (MT)
Trendline

14S20E14L001MX
GSE: 288.1
North Kings Groundwater Sustainability Agency



14S21E06Q001MX
GSE: 312.1
North Kings Groundwater Sustainability Agency





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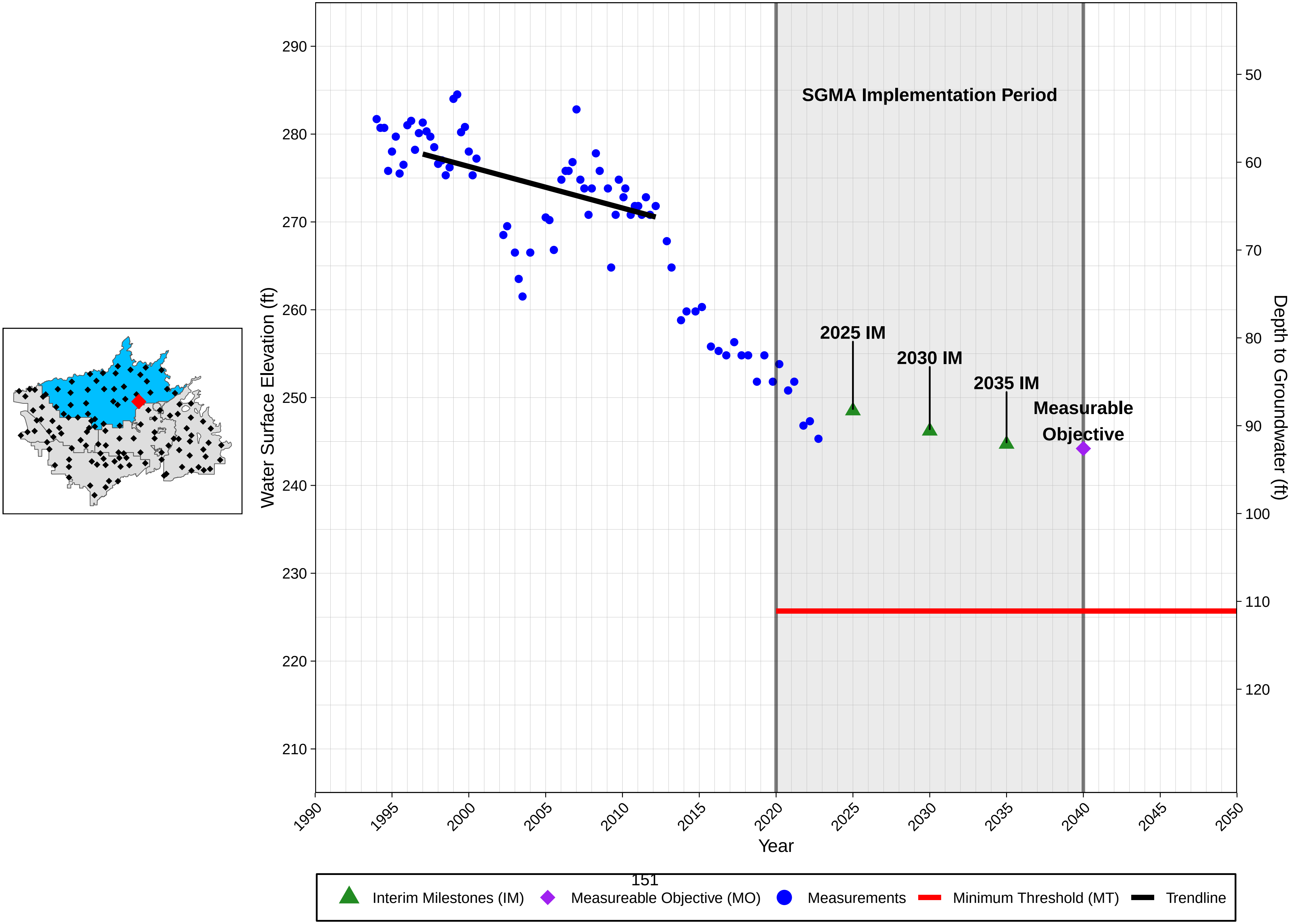
GSE: 336.8
North Kings Groundwater Sustainability Agency



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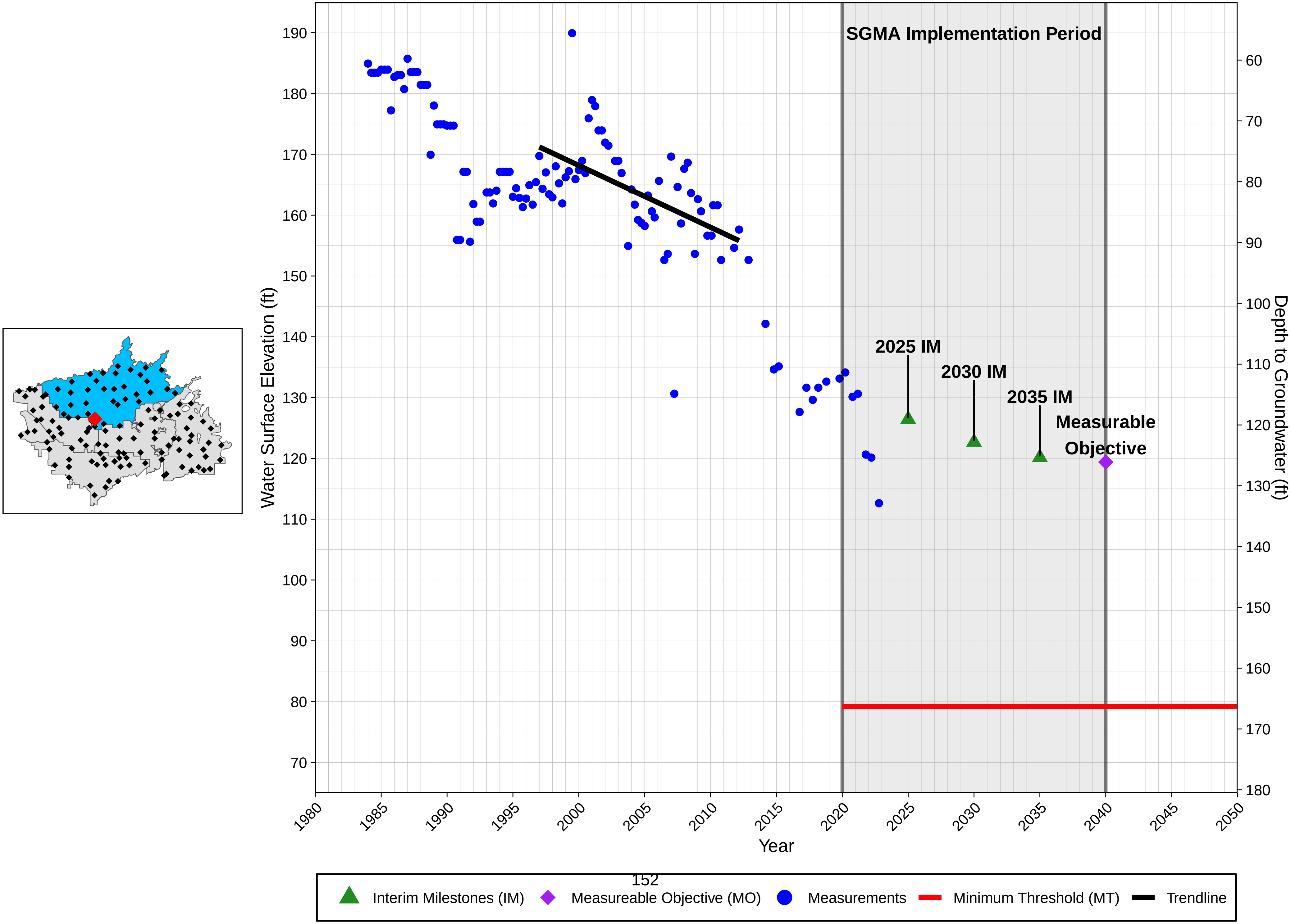
GSE: 245.5
North Kings Groundwater Sustainability Agency



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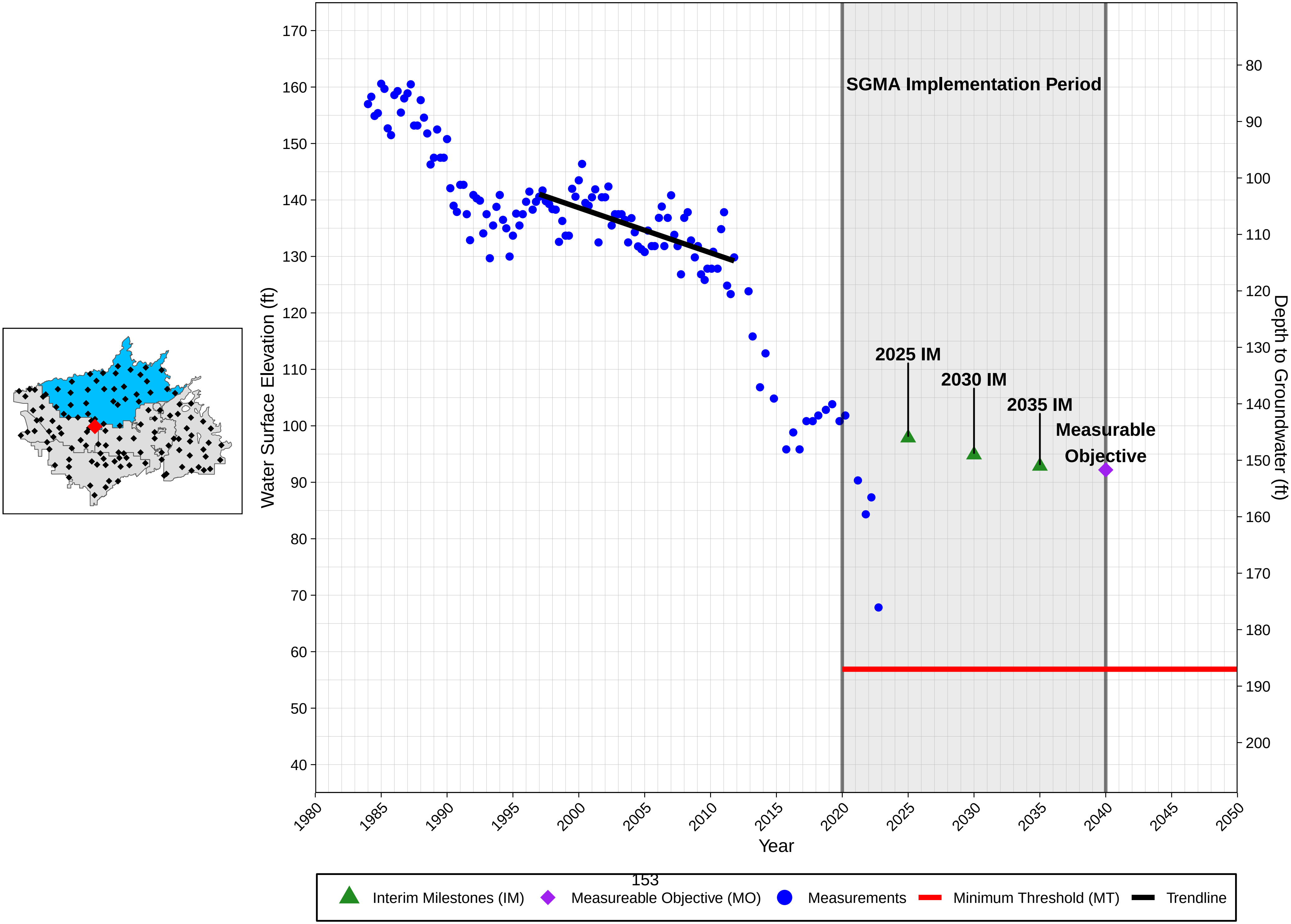
GSE: 243.9
North Kings Groundwater Sustainability Agency



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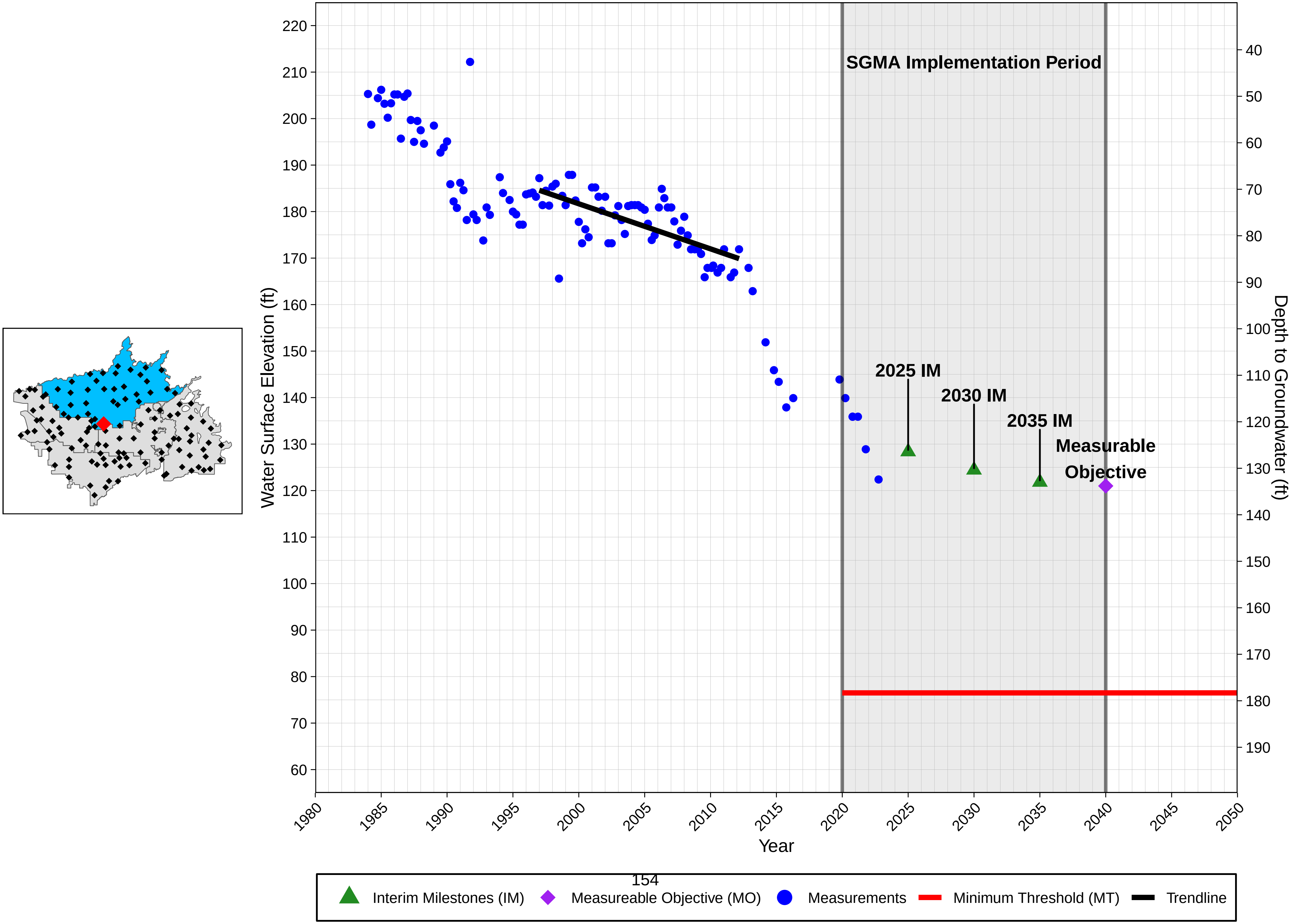
GSE: 254.8
North Kings Groundwater Sustainability Agency



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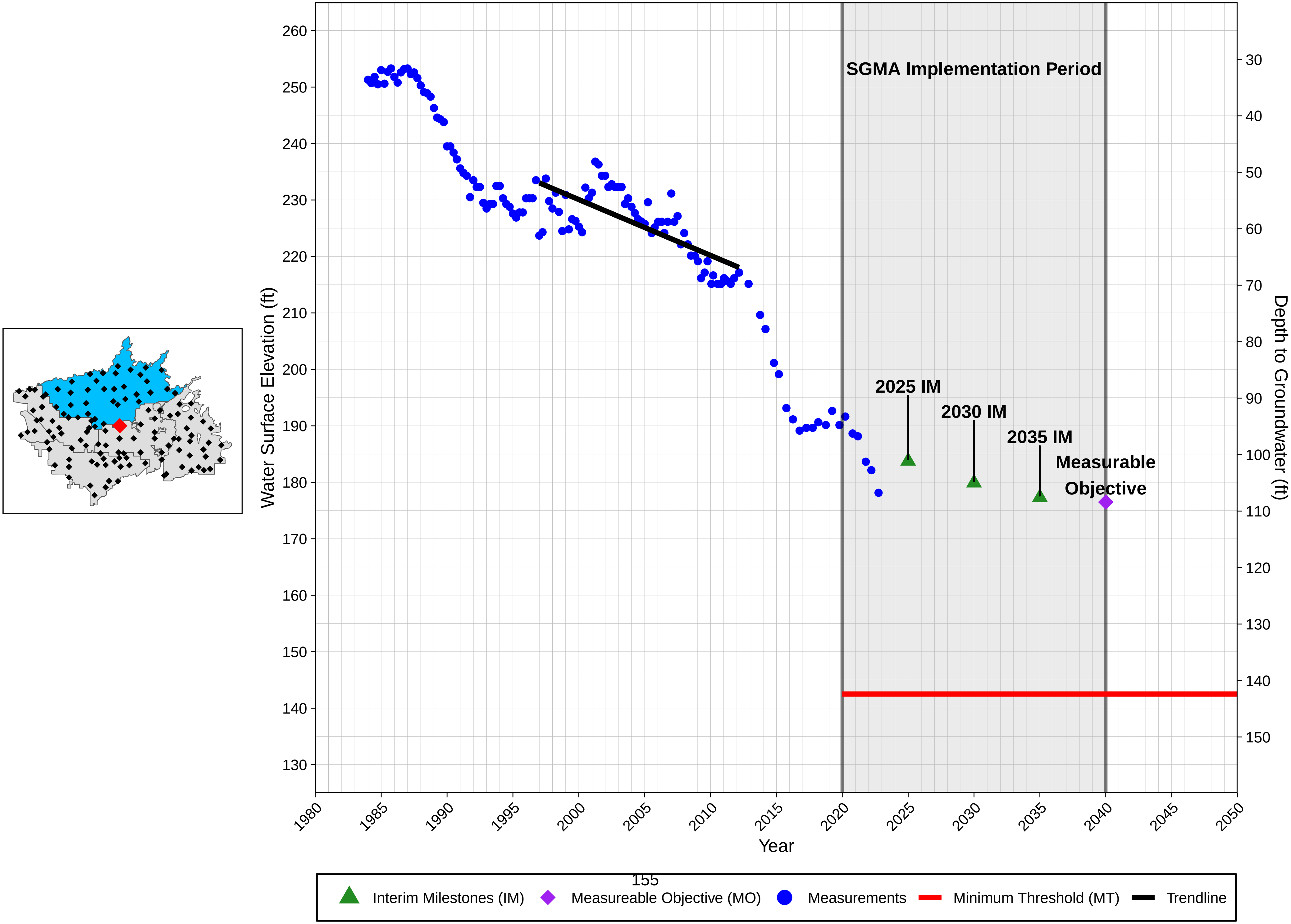
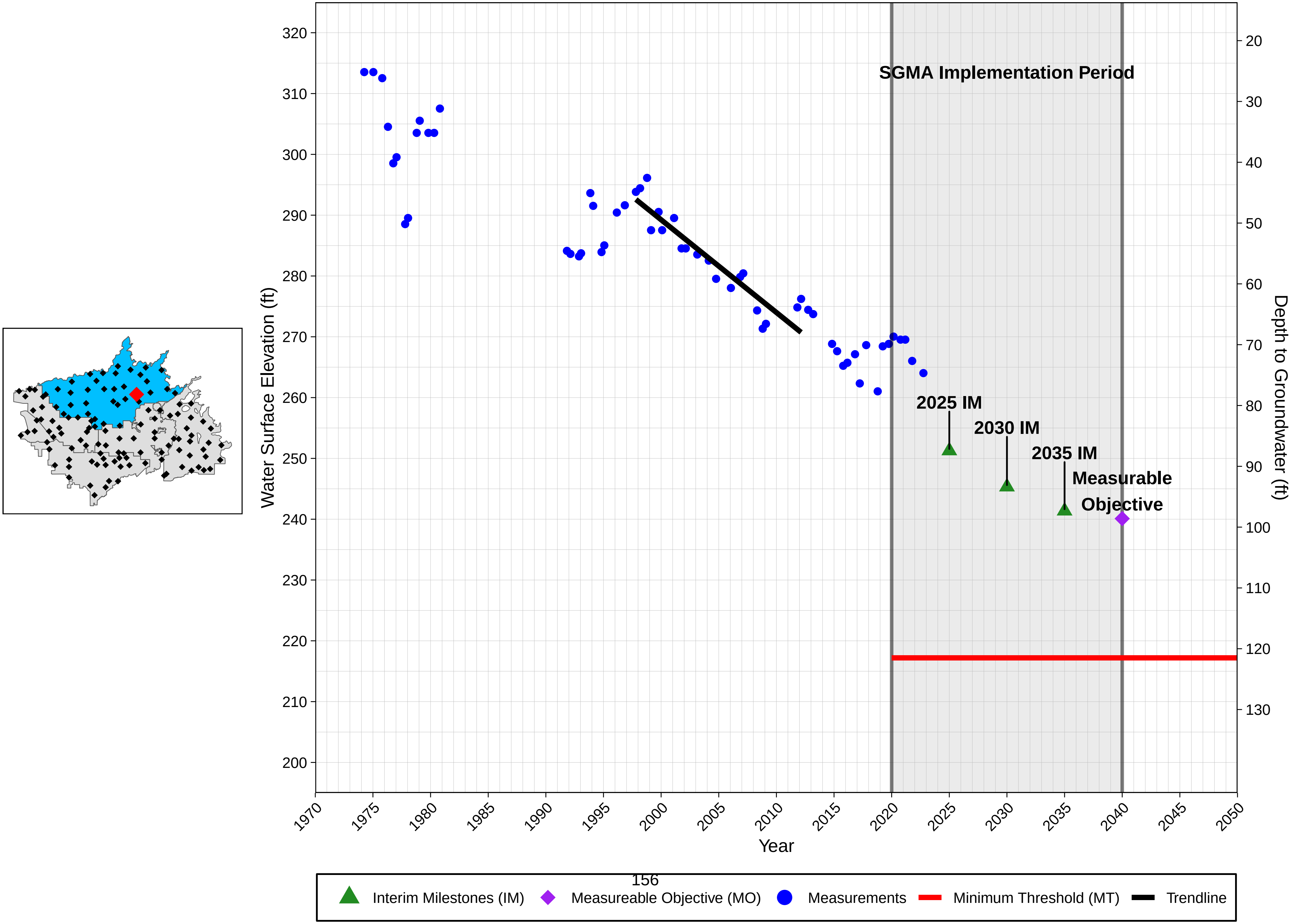
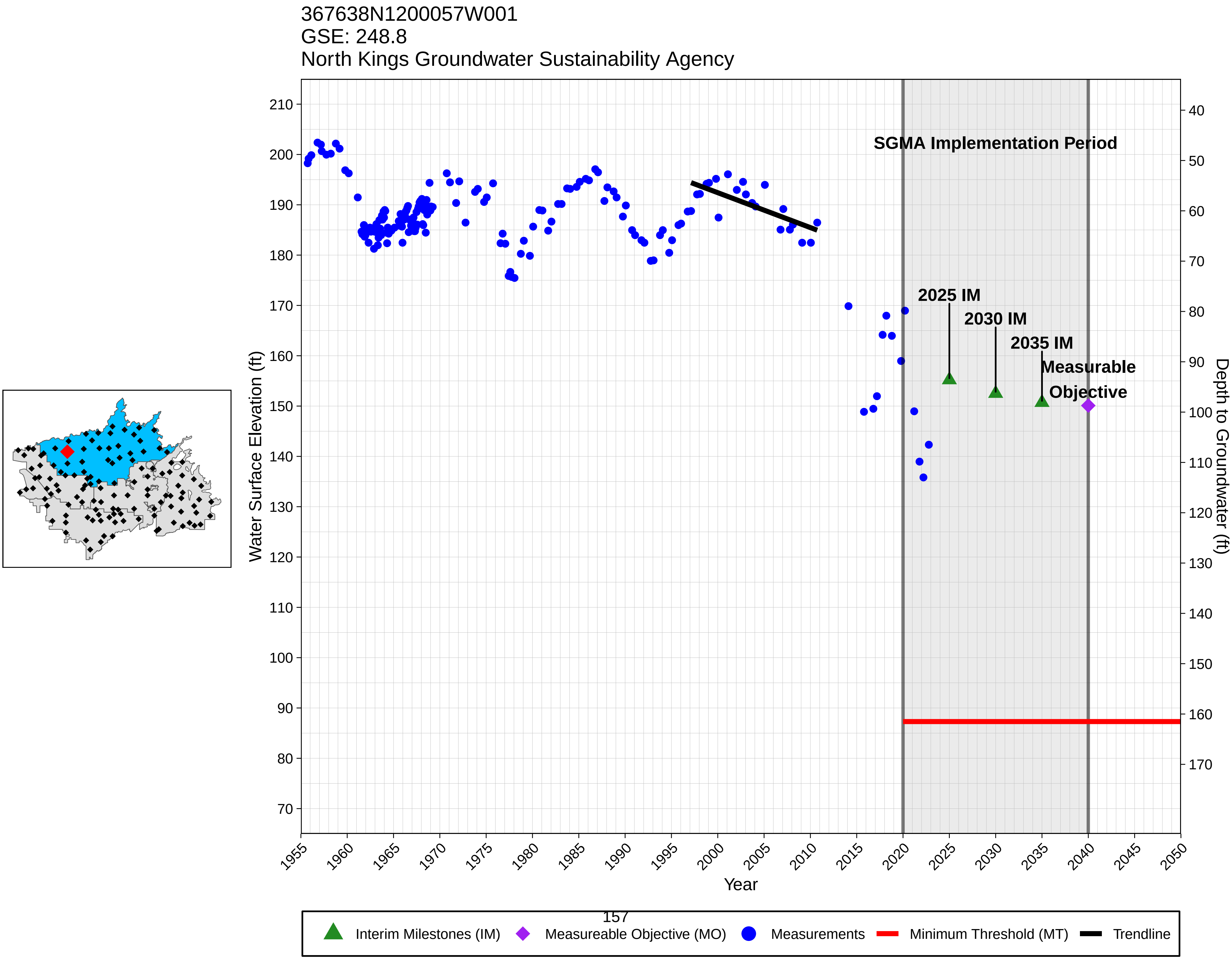
GSE: 284.9
North Kings Groundwater Sustainability Agency

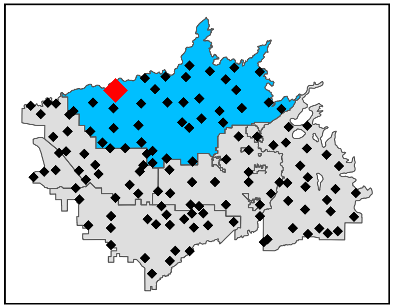


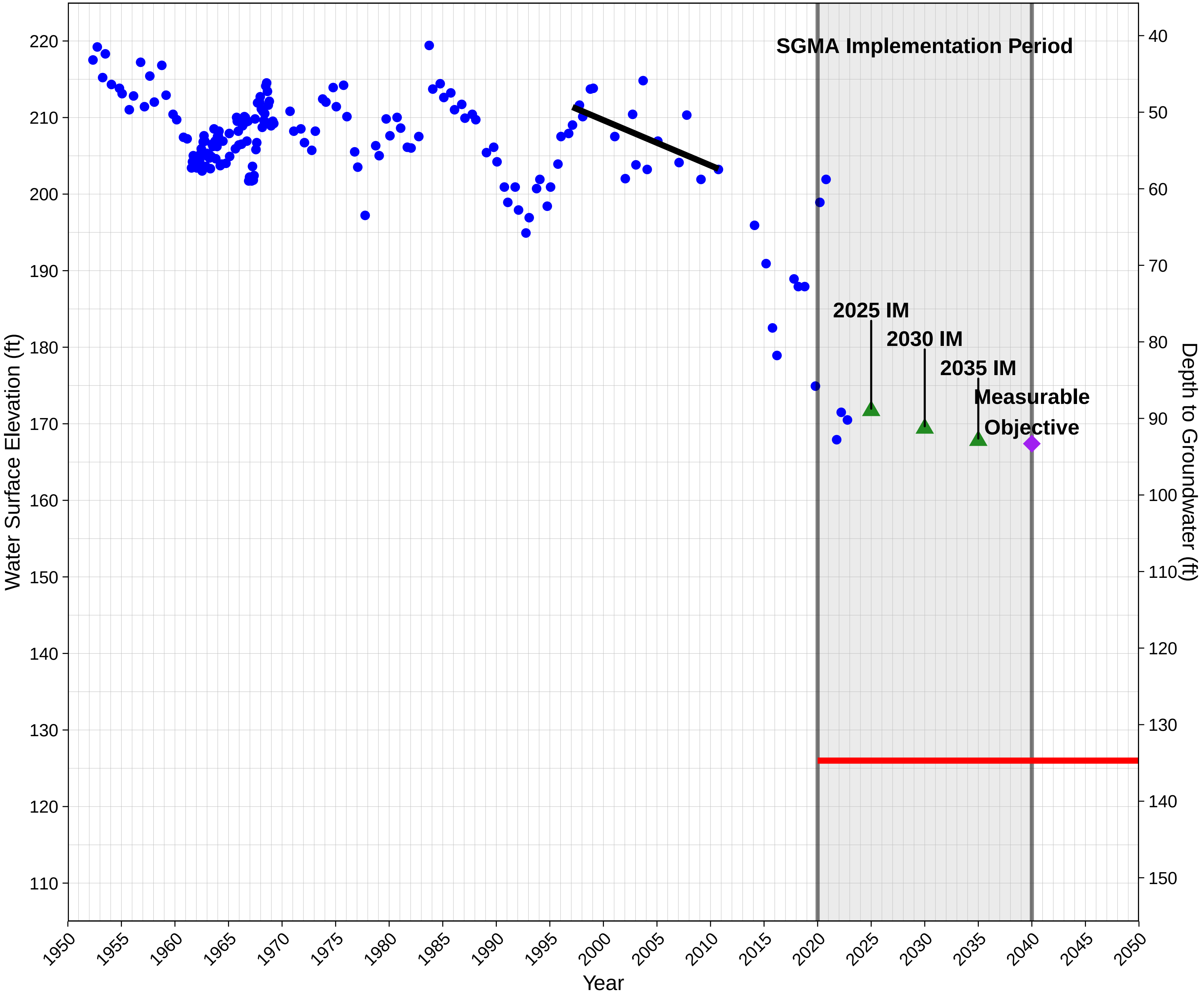
367556N1196666W001
GSE: 338.7
North Kings Groundwater Sustainability Agency



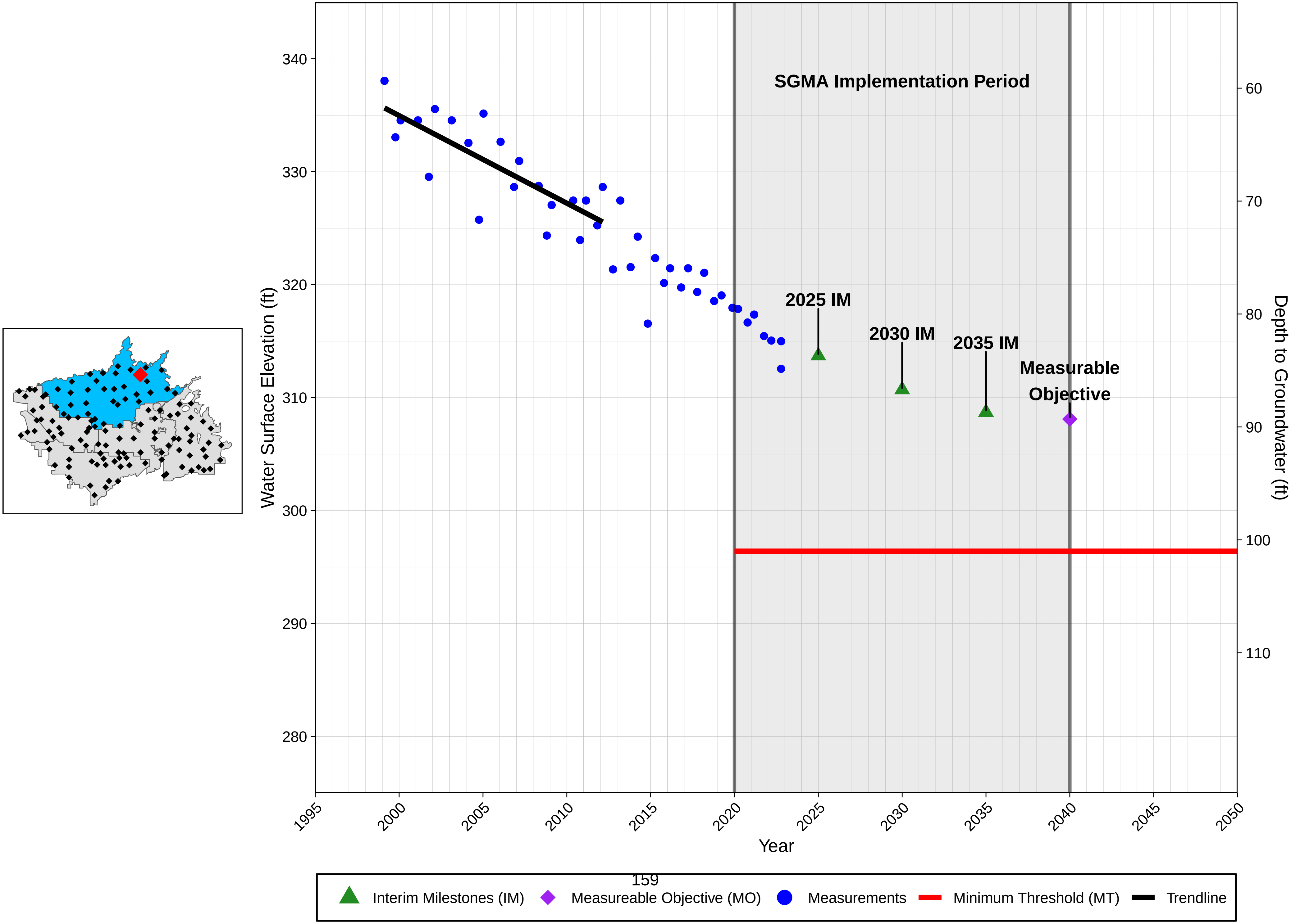

367638N1200057W001
GSE: 248.8
North Kings Groundwater Sustainability Agency
SGMA Implementation Period
2025 IM
2030 IM
2035 IM
Measurable Objective
Water Surface Elevation (ft)
Depth to Groundwater (ft)
Year
Interim Milestones (IM)
Measureable Objective (MO)
Measurements
Minimum Threshold (MT)
Trendline

368093N1199988W001
GSE: 260.7
North Kings Groundwater Sustainability Agency

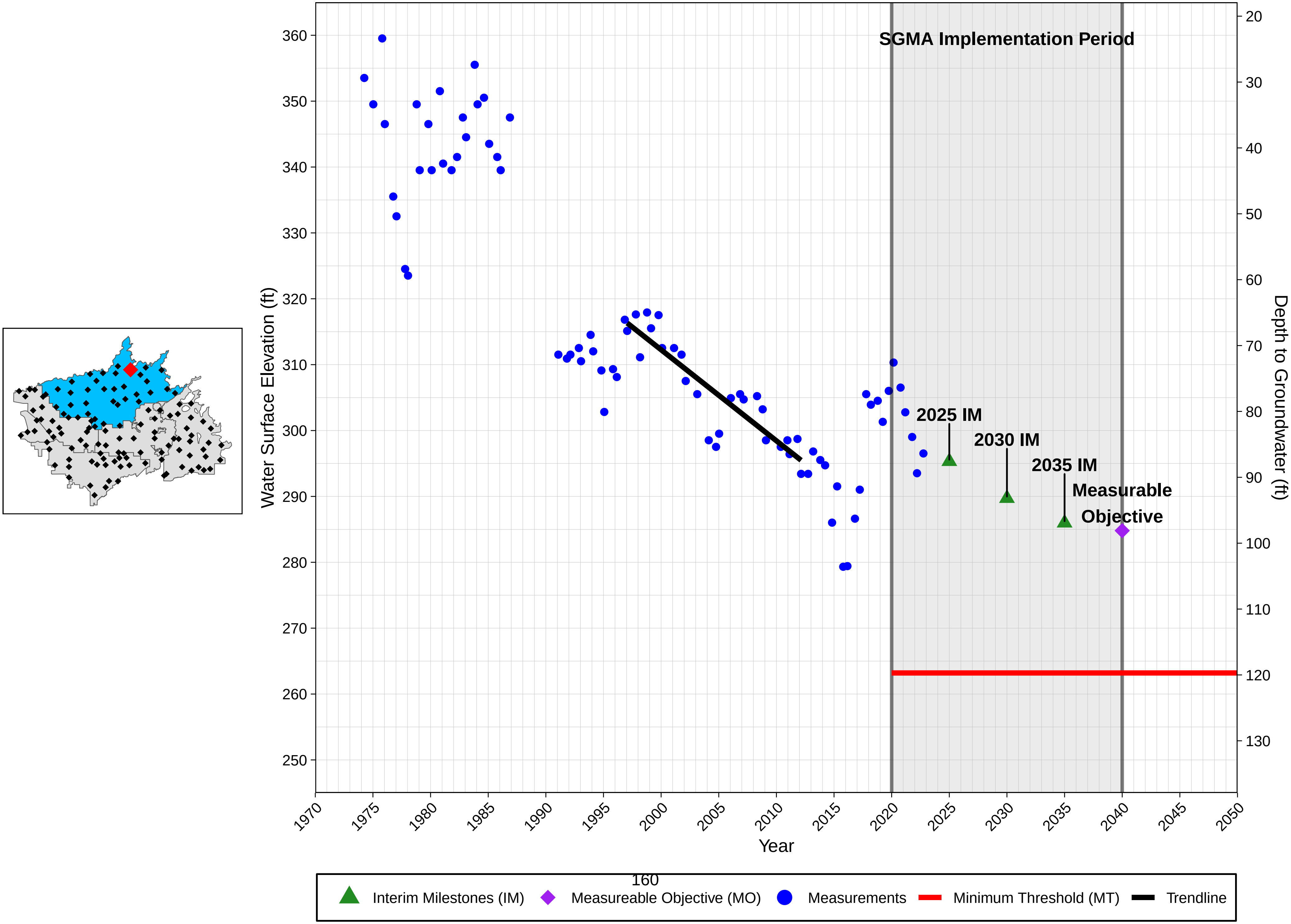


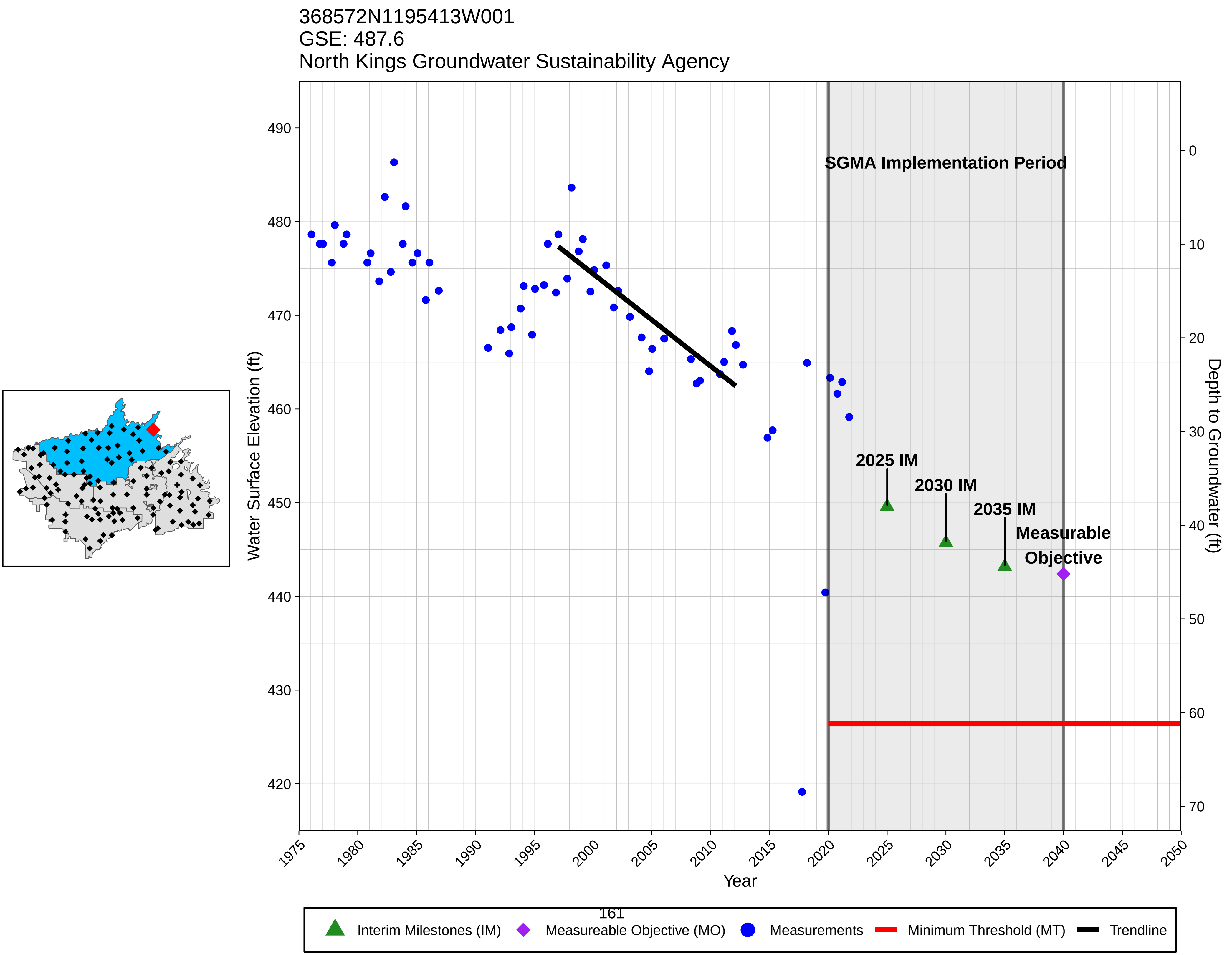


368377N1196479W001
GSE: 397.4
North Kings Groundwater Sustainability Agency



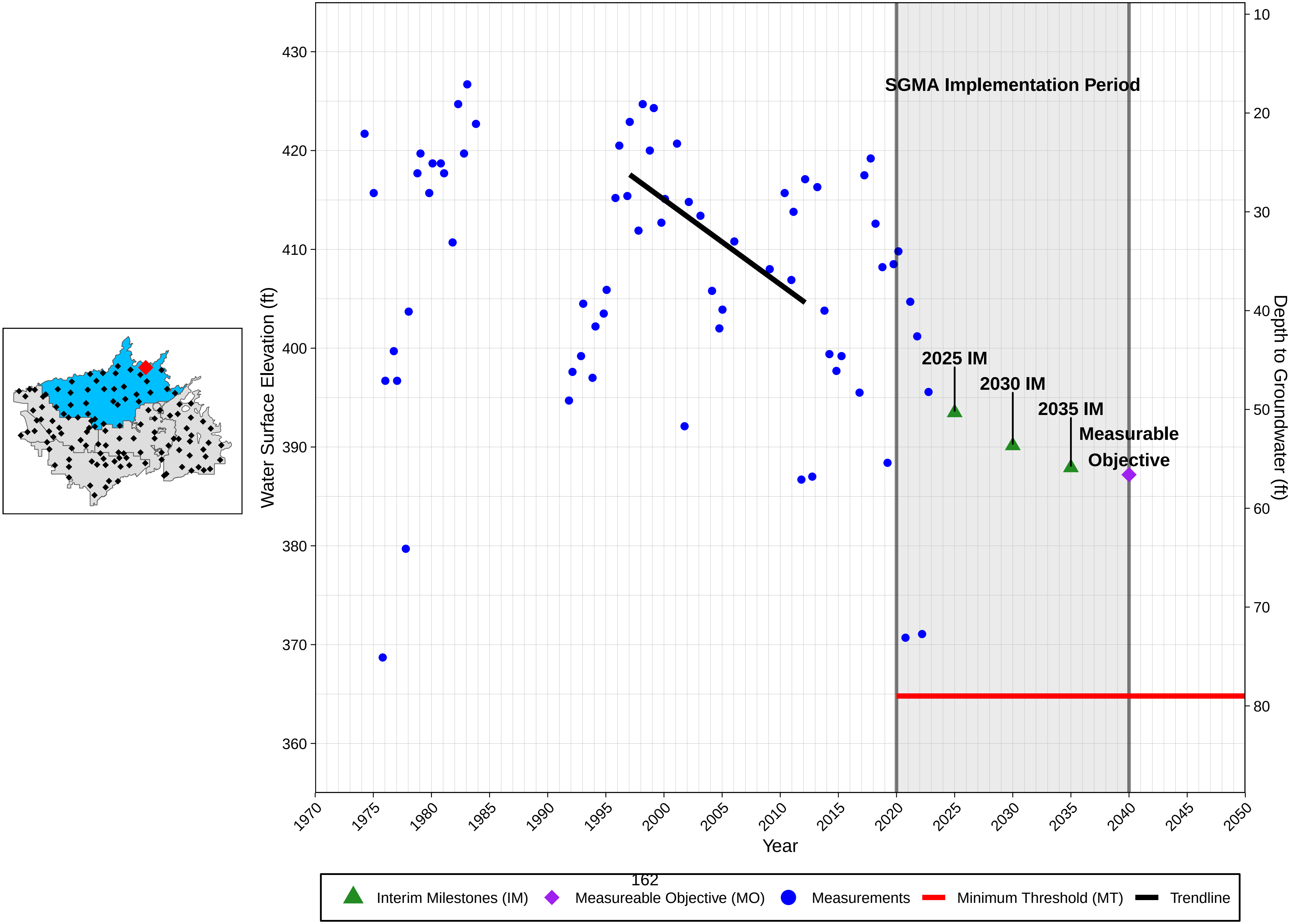
368571N1197002W001
GSE: 382.9
North Kings Groundwater Sustainability Agency



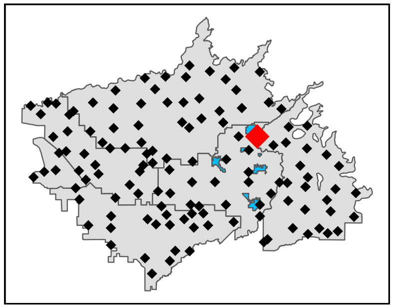


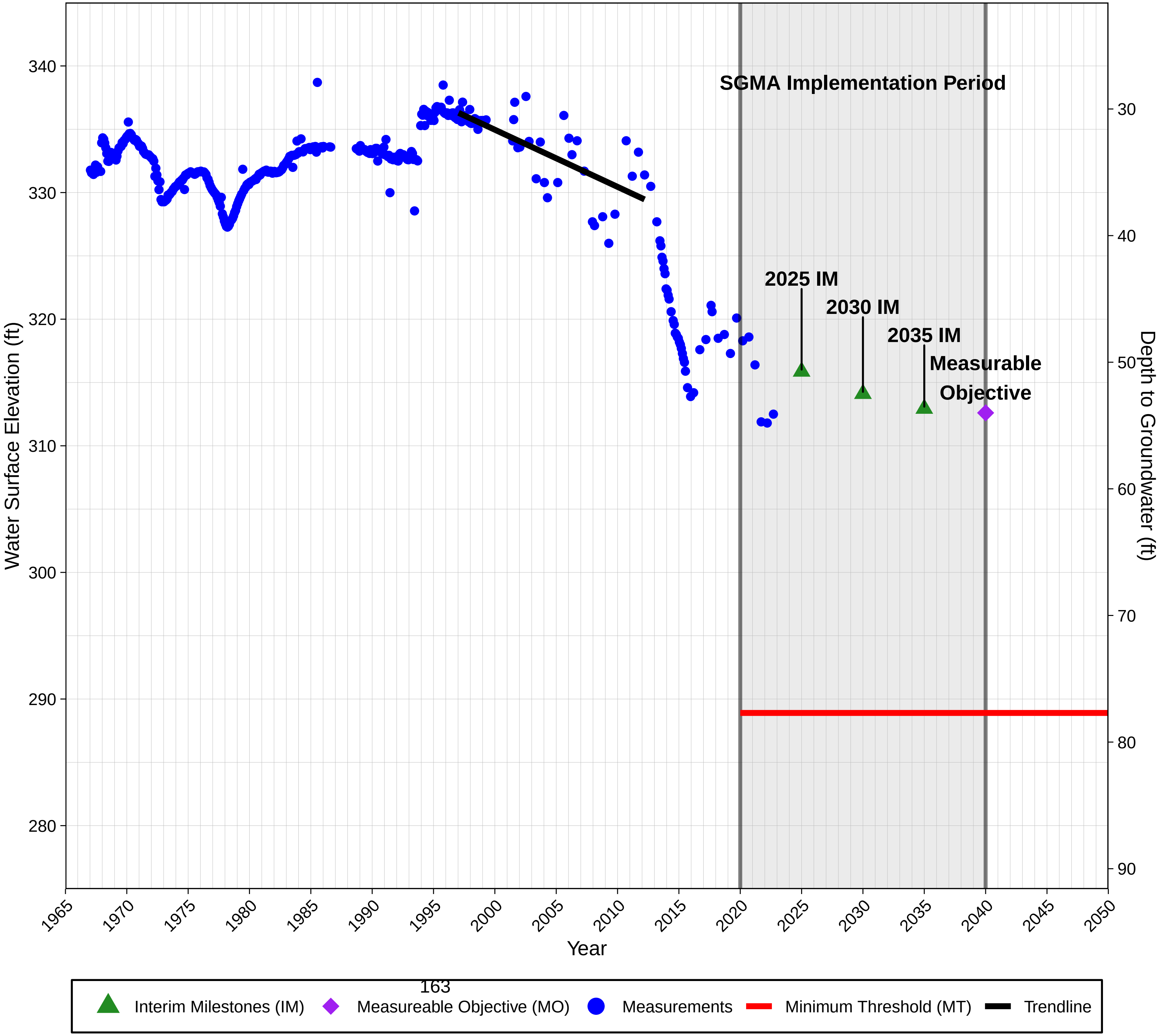
368572N1195413W001
GSE: 487.6
North Kings Groundwater Sustainability Agency
SGMA Implementation Period
2025 IM
2030 IM
2035 IM
Measurable Objective
Water Surface Elevation (ft)
Depth to Groundwater (ft)
Year
Interim Milestones (IM)
Measureable Objective (MO)
Measurements
Minimum Threshold (MT)
Trendline

368683N1196185W001
GSE: 443.8
North Kings Groundwater Sustainability Agency

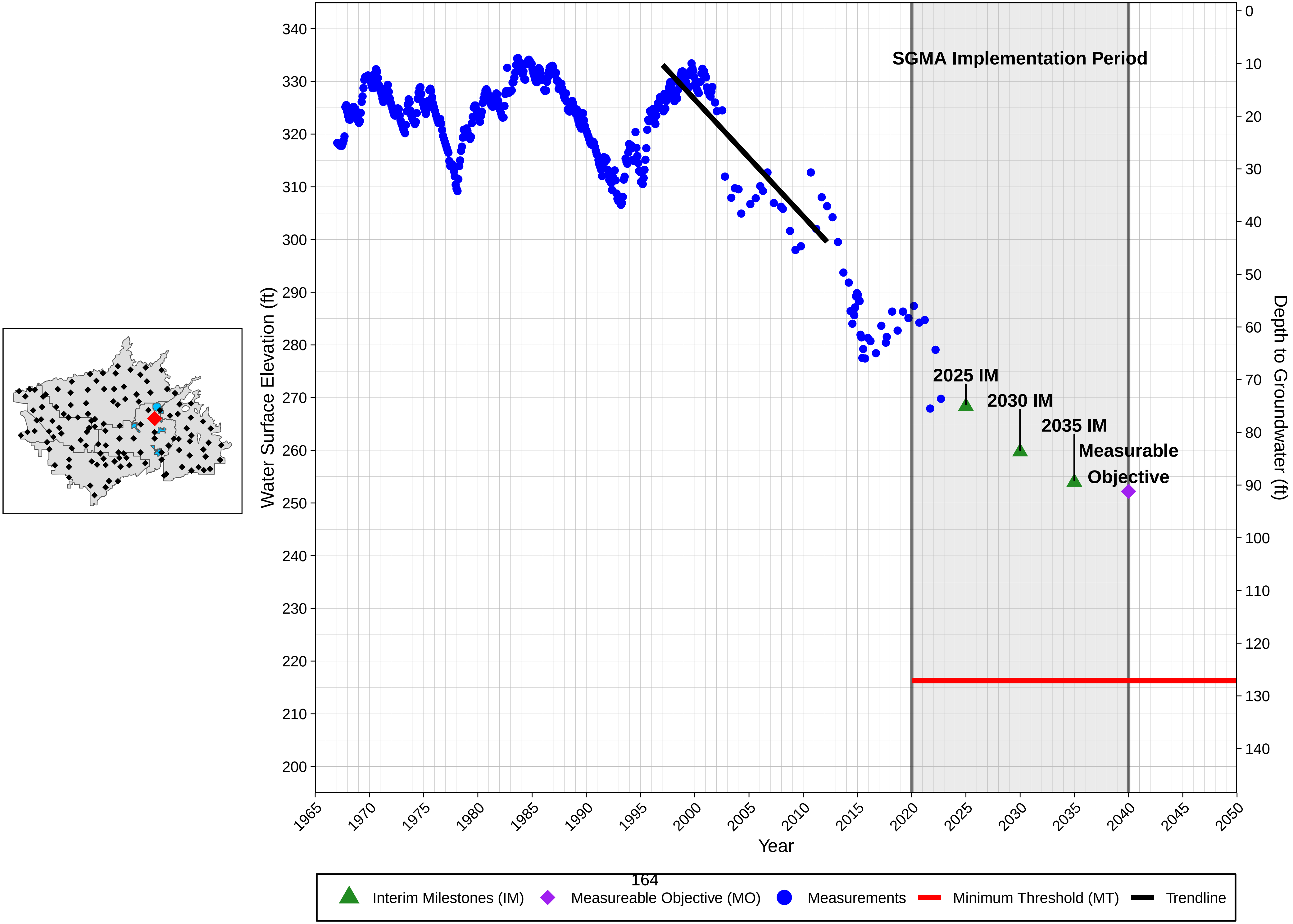


CID10
GSE: 366.6
South Kings Groundwater Sustainability Agency

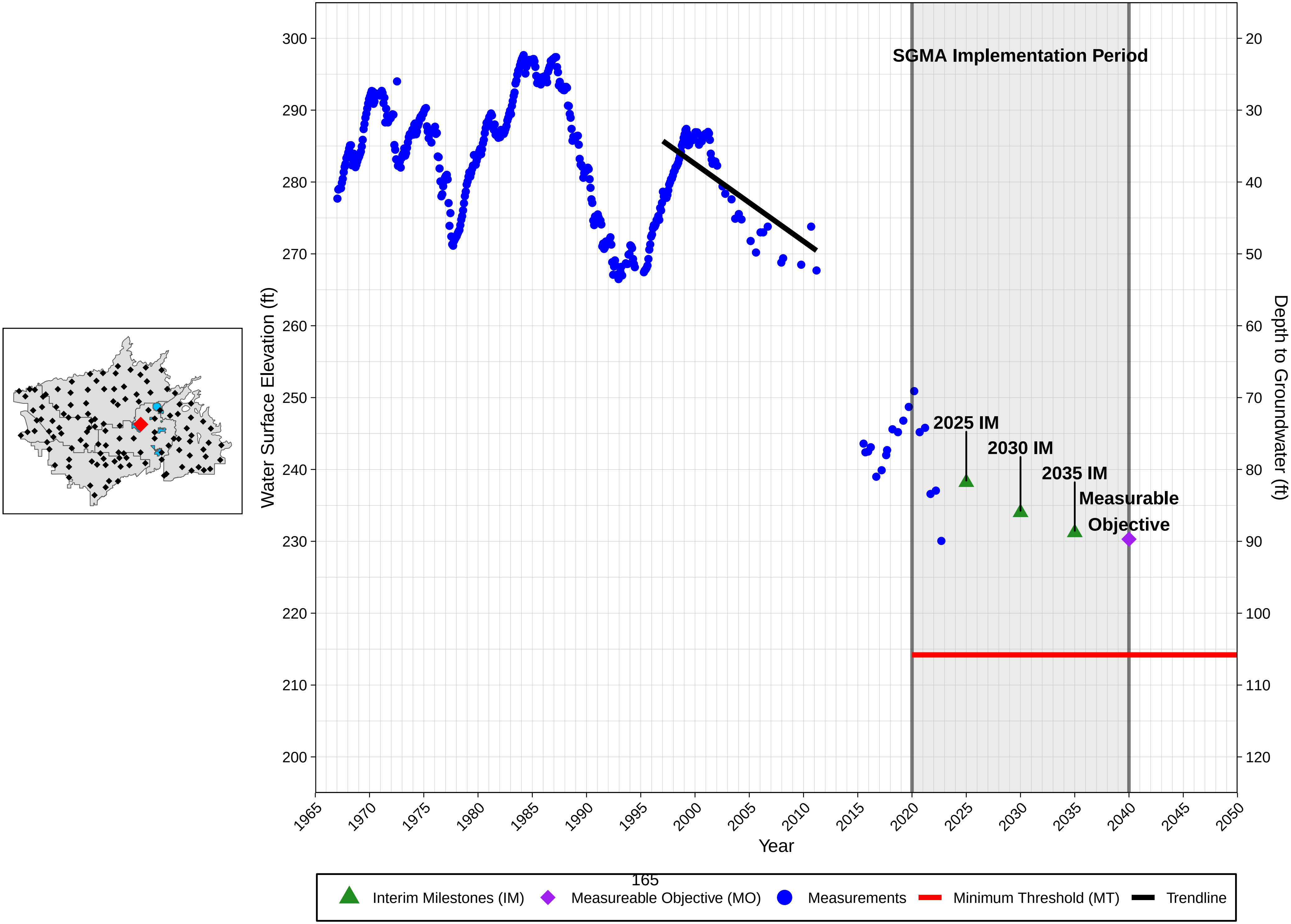




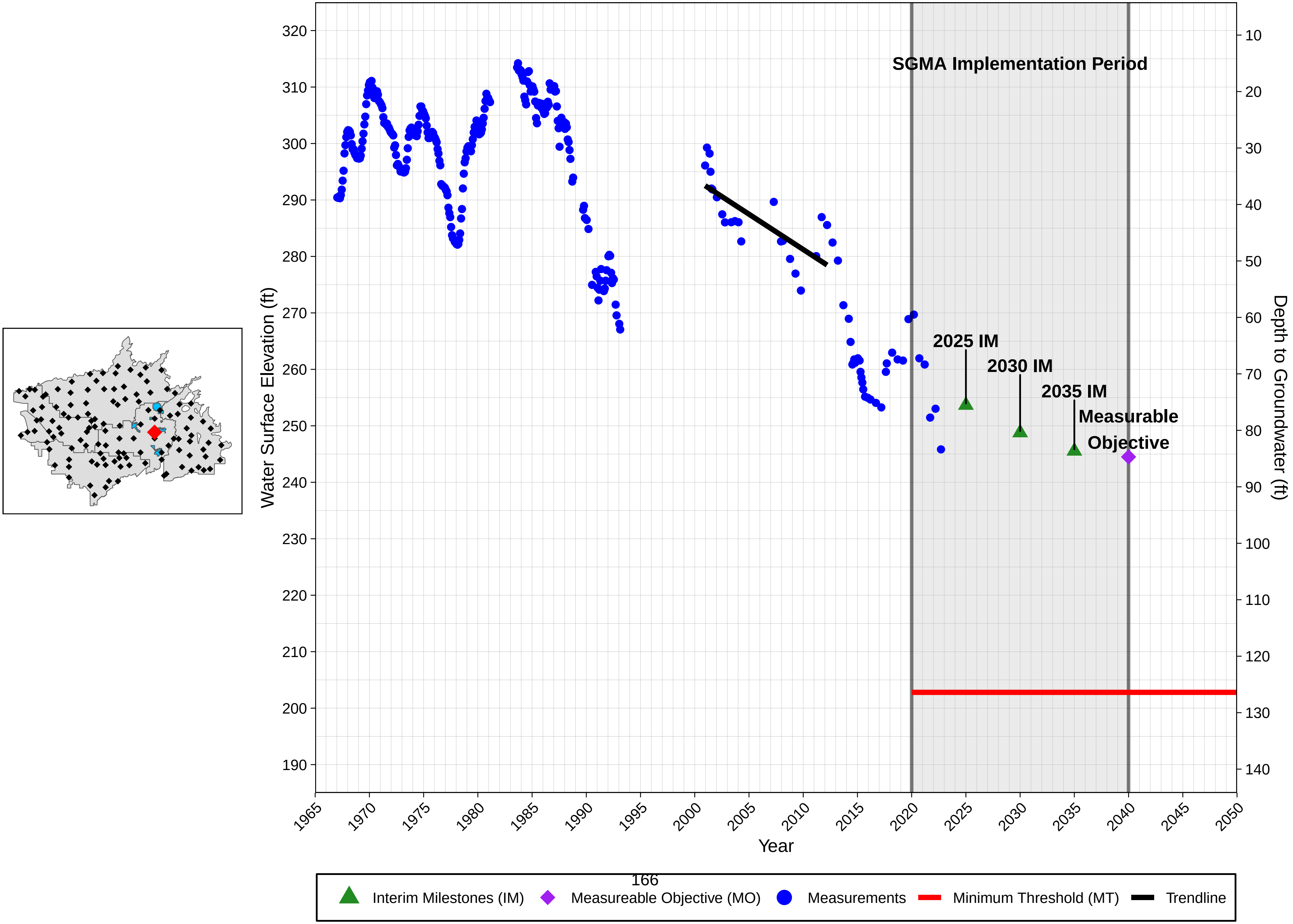
CID12
GSE: 343.4
South Kings Groundwater Sustainability Agency



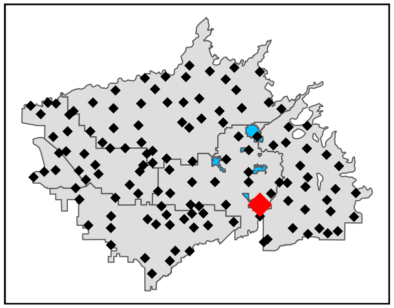
CID16
GSE: 320
South Kings Groundwater Sustainability Agency

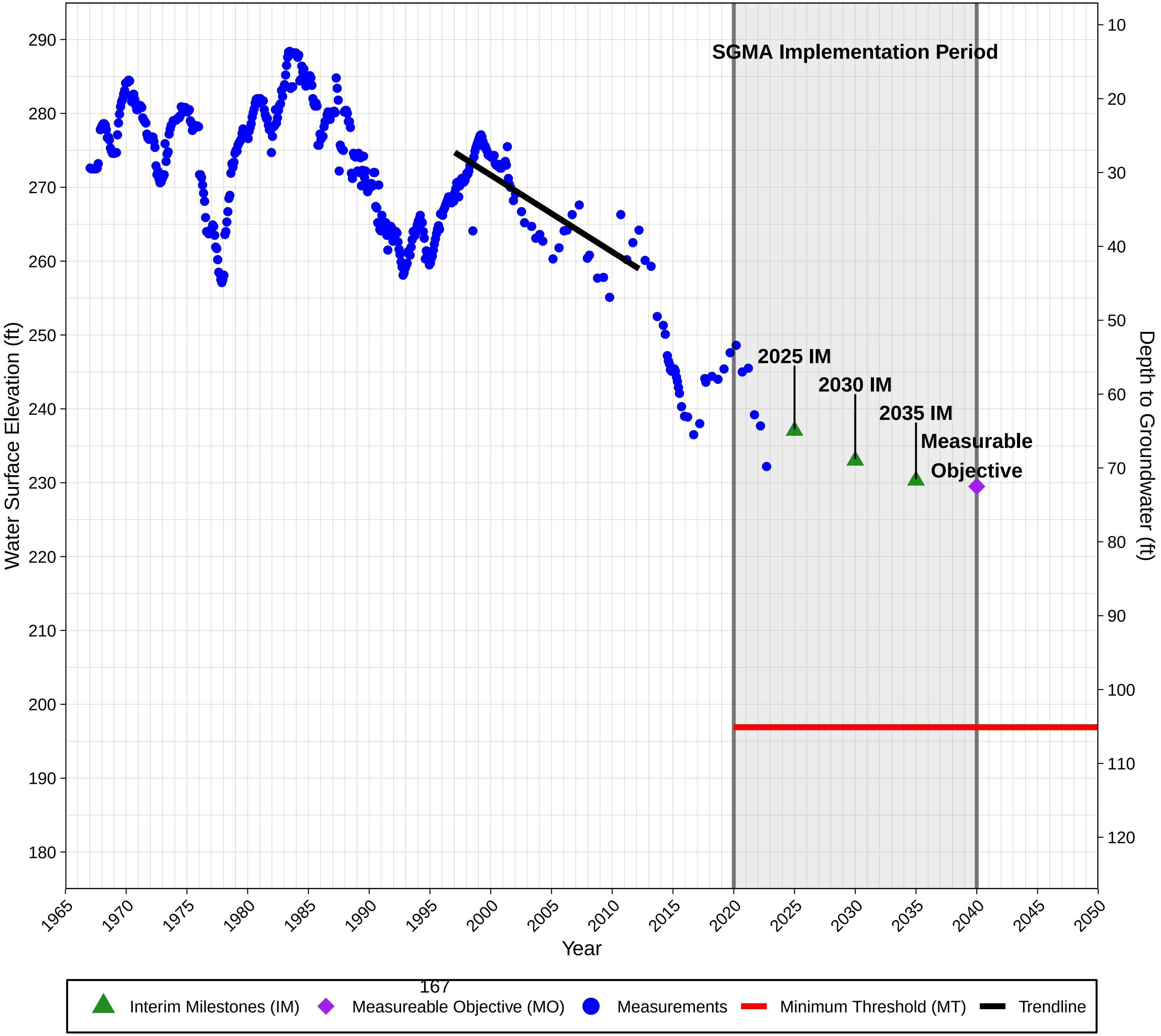


CID25
GSE: 329.2
South Kings Groundwater Sustainability Agency

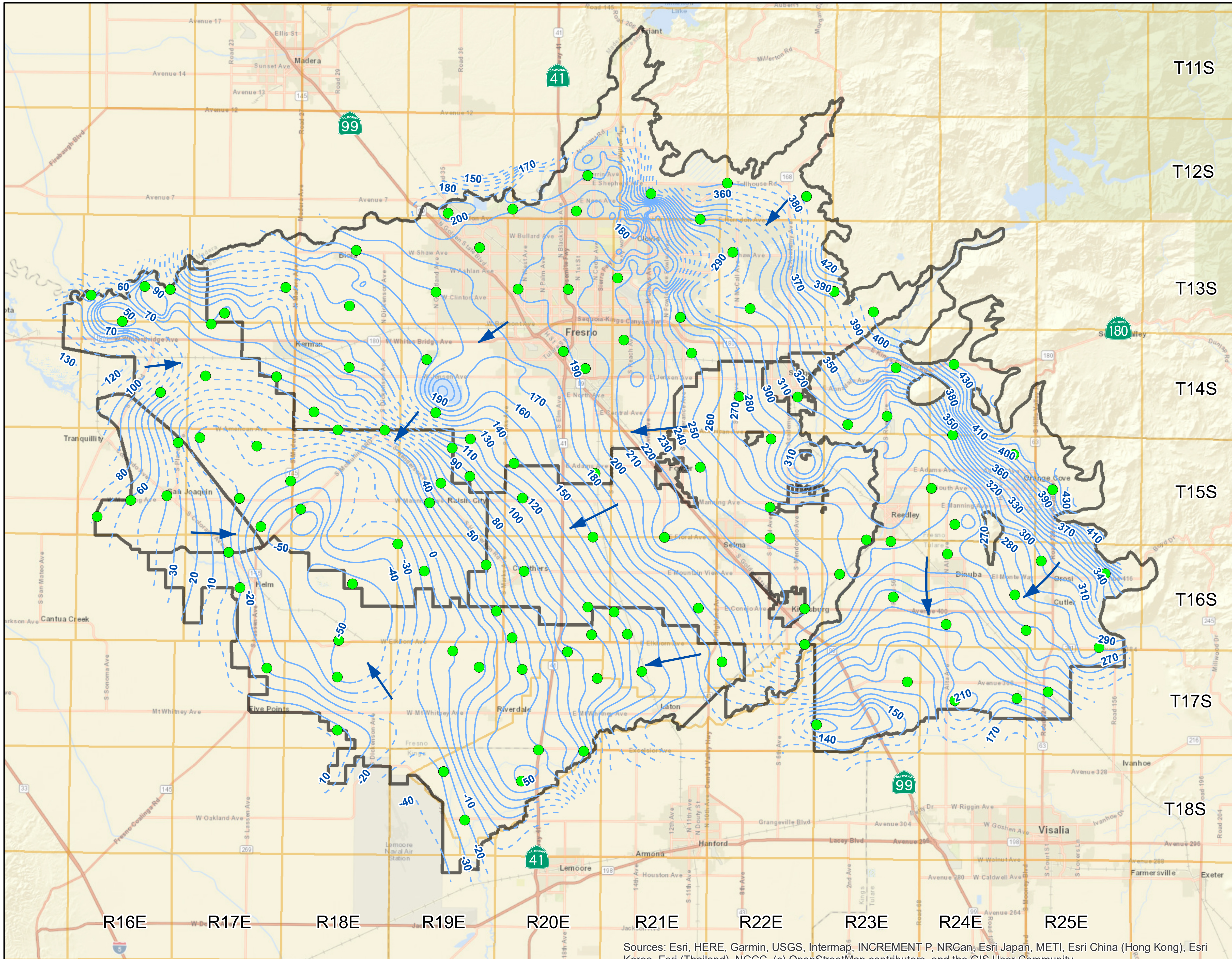


CID34
GSE: 302
South Kings Groundwater Sustainability Agency





Appendix D – Groundwater Contour Maps – Water Surface Elevations



Kings Subbasin Coordinated Effort

Spring 2022
Groundwater Elevation Contours

- Kings Subbasin GSAs
- Township/Range
- Indicator Wells
- Generalized GW Flow Direction

Water Level Contours

- Line of Equal Elevation (10ft interval)*

**NOTES: Dashed lines represent inferred Line of Equal Elevation*

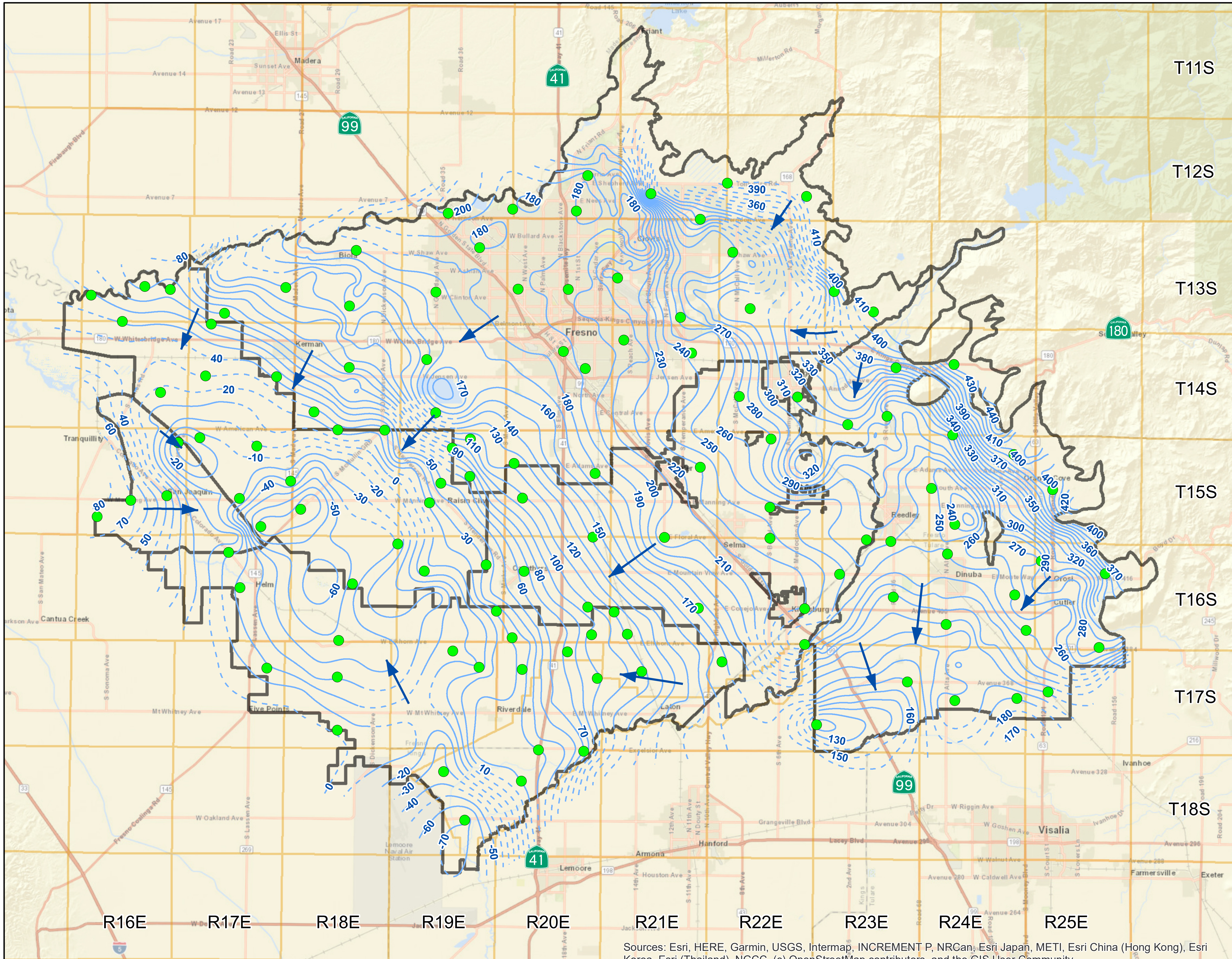
Indicator Wells represent a subset of total wells used in contour analysis.

FIGURE 1

PROVOST& PRITCHARD

0 3 6
Miles

3/30/2023 : G:\Kings River East GSA-2664\Kings Basin Ongoing\400 GIS\Map\WY2022_AnnualReport\WSE\Final\Spring22_WSE_All_11x17.mxd



Kings Subbasin Coordinated Effort

Fall 2022
Groundwater Elevation Contours

FIGURE 2

PROVOST & PRITCHARD

3/30/2023 : G:\Kings River East GSA-2664\Kings Basin Ongoing\400 GIS\Map\WY2022_AnnualReport\WSE\Final\Fall22_WSE_All_11x17.mxd

Appendix E – Water Quality Data and Minimum Threshold Values

Central Kings Groundwater Sustainability Agency

CKGSA Well 1000192-001

Sample Date	Arsenic (mg/L)	DBCP (mg/L)	Methyl Tert-Butyl Ether (MTBE) (mg/L)	Nitrate as N (mg/L)	Tetrachloroethylene (PCE) (mg/L)	Trichloroethylene (TCE) (mg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Uranium (pCi/L)	Hexavalent Chromium (µg/L)
2022 Groundwater Quality Data									
12/14/2022	-	-	-	1.7	-	-	-	-	-
2015-2021 Groundwater Quality Data									
10/22/2021	0.0017	-	-	2.2	-	-	ND	-	-
10/9/2020	-	-	-	1.9	-	-	-	-	-
1/3/2020	-	-	-	-	-	-	ND	-	-
10/11/2019	-	-	-	1.6	-	-	-	-	-
1/11/2019	-	-	-	-	-	-	ND	-	-
10/23/2018	0.0024	-	-	1.5	-	-	ND	-	-
7/20/2018	-	-	-	-	-	-	0.006	-	-
4/13/2018	-	-	-	-	-	-	0.006	-	-
3/2/2018	-	-	-	-	-	-	0.005	-	-
4/21/2017	-	-	-	1.6	-	-	-	-	-
10/7/2016	-	-	-	-	ND	ND	-	-	-
4/15/2016	-	-	-	1.4	-	-	-	-	-
10/12/2015	0.0024	-	-	1.9	-	-	-	-	-
2/24/2015	0.002	-	-	-	-	-	-	-	-
Minimum Threshold	**0.01**	**0.0002**	**0.013**	**10**	**0.005**	**0.005**	**0.0072**	**20**	**20**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

CKGSA Well 1000194-001

Sample Date	Arsenic (mg/L)	DBCP (mg/L)	Methyl Tert-Butyl Ether (MTBE) (mg/L)	Nitrate as N (mg/L)	Tetrachloroethylene (PCE) (mg/L)	Trichloroethylene (TCE) (mg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Uranium (pCi/L)	Hexavalent Chromium (µg/L)
2022 Groundwater Quality Data									
7/13/2022	-	-	-	1.2	-	-	-	-	-
2015-2021 Groundwater Quality Data									
8/10/2021	-	-	-	-	-	-	ND	-	-
7/19/2021	-	-	-	1	-	-	-	-	-
4/12/2021	0.004	-	-	1.2	-	-	-	-	-
7/28/2020	-	-	-	1.1	-	-	-	-	-
7/30/2019	-	-	-	1.1	-	-	-	-	-
11/6/2018	-	-	-	-	-	-	ND	-	-
8/6/2018	-	-	-	-	-	-	ND	-	-
5/8/2018	-	-	-	-	-	-	ND	-	-
4/11/2018	0.0041	-	-	0.6	-	-	-	-	-
2/13/2018	-	-	-	-	-	-	ND	-	-
7/25/2017	-	-	-	1	-	-	-	-	-
4/11/2017	-	-	-	-	ND	ND	-	-	-
7/18/2016	-	-	-	0.9	-	-	-	-	-
4/14/2015	0.0047	-	-	-	-	-	-	-	-
Minimum Threshold	**0.01**	**0.0002**	**0.013**	**10**	**0.005**	**0.005**	**0.005**	**20**	**20**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

CKGSA Well 1000196-012

Sample Date	Arsenic (mg/L)	DBCP (mg/L)	Methyl Tert-Butyl Ether (MTBE) (mg/L)	Nitrate as N (mg/L)	Tetrachloroethylene (PCE) (mg/L)	Trichloroethylene (TCE) (mg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Uranium (pCi/L)	Hexavalent Chromium (µg/L)
2022 Groundwater Quality Data									
11/15/2022	-	-	-	-	-	-	0.077	-	-
8/23/2022	-	-	-	-	-	-	0.095	-	-
7/11/2022	-	-	-	-	ND	ND	-	-	-
6/13/2022	-	-	-	6.4	-	-	-	-	-
6/3/2022	-	-	-	-	-	-	0.094	-	-
2/24/2022	-	-	-	-	-	-	0.072	-	-
2015-2021 Groundwater Quality Data									
11/30/2021	-	-	-	-	-	-	0.093	-	-
8/26/2021	-	-	-	-	-	-	0.1	-	-
6/22/2021	ND	-	-	6.2	-	-	-	-	-
5/10/2021	-	-	-	-	-	-	0.11	-	-
2/12/2021	-	-	-	-	-	-	0.11	-	-
11/23/2020	-	-	-	-	-	-	0.1	-	-
8/11/2020	-	-	-	-	-	-	0.11	-	-
7/7/2020	-	-	-	5.6	-	-	-	-	-
5/14/2020	-	-	-	-	-	-	0.11	-	-
2/13/2020	-	-	-	-	-	-	0.13	-	-
12/11/2019	-	-	-	-	-	-	-	4.6	-
11/8/2019	-	-	-	-	-	-	0.12	-	-
8/20/2019	-	-	-	-	-	-	0.11	-	-
7/12/2019	-	-	-	5.4	-	-	-	-	-
5/15/2019	-	-	-	-	-	-	0.11	-	-
2/7/2019	-	-	-	-	-	-	0.12	-	-
11/16/2018	-	-	-	-	-	-	0.11	-	-
8/24/2018	-	-	-	-	-	-	0.12	-	-
6/18/2018	0.002	-	-	5.2	-	-	-	-	-
5/15/2018	-	-	-	-	-	-	0.13	-	-
2/9/2018	-	-	-	-	-	-	0.13	-	-
8/8/2017	-	-	-	5.3	-	-	-	-	-
8/19/2016	-	-	-	4.9	-	-	-	-	-
7/8/2016	-	-	-	-	ND	ND	-	-	-
6/8/2015	ND	-	-	-	-	-	-	-	-
Minimum Threshold	**0.01**	**0.0002**	**0.013**	**10**	**0.005**	**0.005**	**0.156**	**20**	**20**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

CKGSA Well 1000198-002

Sample Date	Arsenic (mg/L)	DBCP (mg/L)	Methyl Tert-Butyl Ether (MTBE) (mg/L)	Nitrate as N (mg/L)	Tetrachloroethylene (PCE) (mg/L)	Trichloroethylene (TCE) (mg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Uranium (pCi/L)	Hexavalent Chromium (µg/L)
2022 Groundwater Quality Data									
1/31/2022	-	-	-	1.2	-	-	-	-	-
2015-2021 Groundwater Quality Data									
10/22/2021	-	-	-	-	-	-	ND	-	-
1/14/2021	0.0015	-	-	1.1	-	-	-	-	-
5/7/2020	-	-	-	1.1	-	-	-	-	-
5/9/2019	-	-	-	1.1	-	-	-	-	-
10/15/2018	-	-	-	-	-	-	ND	-	-
9/13/2018	0.0017	-	-	-	-	-	-	-	-
7/19/2018	-	-	-	-	-	-	ND	-	-
4/12/2018	-	-	-	1.4	-	-	ND	-	-
2/15/2018	-	-	-	-	-	-	ND	-	-
12/7/2017	-	-	-	1.2	-	-	-	-	-
2/16/2017	-	-	-	-	ND	ND	-	-	-
12/15/2016	-	-	-	1.6	-	-	-	-	-
2/4/2016	-	-	-	-	ND	ND	-	-	-
9/16/2015	0.0014	-	-	-	-	-	-	-	-
Minimum Threshold	**0.01**	**0.0002**	**0.013**	**10**	**0.005**	**0.005**	**0.005**	**20**	**20**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

CKGSA Well 1000199-001

Sample Date	Arsenic (mg/L)	DBCP (mg/L)	Methyl Tert-Butyl Ether (MTBE) (mg/L)	Nitrate as N (mg/L)	Tetrachloroethylene (PCE) (mg/L)	Trichloroethylene (TCE) (mg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Uranium (pCi/L)	Hexavalent Chromium (µg/L)
2022 Groundwater Quality Data									
12/8/2022	-	-	-	-	-	-	0.014	-	-
11/9/2022	-	-	-	-	-	-	0.018	-	-
10/24/2022	-	-	-	-	-	-	0.016	-	-
8/3/2022	-	-	-	-	-	-	0.0066	-	-
7/13/2022	-	-	-	-	-	-	0.0086	-	-
6/2/2022	-	-	-	-	-	-	0.0068	-	-
5/2/2022	-	-	-	-	-	-	0.0083	-	-
4/4/2022	-	-	-	-	-	-	ND	-	-
3/3/2022	-	-	-	7.5	-	-	0.0091	-	-
2/18/2022	-	-	-	-	-	-	ND	-	-
2/9/2022	-	-	-	7	-	-	-	-	-
1/13/2022	-	-	-	-	-	-	0.01	-	-
2015-2021 Groundwater Quality Data									
12/1/2021	-	-	-	-	-	-	ND	-	-
11/4/2021	-	-	-	-	-	-	ND	-	-
10/13/2021	-	-	-	-	-	-	ND	-	-
9/8/2021	-	-	-	-	-	-	ND	-	-
8/4/2021	-	-	-	-	-	-	ND	-	-
7/8/2021	-	-	-	-	-	-	ND	15	-
6/7/2021	-	-	-	-	-	-	0.017	-	-
5/6/2021	-	-	-	-	-	-	0.011	-	-
4/7/2021	-	-	-	-	-	-	ND	-	-
3/3/2021	-	-	-	6.9	-	-	ND	-	-
2/3/2021	-	-	-	-	-	-	ND	-	-
1/7/2021	-	-	-	-	-	-	ND	-	-
12/2/2020	-	-	-	-	-	-	ND	-	-
11/4/2020	-	-	-	-	-	-	ND	-	-
10/6/2020	-	-	-	-	-	-	0.01	-	-
9/2/2020	-	-	-	-	ND	ND	ND	-	-
8/4/2020	-	-	-	-	-	-	0.014	-	-
7/1/2020	-	-	-	-	-	-	ND	-	-
6/4/2020	-	-	-	-	-	-	0.01	-	-
5/4/2020	-	-	-	-	-	-	ND	-	-
4/8/2020	-	-	-	-	-	-	0.0078	-	-
3/5/2020	ND	-	-	6.4	-	-	0.01	-	-
2/3/2020	-	-	-	-	-	-	0.0088	-	-
1/8/2020	-	-	-	-	-	-	0.0084	-	-
12/5/2019	-	-	-	-	-	-	0.011	-	-
11/7/2019	-	-	-	-	-	-	0.016	-	-
10/10/2019	-	-	-	-	-	-	0.011	-	-
9/3/2019	-	-	-	-	-	-	ND	-	-
8/1/2019	-	-	-	-	-	-	ND	-	-
7/8/2019	-	-	-	-	-	-	ND	-	-
6/4/2019	-	-	-	-	-	-	0.01	-	-
5/8/2019	-	-	-	-	-	-	0.01	-	-
4/16/2019	-	-	-	-	-	-	0.0096	-	-
3/6/2019	-	-	-	6	-	-	0.0094	-	-
2/4/2019	-	-	-	-	-	-	0.0098	-	-
1/7/2019	-	-	-	-	-	-	0.0078	-	-
12/5/2018	-	-	-	-	-	-	0.0067	-	-
11/5/2018	-	-	-	-	-	-	0.0094	-	-
10/3/2018	-	-	-	-	-	-	0.0062	13	-
9/6/2018	-	-	-	-	-	-	0.0061	-	-
8/6/2018	-	-	-	-	-	-	0.011	-	-
7/9/2018	-	-	-	-	-	-	-	9.5	-
6/20/2018	-	-	-	-	-	-	0.014	-	-
4/2/2018	-	-	-	-	-	-	0.01	14	-
3/7/2018	-	-	-	6.4	-	-	0.021	-	-
2/27/2018	-	-	-	-	-	-	0.014	-	-

CKGSA Well 1000199-001

Sample Date	Arsenic (mg/L)	DBCP (mg/L)	Methyl Tert-Butyl Ether (MTBE) (mg/L)	Nitrate as N (mg/L)	Tetrachloroethylene (PCE) (mg/L)	Trichloroethylene (TCE) (mg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Uranium (pCi/L)	Hexavalent Chromium (µg/L)
2/12/2018	-	-	-	-	-	-	0.016	-	-
1/16/2018	-	-	-	-	-	-	-	14	-
10/9/2017	-	-	-	-	-	-	-	16	-
7/5/2017	-	-	-	-	-	-	-	16	-
5/3/2017	-	-	-	-	-	-	-	18	-
3/6/2017	ND	-	-	7.2	-	-	-	-	-
10/3/2016	-	-	-	-	-	-	-	16	-
3/1/2016	-	-	-	7	-	-	-	-	-
Minimum Threshold	**0.01**	**0.0002**	**0.013**	**10**	**0.005**	**0.005**	**0.0252**	**20**	**20**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

CKGSA Well 1000200-003

Sample Date	Arsenic (mg/L)	DBCP (mg/L)	Methyl Tert-Butyl Ether (MTBE) (mg/L)	Nitrate as N (mg/L)	Tetrachloroethylene (PCE) (mg/L)	Trichloroethylene (TCE) (mg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Uranium (pCi/L)	Hexavalent Chromium (µg/L)
2022 Groundwater Quality Data									
4/7/2022	0.0055	-	-	0.78	-	-	-	-	-
2015-2021 Groundwater Quality Data									
10/4/2021	-	-	-	-	-	-	ND	-	-
4/23/2021	-	-	-	0.78	-	-	-	-	-
4/6/2020	-	-	-	0.55	-	-	-	-	-
4/1/2019	0.0051	-	-	0.65	ND	ND	-	-	-
1/7/2019	-	-	-	0.57	-	-	-	-	-
10/1/2018	-	-	-	-	-	-	ND	-	-
7/2/2018	-	-	-	-	-	-	ND	-	-
4/2/2018	-	-	-	-	-	-	ND	-	-
1/31/2018	-	-	-	-	-	-	ND	-	-
1/2/2018	-	-	-	0.57	-	-	-	-	-
1/3/2017	-	-	-	0.58	-	-	-	-	-
4/7/2016	0.0057	-	-	0.53	-	-	-	-	-
Minimum Threshold	**0.01**	**0.0002**	**0.013**	**10**	**0.005**	**0.005**	**0.005**	**20**	**20**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

CKGSA Well 1000204-001

Sample Date	Arsenic (mg/L)	DBCP (mg/L)	Methyl Tert-Butyl Ether (MTBE) (mg/L)	Nitrate as N (mg/L)	Tetrachloroethylene (PCE) (mg/L)	Trichloroethylene (TCE) (mg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Uranium (pCi/L)	Hexavalent Chromium (µg/L)
2022 Groundwater Quality Data									
11/2/2022	-	-	-	6.7	-	-	-	-	-
10/17/2022	-	-	-	10.3	-	-	0.081	-	-
1/27/2022	0.0039	-	-	10	ND	ND	0.052	31	-
2015-2021 Groundwater Quality Data									
11/5/2021	-	-	-	-	ND	ND	-	-	-
10/29/2021	0.0049	-	-	10	-	-	0.075	34	-
7/21/2021	-	-	-	9.7	ND	ND	0.072	36	-
4/16/2021	-	-	-	10	-	-	0.062	32.16	-
1/15/2021	-	-	-	8.6	-	-	0.075	38.19	-
12/22/2020	-	-	-	9.4	-	-	-	-	-
11/13/2020	-	-	-	-	-	-	0.083	35.51	-
9/10/2020	-	-	-	5.9	-	-	-	-	-
8/31/2020	-	-	-	-	-	-	0.057	29.48	-
8/24/2020	-	-	-	-	-	-	0.058	32.83	-
8/17/2020	-	-	-	-	-	-	0.06	22.78	-
8/10/2020	-	-	-	-	-	-	0.059	25.46	-
8/3/2020	-	-	-	-	-	-	0.058	27.47	-
7/16/2020	-	-	-	-	-	-	0.057	24.79	-
6/8/2020	-	-	-	7.7	-	-	-	-	-
4/6/2020	-	-	-	-	-	-	0.073	23.45	-
3/27/2020	-	-	-	9.3	-	-	-	-	-
3/9/2020	-	-	-	-	-	-	0.07	-	-
2/10/2020	-	-	-	-	-	-	0.073	-	-
1/10/2020	-	-	-	-	-	-	0.076	38.19	-
12/9/2019	-	-	-	9.3	-	-	-	-	-
10/11/2019	-	-	-	-	-	-	0.047	16.75	-
5/13/2019	-	-	-	-	-	-	0.061	-	-
4/12/2019	-	-	-	5.7	-	-	-	12.73	-
2/15/2019	-	-	-	-	-	-	0.07	-	-
1/14/2019	-	-	-	4.6	-	-	-	9.38	-
10/22/2018	-	-	-	5.6	-	-	0.051	14.07	-
9/14/2018	0.0048	-	-	-	-	-	-	-	-
7/23/2018	-	-	-	7.8	-	-	0.042	29.48	-
4/13/2018	-	-	-	9.2	-	-	0.034	36.85	-
2/2/2018	-	-	-	-	-	-	0.056	-	-
1/22/2018	-	-	-	-	-	-	-	33.5	-
1/19/2018	-	-	-	9.2	-	-	-	-	-
10/6/2017	-	-	-	8.3	-	-	-	34.17	-
7/27/2017	-	-	-	-	-	-	-	28.81	-
7/24/2017	-	-	-	9.6	-	-	-	-	-
4/7/2017	-	-	-	4.8	-	-	-	-	-
3/17/2017	-	-	-	-	-	-	-	13.4	-
1/20/2017	-	-	-	4.4	-	-	-	-	-
10/7/2016	-	-	-	7.3	-	-	-	-	-
4/11/2016	-	-	-	4	-	-	-	10.05	-
1/8/2016	-	-	-	7.5	-	-	-	38.86	-
12/21/2015	-	-	-	5.1	-	-	-	-	-
10/5/2015	-	-	-	-	-	-	-	25.46	-
9/1/2015	-	-	-	-	-	-	-	36.18	-
7/10/2015	0.0032	-	-	-	ND	ND	-	-	-
2/24/2015	0.0036	-	-	-	-	-	-	-	-
Minimum Threshold	**0.01**	**0.0002**	**0.013**	**12**	**0.005**	**0.005**	**0.0996**	**46.632**	**20**

Notes:

Minimum Threshold values established by method presented in GSP.

\- = Constituent not analyzed

Above Minimum Threshold

CKGSA Well 1000315-003

Sample Date	Arsenic (mg/L)	DBCP (mg/L)	Methyl Tert-Butyl Ether (MTBE) (mg/L)	Nitrate as N (mg/L)	Tetrachloroethylene (PCE) (mg/L)	Trichloroethylene (TCE) (mg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Uranium (pCi/L)	Hexavalent Chromium (µg/L)
2022 Groundwater Quality Data									
1/4/2022	-	-	-	2.3	-	-	-	-	-
2015-2021 Groundwater Quality Data									
1/14/2021	-	-	-	2.3	-	-	ND	-	-
1/23/2020	0.0032	-	-	2.2	-	-	-	-	-
1/11/2019	-	-	-	2	-	-	-	-	-
10/15/2018	-	-	-	-	-	-	ND	-	-
7/9/2018	-	-	-	-	-	-	ND	-	-
6/25/2018	-	-	-	-	-	-	ND	-	-
3/2/2018	-	-	-	2.2	ND	ND	ND	-	-
1/16/2017	0.0026	-	-	2.3	-	-	-	-	-
7/8/2016	-	-	-	-	-	-	ND	-	-
4/4/2016	-	-	-	2.3	-	-	-	-	-
Minimum Threshold	**0.01**	**0.0002**	**0.013**	**10**	**0.005**	**0.005**	**0.005**	**20**	**20**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

CKGSA Well 1000526-001

Sample Date	Arsenic (mg/L)	DBCP (mg/L)	Methyl Tert-Butyl Ether (MTBE) (mg/L)	Nitrate as N (mg/L)	Tetrachloroethylene (PCE) (mg/L)	Trichloroethylene (TCE) (mg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Uranium (pCi/L)	Hexavalent Chromium (µg/L)
2022 Groundwater Quality Data									
10/19/2022	-	-	-	-	-	-	ND	-	-
4/20/2022	-	-	-	4.8	-	-	-	-	-
2015-2021 Groundwater Quality Data									
10/20/2021	-	-	-	-	-	-	ND	-	-
4/21/2021	0.0022	-	-	3.1	-	-	-	-	-
10/21/2020	-	-	-	-	-	-	ND	-	-
4/15/2020	-	-	-	2.6	-	-	-	-	-
10/16/2019	-	-	-	-	-	-	ND	-	-
4/24/2019	-	-	-	2.9	-	-	-	-	-
10/24/2018	-	-	-	-	-	-	ND	-	-
7/25/2018	-	-	-	-	-	-	0.005	-	-
4/5/2018	0.0029	-	-	3	ND	ND	ND	-	-
1/31/2018	-	-	-	-	-	-	ND	-	-
1/17/2018	-	-	-	2.8	-	-	-	-	-
1/3/2017	-	-	-	3	-	-	-	-	-
10/6/2016	-	-	-	3	-	-	-	-	-
10/29/2015	-	-	-	3	-	-	-	-	-
5/27/2015	ND	-	-	-	-	-	-	-	-
Minimum Threshold	**0.01**	**0.0002**	**0.013**	**10**	**0.005**	**0.005**	**0.006**	**20**	**20**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

CKGSA Well 1000534-001

Sample Date	Arsenic (mg/L)	DBCP (mg/L)	Methyl Tert-Butyl Ether (MTBE) (mg/L)	Nitrate as N (mg/L)	Tetrachloroethylene (PCE) (mg/L)	Trichloroethylene (TCE) (mg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Uranium (pCi/L)	Hexavalent Chromium (µg/L)
2022 Groundwater Quality Data									
11/10/2022	-	-	-	4.2	-	-	-	-	-
8/8/2022	-	-	-	5.2	-	-	-	-	-
5/10/2022	-	-	-	5.5	-	-	-	-	-
2/2/2022	-	-	-	4	-	-	-	-	-
2015-2021 Groundwater Quality Data									
12/8/2021	-	-	-	5	-	-	-	-	-
8/26/2021	-	-	-	-	-	-	ND	-	-
4/14/2021	ND	-	-	5	0.0039	ND	-	-	-
4/20/2020	-	-	-	4.9	-	-	-	-	-
4/15/2019	-	-	-	6.4	-	-	-	-	-
11/5/2018	-	-	-	-	-	-	ND	-	-
8/6/2018	-	-	-	-	-	-	ND	-	-
5/7/2018	-	-	-	-	-	-	ND	-	-
4/2/2018	ND	-	-	5	-	-	-	-	-
2/12/2018	-	-	-	-	-	-	ND	-	-
4/3/2017	-	-	-	6	-	-	-	-	-
4/20/2016	-	-	-	5.6	-	-	-	-	-
4/8/2015	ND	-	-	-	ND	ND	ND	-	-
Minimum Threshold	**0.01**	**0.0002**	**0.013**	**10**	**0.005**	**0.005**	**0.005**	**20**	**20**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

CKGSA Well 1000575-003

Sample Date	Arsenic (mg/L)	DBCP (mg/L)	Methyl Tert-Butyl Ether (MTBE) (mg/L)	Nitrate as N (mg/L)	Tetrachloroethylene (PCE) (mg/L)	Trichloroethylene (TCE) (mg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Uranium (pCi/L)	Hexavalent Chromium (µg/L)
2022 Groundwater Quality Data									
8/10/2022	0.0022	-	-	1.6	-	-	-	-	-
2015-2021 Groundwater Quality Data									
8/10/2021	-	-	-	1.8	-	-	ND	-	-
8/20/2020	-	-	-	1.9	-	-	-	-	-
4/21/2020	-	-	-	-	ND	ND	-	-	-
8/6/2019	0.0027	-	-	2.1	-	-	-	-	-
11/6/2018	-	-	-	-	-	-	ND	-	-
10/4/2018	-	-	-	2.1	-	-	-	-	-
8/13/2018	-	-	-	-	-	-	ND	-	-
5/23/2018	-	-	-	-	-	-	ND	-	-
2/22/2018	-	-	-	-	-	-	ND	-	-
2/21/2018	-	-	-	-	-	-	ND	-	-
10/3/2017	-	-	-	2.6	-	-	-	-	-
11/7/2016	-	-	-	2.3	-	-	-	-	-
10/12/2016	0.0026	-	-	-	-	-	-	-	-
10/12/2015	-	-	-	2.4	-	-	-	-	-
Minimum Threshold	**0.01**	**0.0002**	**0.013**	**10**	**0.005**	**0.005**	**0.005**	**20**	**20**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

CKGSA Well 1000576-002

Sample Date	Arsenic (mg/L)	DBCP (mg/L)	Methyl Tert-Butyl Ether (MTBE) (mg/L)	Nitrate as N (mg/L)	Tetrachloroethylene (PCE) (mg/L)	Trichloroethylene (TCE) (mg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Uranium (pCi/L)	Hexavalent Chromium (µg/L)
2022 Groundwater Quality Data									
1/21/2022	0.0021	-	-	2.1	-	-	-	-	-
2015-2021 Groundwater Quality Data									
1/19/2021	-	-	-	2.4	-	-	ND	-	-
1/27/2020	-	-	-	2.1	-	-	-	-	-
4/29/2019	0.0027	-	-	2.2	-	-	-	-	-
3/25/2019	0.0021	-	-	2.3	-	-	-	-	-
10/15/2018	-	-	-	-	-	-	ND	-	-
7/16/2018	-	-	-	-	-	-	ND	-	-
5/22/2018	-	-	-	-	-	-	ND	-	-
3/22/2018	-	-	-	-	-	-	ND	-	-
1/23/2018	-	-	-	2.2	ND	ND	-	-	-
4/20/2017	-	-	-	-	ND	ND	-	-	-
1/20/2017	-	-	-	2.3	-	-	-	-	-
7/8/2016	-	-	-	-	-	-	ND	-	-
4/11/2016	ND	-	-	2.2	ND	ND	-	ND	-
1/14/2016	-	-	-	-	-	-	-	-	2.7
Minimum Threshold	**0.01**	**0.0002**	**0.013**	**10**	**0.005**	**0.005**	**0.005**	**20**	**20**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

CKGSA Well 1010024-010

Sample Date	Arsenic (mg/L)	DBCP (mg/L)	Methyl Tert-Butyl Ether (MTBE) (mg/L)	Nitrate as N (mg/L)	Tetrachloroethylene (PCE) (mg/L)	Trichloroethylene (TCE) (mg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Uranium (pCi/L)	Hexavalent Chromium (µg/L)
2022 Groundwater Quality Data									
4/5/2022	ND	-	-	3	ND	ND	-	-	-
3/8/2022	-	-	-	-	-	-	0.004	-	-
2015-2021 Groundwater Quality Data									
10/12/2021	-	-	-	-	-	-	-	4.2	-
9/14/2021	-	-	-	-	-	-	0.0041	-	-
6/23/2021	-	-	-	-	-	-	ND	-	-
5/4/2021	-	-	-	2.5	-	-	-	-	-
3/16/2021	ND	-	-	-	-	-	ND	5.7	-
2/2/2021	ND	-	-	-	-	-	-	5.1	-
12/8/2020	-	-	-	-	-	-	ND	-	-
9/15/2020	-	-	-	-	-	-	0.005	-	-
6/9/2020	-	-	-	-	-	-	ND	-	-
5/12/2020	-	-	-	3.171	-	-	-	-	-
3/3/2020	-	-	-	-	-	-	ND	-	-
12/3/2019	-	-	-	-	-	-	0.005	-	-
10/17/2019	-	-	-	-	ND	ND	-	-	-
9/3/2019	-	-	-	-	-	-	0.01	-	-
8/20/2019	ND	-	-	2.3	-	-	-	-	-
6/4/2019	-	-	-	-	-	-	0.01	-	-
5/14/2019	-	-	-	3.069	-	-	-	-	-
3/19/2019	-	-	-	-	-	-	0.008	-	-
12/4/2018	-	-	-	-	-	-	0.01	-	-
9/4/2018	-	-	-	-	-	-	0.02	-	-
8/7/2018	-	-	-	-	-	-	0.01	-	-
6/19/2018	-	-	-	-	-	-	0.01	-	-
6/13/2018	-	-	-	-	-	-	0.011	-	-
6/5/2018	-	-	-	-	-	-	0.012	-	-
5/29/2018	-	-	-	-	-	-	0.01	-	-
5/23/2018	-	-	-	3.402	-	-	-	-	-
4/4/2018	-	-	-	-	-	-	0.01	-	-
12/13/2017	-	-	-	-	-	-	ND	-	-
12/5/2017	-	-	-	-	-	-	ND	-	-
10/17/2017	-	-	-	-	-	-	0.01	-	-
8/15/2017	-	-	-	2.988	-	-	-	-	-
7/18/2017	-	-	-	-	-	-	0.01	-	-
4/25/2017	-	-	-	-	-	-	0.01	-	-
1/9/2017	-	-	-	-	-	-	0.01	-	-
11/9/2016	-	-	-	-	ND	ND	0.0099	-	-
8/16/2016	ND	-	-	2.8	-	-	-	-	-
7/12/2016	-	-	-	-	-	-	0.01	-	-
4/5/2016	-	-	-	-	-	-	0.02	-	-
1/6/2016	-	-	-	-	-	-	0.01	-	-
10/7/2015	ND	-	-	-	-	-	0.01	6.216	-
7/14/2015	-	-	-	-	-	-	0.02	-	-
4/21/2015	-	-	-	-	-	-	0.01	-	-
1/13/2015	-	-	-	-	-	-	0.01	-	-
Minimum Threshold	**0.01**	**0.0002**	**0.013**	**10**	**0.005**	**0.005**	**0.024**	**20**	**20**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

CKGSA Well 1010024-018

Sample Date	Arsenic (mg/L)	DBCP (mg/L)	Methyl Tert-Butyl Ether (MTBE) (mg/L)	Nitrate as N (mg/L)	Tetrachloroethylene (PCE) (mg/L)	Trichloroethylene (TCE) (mg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Uranium (pCi/L)	Hexavalent Chromium (µg/L)
2022 Groundwater Quality Data									
11/9/2022	-	-	-	-	-	-	0.004	-	-
10/4/2022	-	-	-	-	-	-	0.003	-	-
9/13/2022	-	-	-	-	-	-	0.003	-	-
8/9/2022	-	-	-	-	-	-	0.003	-	-
7/19/2022	-	-	-	-	-	-	0.004	-	-
6/14/2022	-	-	-	-	-	-	0.003	-	-
5/17/2022	-	-	-	3.3	-	-	-	-	-
5/9/2022	-	-	-	-	ND	ND	-	-	-
5/3/2022	-	-	-	-	-	-	0.003	-	-
4/18/2022	-	-	-	-	ND	ND	-	-	-
4/12/2022	0.0014	-	-	-	-	-	-	1.6	-
2/8/2022	-	-	-	-	-	-	0.004	-	-
2/2/2022	-	-	-	-	-	-	0.004	-	-
2015-2021 Groundwater Quality Data									
5/4/2021	-	-	-	2.5	-	-	-	-	-
5/12/2020	-	-	-	2.952	-	-	-	-	-
4/28/2020	ND	-	-	2.4	-	-	-	-	-
10/8/2019	-	-	-	-	ND	ND	-	-	-
5/14/2019	-	-	-	3.224	-	-	-	-	-
4/23/2019	-	-	-	-	ND	ND	-	-	-
2/19/2019	-	-	-	-	-	-	ND	-	-
11/13/2018	-	-	-	-	-	-	ND	-	-
8/21/2018	-	-	-	-	-	-	ND	-	-
5/22/2018	-	-	-	2.92	-	-	-	-	-
5/15/2018	-	-	-	-	-	-	ND	-	-
2/13/2018	-	-	-	-	-	-	ND	-	-
12/12/2017	-	-	-	-	-	-	ND	-	-
8/8/2017	-	-	-	-	-	-	ND	-	-
5/2/2017	-	-	-	-	-	-	ND	-	-
4/19/2017	ND	-	-	2.6	-	-	-	-	-
2/14/2017	-	-	-	-	-	-	ND	-	-
11/8/2016	-	-	-	-	-	-	ND	-	-
8/2/2016	-	-	-	-	-	-	ND	-	-
5/3/2016	-	-	-	2.8	-	-	ND	-	-
4/19/2016	-	-	-	-	ND	ND	-	-	-
2/23/2016	-	-	-	-	-	-	ND	-	-
11/9/2015	-	-	-	-	-	-	ND	-	-
8/5/2015	-	-	-	-	-	-	ND	-	-
5/19/2015	-	-	-	-	-	-	ND	-	-
2/19/2015	-	-	-	-	-	-	ND	-	-
Minimum Threshold	**0.01**	**0.0002**	**0.013**	**10**	**0.005**	**0.005**	**0.005**	**20**	**20**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

CKGSA Well 1010039-005

Sample Date	Arsenic (mg/L)	DBCP (mg/L)	Methyl Tert-Butyl Ether (MTBE) (mg/L)	Nitrate as N (mg/L)	Tetrachloroethylene (PCE) (mg/L)	Trichloroethylene (TCE) (mg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Uranium (pCi/L)	Hexavalent Chromium (µg/L)
2022 Groundwater Quality Data									
10/3/2022	0.01	-	-	-	-	-	0.018	-	-
7/5/2022	0.0088	-	-	2.8	-	-	0.025	-	-
4/11/2022	0.013	-	-	-	-	-	0.0081	-	-
1/10/2022	0.013	-	-	-	-	-	ND	-	-
2015-2021 Groundwater Quality Data									
10/4/2021	0.014	-	-	-	-	-	0.0059	-	-
7/6/2021	0.012	-	-	1.6	-	-	0.015	-	-
4/6/2021	0.013	-	-	-	-	-	ND	-	-
1/18/2021	0.014	-	-	-	-	-	ND	-	-
10/12/2020	0.014	-	-	-	-	-	0.005	-	-
7/27/2020	0.014	-	-	0.6	ND	ND	0.006	-	-
4/6/2020	0.014	-	-	-	-	-	ND	-	-
1/27/2020	0.014	-	-	-	-	-	ND	-	-
10/7/2019	0.012	-	-	-	-	-	ND	-	-
7/8/2019	0.012	-	-	ND	-	-	ND	-	-
4/8/2019	0.012	-	-	-	-	-	ND	-	-
1/23/2019	0.014	-	-	-	-	-	ND	-	-
10/22/2018	-	-	-	-	-	-	0.01	-	-
10/8/2018	0.012	-	-	-	-	-	-	-	-
7/16/2018	0.014	-	-	0.83	-	-	0.017	-	-
4/10/2018	-	-	-	-	-	-	ND	-	-
4/3/2018	0.013	-	-	-	-	-	-	-	-
1/15/2018	0.014	-	-	-	-	-	ND	-	-
10/18/2017	0.014	-	-	-	-	-	0.017	-	-
7/27/2017	0.012	-	-	0.91	-	-	-	-	-
7/19/2017	0.012	-	-	-	-	-	0.011	-	-
4/21/2017	0.014	-	-	-	-	-	ND	-	-
1/24/2017	-	-	-	-	-	-	ND	-	-
1/9/2017	0.013	-	-	-	-	-	-	-	-
11/7/2016	-	-	-	-	-	-	ND	-	-
10/10/2016	0.01	-	-	-	-	-	-	-	-
7/27/2016	-	-	-	-	-	-	0.05	-	-
7/11/2016	0.0089	-	-	2.6	-	-	-	-	-
4/25/2016	0.01	-	-	-	-	-	-	-	-
4/21/2016	-	-	-	ND	-	-	-	-	-
1/20/2016	0.013	-	-	-	-	-	-	-	-
10/21/2015	0.011	-	-	-	-	-	-	-	-
9/18/2015	-	-	-	2.8	-	-	-	-	-
7/6/2015	0.011	-	-	-	-	-	-	-	-
4/8/2015	0.011	-	-	-	-	-	-	-	-
1/13/2015	0.011	-	-	-	-	-	-	-	-
Minimum Threshold	**0.0168**	**0.0002**	**0.013**	**10**	**0.005**	**0.005**	**0.06**	**20**	**20**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

James GSA

James GSA Well 1010034-003

Sample Date	Arsenic (µg/L)	Chromium - Total (µg/L)	Fluoride (µg/L)	Gross Alpha (pCi/L)	Lead (µg/L)	Nitrate as N (mg/L)	1,2,3-Trichloropropane (µg/L)	Uranium (pCi/L)	Manganese (µg/L)	Boron (µg/L)
2022 Groundwater Quality Data										
8/17/2022	3.9	-	280	-	ND	ND	-	-	390	-
7/6/2022	-	-	-	-	-	-	-	-	390	-
4/7/2022	-	-	-	-	-	-	-	-	380	-
2015-2021 Groundwater Quality Data										
12/21/2021	-	-	-	13.2	-	-	ND	-	-	-
10/6/2021	-	-	-	-	-	-	-	-	370	-
9/1/2021	-	-	-	-	-	ND	-	-	-	-
7/7/2021	-	-	-	-	-	-	-	-	400	-
4/7/2021	-	-	-	-	-	-	-	-	81	-
1/6/2021	-	-	-	-	-	-	-	-	380	-
10/7/2020	-	-	-	-	-	-	-	-	350	-
9/9/2020	-	-	-	-	-	ND	-	-	-	-
7/1/2020	-	-	-	-	-	-	-	-	320	-
4/1/2020	-	-	-	-	-	-	-	-	410	-
1/15/2020	-	-	-	-	-	-	-	-	350	-
10/23/2019	-	-	-	-	-	-	-	-	350	-
9/18/2019	3.3	-	340	-	ND	ND	-	-	350	-
7/31/2019	-	-	-	-	-	-	-	-	380	-
5/8/2019	-	-	-	-	-	-	-	-	330	-
2/13/2019	-	-	-	-	-	-	-	-	200	-
12/5/2018	-	-	-	-	-	-	ND	-	-	-
10/3/2018	-	-	-	-	-	-	-	-	310	-
9/12/2018	-	-	-	-	-	-	ND	-	-	-
9/5/2018	-	-	-	-	-	ND	-	-	-	-
7/11/2018	-	-	-	-	-	-	-	-	350	-
6/13/2018	-	-	-	-	-	-	ND	-	-	-
4/11/2018	-	-	-	-	-	-	-	-	320	-
3/21/2018	-	-	-	-	-	-	ND	-	-	-
1/3/2018	-	-	-	-	-	-	-	-	350	-
10/4/2017	-	-	-	-	-	-	-	-	310	-
8/30/2017	-	-	-	-	-	ND	-	-	-	-
7/5/2017	-	-	-	-	-	-	-	-	300	-
5/3/2017	-	-	-	-	-	-	-	-	330	-
4/26/2017	-	-	-	-	-	-	-	-	300	-
4/19/2017	-	-	-	-	-	-	ND	-	370	-
4/12/2017	-	-	-	-	-	-	-	-	340	-
4/5/2017	-	-	-	-	-	-	-	-	380	-
3/29/2017	-	-	-	-	-	-	-	-	320	-
3/22/2017	-	-	-	-	-	-	-	-	260	-
3/15/2017	-	-	-	-	-	-	-	-	420	-
3/8/2017	-	-	-	-	-	-	-	-	360	-
3/1/2017	-	-	-	-	-	-	-	-	360	-
2/22/2017	-	-	-	-	-	-	-	-	210	-
2/15/2017	-	-	-	-	-	-	-	-	220	-
2/8/2017	-	-	-	-	-	-	-	-	320	-
2/1/2017	-	-	-	-	-	-	-	-	400	-
1/25/2017	-	-	-	-	-	-	-	-	330	-
1/18/2017	-	-	-	-	-	-	-	-	380	-
1/11/2017	-	-	-	-	-	-	-	-	220	-
1/4/2017	-	-	-	-	-	-	-	-	350	-
12/28/2016	-	-	-	-	-	-	-	-	410	-
12/21/2016	-	-	-	-	-	-	-	-	210	-
12/14/2016	-	-	-	-	-	-	-	-	360	-
12/7/2016	-	-	-	-	-	-	-	-	260	-
11/30/2016	-	-	-	-	-	-	-	-	240	-
11/22/2016	-	-	-	-	-	-	-	-	210	-
11/16/2016	-	-	-	-	-	-	-	-	250	-
11/9/2016	-	-	-	-	-	-	-	-	320	-
11/2/2016	-	-	-	-	-	-	-	-	400	-
10/26/2016	-	-	-	-	-	-	-	-	280	-
10/19/2016	3.1	-	480	-	ND	ND	-	-	330	-
10/12/2016	-	-	-	-	-	-	-	-	310	-
10/5/2016	-	-	-	-	-	-	-	-	300	-
9/28/2016	-	-	-	-	-	-	-	-	280	-

James GSA Well 1010034-003

Sample Date	Arsenic (µg/L)	Chromium - Total (µg/L)	Fluoride (µg/L)	Gross Alpha (pCi/L)	Lead (µg/L)	Nitrate as N (mg/L)	1,2,3-Trichloropropane (µg/L)	Uranium (pCi/L)	Manganese (µg/L)	Boron (µg/L)
9/21/2016	-	-	-	-	-	-	-	-	300	-
9/14/2016	-	-	-	-	-	-	-	-	300	-
9/7/2016	-	-	-	-	-	-	-	-	300	-
8/31/2016	-	-	-	-	-	-	-	-	280	-
8/24/2016	-	-	-	-	-	-	-	-	280	-
8/17/2016	-	-	-	-	-	-	-	-	280	-
8/10/2016	-	-	-	-	-	-	-	-	280	-
8/3/2016	-	-	-	-	-	-	-	-	350	-
7/27/2016	-	-	-	-	-	-	-	-	310	-
7/20/2016	-	-	-	-	-	-	-	-	310	-
7/13/2016	-	-	-	-	-	-	-	-	300	-
7/6/2016	-	-	-	-	-	-	-	-	330	-
4/13/2016	-	-	-	-	-	-	-	-	380	-
2/10/2016	-	-	-	-	-	-	-	-	410	-
12/30/2015	-	-	-	-	-	-	-	-	310	-
10/21/2015	-	-	-	5.11	-	ND	-	-	-	-
7/15/2015	-	-	-	-	-	-	-	-	350	-
Minimum Threshold	**10**	**50**	**2000**	**15**	**15**	**10**	**0.005**	**20**	**504**	**1000**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

James GSA Well 1010034-004

Sample Date	Arsenic (µg/L)	Chromium - Total (µg/L)	Fluoride (µg/L)	Gross Alpha (pCi/L)	Lead (µg/L)	Nitrate as N (mg/L)	1,2,3-Trichloropropane (µg/L)	Uranium (pCi/L)	Manganese (µg/L)	Boron (µg/L)
2022 Groundwater Quality Data										
8/17/2022	4.9	-	490	-	ND	ND	-	-	190	-
7/6/2022	-	-	-	-	-	-	-	-	180	-
4/7/2022	-	-	-	-	-	-	-	-	190	-
2015-2021 Groundwater Quality Data										
12/21/2021	-	-	-	-	-	-	ND	-	-	-
10/6/2021	-	-	-	-	-	-	-	-	190	-
9/1/2021	-	-	-	-	-	ND	-	-	-	-
7/7/2021	-	-	-	-	-	-	-	-	200	-
4/7/2021	-	-	-	-	-	-	-	-	170	-
1/6/2021	-	-	-	-	-	-	-	-	210	-
10/7/2020	-	-	-	-	-	-	-	-	180	-
9/9/2020	-	-	-	-	-	ND	-	-	-	-
7/1/2020	-	-	-	-	-	-	-	-	210	-
4/1/2020	-	-	-	-	-	-	-	-	170	-
1/15/2020	-	-	-	-	-	-	-	-	190	-
10/23/2019	-	-	-	-	-	-	-	-	180	-
8/14/2019	7	-	580	-	ND	ND	-	-	180	-
7/31/2019	-	-	-	-	-	-	-	-	180	-
5/8/2019	-	-	-	-	-	-	-	-	190	-
2/13/2019	-	-	-	-	-	-	-	-	180	-
12/5/2018	-	-	-	-	-	-	ND	-	-	-
10/3/2018	-	-	-	-	-	-	-	-	210	-
9/12/2018	-	-	-	-	-	-	ND	-	-	-
9/5/2018	-	-	-	-	-	ND	-	-	-	-
7/11/2018	-	-	-	-	-	-	-	-	190	-
6/13/2018	-	-	-	-	-	-	ND	-	-	-
4/11/2018	-	-	-	-	-	-	-	-	190	-
3/21/2018	-	-	-	-	-	-	ND	-	-	-
1/3/2018	-	-	-	-	-	-	-	-	180	-
10/4/2017	-	-	-	-	-	-	-	-	190	-
8/30/2017	-	-	-	-	-	ND	-	-	-	-
7/5/2017	-	-	-	-	-	-	-	-	250	-
5/3/2017	-	-	-	-	-	-	-	-	160	-
4/26/2017	-	-	-	-	-	-	-	-	220	-
4/19/2017	-	-	-	-	-	-	ND	-	220	-
4/12/2017	-	-	-	-	-	-	-	-	210	-
4/5/2017	-	-	-	-	-	-	-	-	190	-
3/29/2017	-	-	-	-	-	-	-	-	170	-
3/22/2017	-	-	-	-	-	-	-	-	210	-
3/15/2017	-	-	-	-	-	-	-	-	190	-
3/8/2017	-	-	-	-	-	-	-	-	210	-
3/1/2017	-	-	-	-	-	-	-	-	220	-
2/22/2017	-	-	-	-	-	-	-	-	210	-
2/15/2017	-	-	-	-	-	-	-	-	230	-
2/8/2017	-	-	-	-	-	-	-	-	440	-
2/1/2017	-	-	-	ND	-	-	-	-	230	-
1/25/2017	-	-	-	-	-	-	-	-	220	-
1/18/2017	-	-	-	-	-	-	-	-	200	-
1/11/2017	-	-	-	-	-	-	-	-	400	-
1/4/2017	-	-	-	-	-	-	-	-	160	-
12/28/2016	-	-	-	-	-	-	-	-	220	-
12/21/2016	-	-	-	-	-	-	-	-	210	-
12/14/2016	-	-	-	-	-	-	-	-	220	-
12/7/2016	-	-	-	-	-	-	-	-	200	-
11/30/2016	-	-	-	-	-	-	-	-	190	-
11/22/2016	-	-	-	-	-	-	-	-	230	-
11/16/2016	-	-	-	-	-	-	-	-	190	-
11/9/2016	-	-	-	-	-	-	-	-	180	-
11/2/2016	-	-	-	-	-	-	-	-	170	-
10/26/2016	-	-	-	-	-	-	-	-	170	-
10/19/2016	-	-	-	-	-	-	-	-	160	-
10/12/2016	-	-	-	-	-	-	-	-	190	-
9/21/2016	-	-	-	-	-	-	-	-	210	-
8/17/2016	2.7	-	540	4.78	ND	ND	-	3.6	190	-

James GSA Well 1010034-004

Sample Date	Arsenic (µg/L)	Chromium - Total (µg/L)	Fluoride (µg/L)	Gross Alpha (pCi/L)	Lead (µg/L)	Nitrate as N (mg/L)	1,2,3-Trichloropropane (µg/L)	Uranium (pCi/L)	Manganese (µg/L)	Boron (µg/L)
Minimum Threshold	**10**	**50**	**2000**	**15**	**15**	**10**	**0.005**	**20**	**528**	**1000**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

James GSA Well 1010034-005

Sample Date	Arsenic (µg/L)	Chromium - Total (µg/L)	Fluoride (µg/L)	Gross Alpha (pCi/L)	Lead (µg/L)	Nitrate as N (mg/L)	1,2,3-Trichloropropane (µg/L)	Uranium (pCi/L)	Manganese (µg/L)	Boron (µg/L)
2022 Groundwater Quality Data										
8/17/2022	3.3	-	470	-	ND	ND	-	-	730	-
7/6/2022	-	-	-	-	-	-	-	-	350	-
4/7/2022	-	-	-	-	-	-	-	-	390	-
2015-2021 Groundwater Quality Data										
12/21/2021	-	-	-	-	-	-	ND	-	-	-
10/6/2021	-	-	-	-	-	-	-	-	400	-
9/1/2021	-	-	-	-	-	ND	-	-	-	-
7/7/2021	-	-	-	-	-	-	-	-	370	-
4/7/2021	-	-	-	-	-	-	-	-	350	-
1/6/2021	-	-	-	-	-	-	-	-	330	-
10/7/2020	-	-	-	-	-	-	-	-	330	-
9/9/2020	-	-	-	-	-	ND	-	-	-	-
7/1/2020	-	-	-	-	-	-	-	-	460	-
4/1/2020	-	-	-	-	-	-	-	-	350	-
1/15/2020	-	-	-	-	-	-	-	-	350	-
10/23/2019	-	-	-	-	-	-	-	-	350	-
9/18/2019	3.9	-	440	-	ND	ND	-	-	330	-
7/31/2019	-	-	-	-	-	-	-	-	300	-
5/8/2019	-	-	-	-	-	-	-	-	320	-
2/13/2019	-	-	-	-	-	-	-	-	300	-
12/5/2018	-	-	-	-	-	-	ND	-	-	-
10/17/2018	-	-	-	ND	-	-	-	-	-	-
10/3/2018	-	-	-	-	-	-	-	-	390	-
9/12/2018	-	-	-	-	-	-	ND	-	-	-
9/5/2018	-	-	-	-	-	ND	-	-	-	-
7/11/2018	-	-	-	-	-	-	-	-	420	-
6/13/2018	-	-	-	-	-	-	ND	-	-	-
4/11/2018	-	-	-	-	-	-	-	-	330	-
3/21/2018	-	-	-	-	-	-	ND	-	-	-
1/3/2018	-	-	-	-	-	-	-	-	180	-
8/30/2017	-	-	-	-	-	ND	-	-	-	-
7/5/2017	-	-	-	-	-	-	-	-	370	-
5/3/2017	-	-	-	-	-	-	-	-	340	-
4/26/2017	-	-	-	-	-	-	-	-	370	-
4/19/2017	-	-	-	-	-	-	ND	-	340	-
4/12/2017	-	-	-	-	-	-	-	-	390	-
4/5/2017	-	-	-	-	-	-	-	-	370	-
3/29/2017	-	-	-	-	-	-	-	-	370	-
3/22/2017	-	-	-	-	-	-	-	-	310	-
3/15/2017	-	-	-	-	-	-	-	-	410	-
3/8/2017	-	-	-	-	-	-	-	-	370	-
3/1/2017	-	-	-	-	-	-	-	-	370	-
2/22/2017	-	-	-	-	-	-	-	-	370	-
2/15/2017	-	-	-	-	-	-	-	-	410	-
2/8/2017	-	-	-	-	-	-	-	-	350	-
2/1/2017	-	-	-	-	-	-	-	-	410	-
1/25/2017	-	-	-	-	-	-	-	-	380	-
1/18/2017	-	-	-	-	-	-	-	-	420	-
1/11/2017	-	-	-	-	-	-	-	-	420	-
1/4/2017	-	-	-	-	-	-	-	-	440	-
12/28/2016	-	-	-	-	-	-	-	-	450	-
12/21/2016	-	-	-	-	-	-	-	-	440	-
12/14/2016	-	-	-	-	-	-	-	-	400	-
12/7/2016	-	-	-	-	-	-	-	-	440	-
11/30/2016	-	-	-	-	-	-	-	-	470	-
11/22/2016	-	-	-	-	-	-	-	-	450	-
11/16/2016	-	-	-	-	-	-	-	-	120	-
11/9/2016	-	-	-	-	-	-	-	-	460	-
11/2/2016	-	-	-	-	-	-	-	-	450	-
10/26/2016	-	-	-	-	-	-	-	-	390	-
10/19/2016	4.6	-	520	-	ND	ND	-	-	390	-
10/12/2016	-	-	-	-	-	-	-	-	470	-
10/5/2016	-	-	-	-	-	-	-	-	420	-
9/28/2016	-	-	-	-	-	-	-	-	420	-

James GSA Well 1010034-005

Sample Date	Arsenic (µg/L)	Chromium - Total (µg/L)	Fluoride (µg/L)	Gross Alpha (pCi/L)	Lead (µg/L)	Nitrate as N (mg/L)	1,2,3-Trichloropropane (µg/L)	Uranium (pCi/L)	Manganese (µg/L)	Boron (µg/L)
9/21/2016	-	-	-	-	-	-	-	-	460	-
9/14/2016	-	-	-	-	-	-	-	-	440	-
9/7/2016	-	-	-	-	-	-	-	-	420	-
8/31/2016	-	-	-	-	-	-	-	-	430	-
8/24/2016	-	-	-	-	-	-	-	-	450	-
8/17/2016	-	-	-	-	-	-	-	-	470	-
8/10/2016	-	-	-	-	-	-	-	-	430	-
8/3/2016	-	-	-	-	-	-	-	-	420	-
7/27/2016	-	-	-	-	-	-	-	-	530	-
7/20/2016	-	-	-	-	-	-	-	-	460	-
7/13/2016	-	-	-	-	-	-	-	-	470	-
7/6/2016	-	-	-	-	-	-	-	-	420	-
4/13/2016	-	-	-	-	-	-	-	-	380	-
2/10/2016	-	-	-	-	-	-	-	-	490	-
12/30/2015	-	-	-	-	-	-	-	-	380	-
10/21/2015	-	-	-	-	-	ND	-	-	-	-
7/15/2015	-	-	-	-	-	-	-	-	420	-
2/13/2015	-	-	-	-	-	-	-	-	410	-
Minimum Threshold	**10**	**50**	**2000**	**15**	**15**	**10**	**0.005**	**20**	**636**	**1000**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

Kings River East Groundwater Sustainability Agency

KREGSA Well 5403023-002

Sample Date	Nitrate as N (mg/L)	Dibromo-Chloropropane (DBCP) (mg/L)
2022 Groundwater Quality Data		
6/23/2022	4.2	-
2015-2021 Groundwater Quality Data		
12/28/2021	4.1	-
2/1/2021	4.2	-
1/18/2021	4.3	-
2/7/2020	4.1	-
1/14/2019	4.2	-
7/9/2018	4.1	-
1/23/2018	3.9	-
2/13/2017	4	-
2/15/2016	4.2	-
12/18/2015	4.6	-
Minimum Threshold	**10**	**0.0002**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

KREGSA Well 5400553-003

Sample Date	Nitrate as N (mg/L)	Dibromo-Chloropropane (DBCP) (mg/L)
2022 Groundwater Quality Data		
8/2/2022	7.51	-
2015-2021 Groundwater Quality Data		
8/3/2021	6.72	-
5/4/2021	6.09	-
2/2/2021	7.02	-
11/9/2020	5.6	-
8/4/2020	6.55	-
5/5/2020	6.95	-
2/10/2020	7.87	-
11/6/2019	6.92	-
9/3/2019	6.35	-
5/7/2019	4.54	-
2/5/2019	6.06	-
11/6/2018	5.47	-
8/7/2018	6.59	-
5/1/2018	5.52	-
2/6/2018	6.56	-
10/3/2017	5.11	-
7/11/2017	6.3	-
5/2/2017	5.13	-
8/2/2016	5.22	-
5/3/2016	5.99	-
2/2/2016	6.37	-
Minimum Threshold	**10**	**0.0002**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

KREGSA Well 5403212-001

Sample Date	Nitrate as N (mg/L)	Dibromo-Chloropropane (DBCP) (mg/L)
2022 Groundwater Quality Data		
2/10/2022	3.1	-
2015-2021 Groundwater Quality Data		
9/10/2020	2.8	-
3/29/2019	2.5	-
5/10/2017	2.6	-
Minimum Threshold	**10**	**0.0002**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

KREGSA Well 5410008-003

Sample Date	Nitrate as N (mg/L)	Dibromo-Chloropropane (DBCP) (mg/L)
2022 Groundwater Quality Data		
10/14/2022	6.1	-
8/26/2022	5.7	-
4/15/2022	5.5	-
2/17/2022	6.3	-
2015-2021 Groundwater Quality Data		
10/28/2021	6	-
8/20/2021	5.6	-
5/18/2021	5.5	-
2/17/2021	6	-
11/23/2020	5.4	-
8/21/2020	5.8	-
5/20/2020	5.5	-
2/21/2020	6	-
11/20/2019	5	-
8/23/2019	5.5	-
5/24/2019	5.7	-
2/20/2019	5.6	-
11/20/2018	5.8	-
8/24/2018	5.7	-
2/20/2018	6	-
11/21/2017	5.8	-
8/1/2017	5.5	-
4/28/2017	5.2	-
2/2/2017	5.8	-
11/15/2016	5.7	-
8/26/2016	5.9	-
5/19/2016	5.9	-
2/12/2016	5.8	-
11/19/2015	5.7	-
Minimum Threshold	**10**	**0.0002**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

KREGSA Well 5410017-004

Sample Date	Nitrate as N (mg/L)	Dibromo-Chloropropane (DBCP) (mg/L)
2022 Groundwater Quality Data		
1/5/2022	2.9	-
2015-2021 Groundwater Quality Data		
1/20/2021	3.1	-
1/8/2020	3.1	-
1/2/2019	3.1	-
1/3/2018	3.1	-
1/4/2017	3.3	-
4/13/2016	3.1	-
Minimum Threshold	**10**	**0.0002**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

KREGSA Well 1000405-001

Sample Date	Nitrate as N (mg/L)	Dibromo-Chloropropane (DBCP) (mg/L)
2022 Groundwater Quality Data		
1/6/2022	1.6	-
2015-2021 Groundwater Quality Data		
1/7/2021	1.1	-
1/7/2020	1.2	-
1/9/2019	1.2	-
1/15/2018	1.6	-
1/10/2017	2.5	-
2/2/2016	3	-
12/17/2015	1.3	-
Minimum Threshold	**10**	**0.0002**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

KREGSA Well 5402047-017

Sample Date	Nitrate as N (mg/L)	Dibromo-Chloropropane (DBCP) (mg/L)
2022 Groundwater Quality Data		
12/19/2022	9.2	-
11/21/2022	7.6	-
10/31/2022	7.3	-
9/28/2022	8	-
8/23/2022	8.6	-
7/25/2022	7.9	-
6/29/2022	7	-
5/27/2022	7.4	-
4/12/2022	6.9	-
3/17/2022	2	-
2/23/2022	9.3	-
1/25/2022	8.9	-
2015-2021 Groundwater Quality Data		
12/23/2021	8.3	-
11/10/2021	7.1	-
10/27/2021	7.7	-
9/20/2021	8.4	-
8/30/2021	8.5	-
7/21/2021	7.8	-
6/24/2021	7.1	-
5/7/2021	6.6	-
4/21/2021	5.8	-
3/16/2021	6.6	-
2/17/2021	5.8	-
1/19/2021	8.3	-
12/17/2020	7.5	-
11/10/2020	6.8	-
10/19/2020	9.5	-
9/22/2020	6.7	-
8/5/2020	9.7	-
7/15/2020	2.1	-
6/15/2020	7.8	-
5/15/2020	6.8	-
4/15/2020	6.4	-
3/23/2020	4.8	-
1/29/2020	9.1	-
12/19/2019	2.2	-
11/27/2019	6.9	-
10/31/2019	7.2	-
9/26/2019	6.5	-

KREGSA Well 5402047-017

Sample Date	Nitrate as N (mg/L)	Dibromo-Chloropropane (DBCP) (mg/L)
8/19/2019	6.6	-
7/12/2019	2.5	-
6/11/2019	6	-
5/8/2019	4.8	-
4/11/2019	6.9	-
3/11/2019	3.6	-
2/5/2019	2.9	-
1/8/2019	5.5	-
12/5/2018	3.5	-
11/5/2018	8.6	-
10/9/2018	3	-
9/24/2018	2.7	-
9/20/2018	2.2	-
8/9/2018	7.2	-
7/4/2018	2.7	-
6/22/2018	6.6	-
5/11/2018	9.4	-
4/24/2018	5.6	-
3/20/2018	9	-
1/18/2018	5.3	-
12/5/2017	5.9	-
11/6/2017	5.9	-
9/12/2017	1.6	-
8/9/2017	5.4	-
6/12/2017	3	-
5/10/2017	4.3	-
4/4/2017	1.7	-
3/2/2017	4.2	-
2/2/2017	4.2	-
1/5/2017	1.3	-
12/1/2016	3.8	-
11/7/2016	1.6	-
9/1/2016	6.6	-
8/1/2016	6.3	-
7/7/2016	2.9	-
6/2/2016	1.5	-
5/9/2016	3.4	-
2/23/2016	7	-
9/28/2015	5.3	-
Minimum Threshold	**10**	**0.0002**

Notes:

KREGSA Well 5402047-017

Sample Date	Nitrate as N (mg/L)	Dibromo-Chloropropane (DBCP) (mg/L)

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

KREGSA Well 1000021-002

Sample Date	Nitrate as N (mg/L)	Dibromo-Chloropropane (DBCP) (mg/L)
2022 Groundwater Quality Data		
7/18/2022	2.4	-
2015-2021 Groundwater Quality Data		
3/12/2021	1.9	-
1/29/2021	1.6	-
12/17/2020	1.9	-
2/6/2020	1.8	-
7/25/2019	1.9	-
1/16/2019	1.8	-
7/18/2018	1.7	-
2/8/2018	1.7	-
2/13/2017	1.6	-
3/28/2016	1.7	-
Minimum Threshold	**10**	**0.0002**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

KREGSA Well 5410002-017

Sample Date	Nitrate as N (mg/L)	Dibromo-Chloropropane (DBCP) (mg/L)
2022 Groundwater Quality Data		
12/7/2022	4.7	-
9/8/2022	4.7	-
6/14/2022	4.3	-
3/8/2022	4.3	-
2015-2021 Groundwater Quality Data		
12/20/2021	4.1	-
9/8/2021	4.2	-
9/9/2020	4	-
10/9/2019	3.6	-
9/12/2018	2.5	-
9/12/2017	3.3	-
9/20/2016	3.8	-
9/25/2015	3.8	-
Minimum Threshold	**10**	**0.0002**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

KREGSA Well 5400824-003

Sample Date	Nitrate as N (mg/L)	Dibromo-Chloropropane (DBCP) (mg/L)
2022 Groundwater Quality Data		
3/7/2022	6.4	-
2015-2021 Groundwater Quality Data		
3/15/2021	5.7	-
3/6/2020	4.9	-
4/29/2019	4.9	-
3/15/2019	4.7	-
11/30/2017	4.9	-
12/5/2016	4.1	-
7/27/2015	2.3	-
Minimum Threshold	**10**	**0.0002**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

KREGSA Well 5401003-001

Sample Date	Nitrate as N (mg/L)	Dibromo-Chloropropane (DBCP) (mg/L)
2022 Groundwater Quality Data		
10/24/2022	11	-
7/28/2022	9.8	-
6/29/2022	10	-
6/8/2022	7.3	-
1/28/2022	11	-
2015-2021 Groundwater Quality Data		
10/28/2021	10	-
7/29/2021	9.8	-
4/28/2021	11	-
2/25/2021	10	-
10/27/2020	10	-
7/30/2020	10	-
4/24/2020	10	-
2/25/2020	9.2	-
1/22/2020	9.4	-
10/23/2019	9.3	-
7/22/2019	9.5	-
4/19/2019	8.9	-
2/19/2019	9.2	-
9/19/2018	11.5	-
4/26/2018	7.6	-
9/14/2017	8.8	-
Minimum Threshold	**13.8**	**0.0002**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

KREGSA Well 5400550-003

Sample Date	Nitrate as N (mg/L)	Dibromo-Chloropropane (DBCP) (mg/L)
2022 Groundwater Quality Data		
11/7/2022	5.6	-
8/9/2022	6	-
5/16/2022	5.9	-
2/10/2022	7.2	-
2015-2021 Groundwater Quality Data		
11/23/2021	6.7	-
9/30/2021	6.8	-
9/28/2021	6.9	-
8/23/2021	5.4	-
7/14/2021	5.2	-
6/28/2021	3.5	-
8/19/2020	5.6	-
7/13/2020	6	-
4/3/2020	6.5	-
2/7/2020	6.8	-
7/19/2019	5.3	-
5/31/2019	4.3	-
10/3/2018	6.5	-
7/9/2018	5.1	-
4/11/2018	5.8	-
4/4/2018	5.5	-
1/15/2018	5.6	-
10/6/2017	5.1	-
8/9/2017	5.2	-
7/12/2017	4.9	-
1/10/2017	5.9	-
10/3/2016	6.7	-
7/25/2016	5.9	-
4/6/2016	8	-
1/4/2016	6.7	-
12/21/2015	7.3	-
Minimum Threshold	**10**	**0.0002**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

KREGSA Well 1010027-006

Sample Date	Nitrate as N (mg/L)	Dibromo-Chloropropane (DBCP) (mg/L)
2022 Groundwater Quality Data		
9/30/2022	5	-
9/6/2022	4.8	-
2015-2021 Groundwater Quality Data		
9/8/2021	4.6	-
9/3/2020	4.6	-
11/20/2019	4.2	-
12/6/2018	4.2	-
12/6/2017	4.3	-
9/7/2017	5.9	-
12/7/2016	4.2	-
11/16/2015	4.2	-
Minimum Threshold	**10**	**0.0002**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

KREGSA Well 5410001-008

Sample Date	Nitrate as N (mg/L)	Dibromo-Chloropropane (DBCP) (mg/L)
2022 Groundwater Quality Data		
12/9/2022	4.9	-
11/9/2022	4.8	-
10/14/2022	4.8	-
9/23/2022	4.8	-
7/29/2022	4.7	-
5/18/2022	4.7	-
2/9/2022	4.6	-
2015-2021 Groundwater Quality Data		
10/22/2021	5.2	-
8/25/2021	4.9	-
5/5/2021	5.1	-
2/3/2021	4.8	-
11/13/2020	4.9	-
8/5/2020	4.8	-
5/6/2020	4.8	-
2/5/2020	4.5	-
11/20/2019	4.4	-
8/22/2019	4.5	-
5/8/2019	4.6	-
2/20/2019	4.3	-
11/6/2018	4.8	-
8/7/2018	4.7	-
5/8/2018	4.7	-
2/6/2018	5	-
11/7/2017	4.9	-
8/1/2017	4.7	-
5/2/2017	4.8	-
2/7/2017	5.1	-
11/8/2016	5.2	-
8/2/2016	5	-
Minimum Threshold	**10**	**0.0002**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

KREGSA Well 5403043-002

Sample Date	Nitrate as N (mg/L)	Dibromo-Chloropropane (DBCP) (mg/L)
2022 Groundwater Quality Data		
12/12/2022	5	-
11/7/2022	4.9	-
10/24/2022	5	-
9/22/2022	4.6	-
8/9/2022	4.8	-
7/15/2022	5.1	-
6/9/2022	5.2	-
5/16/2022	5.4	-
4/25/2022	5.4	-
3/21/2022	5.4	-
2/10/2022	5.4	-
1/24/2022	5	-
2015-2021 Groundwater Quality Data		
12/28/2021	5.3	-
11/23/2021	5.5	-
10/19/2021	5.4	-
9/28/2021	5.5	-
7/14/2021	5.8	-
6/28/2021	5.4	-
8/31/2020	6	-
8/17/2020	5.9	-
8/3/2020	6	-
7/22/2020	5.9	-
7/8/2020	5.8	-
6/22/2020	5.5	-
6/17/2020	5.1	-
6/3/2020	5.1	-
5/27/2020	5.8	-
5/11/2020	5.3	-
4/29/2020	5.8	-
4/13/2020	6.6	-
4/3/2020	5.6	-
3/18/2020	6.5	-
3/4/2020	5.5	-
2/11/2020	6	-
2/7/2020	6	-
12/18/2019	5.9	-
12/9/2019	5.5	-
11/25/2019	5.5	-
9/16/2019	5.8	-

KREGSA Well 5403043-002

Sample Date	Nitrate as N (mg/L)	Dibromo-Chloropropane (DBCP) (mg/L)
8/19/2019	6.1	-
6/24/2019	6	-
5/29/2019	5.1	-
4/29/2019	7.9	-
4/8/2019	6	-
3/27/2019	5.7	-
3/13/2019	5.7	-
2/27/2019	5.7	-
2/11/2019	6	-
1/30/2019	5.8	-
1/2/2019	5.3	-
12/20/2018	6.2	-
11/26/2018	5.7	-
11/12/2018	6.2	-
10/29/2018	5.6	-
10/15/2018	5.7	-
10/1/2018	5.8	-
9/19/2018	5.4	-
9/4/2018	6.1	-
8/20/2018	6	-
7/23/2018	5.4	-
7/6/2018	5.6	-
6/28/2018	6.2	-
6/18/2018	5.9	-
6/7/2018	5.8	-
5/24/2018	5.4	-
5/15/2018	5.5	-
5/3/2018	5.5	-
4/27/2018	5.7	-
4/17/2018	5.6	-
4/13/2018	5.5	-
4/11/2018	5.7	-
4/3/2018	5.7	-
3/28/2018	5.6	-
3/20/2018	5.4	-
3/13/2018	5.6	-
3/9/2018	5.1	-
2/27/2018	5.5	-
2/20/2018	5.4	-
2/13/2018	5.4	-
1/31/2018	5.7	-

KREGSA Well 5403043-002

Sample Date	Nitrate as N (mg/L)	Dibromo-Chloropropane (DBCP) (mg/L)
1/23/2018	5.8	-
11/8/2017	5.4	-
10/2/2017	5.3	-
8/8/2017	5.7	-
7/14/2017	4.7	-
7/6/2017	5	-
6/19/2017	9.8	-
4/3/2017	5.6	-
3/2/2017	5.6	-
6/13/2016	5.8	-
5/2/2016	5.6	-
4/4/2016	5.9	-
3/7/2016	6.2	-
2/10/2016	6.2	-
1/21/2016	6	-
Minimum Threshold	**10**	**0.0002**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

McMullin Area Groundwater Sustainability Agency

MAGSA Well DMW-25R

Sample Date	Arsenic (mg/L)	Chloride (mg/L)	Manganese (mg/L)	Sodium (mg/L)	Uranium (pCi/L)	Nitrate as N (mg/L)	DBCP (mg/L)	TCP (mg/L)	TDS (mg/L)
2022 Groundwater Quality Data									
1/12/2022	-	370	-	180	-	9.8	-	-	1400
2015-2021 Groundwater Quality Data									
10/19/2021	-	390	-	170	-	12	-	-	1500
7/19/2021	-	500	-	190	-	12	-	-	1600
4/8/2021	-	430	-	180	-	11	-	-	1100
1/26/2021	-	350	-	160	-	9	-	-	1300
10/22/2020	-	440	-	200	-	11	-	-	1500
9/4/2020	-	490	-	220	-	12	-	-	1500
8/20/2020	-	470	-	220	-	12	-	-	1500
Minimum Threshold	**0.01**	**500**	**0.05**	**NA**	**20**	**14.4**	**0.0002**	**0.000005**	**1920**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

MAGSA Well DMW-17R

Sample Date	Arsenic (mg/L)	Chloride (mg/L)	Manganese (mg/L)	Sodium (mg/L)	Uranium (pCi/L)	Nitrate as N (mg/L)	DBCP (mg/L)	TCP (mg/L)	TDS (mg/L)
2022 Groundwater Quality Data									
1/10/2022	-	500	-	330	-	8.5	-	-	1500
2015-2021 Groundwater Quality Data									
10/14/2021	-	540	-	360	-	9.8	-	-	1600
7/15/2021	-	530	-	330	-	10	-	-	1500
4/6/2021	-	520	-	340	-	10	-	-	1400
1/25/2021	-	490	-	330	-	8.9	-	-	1500
10/20/2020	-	530	-	350	-	7.3	-	-	1400
9/22/2020	-	530	-	310	-	7.8	-	-	1600
8/18/2020	-	540	-	380	-	7	-	-	1700
Minimum Threshold	**0.01**	**648**	**0.05**	**NA**	**20**	**12**	**0.0002**	**0.000005**	**2040**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

MAGSA Well DMW-21R

Sample Date	Arsenic (mg/L)	Chloride (mg/L)	Manganese (mg/L)	Sodium (mg/L)	Uranium (pCi/L)	Nitrate as N (mg/L)	DBCP (mg/L)	TCP (mg/L)	TDS (mg/L)
2022 Groundwater Quality Data									
1/12/2022	-	220	-	120	-	0.95	-	-	1500
2015-2021 Groundwater Quality Data									
10/18/2021	-	260	-	100	-	13	-	-	1600
7/16/2021	-	250	-	100	-	15	-	-	1900
4/7/2021	-	290	-	110	-	14	-	-	1600
1/26/2021	-	270	-	110	-	10	-	-	1400
10/21/2020	-	300	-	110	-	14	-	-	1600
9/23/2020	-	270	-	100	-	15	-	-	1800
8/19/2020	-	300	-	120	-	15	-	-	1500
Minimum Threshold	**0.01**	**500**	**0.05**	**NA**	**20**	**18**	**0.0002**	**0.000005**	**2280**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

MAGSA Well BMW-1R

Sample Date	Arsenic (mg/L)	Chloride (mg/L)	Manganese (mg/L)	Sodium (mg/L)	Uranium (pCi/L)	Nitrate as N (mg/L)	DBCP (mg/L)	TCP (mg/L)	TDS (mg/L)
2022 Groundwater Quality Data									
1/11/2022	-	410	-	250	-	9.5	-	-	1300
2015-2021 Groundwater Quality Data									
10/14/2021	-	430	-	260	-	8.3	-	-	1300
7/15/2021	-	400	-	220	-	11	-	-	1300
4/6/2021	-	420	-	240	-	12	-	-	1200
1/25/2021	-	440	-	210	-	8.6	-	-	1300
10/20/2020	-	390	-	280	-	10	-	-	1300
9/22/2020	-	420	-	230	-	10	-	-	1300
8/18/2020	-	380	-	280	-	13	-	-	1400
Minimum Threshold	**0.01**	**500**	**0.05**	**NA**	**20**	**15.6**	**0.0002**	**0.000005**	**1680**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

MAGSA Well 1000317-001

Sample Date	Arsenic (mg/L)	Chloride (mg/L)	Manganese (mg/L)	Sodium (mg/L)	Uranium (pCi/L)	Nitrate as N (mg/L)	DBCP (mg/L)	TCP (mg/L)	TDS (mg/L)
2022 Groundwater Quality Data									
2015-2021 Groundwater Quality Data									
12/30/2020	-	-	-	-	-	ND	-	-	-
12/29/2017	-	-	-	-	-	8	-	-	-
Minimum Threshold	**0.01**	**500**	**0.05**		**20**	**10**	**0.0002**	**0.000005**	**1000**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

MAGSA Well 1000465-001

Sample Date	Arsenic (mg/L)	Chloride (mg/L)	Manganese (mg/L)	Sodium (mg/L)	Uranium (pCi/L)	Nitrate as N (mg/L)	DBCP (mg/L)	TCP (mg/L)	TDS (mg/L)
2022 Groundwater Quality Data									
2015-2021 Groundwater Quality Data									
1/4/2021	-	-	-	-	-	0.42	-	0.000017	-
10/5/2020	-	-	-	-	-	3.6	-	0.000038	-
7/6/2020	-	-	-	-	-	6.2	-	0.000006	-
4/6/2020	-	-	-	-	-	1.3	-	0.000052	-
1/6/2020	-	-	-	-	-	1.7	-	0.000072	-
10/7/2019	-	-	-	-	7.2	3.3	-	0.000038	-
7/1/2019	-	-	-	-	-	5.4	-	0.000008	-
4/1/2019	0.0029	-	-	-	-	5.1	-	0.000016	-
1/7/2019	-	-	-	-	-	1.6	-	0.000056	-
10/1/2018	-	-	-	-	-	4.2	-	0.000029	-
7/2/2018	-	-	-	-	-	7.3	-	0.000011	-
4/2/2018	-	-	-	-	-	1.1	-	0.000032	-
1/31/2018	-	-	-	-	-	-	-	0.00005	-
1/2/2018	-	-	-	-	-	1.5	-	-	-
10/2/2017	-	-	-	-	-	3.2	-	-	-
7/25/2017	-	-	-	-	-	8.5	-	-	-
4/3/2017	-	-	-	-	-	9.6	-	-	-
1/3/2017	-	-	-	-	-	1.5	-	-	-
10/3/2016	-	-	-	-	-	7.3	-	-	-
8/1/2016	-	-	-	-	-	8.2	-	-	-
7/21/2016	-	-	-	-	-	8.9	-	-	-
4/7/2016	0.003	49	ND	37	-	11	-	-	-
3/7/2016	-	-	-	-	-	1.2	-	-	-
2/2/2016	-	-	-	-	-	1.2	-	-	-
1/4/2016	-	-	-	-	-	4.4	-	-	-
Minimum Threshold	**0.01**	**500**	**0.05**	**NA**	**20**	**13.2**	**0.0002**	**0.0000864**	**1000**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

MAGSA Well 1000551-001

Sample Date	Arsenic (mg/L)	Chloride (mg/L)	Manganese (mg/L)	Sodium (mg/L)	Uranium (pCi/L)	Nitrate as N (mg/L)	DBCP (mg/L)	TCP (mg/L)	TDS (mg/L)
2022 Groundwater Quality Data									
10/31/2022	-	-	-	-	-	2.8	-	-	-
2015-2021 Groundwater Quality Data									
2/23/2021	-	-	-	-	-	2.8	-	ND	-
8/26/2020	-	-	ND	-	-	-	-	-	-
4/9/2020	0.0065	7.3	-	47	-	-	-	-	-
3/18/2020	-	-	-	-	-	2.8	-	-	-
3/22/2019	-	-	-	-	-	2.5	-	-	-
10/17/2018	-	-	-	-	-	-	-	ND	-
7/5/2018	-	-	-	-	-	-	-	ND	-
6/20/2018	-	-	-	-	-	2.5	-	ND	-
4/4/2018	-	-	-	-	-	-	-	ND	-
1/29/2018	-	-	-	-	-	-	-	ND	-
4/19/2017	0.0074	6.8	ND	53	-	2.6	-	-	-
12/19/2016	-	-	-	-	-	2.6	-	-	-
3/4/2015	ND	-	-	50	-	-	-	-	-
Minimum Threshold	**0.01**	**500**	**0.05**	**NA**	**20**	**10**	**0.0002**	**0.000005**	**1000**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

MAGSA Well 1000560-001

Sample Date	Arsenic (mg/L)	Chloride (mg/L)	Manganese (mg/L)	Sodium (mg/L)	Uranium (pCi/L)	Nitrate as N (mg/L)	DBCP (mg/L)	TCP (mg/L)	TDS (mg/L)
2022 Groundwater Quality Data									
1/11/2022	-	-	-	-	-	ND	-	-	-
2015-2021 Groundwater Quality Data									
11/16/2021	-	-	-	-	-	ND	-	-	-
11/17/2020	-	-	-	-	-	2.6	-	-	-
2/19/2019	-	-	-	-	-	ND	-	-	-
11/27/2018	-	-	-	-	-	ND	-	-	-
12/6/2016	-	-	-	-	-	ND	-	-	-
Minimum Threshold	**0.01**	**500**	**0.05**		**20**	**10**	**0.0002**	**0.000005**	**1000**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

MAGSA Well 1000602-003

Sample Date	Arsenic (mg/L)	Chloride (mg/L)	Manganese (mg/L)	Sodium (mg/L)	Uranium (pCi/L)	Nitrate as N (mg/L)	DBCP (mg/L)	TCP (mg/L)	TDS (mg/L)
2022 Groundwater Quality Data									
10/7/2022	0.014	-	-	-	-	-	-	-	-
1/11/2022	0.014	-	-	-	-	-	-	ND	-
2015-2021 Groundwater Quality Data									
10/13/2021	0.015	-	-	-	-	-	-	-	-
7/7/2021	0.014	-	-	-	-	-	-	-	-
4/7/2021	0.014	-	-	-	-	0.49	-	-	-
1/8/2021	0.015	-	-	-	-	-	-	-	-
10/6/2020	0.013	-	-	-	-	-	-	-	-
7/14/2020	0.015	-	-	-	-	-	-	-	-
4/2/2020	0.014	-	-	-	-	ND	-	-	-
1/21/2020	0.015	-	-	-	-	-	-	-	-
10/17/2019	0.013	-	-	-	-	-	-	-	-
7/3/2019	0.015	-	-	-	-	-	-	-	-
4/5/2019	0.014	-	-	-	-	ND	-	-	-
1/8/2019	0.015	-	-	-	-	ND	-	ND	-
10/23/2018	-	-	-	-	-	-	-	ND	-
10/4/2018	0.015	-	-	-	-	-	-	-	-
7/6/2018	0.015	-	-	-	-	-	-	ND	-
5/30/2018	-	-	-	-	-	-	-	ND	-
4/5/2018	0.015	-	-	-	-	-	-	-	-
1/3/2018	0.014	-	-	-	-	0.4	-	-	-
10/18/2017	0.013	-	-	-	-	-	-	-	-
7/7/2017	0.013	-	-	-	-	-	-	-	-
4/3/2017	0.012	-	-	-	-	-	-	-	-
1/5/2017	0.014	-	-	-	-	0.41	-	-	-
10/4/2016	0.014	-	-	-	-	-	-	-	-
7/1/2016	0.014	-	-	-	-	-	-	-	-
4/5/2016	0.014	-	-	-	-	-	-	-	-
2/18/2016	ND	-	-	-	-	-	-	-	-
2/11/2016	ND	-	-	-	-	-	-	-	-
2/3/2016	ND	-	-	-	-	-	-	-	-
1/28/2016	ND	-	-	-	-	-	-	-	-
1/4/2016	0.011	-	-	-	-	0.58	-	-	-
10/1/2015	0.014	-	-	-	-	-	-	-	-
4/1/2015	0.012	-	-	-	4.5	-	-	-	-
1/7/2015	0.011	-	-	-	4.8	-	-	-	-
Minimum Threshold	**0.018**	**500**	**0.05**		**20**	**10**	**0.0002**	**0.000005**	**1000**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

MAGSA Well 1000604-002

Sample Date	Arsenic (mg/L)	Chloride (mg/L)	Manganese (mg/L)	Sodium (mg/L)	Uranium (pCi/L)	Nitrate as N (mg/L)	DBCP (mg/L)	TCP (mg/L)	TDS (mg/L)
2022 Groundwater Quality Data									
2015-2021 Groundwater Quality Data									
12/28/2021	0.037	-	-	-	-	-	-	-	-
5/3/2021	ND	-	-	-	-	-	-	-	-
12/16/2020	-	-	-	-	-	ND	-	-	-
8/26/2020	0.033	-	-	-	-	-	-	-	-
6/24/2020	0.035	-	-	-	-	-	-	-	-
3/11/2020	0.036	-	-	-	-	-	-	-	-
11/14/2019	-	-	-	-	-	2.84	-	-	-
11/5/2019	ND	-	-	-	-	-	-	-	-
5/2/2019	0.037	-	-	-	-	-	-	ND	-
2/6/2019	-	-	-	-	-	-	-	ND	-
12/12/2018	-	-	-	-	-	ND	-	-	-
10/30/2018	-	-	-	-	-	-	-	ND	-
8/2/2018	0.038	-	-	-	-	-	-	ND	-
8/15/2017	0.0304	-	-	-	-	-	-	-	-
12/29/2016	0.0341	-	-	-	-	-	-	-	-
12/15/2015	0.029	-	-	-	-	-	-	-	-
Minimum Threshold	**0.0456**	**500**	**0.05**		**20**	**10**	**0.0002**	**0.000005**	**1000**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

MAGSA Well 1000641-001

Sample Date	Arsenic (mg/L)	Chloride (mg/L)	Manganese (mg/L)	Sodium (mg/L)	Uranium (pCi/L)	Nitrate as N (mg/L)	DBCP (mg/L)	TCP (mg/L)	TDS (mg/L)
2022 Groundwater Quality Data									
6/13/2022	-	-	-	-	-	ND	-	-	-
5/9/2022	-	-	-	-	-	-	-	ND	-
2015-2021 Groundwater Quality Data									
6/30/2021	0.0074	-	-	-	-	ND	-	-	-
6/16/2020	-	-	-	-	-	ND	-	-	-
6/11/2019	-	-	-	-	-	ND	-	-	-
4/8/2019	-	-	-	-	-	-	-	ND	-
1/2/2019	-	-	-	-	-	-	-	ND	-
6/26/2018	-	-	-	-	-	-	-	ND	-
6/25/2018	0.0074	16	ND	70	-	ND	-	-	-
3/5/2018	-	-	-	-	-	-	-	ND	-
Minimum Threshold	**0.01**	**500**	**0.05**	**NA**	**20**	**10**	**0.0002**	**0.000005**	**1000**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

MAGSA Well 1009120-001

Sample Date	Arsenic (mg/L)	Chloride (mg/L)	Manganese (mg/L)	Sodium (mg/L)	Uranium (pCi/L)	Nitrate as N (mg/L)	DBCP (mg/L)	TCP (mg/L)	TDS (mg/L)
2022 Groundwater Quality Data									
9/30/2022	0.0089	-	-	-	-	-	-	ND	-
6/30/2022	0.0034	-	-	-	-	-	-	ND	-
3/30/2022	ND	-	-	-	-	-	-	ND	-
1/28/2022	-	-	-	-	-	0.35	-	-	-
2015-2021 Groundwater Quality Data									
12/29/2021	ND	-	-	-	-	ND	-	ND	-
9/30/2021	ND	-	-	-	-	-	-	ND	-
6/30/2021	ND	-	-	-	-	-	-	ND	-
3/30/2021	ND	-	-	-	-	-	-	ND	-
12/30/2020	ND	-	-	-	-	ND	-	ND	-
8/13/2020	ND	-	-	-	-	-	-	0.000005	-
5/5/2020	ND	-	-	-	-	-	-	ND	-
1/27/2020	0.0086	-	-	-	28	-	-	ND	-
12/27/2019	0.0085	-	-	-	-	-	-	ND	-
9/3/2019	-	-	-	-	-	-	-	ND	-
8/31/2019	0.0084	-	-	-	-	-	-	-	-
4/1/2019	0.0099	61	ND	64	-	3.7	-	ND	-
1/31/2019	0.0079	-	-	-	-	-	-	ND	-
12/27/2018	-	-	-	-	-	2.2	-	-	-
11/30/2018	ND	-	-	-	-	-	-	ND	-
8/31/2018	0.0075	-	-	-	-	-	-	ND	-
6/26/2018	0.0095	-	-	-	-	-	-	-	-
5/31/2018	-	-	-	-	-	-	-	ND	-
12/31/2017	0.0091	-	-	-	-	-	-	-	-
12/28/2017	-	-	-	-	-	ND	-	-	-
9/28/2017	0.0031	-	-	-	-	-	-	-	-
6/29/2017	0.0022	-	-	-	-	-	-	-	-
3/31/2017	0.0049	-	-	-	-	-	-	-	-
12/12/2016	0.009	-	-	-	-	3.6	-	-	-
6/30/2016	0.0097	-	-	-	-	-	-	-	-
2/11/2016	0.0099	49	ND	57	-	3.1	-	-	-
12/30/2015	ND	-	-	-	-	0.46	-	-	-
11/23/2015	ND	-	-	-	-	-	-	-	-
6/29/2015	ND	-	-	-	-	-	-	-	-
3/4/2015	0.011	-	-	-	-	-	-	-	-
Minimum Threshold	**0.0132**	**500**	**0.05**	**NA**	**33.6**	**10**	**0.0002**	**0.000006**	**1000**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

North Fork Kings Groundwater Sustainability Agency

NFKGSA Well MAP-MW10

Sample Date	Arsenic (µg/L)	Chromium - Total (µg/L)	Fluoride (µg/L)	Gross Alpha (pCi/L)	Lead (µg/L)	Nitrate as N (mg/L)	1,2,3-Trichloropropane (µg/L)	Uranium (pCi/L)	Aluminum (µg/L)	Iron (mg/L)	Manganese (mg/L)	Total Dissolved Solids (mg/L)
2022 Groundwater Quality Data												
2015-2021 Groundwater Quality Data												
8/10/2021	-	-	-	-	-	59	-	-	-	-	-	920
2/19/2021	-	-	-	-	-	53	-	-	-	-	-	740
5/22/2020	-	-	-	-	-	56	-	-	-	-	-	870
2/19/2020	-	-	-	-	-	32	-	-	-	-	-	610
11/21/2019	-	-	-	-	-	11	-	-	-	-	-	410
8/14/2019	-	-	-	-	-	53	-	-	-	-	-	870
5/21/2019	-	-	-	-	-	47	-	-	-	-	-	770
2/20/2019	-	-	-	-	-	42	-	-	-	-	-	670
8/8/2018	-	-	-	-	-	41	-	-	-	-	-	660
2/21/2018	-	-	-	-	-	39	-	-	-	-	-	610
8/24/2017	-	-	-	-	-	70	-	-	-	-	-	1100
5/10/2017	-	-	-	-	-	64	-	-	-	-	-	580
3/31/2017	-	-	-	-	-	65	-	-	-	-	-	920
11/11/2016	-	-	-	-	-	63	-	-	-	-	-	860
8/8/2016	-	-	-	-	-	62	-	-	-	-	-	900
5/6/2016	-	-	-	-	-	68	-	-	-	-	-	1000
2/24/2016	-	-	-	-	-	63	-	-	-	-	-	960
11/18/2015	-	-	-	-	-	65	-	-	-	-	-	930
8/24/2015	-	-	-	-	-	59	-	-	-	-	-	900
5/15/2015	-	-	-	-	-	62	-	-	-	-	-	970
2/24/2015	-	-	-	-	-	60	-	-	-	-	-	620
Minimum Threshold	**10**	**50**	**2000**	**15**	**15**	**84**	**0.005**	**20**	**1000**	**300**	**0.05**	**1320**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

NFKGSA Well ZON-MW3B

Sample Date	Arsenic (µg/L)	Chromium - Total (µg/L)	Fluoride (µg/L)	Gross Alpha (pCi/L)	Lead (µg/L)	Nitrate as N (mg/L)	1,2,3-Trichloropropane (µg/L)	Uranium (pCi/L)	Aluminum (µg/L)	Iron (mg/L)	Manganese (mg/L)	Total Dissolved Solids (mg/L)
2022 Groundwater Quality Data												
2015-2021 Groundwater Quality Data												
8/10/2021	-	-	-	-	-	34	-	-	-	-	-	610
2/19/2021	-	-	-	-	-	32	-	-	-	-	-	640
5/22/2020	-	-	-	-	-	45	-	-	-	-	-	680
2/19/2020	-	-	-	-	-	45	-	-	-	-	-	700
8/14/2019	-	-	-	-	-	49	-	-	-	-	-	780
5/21/2019	-	-	-	-	-	50	-	-	-	-	-	730
2/20/2019	-	-	-	-	-	48	-	-	-	-	-	600
11/29/2018	-	-	-	-	-	52	-	-	-	-	-	800
8/8/2018	-	-	-	-	-	51	-	-	-	-	-	780
5/11/2018	-	-	-	-	-	51	-	-	-	-	-	750
2/21/2018	-	-	-	-	-	52	-	-	-	-	-	640
11/28/2017	-	-	-	-	-	52	-	-	-	-	-	800
8/23/2017	-	-	-	-	-	51	-	-	-	-	-	620
5/11/2017	-	-	-	-	-	46	-	-	-	-	-	680
3/31/2017	-	-	-	-	-	46	-	-	-	-	-	700
11/10/2016	-	-	-	-	-	47	-	-	-	-	-	750
8/8/2016	-	-	-	-	-	48	-	-	-	-	-	760
5/6/2016	-	-	-	-	-	49	-	-	-	-	-	770
2/24/2016	-	-	-	-	-	48	-	-	-	-	-	690
11/18/2015	-	-	-	-	-	53	-	-	-	-	-	690
8/24/2015	-	-	-	-	-	56	-	-	-	-	-	780
5/15/2015	-	-	-	-	-	55	-	-	-	-	-	900
2/23/2015	-	-	-	-	-	55	-	-	-	-	-	820
Minimum Threshold	**10**	**50**	**2000**	**15**	**15**	**67.2**	**0.005**	**20**	**1000**	**300**	**0.05**	**1000**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

NFKGSA Well ZON-MW1C

Sample Date	Arsenic (µg/L)	Chromium - Total (µg/L)	Fluoride (µg/L)	Gross Alpha (pCi/L)	Lead (µg/L)	Nitrate as N (mg/L)	1,2,3-Trichloropropane (µg/L)	Uranium (pCi/L)	Aluminum (µg/L)	Iron (mg/L)	Manganese (mg/L)	Total Dissolved Solids (mg/L)
2022 Groundwater Quality Data												
2015-2021 Groundwater Quality Data												
2/19/2021	-	-	-	-	-	16	-	-	-	-	-	600
5/22/2020	-	-	-	-	-	19	-	-	-	-	-	680
2/19/2020	-	-	-	-	-	22	-	-	-	-	-	660
2/24/2016	-	-	-	-	-	8.4	-	-	-	-	-	640
2/23/2015	-	-	-	-	-	10	-	-	-	-	-	720
Minimum Threshold	**10**	**50**	**2000**	**15**	**15**	**26.4**	**0.005**	**20**	**1000**	**300**	**0.05**	**1000**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

NFKGSA Well 1000053-001

Sample Date	Arsenic (µg/L)	Chromium - Total (µg/L)	Fluoride (µg/L)	Gross Alpha (pCi/L)	Lead (µg/L)	Nitrate as N (mg/L)	1,2,3-Trichloropropane (µg/L)	Uranium (pCi/L)	Aluminum (µg/L)	Iron (mg/L)	Manganese (mg/L)	Total Dissolved Solids (mg/L)
2022 Groundwater Quality Data												
2015-2021 Groundwater Quality Data												
10/1/2018	11	-	-	-	-	-	ND	-	-	-	-	-
7/2/2018	10	-	-	-	-	-	ND	-	-	-	-	-
4/2/2018	17	-	-	-	-	-	ND	-	-	-	-	-
1/31/2018	-	-	-	-	-	-	ND	-	-	-	-	-
1/2/2018	7.3	-	-	ND	-	ND	-	-	-	-	-	-
10/2/2017	7.3	-	-	ND	-	-	-	-	-	3.9	0.097	800
7/13/2017	6.2	-	-	4.53	-	-	-	-	-	-	-	-
4/3/2017	15	-	-	5.54	-	-	-	-	-	-	-	-
1/3/2017	21	-	-	-	-	ND	-	-	-	-	-	-
10/20/2016	14	-	-	-	-	-	-	-	-	-	-	-
7/21/2016	14	-	-	-	-	-	-	-	-	-	-	-
4/7/2016	17	-	1700	-	9.2	ND	-	-	ND	-	-	-
1/4/2016	2.9	-	-	-	-	-	-	-	-	-	-	-
12/8/2015	19	-	-	-	-	ND	-	-	-	-	-	-
3/24/2015	15	-	-	-	-	-	-	-	-	-	-	-
Minimum Threshold	**25.2**	**50**	**2000**	**15**	**15**	**10**	**0.005**	**20**	**1000**	**300**	**0.1164**	**1000**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

NFKGSA Well 1000627-001

Sample Date	Arsenic (µg/L)	Chromium - Total (µg/L)	Fluoride (µg/L)	Gross Alpha (pCi/L)	Lead (µg/L)	Nitrate as N (mg/L)	1,2,3-Trichloropropane (µg/L)	Uranium (pCi/L)	Aluminum (µg/L)	Iron (mg/L)	Manganese (mg/L)	Total Dissolved Solids (mg/L)
2022 Groundwater Quality Data												
10/13/2022	22	-	-	22.2	-	11	-	27	-	-	-	-
7/21/2022	15	-	-	19.3	-	15	-	22	-	-	-	-
4/21/2022	18	-	-	-	-	11	-	19	-	-	-	-
1/13/2022	25	-	350	12.4	ND	6.5	-	12	ND	ND	ND	260
2015-2021 Groundwater Quality Data												
10/21/2021	20	-	-	15.5	-	10	-	-	-	-	-	-
7/8/2021	16	-	-	21	-	15	-	22	-	-	-	-
4/15/2021	20	-	-	16.4	-	11	-	18	-	-	-	-
1/14/2021	21	-	-	15.7	-	8.9	ND	14	-	-	-	-
10/8/2020	21	-	-	15.1	-	9.8	-	15	-	-	-	-
7/16/2020	20	-	-	15.4	-	11	-	-	-	-	-	-
4/9/2020	22	-	-	19.1	-	7.7	-	14	-	-	-	-
1/9/2020	20	-	-	16.2	-	9.8	-	17	-	-	-	-
12/20/2019	-	-	-	-	-	-	-	15	-	-	-	-
10/10/2019	19	-	-	18.6	-	9.7	-	-	-	-	-	-
7/11/2019	21	-	-	17.6	-	9.1	-	-	-	-	-	-
4/11/2019	21	-	-	14.6	-	10	-	18	-	-	-	-
1/10/2019	22	-	360	11.1	ND	8.7	-	18	ND	ND	ND	280
10/10/2018	18	-	-	17.6	-	12	ND	-	-	-	-	-
7/12/2018	19	-	-	13.1	-	10	ND	-	-	-	-	-
4/17/2018	21	-	-	20.1	-	11	ND	-	-	-	-	-
2/8/2018	-	-	-	-	-	-	ND	-	-	-	-	-
1/11/2018	22	-	-	19.6	-	9.3	-	-	-	-	-	-
10/24/2017	-	-	-	-	-	11	-	-	-	-	-	-
10/12/2017	19	-	-	33.2	-	-	-	-	-	-	-	-
7/13/2017	19	-	-	26.7	-	10	-	-	-	-	-	-
4/13/2017	21	-	-	24.7	-	9.3	-	-	-	-	-	-
1/12/2017	21	-	-	27.9	-	9.1	-	-	-	-	-	-
10/13/2016	13	-	-	39.8	-	13	-	-	-	-	-	-
7/14/2016	13	-	-	30.5	-	21	ND	43	-	-	-	-
4/12/2016	16	-	-	17.9	-	13	-	38	-	-	-	-
2/10/2016	20	-	380	15.1	ND	7.8	-	-	ND	ND	ND	280
11/5/2015	-	-	-	17.9	-	-	-	-	-	-	-	-
10/6/2015	15	-	-	24.3	-	11	-	22	-	-	-	-
7/9/2015	18	-	-	-	-	-	-	-	-	-	-	-
4/9/2015	16	-	-	16.4	-	-	-	15	-	-	-	-
1/8/2015	21	-	-	-	-	-	-	-	-	-	-	-
Minimum Threshold	**26.4**	**50**	**2000**	**47.76**	**15**	**25.2**	**0.005**	**51.6**	**1000**	**300**	**0.05**	**1000**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

NFKGSA Well 1000369-002

Sample Date	Arsenic (µg/L)	Chromium - Total (µg/L)	Fluoride (µg/L)	Gross Alpha (pCi/L)	Lead (µg/L)	Nitrate as N (mg/L)	1,2,3-Trichloropropane (µg/L)	Uranium (pCi/L)	Aluminum (µg/L)	Iron (mg/L)	Manganese (mg/L)	Total Dissolved Solids (mg/L)
2022 Groundwater Quality Data												
10/13/2022	32	-	-	-	-	-	-	-	230	-	-	-
7/21/2022	33	-	-	-	-	-	-	-	200	-	-	-
4/21/2022	31	-	-	-	-	-	-	-	220	-	-	-
1/13/2022	33	-	-	-	-	ND	-	-	170	-	-	-
2015-2021 Groundwater Quality Data												
10/21/2021	32	-	-	-	-	-	-	-	200	-	-	-
7/8/2021	32	-	-	-	-	-	-	-	300	-	-	-
4/15/2021	33	-	-	-	-	-	-	-	270	-	-	-
1/14/2021	33	-	-	-	-	ND	ND	-	360	-	-	-
12/30/2020	-	-	-	-	-	-	-	-	370	-	-	-
10/8/2020	33	-	-	-	-	-	-	-	-	-	-	-
7/16/2020	34	-	-	-	-	-	-	-	-	-	-	-
4/9/2020	33	-	-	-	-	-	-	-	-	-	-	-
2/13/2020	33	-	810	-	ND	0.41	-	-	310	0.29	ND	180
1/9/2020	31	-	940	-	ND	ND	-	-	480	0.37	ND	180
10/10/2019	31	-	-	-	-	-	-	-	350	-	-	-
7/11/2019	33	-	-	-	-	-	-	-	380	-	-	-
4/11/2019	33	-	-	-	-	-	-	-	220	-	-	-
1/10/2019	34	-	-	5.03	-	ND	-	-	350	-	-	-
10/10/2018	35	-	-	-	-	-	ND	-	400	-	-	-
7/12/2018	34	-	-	-	-	-	ND	-	270	-	-	-
4/17/2018	33	-	-	-	-	-	ND	-	280	-	-	-
2/8/2018	-	-	-	-	-	-	ND	-	-	-	-	-
1/11/2018	37	-	-	-	-	ND	-	-	250	-	-	-
10/24/2017	-	-	-	-	-	-	-	-	-	0.24	ND	160
10/12/2017	33	-	-	-	-	-	-	-	310	-	-	-
7/13/2017	32	-	-	-	-	-	-	-	270	-	-	-
4/13/2017	33	-	-	-	-	-	-	-	340	-	-	-
1/12/2017	34	-	750	-	ND	ND	-	-	260	-	-	-
10/13/2016	28	-	-	-	-	-	-	-	-	-	-	-
7/14/2016	32	-	-	-	-	0.41	ND	-	-	-	-	-
4/12/2016	32	-	-	-	-	-	-	-	-	-	-	-
1/27/2016	-	-	-	-	-	9.3	-	-	-	-	-	-
1/5/2016	16	-	-	-	-	11	-	-	-	-	-	-
10/6/2015	31	-	-	-	-	-	-	-	-	-	-	-
7/9/2015	35	-	-	-	-	-	-	-	-	-	-	-
4/9/2015	41	-	-	-	-	-	-	-	-	-	-	-
3/16/2015	32	-	-	-	-	-	-	-	-	-	-	-
1/8/2015	32	-	-	-	-	-	-	-	-	-	-	-
Minimum Threshold	**49.2**	**50**	**2000**	**15**	**15**	**13.2**	**0.005**	**20**	**1000**	**300**	**0.05**	**1000**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

NFKGSA Well 1010020-005

Sample Date	Arsenic (µg/L)	Chromium - Total (µg/L)	Fluoride (µg/L)	Gross Alpha (pCi/L)	Lead (µg/L)	Nitrate as N (mg/L)	1,2,3-Trichloropropane (µg/L)	Uranium (pCi/L)	Aluminum (µg/L)	Iron (mg/L)	Manganese (mg/L)	Total Dissolved Solids (mg/L)
2022 Groundwater Quality Data												
12/7/2022	-	-	-	-	-	0.62	-	-	-	-	-	97
11/3/2022	-	-	-	-	-	0.38	-	-	-	-	-	90
10/5/2022	-	-	-	-	-	0.88	-	-	-	-	-	110
9/7/2022	-	-	-	-	-	0.69	-	-	-	-	-	96
8/17/2022	-	-	-	2.12	-	-	-	-	-	-	-	-
8/3/2022	-	-	-	-	-	0.37	-	-	-	-	-	100
7/6/2022	-	-	-	-	-	0.33	-	-	-	-	-	97
6/1/2022	-	-	-	-	-	0.35	-	-	-	-	-	110
5/4/2022	-	-	-	-	-	-	-	-	-	-	-	81
4/7/2022	-	-	-	-	-	0.39	-	-	-	-	-	96
3/25/2022	-	-	-	-	-	-	ND	-	-	-	-	-
3/2/2022	-	-	-	-	-	0.32	-	-	-	-	-	91
2/2/2022	-	-	-	-	-	0.39	-	-	-	-	-	90
1/3/2022	-	-	-	-	-	0.28	-	-	-	-	-	92
2015-2021 Groundwater Quality Data												
12/6/2021	-	-	-	-	-	0.38	-	-	-	-	-	52
12/1/2021	-	-	-	-	-	-	-	-	-	-	-	96
11/3/2021	-	-	-	-	-	0.69	-	-	-	-	-	97
10/6/2021	-	-	-	-	-	0.52	-	-	-	-	-	97
9/1/2021	-	-	-	-	-	0.37	-	-	-	-	-	91
8/4/2021	-	-	-	-	-	0.33	-	-	-	-	-	94
7/7/2021	-	-	-	-	-	ND	-	-	-	-	-	88
6/2/2021	-	-	-	-	-	ND	-	-	-	-	-	94
5/5/2021	-	-	-	-	-	ND	-	-	-	-	-	95
4/8/2021	-	-	-	-	-	ND	-	-	-	-	-	92
3/3/2021	-	-	-	-	-	ND	-	-	-	-	-	95
2/3/2021	-	-	-	-	-	ND	-	-	-	-	-	89
1/7/2021	-	-	-	-	-	ND	-	-	-	-	-	91
12/2/2020	-	-	-	-	-	0.44	-	-	-	-	-	94
11/18/2020	-	-	-	-	-	ND	-	-	-	-	-	91
9/2/2020	-	-	-	-	-	ND	-	-	-	-	-	93
8/31/2020	ND	-	ND	-	ND	ND	-	-	ND	0.16	ND	95
8/5/2020	-	-	-	-	-	0.46	-	-	-	-	-	91
7/1/2020	-	-	-	-	-	ND	-	-	-	-	-	92
6/3/2020	-	-	-	-	-	0.53	-	-	-	-	-	96
5/1/2020	-	-	-	-	-	0.44	-	-	-	-	-	100
4/1/2020	-	-	-	-	-	0.49	-	-	-	-	-	96
3/4/2020	-	-	-	-	-	ND	-	-	-	-	-	99
2/5/2020	-	-	-	-	-	ND	-	-	-	-	-	100
1/9/2020	-	-	-	-	-	ND	-	-	-	-	-	96
11/6/2019	-	-	-	-	-	ND	-	-	-	-	-	100
8/28/2019	-	-	-	-	-	ND	-	-	-	-	-	-
8/7/2019	-	-	-	-	-	ND	-	-	-	-	-	92
5/9/2019	-	-	-	-	-	ND	-	-	-	-	-	85
2/20/2019	-	-	-	-	-	-	ND	-	-	-	-	-
2/6/2019	-	-	-	-	-	ND	-	-	-	-	-	90
11/30/2018	-	-	-	-	-	-	ND	-	-	-	-	-
11/8/2018	-	-	-	-	-	0.41	-	-	-	-	-	94
8/22/2018	-	-	-	-	-	ND	ND	-	-	-	-	-
5/23/2018	-	-	-	-	-	-	ND	-	-	-	-	-
2/15/2018	-	-	-	-	-	-	ND	-	-	-	-	-
1/4/2018	-	-	-	-	-	ND	-	-	-	-	-	95
12/5/2017	-	-	-	-	-	ND	-	-	-	-	-	92
11/3/2017	-	-	-	-	-	ND	-	-	-	-	-	90
10/3/2017	-	-	-	-	-	ND	-	-	-	-	-	88
8/28/2017	ND	-	ND	-	ND	ND	ND	-	ND	ND	ND	89
8/22/2016	-	-	-	-	-	ND	ND	-	-	-	-	-
Minimum Threshold	**10**	**50**	**2000**	**15**	**15**	**10**	**0.005**	**20**	**1000**	**300**	**0.05**	**1000**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

NFKGSA Well 1000186-001

Sample Date	Arsenic (µg/L)	Chromium - Total (µg/L)	Fluoride (µg/L)	Gross Alpha (pCi/L)	Lead (µg/L)	Nitrate as N (mg/L)	1,2,3-Trichloropropane (µg/L)	Uranium (pCi/L)	Aluminum (µg/L)	Iron (mg/L)	Manganese (mg/L)	Total Dissolved Solids (mg/L)
2022 Groundwater Quality Data												
4/19/2022	-	-	-	-	-	ND	-	-	-	-	-	-
2015-2021 Groundwater Quality Data												
10/19/2021	-	-	-	-	-	-	ND	-	-	-	-	-
4/20/2021	-	-	-	-	-	ND	-	-	-	-	-	-
4/21/2020	7.9	-	300	-	ND	ND	-	-	150	0.34	0.12	450
4/15/2019	-	-	-	ND	-	ND	-	-	-	-	-	-
10/29/2018	-	-	-	-	ND	-	-	-	-	-	-	-
10/15/2018	-	-	-	-	-	-	ND	-	-	-	-	-
7/12/2018	-	-	-	-	-	-	ND	-	-	-	-	-
4/10/2018	-	-	-	-	-	ND	ND	-	-	-	-	-
1/9/2018	-	-	-	-	-	-	ND	-	-	-	-	-
4/11/2017	2.8	-	350	-	ND	ND	-	-	ND	0.27	0.16	530
4/14/2016	-	-	-	-	-	ND	-	-	-	-	-	-
Minimum Threshold	**10**	**50**	**2000**	**15**	**15**	**10**	**0.005**	**20**	**1000**	**300**	**0.192**	**1000**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

NFKGSA Well 1010028-005

Sample Date	Arsenic (µg/L)	Chromium - Total (µg/L)	Fluoride (µg/L)	Gross Alpha (pCi/L)	Lead (µg/L)	Nitrate as N (mg/L)	1,2,3-Trichloropropane (µg/L)	Uranium (pCi/L)	Aluminum (µg/L)	Iron (mg/L)	Manganese (mg/L)	Total Dissolved Solids (mg/L)
2022 Groundwater Quality Data												
5/10/2022	6.8	-	1900	4.1	ND	ND	-	-	ND	0.14	0.013	700
2015-2021 Groundwater Quality Data												
3/16/2018	-	-	-	-	-	-	ND	-	-	-	-	-
2/8/2018	-	-	-	-	-	ND	-	-	-	-	-	-
Minimum Threshold	**10**	**50**	**2000**	**15**	**15**	**10**	**0.005**	**20**	**1000**	**300**	**0.05**	**1000**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

NFKGSA Well 1010028-004

Sample Date	Arsenic (µg/L)	Chromium - Total (µg/L)	Fluoride (µg/L)	Gross Alpha (pCi/L)	Lead (µg/L)	Nitrate as N (mg/L)	1,2,3-Trichloropropane (µg/L)	Uranium (pCi/L)	Aluminum (µg/L)	Iron (mg/L)	Manganese (mg/L)	Total Dissolved Solids (mg/L)
2022 Groundwater Quality Data												
2015-2021 Groundwater Quality Data												
5/19/2021	15	-	1800	1.45	31	ND	-	-	120	-	-	-
3/16/2018	-	-	-	-	-	-	ND	-	-	-	-	-
Minimum Threshold	**18**	**50**	**2000**	**15**	**37.2**	**10**	**0.005**	**20**	**1000**	**300**	**0.05**	**1000**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

NFKGSA Well 1600017-002

Sample Date	Arsenic (µg/L)	Chromium - Total (µg/L)	Fluoride (µg/L)	Gross Alpha (pCi/L)	Lead (µg/L)	Nitrate as N (mg/L)	1,2,3-Trichloropropane (µg/L)	Uranium (pCi/L)	Aluminum (µg/L)	Iron (mg/L)	Manganese (mg/L)	Total Dissolved Solids (mg/L)
2022 Groundwater Quality Data												
2015-2021 Groundwater Quality Data												
3/30/2015	24	-	-	2.8	-	-	-	-	-	-	-	-
Minimum Threshold	**28.8**	**50**	**2000**	**15**	**15**	**10**	**0.005**	**20**	**1000**	**300**	**0.05**	**1000**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

NFKGSA Well 1000182-001

Sample Date	Arsenic (µg/L)	Chromium - Total (µg/L)	Fluoride (µg/L)	Gross Alpha (pCi/L)	Lead (µg/L)	Nitrate as N (mg/L)	1,2,3-Trichloropropane (µg/L)	Uranium (pCi/L)	Aluminum (µg/L)	Iron (mg/L)	Manganese (mg/L)	Total Dissolved Solids (mg/L)
2022 Groundwater Quality Data												
11/15/2022	-	-	-	-	-	-	-	-	-	-	0.24	-
8/16/2022	-	-	-	-	-	-	-	-	-	-	0.2	-
5/3/2022	-	-	-	-	-	-	-	-	-	-	0.2	-
2/7/2022	-	-	-	-	-	-	-	-	-	-	0.23	-
1/18/2022	-	-	-	-	-	ND	-	-	-	-	-	-
2015-2021 Groundwater Quality Data												
11/16/2021	-	-	-	-	-	ND	ND	-	-	-	0.22	-
8/24/2021	-	-	-	-	-	-	-	-	-	-	0.21	-
5/5/2021	-	-	-	-	-	-	-	-	-	-	0.21	-
2/22/2021	-	-	-	-	-	-	-	-	-	-	0.29	-
1/19/2021	-	-	-	-	-	ND	-	-	-	-	-	-
11/17/2020	ND	-	490	-	ND	ND	-	-	ND	3.6	0.26	530
8/18/2020	-	-	-	-	-	-	-	-	-	-	0.23	-
2/24/2020	-	-	-	-	-	-	-	-	-	-	0.2	-
1/20/2020	-	-	-	-	-	ND	-	-	-	-	-	-
11/13/2019	-	-	-	-	-	-	-	-	-	-	0.2	-
8/21/2019	ND	-	480	-	ND	ND	-	-	ND	0.2	0.17	620
2/26/2019	-	-	-	-	-	-	-	-	-	-	0.22	-
1/16/2019	-	-	-	-	-	ND	-	-	-	-	-	-
12/17/2018	-	-	-	ND	-	-	-	-	-	-	-	-
11/27/2018	-	-	-	-	-	-	ND	-	-	-	0.23	-
8/14/2018	-	-	-	-	-	-	ND	-	-	-	0.2	-
5/16/2018	-	-	-	-	-	-	ND	-	-	-	0.22	-
2/26/2018	-	-	-	-	-	-	ND	-	-	-	0.26	-
1/23/2018	-	-	-	-	-	ND	-	-	-	-	-	-
12/12/2017	-	-	-	-	-	ND	-	-	-	-	0.23	-
8/16/2016	ND	-	530	-	ND	ND	-	-	ND	0.24	0.2	500
4/29/2016	-	-	-	-	-	0.59	-	-	-	-	-	-
Minimum Threshold	**10**	**50**	**2000**	**15**	**15**	**10**	**0.005**	**20**	**1000**	**300**	**0.348**	**1000**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

NFKGSA Well 1000053-002

Sample Date	Arsenic (µg/L)	Chromium - Total (µg/L)	Fluoride (µg/L)	Gross Alpha (pCi/L)	Lead (µg/L)	Nitrate as N (mg/L)	1,2,3-Trichloropropane (µg/L)	Uranium (pCi/L)	Aluminum (µg/L)	Iron (mg/L)	Manganese (mg/L)	Total Dissolved Solids (mg/L)
2022 Groundwater Quality Data												
2015-2021 Groundwater Quality Data												
10/1/2018	20	-	-	3.78	-	-	ND	-	-	-	-	-
7/2/2018	20	-	-	ND	-	-	ND	-	-	-	-	-
4/2/2018	22	-	-	ND	-	-	ND	-	-	-	-	-
1/31/2018	-	-	-	-	-	-	ND	-	-	-	-	-
1/2/2018	21	-	-	-	-	ND	-	-	-	-	-	-
10/2/2017	19	-	-	-	-	-	-	-	-	ND	ND	580
7/13/2017	18	-	-	-	-	-	-	-	-	-	-	-
4/3/2017	21	-	-	-	-	-	-	-	-	-	-	-
1/3/2017	20	-	-	7.3	-	ND	-	-	-	-	-	-
10/6/2016	20	-	-	ND	-	-	-	-	-	-	-	-
7/21/2016	17	-	-	ND	-	-	-	-	-	-	-	-
4/7/2016	20	-	1300	ND	ND	ND	-	-	ND	-	-	-
1/4/2016	20	-	-	ND	-	-	-	-	-	-	-	-
10/5/2015	19	-	-	ND	-	-	-	-	-	-	-	-
7/6/2015	18	-	-	ND	-	-	-	-	-	-	-	-
5/5/2015	18	-	-	3.58	-	-	-	-	-	-	-	-
1/6/2015	14	-	-	ND	-	-	-	-	-	-	-	-
Minimum Threshold	**26.4**	**50**	**2000**	**15**	**15**	**10**	**0.005**	**20**	**1000**	**300**	**0.05**	**1000**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

NFKGSA Well 1010028-009

Sample Date	Arsenic (µg/L)	Chromium - Total (µg/L)	Fluoride (µg/L)	Gross Alpha (pCi/L)	Lead (µg/L)	Nitrate as N (mg/L)	1,2,3-Trichloropropane (µg/L)	Uranium (pCi/L)	Aluminum (µg/L)	Iron (mg/L)	Manganese (mg/L)	Total Dissolved Solids (mg/L)
2022 Groundwater Quality Data												
3/22/2022	8.7	-	-	-	-	ND	-	-	-	-	-	-
2015-2021 Groundwater Quality Data												
12/28/2021	-	-	-	-	-	-	ND	-	-	-	-	-
3/9/2021	8.7	-	2500	-	ND	ND	-	-	ND	ND	ND	640
3/23/2020	-	-	-	-	-	ND	-	-	-	-	-	-
3/8/2019	-	-	-	ND	-	ND	-	-	-	-	-	-
12/10/2018	-	-	-	ND	-	-	ND	-	-	-	-	-
9/12/2018	-	-	-	-	-	-	ND	-	-	-	-	-
6/19/2018	-	-	-	ND	-	-	ND	-	-	-	-	-
3/19/2018	-	-	-	-	-	ND	-	-	-	-	-	-
3/16/2018	6.1	-	1800	ND	ND	-	ND	-	ND	ND	ND	680
3/2/2017	-	-	-	ND	-	ND	-	-	-	-	-	-
3/2/2015	6.2	-	2500	ND	ND	-	-	-	ND	ND	ND	610
1/6/2015	3.9	-	-	-	-	-	-	-	-	-	-	-
Minimum Threshold	**10**	**50**	**3000**	**15**	**15**	**10**	**0.005**	**20**	**1000**	**300**	**0.05**	**1000**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

NFKGSA Well 1010020-003

Sample Date	Arsenic (µg/L)	Chromium - Total (µg/L)	Fluoride (µg/L)	Gross Alpha (pCi/L)	Lead (µg/L)	Nitrate as N (mg/L)	1,2,3-Trichloropropane (µg/L)	Uranium (pCi/L)	Aluminum (µg/L)	Iron (mg/L)	Manganese (mg/L)	Total Dissolved Solids (mg/L)
2022 Groundwater Quality Data												
12/7/2022	-	-	-	-	-	0.76	-	-	-	-	-	95
11/3/2022	-	-	-	-	-	2.2	-	-	-	-	-	180
10/5/2022	-	-	-	-	-	2.5	-	-	-	-	-	210
9/7/2022	-	-	-	-	-	0.74	-	-	-	-	-	100
8/17/2022	ND	-	ND	-	ND	3.1	-	-	ND	0.17	ND	200
8/3/2022	-	-	-	-	-	3.1	-	-	-	-	-	190
4/7/2022	-	-	-	-	-	2.5	-	-	-	-	-	220
3/2/2022	-	-	-	-	-	2.4	-	-	-	-	-	210
2/2/2022	-	-	-	-	-	3	-	-	-	-	-	220
1/3/2022	-	-	-	-	-	2.6	-	-	-	-	-	220
2015-2021 Groundwater Quality Data												
12/6/2021	-	-	-	-	-	3.4	-	-	-	-	-	220
12/1/2021	-	-	-	-	-	-	-	-	-	-	-	220
11/3/2021	-	-	-	-	-	2.4	-	-	-	-	-	210
10/6/2021	-	-	-	-	-	2.9	-	-	-	-	-	210
9/1/2021	-	-	-	-	-	2.1	-	-	-	-	-	180
8/4/2021	-	-	-	-	-	2	-	-	-	-	-	190
7/7/2021	-	-	-	-	-	3.1	-	-	-	-	-	200
6/2/2021	-	-	-	-	-	0.91	-	-	-	-	-	120
5/5/2021	-	-	-	-	-	0.42	-	-	-	-	-	98
4/8/2021	-	-	-	-	-	0.46	-	-	-	-	-	93
3/3/2021	-	-	-	-	-	3.4	-	-	-	-	-	230
2/26/2021	-	-	-	-	-	-	ND	-	-	-	-	-
2/3/2021	-	-	-	-	-	3.4	-	-	-	-	-	220
1/7/2021	-	-	-	-	-	2.6	-	-	-	-	-	190
12/2/2020	-	-	-	-	-	3.3	-	-	-	-	-	220
11/18/2020	-	-	-	-	-	2.7	-	-	-	-	-	200
10/7/2020	-	-	-	-	-	2.1	-	-	-	-	-	190
9/2/2020	-	-	-	-	-	3.3	-	-	-	-	-	220
8/31/2020	-	-	-	-	-	3.4	-	-	-	-	-	-
8/5/2020	-	-	-	-	-	3.1	-	-	-	-	-	190
7/1/2020	-	-	-	-	-	1	-	-	-	-	-	120
6/3/2020	-	-	-	-	-	3.1	-	-	-	-	-	230
5/1/2020	-	-	-	-	-	1.9	-	-	-	-	-	200
4/1/2020	-	-	-	-	-	2.3	-	-	-	-	-	200
3/4/2020	-	-	-	-	-	2.2	-	-	-	-	-	200
2/5/2020	-	-	-	-	-	2.3	-	-	-	-	-	200
1/9/2020	-	-	-	-	-	2.4	-	-	-	-	-	200
12/5/2019	-	-	-	-	-	2.9	-	-	-	-	-	210
9/5/2019	-	-	-	-	-	2.1	-	-	-	-	-	200
8/28/2019	ND	-	ND	-	ND	4	-	-	ND	0.28	ND	220
6/5/2019	-	-	-	-	-	ND	-	-	-	-	-	97
3/7/2019	-	-	-	-	-	3.7	-	-	-	-	-	200
12/6/2018	-	-	-	-	-	1.9	-	-	-	-	-	170
11/30/2018	-	-	-	-	-	-	ND	-	-	-	-	-
9/5/2018	-	-	-	-	-	2	-	-	-	-	-	170
8/22/2018	-	-	-	-	-	1.9	ND	-	-	-	-	-
6/6/2018	-	-	-	-	-	1.7	-	-	-	-	-	160
5/23/2018	-	-	-	-	-	-	ND	-	-	-	-	-
5/4/2018	-	-	-	-	-	1.9	-	-	-	-	-	180
4/5/2018	-	-	-	-	-	3.9	-	-	-	-	-	220
3/21/2018	-	-	-	8.56	-	-	-	9.7	-	-	-	-
3/2/2018	-	-	-	-	-	4.2	-	-	-	-	-	210
2/15/2018	-	-	-	17.1	-	3.8	ND	19	-	-	-	-
2/9/2018	-	-	-	-	-	1.7	-	-	-	-	-	180
12/29/2016	ND	-	ND	-	ND	2.7	-	-	ND	0.61	ND	180
12/6/2016	-	-	-	-	-	ND	-	-	-	-	-	-
Minimum Threshold	**10**	**50**	**2000**	**20.52**	**15**	**10**	**0.005**	**20**	**1000**	**300**	**0.05**	**1000**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

NFKGSA Well 1000445-001

Sample Date	Arsenic (µg/L)	Chromium - Total (µg/L)	Fluoride (µg/L)	Gross Alpha (pCi/L)	Lead (µg/L)	Nitrate as N (mg/L)	1,2,3-Trichloropropane (µg/L)	Uranium (pCi/L)	Aluminum (µg/L)	Iron (mg/L)	Manganese (mg/L)	Total Dissolved Solids (mg/L)
2022 Groundwater Quality Data												
8/1/2022	-	-	-	-	-	-	-	21	-	-	-	-
6/6/2022	-	-	-	-	-	-	-	19	-	-	-	-
3/1/2022	-	-	-	-	-	-	-	28	-	-	-	-
2/1/2022	-	-	-	-	-	-	-	25	-	-	-	-
1/3/2022	-	-	-	25.5	-	-	-	22	-	-	-	-
2015-2021 Groundwater Quality Data												
12/6/2021	-	-	-	-	-	-	-	19	-	-	-	-
11/1/2021	-	-	-	-	-	-	-	19	-	-	-	-
10/4/2021	-	-	-	25	-	-	ND	30	-	-	-	-
9/9/2021	-	-	-	-	-	-	-	27	-	-	-	-
8/2/2021	-	-	-	-	-	-	-	28	-	-	-	-
7/6/2021	-	-	-	22.5	-	-	-	26	-	-	-	-
6/1/2021	-	-	-	-	-	-	-	27	-	-	-	-
5/3/2021	-	-	-	-	-	-	-	28	-	-	-	-
4/5/2021	-	-	-	26.6	-	0.82	-	29	-	-	-	-
3/1/2021	-	-	-	-	-	-	-	20	-	-	-	-
2/1/2021	-	-	-	-	-	-	-	25	-	-	-	-
1/4/2021	-	-	-	21.1	-	-	-	24	-	-	-	-
12/1/2020	-	-	-	-	-	-	-	22	-	-	-	-
11/2/2020	-	-	-	-	-	-	-	24	-	-	-	-
10/5/2020	-	-	-	27.4	-	-	-	25	-	-	-	-
9/1/2020	-	-	-	-	-	-	-	23	-	-	-	-
8/21/2020	-	-	-	-	-	-	-	23	-	-	-	-
8/11/2020	-	-	-	-	-	-	-	23	-	-	-	-
8/6/2020	-	-	-	-	-	-	-	23	-	-	-	-
8/3/2020	-	-	-	-	-	-	-	24	-	-	-	-
7/30/2020	-	-	-	-	-	-	-	1.1	-	-	-	-
7/6/2020	-	-	-	28.6	-	-	-	24	-	-	-	-
6/1/2020	-	-	-	-	-	-	-	22	-	-	-	-
5/4/2020	-	-	-	-	-	-	-	25	-	-	-	-
4/6/2020	-	-	-	9.34	-	ND	-	21	-	-	-	-
3/2/2020	-	-	-	-	-	-	-	21	-	-	-	-
2/24/2020	-	-	-	-	-	-	-	22	-	-	-	-
2/20/2020	-	-	-	-	-	-	-	21	-	-	-	-
2/18/2020	-	-	-	-	-	-	-	23	-	-	-	-
2/13/2020	-	-	-	-	-	-	-	24	-	-	-	-
1/31/2020	-	-	-	-	-	-	-	24	-	-	-	-
1/15/2020	-	-	-	-	-	-	-	ND	-	-	-	-
1/6/2020	-	-	-	10.2	-	-	-	20	-	-	-	-
12/2/2019	-	-	-	-	-	-	-	21	-	-	-	-
11/4/2019	-	-	-	-	-	-	-	20	-	-	-	-
10/7/2019	-	-	-	-	-	-	-	24	-	-	-	-
9/5/2019	-	-	-	-	-	-	-	24	-	-	-	-
8/5/2019	-	-	-	-	-	-	-	23	-	-	-	-
7/1/2019	-	-	-	15.1	-	-	-	21	-	-	-	-
6/3/2019	-	-	-	-	-	-	-	21	-	-	-	-
5/6/2019	-	-	-	-	-	-	-	20	-	-	-	-
4/1/2019	ND	-	ND	38.8	ND	ND	-	20	ND	ND	0.78	4100
3/4/2019	-	-	-	-	-	-	-	23	-	-	-	-
2/4/2019	-	-	-	-	-	-	-	20	-	-	-	-
1/7/2019	-	-	-	26.7	-	-	-	21	-	-	-	-
12/3/2018	-	-	-	-	-	-	-	21	-	-	-	-
11/8/2018	-	-	-	-	-	-	-	21	-	-	-	-
10/1/2018	-	-	-	27.4	-	-	ND	24	-	-	-	-
9/4/2018	-	-	-	-	-	-	-	19	-	-	-	-
8/6/2018	-	-	-	-	-	-	-	21	-	-	-	-
7/2/2018	-	-	-	21.7	-	ND	ND	21	-	-	-	-
6/4/2018	-	-	-	-	-	-	-	21	-	-	-	-
5/7/2018	-	-	-	-	-	-	-	23	-	-	-	-
4/2/2018	-	-	-	32.7	-	-	ND	20	-	-	-	-
3/5/2018	-	-	-	-	-	-	-	20	-	-	-	-
2/5/2018	-	-	-	-	-	-	-	20	-	-	-	-
1/31/2018	-	-	-	-	-	-	ND	-	-	-	-	-
12/4/2017	-	-	-	-	-	-	-	19	-	-	-	-
11/20/2017	-	-	-	30.2	-	-	-	22	-	-	-	-
7/25/2017	-	-	-	22.7	-	ND	-	18	-	-	-	-
6/28/2017	-	-	-	-	-	ND	-	-	-	-	-	-
4/13/2017	-	-	-	25.2	-	-	-	22	-	-	0.77	3800
1/11/2017	-	-	-	29	-	-	-	19	-	-	0.77	3800
1/6/2017	-	-	-	-	-	-	-	-	-	-	ND	200
10/28/2016	-	-	-	-	-	-	-	-	-	-	0.77	4300
10/21/2016	-	-	-	29.5	-	-	-	19	-	-	-	-
7/14/2016	-	-	-	26.9	-	-	-	18	-	-	-	-
6/8/2016	ND	-	ND	-	ND	ND	ND	-	ND	ND	0.76	4000
4/21/2016	-	-	-	30.5	-	-	-	19	-	-	-	-
1/14/2016	-	-	-	16.6	-	-	-	17	-	-	-	-
10/14/2015	-	-	-	29.6	-	-	-	20	-	-	-	-

NFKGSA Well 1000445-001

Sample Date	Arsenic (µg/L)	Chromium - Total (µg/L)	Fluoride (µg/L)	Gross Alpha (pCi/L)	Lead (µg/L)	Nitrate as N (mg/L)	1,2,3-Trichloropropane (µg/L)	Uranium (pCi/L)	Aluminum (µg/L)	Iron (mg/L)	Manganese (mg/L)	Total Dissolved Solids (mg/L)
7/8/2015	-	-	-	28.4	-	-	-	20	-	-	-	-
4/15/2015	-	-	-	30.1	-	-	-	23	-	-	-	-
1/15/2015	-	-	-	24.3	-	-	-	19	-	-	-	-
Minimum Threshold	**10**	**50**	**2000**	**46.56**	**15**	**10**	**0.005**	**36**	**1000**	**300**	**0.936**	**5160**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

NFKGSA Well 1010020-004

Sample Date	Arsenic (µg/L)	Chromium - Total (µg/L)	Fluoride (µg/L)	Gross Alpha (pCi/L)	Lead (µg/L)	Nitrate as N (mg/L)	1,2,3-Trichloropropane (µg/L)	Uranium (pCi/L)	Aluminum (µg/L)	Iron (mg/L)	Manganese (mg/L)	Total Dissolved Solids (mg/L)
2022 Groundwater Quality Data												
12/7/2022	-	-	-	-	-	0.85	-	-	-	-	-	94
11/28/2022	-	-	-	-	-	-	ND	-	-	-	-	-
11/3/2022	-	-	-	-	-	1.3	-	-	-	-	-	140
10/5/2022	-	-	-	-	-	1.5	-	-	-	-	-	160
9/7/2022	-	-	-	-	-	1.4	-	-	-	-	-	150
8/3/2022	-	-	-	-	-	1.3	-	-	-	-	-	150
7/6/2022	-	-	-	-	-	1.5	-	-	-	-	-	150
6/1/2022	-	-	-	-	-	0.35	-	-	-	-	-	110
5/4/2022	-	-	-	-	-	-	-	-	-	-	-	150
4/7/2022	-	-	-	-	-	1.4	-	-	-	-	-	150
3/2/2022	-	-	-	-	-	1.3	-	-	-	-	-	140
2/2/2022	-	-	-	-	-	0.87	-	-	-	-	-	120
1/3/2022	-	-	-	-	-	1.5	-	-	-	-	-	140
2015-2021 Groundwater Quality Data												
12/6/2021	-	-	-	-	-	1.2	-	-	-	-	-	130
12/1/2021	-	-	-	-	-	-	-	-	-	-	-	140
11/3/2021	-	-	-	-	-	1.3	-	-	-	-	-	130
10/6/2021	-	-	-	-	-	1.2	-	-	-	-	-	130
9/15/2021	ND	-	ND	-	ND	1.1	-	-	ND	ND	ND	110
9/1/2021	-	-	-	-	-	0.91	-	-	-	-	-	130
8/4/2021	-	-	-	-	-	1	-	-	-	-	-	130
7/7/2021	-	-	-	-	-	0.88	-	-	-	-	-	120
6/2/2021	-	-	-	-	-	0.94	-	-	-	-	-	120
5/5/2021	-	-	-	-	-	0.95	-	-	-	-	-	120
4/8/2021	-	-	-	-	-	0.47	-	-	-	-	-	93
3/3/2021	-	-	-	-	-	0.57	-	-	-	-	-	120
2/3/2021	-	-	-	-	-	1	-	-	-	-	-	120
1/7/2021	-	-	-	-	-	1.6	-	-	-	-	-	150
12/2/2020	-	-	-	-	-	1	-	-	-	-	-	110
11/4/2020	-	-	-	-	-	1	-	-	-	-	-	120
9/2/2020	-	-	-	-	-	0.87	-	-	-	-	-	120
8/31/2020	-	-	-	-	-	0.93	-	-	-	-	-	-
8/5/2020	-	-	-	-	-	0.89	-	-	-	-	-	110
7/1/2020	-	-	-	-	-	1	-	-	-	-	-	120
6/3/2020	-	-	-	-	-	0.95	-	-	-	-	-	120
5/1/2020	-	-	-	-	-	0.78	-	-	-	-	-	120
4/1/2020	-	-	-	-	-	1	-	-	-	-	-	120
3/4/2020	-	-	-	-	-	0.49	-	-	-	-	-	120
2/5/2020	-	-	-	-	-	0.81	-	-	-	-	-	120
1/9/2020	-	-	-	-	-	0.97	-	-	-	-	-	120
11/20/2019	-	-	-	-	-	-	ND	-	-	-	-	-
10/2/2019	-	-	-	-	-	0.86	-	-	-	-	-	110
8/28/2019	-	-	-	-	-	0.87	-	-	-	-	-	110
7/3/2019	-	-	-	-	-	0.93	-	-	-	-	-	120
5/15/2019	-	-	-	-	-	-	ND	-	-	-	-	-
4/4/2019	-	-	-	-	-	0.94	-	-	-	-	-	120
2/20/2019	-	-	-	-	-	-	ND	-	-	-	-	-
1/4/2019	-	-	-	-	-	0.82	-	-	-	-	-	120
11/30/2018	-	-	-	-	-	-	ND	-	-	-	-	-
10/4/2018	-	-	-	-	-	0.88	-	-	-	-	-	110
8/22/2018	-	-	-	-	-	-	ND	-	-	-	-	-
8/1/2018	-	-	-	-	-	0.71	-	-	-	-	-	110
7/6/2018	-	-	-	-	-	1	-	-	-	-	-	120
5/23/2018	ND	-	ND	-	ND	0.9	ND	-	ND	ND	ND	120
12/6/2016	-	-	-	-	-	ND	-	-	-	-	-	-
Minimum Threshold	**10**	**50**	**2000**	**15**	**15**	**10**	**0.005**	**20**	**1000**	**300**	**0.05**	**1000**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

NFKGSA Well 1000189-001

Sample Date	Arsenic (µg/L)	Chromium - Total (µg/L)	Fluoride (µg/L)	Gross Alpha (pCi/L)	Lead (µg/L)	Nitrate as N (mg/L)	1,2,3-Trichloropropane (µg/L)	Uranium (pCi/L)	Aluminum (µg/L)	Iron (mg/L)	Manganese (mg/L)	Total Dissolved Solids (mg/L)
2022 Groundwater Quality Data												
4/26/2022	ND	-	ND	-	ND	1.2	-	-	ND	-	-	-
2015-2021 Groundwater Quality Data												
10/4/2021	-	-	-	-	-	-	ND	-	-	-	-	-
4/5/2021	-	-	-	-	-	1.1	-	-	-	-	-	-
4/6/2020	-	-	-	-	-	1.1	-	-	-	-	-	-
4/1/2019	2.6	-	ND	-	ND	1.3	-	-	ND	-	-	-
1/7/2019	-	-	-	9.06	-	0.79	-	5.3	-	-	-	-
10/1/2018	-	-	-	-	-	-	ND	-	-	-	-	-
7/2/2018	-	-	-	-	-	-	ND	-	-	-	-	-
4/2/2018	-	-	-	-	-	-	ND	-	-	-	-	-
1/31/2018	-	-	-	-	-	-	ND	-	-	-	-	-
1/2/2018	-	-	-	-	-	0.76	-	-	-	-	-	-
1/3/2017	-	-	-	-	-	0.63	-	-	-	-	-	-
4/7/2016	4.2	-	ND	-	ND	1	-	-	ND	-	-	-
Minimum Threshold	**10**	**50**	**2000**	**15**	**15**	**10**	**0.005**	**20**	**1000**	**300**	**0.05**	**1000**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

NFKGSA Well 1000562-001

Sample Date	Arsenic (µg/L)	Chromium - Total (µg/L)	Fluoride (µg/L)	Gross Alpha (pCi/L)	Lead (µg/L)	Nitrate as N (mg/L)	1,2,3-Trichloropropane (µg/L)	Uranium (pCi/L)	Aluminum (µg/L)	Iron (mg/L)	Manganese (mg/L)	Total Dissolved Solids (mg/L)
2022 Groundwater Quality Data												
8/8/2022	-	-	-	-	-	7.4	-	-	-	-	-	-
7/11/2022	-	-	-	-	-	-	0.051	-	-	-	-	-
4/11/2022	-	-	-	-	-	-	0.054	-	-	-	-	-
1/26/2022	-	-	-	-	-	-	0.055	-	-	-	-	-
2015-2021 Groundwater Quality Data												
7/19/2021	5.3	-	110	-	ND	7.8	0.05	-	ND	-	-	-
4/12/2021	-	-	-	-	-	-	0.055	-	-	-	-	-
1/11/2021	-	-	-	-	-	-	0.066	-	-	-	-	-
10/12/2020	-	-	-	-	-	-	0.045	-	-	-	-	-
7/13/2020	-	-	-	-	-	9.1	0.049	-	-	-	-	-
4/20/2020	-	-	-	-	-	-	0.1	-	-	-	-	-
1/6/2020	-	-	-	-	-	-	0.08	-	-	-	-	-
11/4/2019	-	-	-	-	-	-	0.094	-	-	-	-	-
10/7/2019	-	-	-	-	-	-	0.062	-	-	-	-	-
8/12/2019	-	-	-	-	-	-	0.054	-	-	-	-	-
8/5/2019	-	-	-	-	-	-	0.033	-	-	-	-	-
7/8/2019	-	-	-	-	-	-	0.1	-	-	-	-	-
6/10/2019	-	-	-	-	-	6.4	ND	-	-	-	-	-
5/13/2019	-	-	-	-	-	-	ND	-	-	-	-	-
4/3/2019	-	-	-	-	-	-	ND	-	-	-	-	-
1/23/2019	-	-	-	ND	-	-	0.077	-	-	-	-	-
10/15/2018	-	-	-	-	-	-	0.042	-	-	-	-	-
8/6/2018	-	-	-	-	-	-	0.063	-	-	-	-	-
5/16/2018	8.1	-	140	-	ND	5.2	0.058	-	ND	-	-	-
5/1/2017	-	-	-	-	-	3.9	-	-	-	-	-	-
3/30/2016	-	-	-	-	-	5.4	-	-	-	-	-	-
6/25/2015	8.1	-	140	-	ND	-	-	-	ND	-	-	-
Minimum Threshold	**10**	**50**	**2000**	**15**	**15**	**10**	**0.12**	**20**	**1000**	**300**	**0.05**	**1000**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

North Kings Groundwater Sustainability Agency

NKGSA Well 1000018-001

Sample Date	Arsenic (µg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Hexavalent Chromium (µg/L)	Dibromo-Chloropropane (DBCP) (µg/L)	Methyl Tert-Butyl Ether (MTBE) (µg/L)	Nitrate as N (mg/L)	Uranium (pCi/L)	Tetrachloroethylene (PCE) (µg/L)	Trichloroethylene (TCE) (µg/L)
2022 Groundwater Quality Data									
12/19/2022	-	ND	-	0.028	ND	-	-	ND	ND
12/16/2022	-	-	-	-	-	1.6	-	-	-
2015-2021 Groundwater Quality Data									
11/30/2021	2.7	-	-	-	-	7.1	-	-	-
4/28/2021	-	-	-	0.77	-	ND	-	-	-
2/27/2020	-	-	-	ND	-	2.2	-	-	-
1/14/2019	-	ND	-	-	-	2.5	-	-	-
10/4/2018	-	ND	-	0.063	-	-	-	-	-
8/7/2018	-	ND	-	-	-	-	-	-	-
3/14/2018	-	ND	-	-	-	-	-	-	-
1/10/2018	2.8	-	-	-	-	2.6	-	-	-
5/24/2017	-	-	-	0.042	-	2.4	-	-	-
3/17/2016	1	-	-	0.048	ND	2.6	-	ND	ND
4/10/2015	-	-	-	ND	-	-	-	-	-
Minimum Threshold	**10**	**0.005**	**20**	**0.924**	**13**	**10**	**20**	**5**	**5**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

NKGSA Well 1000023-013

Sample Date	Arsenic (µg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Hexavalent Chromium (µg/L)	Dibromo-Chloropropane (DBCP) (µg/L)	Methyl Tert-Butyl Ether (MTBE) (µg/L)	Nitrate as N (mg/L)	Uranium (pCi/L)	Tetrachloroethylene (PCE) (µg/L)	Trichloroethylene (TCE) (µg/L)
2022 Groundwater Quality Data									
10/6/2022	-	0.031	-	-	-	-	-	-	-
7/8/2022	-	0.029	-	-	-	-	-	-	-
4/15/2022	-	0.03	-	-	-	-	-	-	-
4/7/2022	-	0.034	-	-	-	-	-	-	-
1/13/2022	-	0.039	-	-	-	-	-	-	-
2015-2021 Groundwater Quality Data									
11/17/2021	-	0.041	-	-	-	-	-	-	-
8/3/2021	-	0.03	-	-	-	-	-	-	-
7/19/2021	-	-	-	-	-	2.2	-	-	-
7/9/2021	-	0.031	-	-	-	-	-	-	-
2/9/2021	1.9	-	-	ND	-	-	-	-	-
1/29/2021	-	0.043	-	-	-	-	-	-	-
10/14/2020	-	0.031	-	-	-	-	-	-	-
9/29/2020	-	0.03	-	-	-	-	-	-	-
5/4/2020	-	0.048	-	-	-	-	-	-	-
3/6/2020	-	0.054	-	-	-	-	-	-	-
2/6/2020	-	0.052	-	-	ND	2.8	-	ND	ND
11/21/2019	-	0.053	-	-	-	-	-	-	-
8/22/2019	-	0.033	-	-	-	-	-	-	-
7/25/2019	-	-	-	-	-	3.1	-	-	-
5/17/2019	-	0.033	-	-	-	-	-	-	-
1/16/2019	-	0.044	-	-	-	2.3	-	-	-
10/16/2018	-	0.063	-	-	-	-	-	-	-
7/18/2018	-	0.052	-	-	-	2.2	-	-	-
5/29/2018	-	0.049	-	-	-	-	-	-	-
4/10/2018	-	0.06	-	-	-	-	-	-	-
2/8/2018	2.8	0.061	-	ND	-	2	-	-	-
2/13/2017	-	-	-	-	-	2.2	-	-	-
3/28/2016	-	-	-	-	-	2.2	-	-	-
2/19/2015	-	-	1	-	-	-	-	-	-
2/12/2015	1.7	-	-	ND	-	-	-	-	-
Minimum Threshold	**10**	**0.0756**	**20**	**0.2**	**13**	**10**	**20**	**5**	**5**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

NKGSA Well 1000039-002

Sample Date	Arsenic (µg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Hexavalent Chromium (µg/L)	Dibromo-Chloropropane (DBCP) (µg/L)	Methyl Tert-Butyl Ether (MTBE) (µg/L)	Nitrate as N (mg/L)	Uranium (pCi/L)	Tetrachloroethylene (PCE) (µg/L)	Trichloroethylene (TCE) (µg/L)
2022 Groundwater Quality Data									
7/8/2022	-	-	-	-	-	4.3	-	-	-
4/7/2022	1.8	-	-	-	-	-	-	-	-
2015-2021 Groundwater Quality Data									
7/19/2021	-	-	-	-	-	4	-	-	-
2/9/2021	-	ND	-	ND	-	-	-	-	-
6/16/2020	-	-	-	-	-	4	-	-	-
2/20/2020	-	-	-	-	ND	3.8	-	ND	ND
8/28/2019	-	-	-	-	-	4	-	-	-
7/25/2019	-	-	-	-	-	3.8	-	-	-
1/16/2019	2.3	-	-	-	-	4.2	-	-	-
10/12/2018	-	ND	-	-	-	-	-	-	-
7/18/2018	-	ND	-	-	-	3.8	-	-	-
4/10/2018	-	ND	-	-	-	-	-	-	-
2/8/2018	-	ND	-	ND	-	4	-	-	-
2/13/2017	-	-	-	-	-	3.8	-	-	-
3/28/2016	1.8	-	-	-	-	4.1	-	-	-
3/17/2015	-	-	-	ND	-	-	-	-	-
Minimum Threshold	**10**	**0.005**	**20**	**0.2**	**13**	**10**	**20**	**5**	**5**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

NKGSA Well 1000078-004

Sample Date	Arsenic (µg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Hexavalent Chromium (µg/L)	Dibromo-Chloropropane (DBCP) (µg/L)	Methyl Tert-Butyl Ether (MTBE) (µg/L)	Nitrate as N (mg/L)	Uranium (pCi/L)	Tetrachloroethylene (PCE) (µg/L)	Trichloroethylene (TCE) (µg/L)
2022 Groundwater Quality Data									
10/6/2022	-	-	-	-	-	9.1	-	-	-
8/22/2022	-	-	-	-	-	7.8	-	-	-
7/8/2022	-	-	-	-	-	10	-	-	-
4/14/2022	-	-	-	-	-	9.5	-	-	-
1/14/2022	-	-	-	-	-	7.7	-	-	-
2015-2021 Groundwater Quality Data									
11/17/2021	-	-	-	-	-	7.5	-	-	-
7/22/2021	-	-	-	-	-	10	-	-	-
7/20/2021	-	-	-	-	-	10	-	-	-
2/9/2021	2.1	ND	-	ND	-	-	-	-	-
6/16/2020	-	-	-	-	-	9.8	-	-	-
2/20/2020	-	-	-	-	ND	7.9	-	ND	ND
7/25/2019	-	-	-	-	-	8.6	-	-	-
1/16/2019	-	-	-	-	-	7.1	-	-	-
10/12/2018	-	ND	-	-	-	-	-	-	-
7/18/2018	-	ND	-	-	-	8.5	-	-	-
5/29/2018	-	ND	-	-	-	-	-	-	-
4/10/2018	-	ND	-	-	-	-	-	-	-
2/8/2018	2.4	ND	-	ND	-	6.9	-	-	-
2/13/2017	-	-	-	-	-	6.3	-	-	-
5/25/2016	-	-	-	-	-	8	-	-	-
3/28/2016	-	-	-	-	-	7.2	-	-	-
2/19/2015	-	-	1.2	-	-	-	-	-	-
2/12/2015	1.9	-	-	ND	-	-	-	-	-
Minimum Threshold	**10**	**0.005**	**20**	**0.2**	**13**	**12**	**20**	**5**	**5**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

NKGSA Well 1000104-001

Sample Date	Arsenic (µg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Hexavalent Chromium (µg/L)	Dibromo-Chloropropane (DBCP) (µg/L)	Methyl Tert-Butyl Ether (MTBE) (µg/L)	Nitrate as N (mg/L)	Uranium (pCi/L)	Tetrachloroethylene (PCE) (µg/L)	Trichloroethylene (TCE) (µg/L)
2022 Groundwater Quality Data									
1/17/2022	-	-	-	-	-	2.3	-	-	-
2015-2021 Groundwater Quality Data									
1/8/2021	ND	ND	-	ND	ND	1.8	-	ND	ND
1/27/2020	-	-	-	-	-	1.3	-	-	-
1/21/2019	-	-	-	-	-	1.4	-	-	-
10/17/2018	-	ND	-	-	-	-	-	-	-
7/23/2018	-	ND	-	-	-	-	-	-	-
4/20/2018	-	ND	-	-	-	-	-	-	-
2/21/2018	ND	ND	-	ND	-	1.8	-	-	-
1/16/2017	-	-	-	-	-	2	-	-	-
7/11/2016	-	ND	-	-	-	-	-	-	-
4/4/2016	-	-	-	-	-	1.8	-	-	-
4/6/2015	ND	-	-	ND	ND	-	-	ND	ND
Minimum Threshold	**10**	**0.005**	**20**	**0.2**	**13**	**10**	**20**	**5**	**5**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

NKGSA Well 1000201-001

Sample Date	Arsenic (µg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Hexavalent Chromium (µg/L)	Dibromo-Chloropropane (DBCP) (µg/L)	Methyl Tert-Butyl Ether (MTBE) (µg/L)	Nitrate as N (mg/L)	Uranium (pCi/L)	Tetrachloroethylene (PCE) (µg/L)	Trichloroethylene (TCE) (µg/L)
2022 Groundwater Quality Data									
7/18/2022	-	-	-	ND	-	3.8	-	-	-
2015-2021 Groundwater Quality Data									
10/18/2021	-	ND	-	-	-	-	-	-	-
7/19/2021	-	-	-	ND	-	3.9	-	-	-
10/19/2020	-	-	-	-	ND	-	-	ND	ND
7/20/2020	ND	-	-	ND	-	4	-	-	-
7/16/2019	-	-	-	ND	-	3.9	-	-	-
10/16/2018	-	ND	-	-	-	-	-	-	-
7/17/2018	-	ND	-	ND	-	4.1	-	-	-
4/17/2018	-	ND	-	-	-	-	-	-	-
1/16/2018	-	ND	-	-	-	-	-	-	-
7/18/2017	ND	-	-	ND	-	4.2	-	-	-
7/26/2016	-	-	-	ND	-	3.9	-	-	-
7/21/2015	-	-	-	ND	-	-	-	-	-
Minimum Threshold	**10**	**0.005**	**20**	**0.2**	**13**	**10**	**20**	**5**	**5**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

NKGSA Well 1000208-001

Sample Date	Arsenic (µg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Hexavalent Chromium (µg/L)	Dibromo-Chloropropane (DBCP) (µg/L)	Methyl Tert-Butyl Ether (MTBE) (µg/L)	Nitrate as N (mg/L)	Uranium (pCi/L)	Tetrachloroethylene (PCE) (µg/L)	Trichloroethylene (TCE) (µg/L)
2022 Groundwater Quality Data									
6/3/2022	-	-	-	ND	-	1.8	4.9	-	-
2015-2021 Groundwater Quality Data									
8/6/2021	ND	ND	-	-	ND	2	-	ND	ND
8/5/2020	-	-	-	-	-	2.3	-	-	-
8/14/2019	-	-	-	-	-	2.1	-	-	-
6/5/2019	-	-	-	ND	-	-	-	-	-
10/15/2018	-	ND	-	-	-	-	-	-	-
8/29/2018	2.4	ND	-	-	-	2.2	-	-	-
4/4/2018	-	ND	-	-	-	-	-	-	-
2/14/2018	-	ND	-	-	-	-	-	-	-
8/2/2017	-	-	-	-	-	2.2	-	-	-
8/17/2016	-	-	-	-	-	2.4	-	-	-
9/4/2015	-	-	-	ND	ND	-	-	ND	ND
8/7/2015	2.6	-	-	-	-	-	-	-	-
Minimum Threshold	**10**	**0.005**	**20**	**0.2**	**13**	**10**	**20**	**5**	**5**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

NKGSA Well 1000217-001

Sample Date	Arsenic (µg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Hexavalent Chromium (µg/L)	Dibromo-Chloropropane (DBCP) (µg/L)	Methyl Tert-Butyl Ether (MTBE) (µg/L)	Nitrate as N (mg/L)	Uranium (pCi/L)	Tetrachloroethylene (PCE) (µg/L)	Trichloroethylene (TCE) (µg/L)
2022 Groundwater Quality Data									
6/3/2022	ND	-	-	ND	-	1.4	-	-	-
2015-2021 Groundwater Quality Data									
8/6/2021	-	ND	-	-	-	1.4	-	-	-
8/5/2020	-	-	-	-	-	1.7	-	-	-
8/7/2019	2.7	-	-	ND	-	1.6	-	-	-
10/15/2018	-	ND	-	-	-	-	-	-	-
8/29/2018	-	-	-	-	-	1.5	-	-	-
7/17/2018	-	ND	-	-	-	-	-	-	-
4/18/2018	-	ND	-	-	-	-	-	-	-
2/14/2018	-	ND	-	-	-	-	-	-	-
10/4/2017	-	-	14	-	-	-	-	-	-
9/6/2017	-	-	-	-	ND	-	-	ND	ND
8/2/2017	-	-	-	-	-	1.6	-	-	-
7/12/2017	-	-	15.8	-	-	-	-	-	-
4/19/2017	-	-	15	-	-	-	-	-	-
1/18/2017	-	-	16	-	-	-	-	-	-
10/6/2016	-	-	16	-	-	-	-	-	-
8/3/2016	2.3	-	-	ND	-	1.6	-	-	-
7/14/2016	-	-	16	-	-	-	-	-	-
4/6/2016	-	-	17	-	-	-	-	-	-
1/6/2016	-	-	16	-	-	-	-	-	-
12/9/2015	-	-	-	-	-	1.6	-	-	-
10/8/2015	-	-	16	-	-	-	-	-	-
9/3/2015	-	-	-	-	ND	-	-	ND	ND
8/13/2015	2.3	-	-	-	-	-	-	-	-
8/6/2015	-	-	-	ND	-	-	-	-	-
7/21/2015	-	-	15	-	-	-	-	-	-
7/7/2015	-	-	16	-	-	-	-	-	-
5/1/2015	-	-	16	-	-	-	-	-	-
4/17/2015	-	-	15	-	-	-	-	-	-
2/19/2015	-	-	14	-	-	-	-	-	-
Minimum Threshold	**10**	**0.005**	**20**	**0.2**	**13**	**10**	**20**	**5**	**5**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

NKGSA Well 1000259-002

Sample Date	Arsenic (µg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Hexavalent Chromium (µg/L)	Dibromo-Chloropropane (DBCP) (µg/L)	Methyl Tert-Butyl Ether (MTBE) (µg/L)	Nitrate as N (mg/L)	Uranium (pCi/L)	Tetrachloroethylene (PCE) (µg/L)	Trichloroethylene (TCE) (µg/L)
2022 Groundwater Quality Data									
11/21/2022	5.4	ND	-	ND	-	0.2	-	-	-
2015-2021 Groundwater Quality Data									
12/8/2021	-	-	-	-	-	ND	-	-	-
12/21/2020	-	-	-	-	-	ND	-	-	-
11/22/2019	5.5	-	-	ND	-	ND	-	-	-
5/29/2019	-	ND	-	-	ND	ND	-	ND	ND
2/27/2019	-	ND	-	-	-	-	-	-	-
8/24/2018	-	ND	-	-	-	-	-	-	-
4/24/2018	-	-	-	-	-	ND	-	-	-
3/27/2018	-	ND	-	-	-	-	-	-	-
12/19/2017	-	-	-	-	-	ND	-	-	-
12/20/2016	5.7	-	ND	ND	-	ND	-	-	-
Minimum Threshold	**10**	**0.005**	**20**	**0.2**	**13**	**10**	**20**	**5**	**5**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

NKGSA Well 1000279-002

Sample Date	Arsenic (µg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Hexavalent Chromium (µg/L)	Dibromo-Chloropropane (DBCP) (µg/L)	Methyl Tert-Butyl Ether (MTBE) (µg/L)	Nitrate as N (mg/L)	Uranium (pCi/L)	Tetrachloroethylene (PCE) (µg/L)	Trichloroethylene (TCE) (µg/L)
2022 Groundwater Quality Data									
10/27/2022	-	0.014	-	-	-	-	-	-	-
7/27/2022	-	0.08	-	-	-	-	-	-	-
4/27/2022	-	0.045	-	-	-	-	-	-	-
1/28/2022	-	0.0076	-	0.072	-	2.3	-	-	-
2015-2021 Groundwater Quality Data									
10/29/2021	-	0.012	-	-	-	-	-	-	-
7/27/2021	-	0.015	-	-	-	-	-	-	-
4/22/2021	-	0.011	-	-	-	-	-	-	-
1/26/2021	-	0.007	-	0.072	-	2.3	-	-	-
10/23/2020	-	0.026	-	-	-	-	-	-	-
8/3/2020	-	ND	-	-	-	-	-	-	-
7/23/2020	-	0.056	-	-	-	-	-	-	-
4/22/2020	-	0.006	-	-	-	-	-	-	-
1/22/2020	2.7	ND	-	0.062	-	1.8	-	-	-
10/23/2019	-	0.005	-	-	-	-	-	-	-
7/24/2019	-	ND	-	-	-	-	-	-	-
2/20/2019	-	0.005	-	-	-	-	-	-	-
12/19/2018	-	-	-	-	-	2	-	-	-
10/9/2018	-	0.007	-	-	-	-	-	-	-
6/21/2018	-	0.01	-	-	-	-	-	-	-
6/15/2018	-	0.007	-	-	-	-	-	-	-
5/11/2018	-	0.075	-	-	-	-	-	-	-
4/20/2018	-	0.008	-	-	-	-	-	-	-
3/29/2018	-	ND	-	-	-	-	-	-	-
3/28/2018	-	ND	-	-	-	-	-	-	-
3/8/2018	-	ND	-	-	-	-	-	-	-
3/1/2018	-	-	-	0.074	-	-	-	-	-
2/21/2018	-	0.031	-	-	-	-	-	-	-
12/13/2017	-	-	-	-	-	1.9	-	-	-
5/24/2017	-	-	-	-	ND	-	-	ND	ND
2/15/2017	ND	-	-	0.088	-	-	-	-	-
12/21/2016	-	-	-	-	-	2.1	-	-	-
12/16/2015	-	-	-	-	-	2.1	-	-	-
Minimum Threshold	**10**	**0.09**	**20**	**0.2**	**13**	**10**	**20**	**5**	**5**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

NKGSA Well 1000362-003

Sample Date	Arsenic (µg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Hexavalent Chromium (µg/L)	Dibromo-Chloropropane (DBCP) (µg/L)	Methyl Tert-Butyl Ether (MTBE) (µg/L)	Nitrate as N (mg/L)	Uranium (pCi/L)	Tetrachloroethylene (PCE) (µg/L)	Trichloroethylene (TCE) (µg/L)
2022 Groundwater Quality Data									
12/14/2022	-	-	-	-	-	-	5.9	-	-
1/19/2022	-	-	-	-	-	1.7	-	-	-
2015-2021 Groundwater Quality Data									
1/28/2021	3.1	ND	-	ND	ND	1.8	-	ND	ND
1/27/2020	-	-	-	-	-	1.9	-	-	-
1/18/2019	-	-	-	-	-	1.7	-	-	-
10/23/2018	-	ND	-	-	-	-	-	-	-
7/23/2018	-	ND	-	-	-	-	-	-	-
4/20/2018	-	ND	-	-	-	-	-	-	-
2/23/2018	4.8	ND	-	ND	-	2.1	-	-	-
8/7/2017	-	-	-	-	-	2.5	-	-	-
3/31/2017	-	ND	-	-	-	-	-	-	-
9/19/2016	-	-	-	-	-	1.8	-	-	-
11/9/2015	-	-	-	-	-	1.8	-	-	-
7/13/2015	ND	-	-	ND	ND	-	-	ND	ND
Minimum Threshold	**10**	**0.005**	**20**	**0.2**	**13**	**10**	**20**	**5**	**5**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

NKGSA Well 1000366-001

Sample Date	Arsenic (µg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Hexavalent Chromium (µg/L)	Dibromo-Chloropropane (DBCP) (µg/L)	Methyl Tert-Butyl Ether (MTBE) (µg/L)	Nitrate as N (mg/L)	Uranium (pCi/L)	Tetrachloroethylene (PCE) (µg/L)	Trichloroethylene (TCE) (µg/L)
2022 Groundwater Quality Data									
2/28/2022	-	ND	-	0.045	ND	-	-	ND	ND
2015-2021 Groundwater Quality Data									
7/15/2021	-	-	-	-	-	5.1	-	-	-
7/17/2020	-	-	-	-	-	3.3	-	-	-
7/22/2019	1.4	-	-	-	-	3.3	-	-	-
1/14/2019	-	ND	-	ND	-	-	-	-	-
10/22/2018	-	ND	-	ND	-	2.9	-	-	-
7/16/2018	-	ND	-	ND	-	-	-	-	-
4/19/2018	-	ND	-	ND	-	-	-	-	-
3/29/2018	-	ND	-	ND	-	-	-	-	-
10/16/2017	-	-	-	ND	-	2.9	-	-	-
7/17/2017	-	-	-	ND	-	-	-	-	-
4/14/2017	-	-	-	ND	-	-	-	-	-
1/12/2017	-	-	-	ND	-	-	-	-	-
10/13/2016	-	-	-	ND	-	2.9	-	-	-
7/29/2016	-	-	-	ND	-	-	-	-	-
6/23/2016	-	-	-	ND	-	-	-	-	-
4/28/2016	-	-	-	ND	-	-	-	-	-
1/28/2016	ND	-	-	ND	ND	2.8	-	ND	ND
10/22/2015	-	-	-	ND	-	3	-	-	-
7/30/2015	-	-	-	ND	-	-	-	-	-
4/23/2015	-	-	-	ND	-	-	-	-	-
1/22/2015	-	-	-	ND	-	-	-	-	-
Minimum Threshold	**10**	**0.005**	**20**	**0.2**	**13**	**10**	**20**	**5**	**5**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

NKGSA Well 1000447-067

Sample Date	Arsenic (µg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Hexavalent Chromium (µg/L)	Dibromo-Chloropropane (DBCP) (µg/L)	Methyl Tert-Butyl Ether (MTBE) (µg/L)	Nitrate as N (mg/L)	Uranium (pCi/L)	Tetrachloroethylene (PCE) (µg/L)	Trichloroethylene (TCE) (µg/L)
2022 Groundwater Quality Data									
1/20/2022	2	-	-	ND	-	2.3	-	-	-
2015-2021 Groundwater Quality Data									
10/7/2021	-	ND	-	-	-	-	-	-	-
1/19/2021	-	-	-	-	-	2.4	-	-	-
1/15/2020	-	-	-	-	-	2.3	-	-	-
1/18/2019	2.4	-	-	ND	-	2.2	-	-	-
10/4/2018	-	ND	-	-	-	-	-	-	-
7/19/2018	-	ND	-	-	-	-	-	-	-
4/23/2018	-	ND	-	-	-	-	-	-	-
1/25/2018	-	ND	-	-	-	2.2	-	-	-
1/27/2017	-	-	-	-	ND	-	-	ND	ND
1/24/2017	-	-	-	-	-	2.3	-	-	-
8/11/2016	-	ND	-	-	-	-	-	-	-
2/22/2016	-	-	-	-	-	2.2	-	-	-
1/26/2016	2.1	-	-	ND	-	-	-	-	-
Minimum Threshold	**10**	**0.005**	**20**	**0.2**	**13**	**10**	**20**	**5**	**5**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

NKGSA Well 1000467-001

Sample Date	Arsenic (µg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Hexavalent Chromium (µg/L)	Dibromo-Chloropropane (DBCP) (µg/L)	Methyl Tert-Butyl Ether (MTBE) (µg/L)	Nitrate as N (mg/L)	Uranium (pCi/L)	Tetrachloroethylene (PCE) (µg/L)	Trichloroethylene (TCE) (µg/L)
2022 Groundwater Quality Data									
12/14/2022	-	-	-	-	-	0.6	-	-	-
3/21/2022	-	-	-	0.03	-	-	-	-	-
1/27/2022	-	-	-	ND	-	-	-	-	-
2015-2021 Groundwater Quality Data									
11/24/2021	-	-	-	-	ND	-	-	ND	ND
10/26/2021	4	ND	-	-	-	0.75	-	-	-
3/31/2021	-	-	-	-	-	3.6	-	-	-
2/2/2021	-	-	-	-	-	0.87	-	-	-
1/5/2021	-	-	-	0.038	-	-	-	-	-
5/5/2020	-	-	-	-	-	0.85	-	-	-
3/3/2020	-	-	-	0.025	-	-	-	-	-
1/7/2020	-	-	-	-	-	0.82	-	-	-
1/28/2019	-	-	-	0.015	-	-	-	-	-
10/17/2018	4.2	ND	-	-	-	-	-	-	-
7/16/2018	-	ND	-	-	-	-	-	-	-
4/16/2018	-	ND	-	-	-	-	-	-	-
2/12/2018	-	ND	-	-	-	ND	-	-	-
1/3/2018	-	-	-	0.027	-	-	-	-	-
12/20/2017	-	-	-	-	-	0.72	-	-	-
2/13/2017	-	-	-	-	-	0.5	-	-	-
1/23/2017	-	-	-	ND	-	-	-	-	-
12/5/2016	-	-	-	-	-	0.63	-	-	-
6/6/2016	-	-	-	-	-	0.63	-	-	-
1/18/2016	-	-	-	ND	-	-	-	-	-
12/14/2015	-	-	-	-	-	0.56	-	-	-
11/23/2015	-	-	-	-	ND	-	-	ND	ND
10/6/2015	4.1	-	-	ND	-	-	-	-	-
7/14/2015	-	-	-	ND	-	-	-	-	-
4/2/2015	-	-	0.33	-	-	-	-	-	-
Minimum Threshold	**10**	**0.005**	**20**	**0.2**	**13**	**10**	**20**	**5**	**5**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

NKGSA Well 1000492-001

Sample Date	Arsenic (µg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Hexavalent Chromium (µg/L)	Dibromo-Chloropropane (DBCP) (µg/L)	Methyl Tert-Butyl Ether (MTBE) (µg/L)	Nitrate as N (mg/L)	Uranium (pCi/L)	Tetrachloroethylene (PCE) (µg/L)	Trichloroethylene (TCE) (µg/L)
2022 Groundwater Quality Data									
9/30/2022	-	-	-	-	-	7.2	-	-	-
6/21/2022	-	-	-	-	-	8.4	-	-	-
2015-2021 Groundwater Quality Data									
9/30/2021	-	-	-	-	-	4.6	-	-	-
2/12/2021	-	-	-	-	-	2.6	-	-	-
12/31/2019	-	-	-	-	-	2.6	-	-	-
5/31/2018	-	-	-	-	-	1.9	-	-	-
4/3/2018	-	-	-	-	-	1.9	-	-	-
6/7/2016	-	-	-	-	-	0.57	-	-	-
Minimum Threshold	**10**	**0.005**	**20**	**0.2**	**13**	**10**	**20**	**5**	**5**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

NKGSA Well 1000514-003

Sample Date	Arsenic (µg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Hexavalent Chromium (µg/L)	Dibromo-Chloropropane (DBCP) (µg/L)	Methyl Tert-Butyl Ether (MTBE) (µg/L)	Nitrate as N (mg/L)	Uranium (pCi/L)	Tetrachloroethylene (PCE) (µg/L)	Trichloroethylene (TCE) (µg/L)
2022 Groundwater Quality Data									
2015-2021 Groundwater Quality Data									
1/8/2021	ND	-	-	-	-	ND	-	-	-
1/15/2020	-	-	-	-	-	2.5	-	-	-
9/24/2019	-	ND	-	ND	ND	-	-	ND	ND
4/29/2019	-	ND	-	ND	ND	-	-	ND	ND
1/9/2019	-	ND	-	ND	ND	4.1	-	ND	ND
12/19/2018	-	ND	-	ND	ND	-	-	ND	ND
8/30/2018	ND	ND	-	ND	ND	ND	-	ND	ND
Minimum Threshold	**10**	**0.005**	**20**	**0.2**	**13**	**10**	**20**	**5**	**5**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

NKGSA Well 1000552-001

Sample Date	Arsenic (µg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Hexavalent Chromium (µg/L)	Dibromo-Chloropropane (DBCP) (µg/L)	Methyl Tert-Butyl Ether (MTBE) (µg/L)	Nitrate as N (mg/L)	Uranium (pCi/L)	Tetrachloroethylene (PCE) (µg/L)	Trichloroethylene (TCE) (µg/L)
2022 Groundwater Quality Data									
12/19/2022	-	-	-	-	-	2.5	-	-	-
2015-2021 Groundwater Quality Data									
12/27/2021	-	-	-	-	-	1.8	-	-	-
12/27/2020	-	-	-	-	-	1.5	-	-	-
12/29/2019	-	-	-	-	-	1.1	-	-	-
9/29/2016	-	-	-	-	-	1.8	-	-	-
12/30/2015	-	-	-	-	-	2.3	-	-	-
Minimum Threshold	**10**	**0.005**	**20**	**0.2**	**13**	**10**	**20**	**5**	**5**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

NKGSA Well 1000554-002

Sample Date	Arsenic (µg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Hexavalent Chromium (µg/L)	Dibromo-Chloropropane (DBCP) (µg/L)	Methyl Tert-Butyl Ether (MTBE) (µg/L)	Nitrate as N (mg/L)	Uranium (pCi/L)	Tetrachloroethylene (PCE) (µg/L)	Trichloroethylene (TCE) (µg/L)
2022 Groundwater Quality Data									
12/6/2022	-	-	-	-	-	11	-	-	-
11/16/2022	-	-	-	-	-	11	-	-	-
10/18/2022	-	-	-	-	-	9	-	-	-
9/6/2022	-	-	-	-	-	4.1	-	-	-
8/2/2022	-	-	-	-	-	7.9	-	-	-
7/5/2022	-	-	-	-	-	4.4	-	-	-
5/2/2022	-	-	-	-	-	9.8	-	-	-
4/25/2022	-	-	-	-	-	12	-	-	-
3/7/2022	-	ND	-	-	-	11	-	-	-
2/1/2022	-	-	-	-	-	11	-	-	-
1/3/2022	-	-	-	-	-	11	-	-	-
2015-2021 Groundwater Quality Data									
12/6/2021	-	ND	-	-	-	9.9	-	-	-
11/1/2021	-	-	-	-	-	9.9	-	-	-
10/12/2021	-	-	-	-	-	9	-	-	-
9/7/2021	-	-	-	-	-	9.4	-	-	-
7/12/2021	-	-	-	-	-	8	-	-	-
6/1/2021	-	-	-	-	-	9.2	-	-	-
5/3/2021	-	-	-	-	-	9.7	-	-	-
4/6/2021	-	-	-	-	-	11	-	-	-
3/1/2021	-	-	-	-	-	11	-	-	-
2/17/2021	-	-	-	-	-	10	-	-	-
2/1/2021	-	-	-	-	-	11	-	-	-
1/4/2021	-	-	-	-	-	10	-	-	-
12/7/2020	-	-	-	-	-	10	-	-	-
12/1/2020	-	-	-	-	-	10	-	-	-
2/4/2020	1.6	-	-	ND	-	9.8	-	-	-
12/16/2019	-	-	-	-	-	9.8	-	-	-
7/8/2019	-	-	-	-	-	7.1	-	-	-
4/18/2019	-	-	-	-	-	8.2	-	-	-
1/30/2019	-	ND	-	-	-	6.9	-	-	-
12/10/2018	-	ND	-	-	-	-	-	-	-
11/30/2018	-	-	-	-	-	6.1	-	-	-
6/28/2018	-	-	-	-	-	6.2	-	-	-
4/16/2018	-	ND	-	-	-	-	-	-	-
1/22/2018	-	-	-	-	-	6.2	-	-	-
1/5/2018	-	ND	-	-	-	6.1	-	-	-
3/22/2017	1.8	-	-	ND	ND	5.8	-	ND	ND
5/19/2016	-	-	-	-	-	5.7	-	-	-
Minimum Threshold	**10**	**0.005**	**20**	**0.2**	**13**	**13.2**	**20**	**5**	**5**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

NKGSA Well 1000555-002

Sample Date	Arsenic (µg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Hexavalent Chromium (µg/L)	Dibromo-Chloropropane (DBCP) (µg/L)	Methyl Tert-Butyl Ether (MTBE) (µg/L)	Nitrate as N (mg/L)	Uranium (pCi/L)	Tetrachloroethylene (PCE) (µg/L)	Trichloroethylene (TCE) (µg/L)
2022 Groundwater Quality Data									
7/18/2022	-	-	-	-	-	5.9	-	-	-
2015-2021 Groundwater Quality Data									
3/12/2021	-	-	-	-	-	5.6	-	-	-
1/29/2021	-	-	-	-	-	5.7	-	-	-
12/17/2020	-	-	-	-	-	5.5	-	-	-
1/27/2020	2.3	-	-	-	ND	5.5	-	ND	ND
3/21/2019	-	ND	-	-	-	-	-	-	-
1/10/2019	-	-	-	-	-	5.1	-	-	-
12/10/2018	-	ND	-	-	-	-	-	-	-
6/28/2018	-	-	-	-	-	5.4	-	-	-
4/16/2018	-	ND	-	-	-	-	-	-	-
1/22/2018	-	-	-	-	-	5.4	-	-	-
1/5/2018	-	ND	-	-	-	5.3	-	-	-
4/14/2017	-	-	-	-	-	5.3	-	-	-
2/9/2017	2.3	-	-	-	-	5	-	-	-
10/28/2016	-	-	-	-	-	5.5	-	-	-
6/9/2016	-	-	-	-	-	5.7	-	-	-
3/18/2016	-	-	-	-	-	5.2	-	-	-
1/8/2016	-	-	-	-	-	5.4	-	-	-
Minimum Threshold	**10**	**0.005**	**20**	**0.2**	**13**	**10**	**20**	**5**	**5**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

NKGSA Well 1000578-001

Sample Date	Arsenic (µg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Hexavalent Chromium (µg/L)	Dibromo-Chloropropane (DBCP) (µg/L)	Methyl Tert-Butyl Ether (MTBE) (µg/L)	Nitrate as N (mg/L)	Uranium (pCi/L)	Tetrachloroethylene (PCE) (µg/L)	Trichloroethylene (TCE) (µg/L)
2022 Groundwater Quality Data									
2015-2021 Groundwater Quality Data									
1/29/2021	-	-	-	-	-	ND	-	-	-
3/25/2020	-	-	-	ND	-	-	-	-	-
1/24/2020	2.4	-	-	-	-	ND	-	-	-
11/22/2019	-	ND	-	-	ND	-	-	ND	ND
2/27/2019	-	ND	-	ND	-	-	-	-	-
8/24/2018	-	ND	-	-	-	-	-	-	-
4/24/2018	-	-	-	-	-	0.54	-	-	-
3/27/2018	-	ND	-	-	-	-	-	-	-
12/19/2017	-	-	-	-	-	ND	-	-	-
12/20/2016	1.9	-	ND	ND	-	0.48	-	-	-
11/20/2015	-	-	-	-	-	0.81	-	-	-
3/27/2015	-	-	-	0.042	-	-	-	-	-
Minimum Threshold	**10**	**0.005**	**20**	**0.2**	**13**	**10**	**20**	**5**	**5**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

NKGSA Well 1000632-001

Sample Date	Arsenic (µg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Hexavalent Chromium (µg/L)	Dibromo-Chloropropane (DBCP) (µg/L)	Methyl Tert-Butyl Ether (MTBE) (µg/L)	Nitrate as N (mg/L)	Uranium (pCi/L)	Tetrachloroethylene (PCE) (µg/L)	Trichloroethylene (TCE) (µg/L)
2022 Groundwater Quality Data									
2015-2021 Groundwater Quality Data									
12/2/2020	-	-	-	-	-	1.4	-	-	-
12/17/2019	9.9	-	-	-	-	2.6	-	-	-
1/29/2019	-	-	-	-	ND	-	-	ND	ND
12/18/2018	-	-	-	-	ND	1.7	-	ND	ND
10/10/2018	-	ND	-	-	-	-	-	-	-
7/17/2018	-	ND	-	-	-	-	-	-	-
4/17/2018	-	ND	-	-	-	-	-	-	-
2/20/2018	-	ND	-	-	-	-	-	-	-
12/11/2017	-	-	-	-	-	2.2	-	-	-
11/20/2017	-	-	-	-	ND	-	-	ND	ND
11/15/2016	-	-	-	-	-	-	10	-	-
7/12/2016	7.2	-	ND	-	ND	2.2	-	ND	ND
Minimum Threshold	**10**	**0.005**	**20**	**0.2**	**13**	**10**	**20**	**5**	**5**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

NKGSA Well 1010003-050

Sample Date	Arsenic (µg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Hexavalent Chromium (µg/L)	Dibromo-Chloropropane (DBCP) (µg/L)	Methyl Tert-Butyl Ether (MTBE) (µg/L)	Nitrate as N (mg/L)	Uranium (pCi/L)	Tetrachloroethylene (PCE) (µg/L)	Trichloroethylene (TCE) (µg/L)
2022 Groundwater Quality Data									
11/1/2022	-	-	-	-	-	8.6	-	-	-
10/6/2022	-	-	-	-	-	8.8	-	-	-
7/7/2022	ND	-	-	ND	ND	7.2	-	ND	ND
4/4/2022	-	-	-	ND	-	7.8	-	-	-
1/12/2022	-	ND	-	-	-	5.9	-	-	-
2015-2021 Groundwater Quality Data									
10/8/2021	-	-	-	-	-	5.6	-	-	-
7/9/2021	ND	-	-	-	-	7.4	-	-	-
4/6/2021	-	-	-	-	-	8	-	-	-
1/7/2021	-	-	-	-	-	8.7	-	-	-
10/6/2020	-	-	-	-	-	7.7	-	-	-
7/6/2020	ND	-	-	-	-	8.1	-	-	-
4/2/2020	-	-	-	-	-	7.1	-	-	-
1/2/2020	-	-	-	-	-	4.7	-	-	-
10/4/2019	-	-	-	-	-	5.6	-	-	-
7/5/2019	ND	-	-	ND	ND	6.6	-	ND	ND
4/11/2019	-	-	-	ND	-	5.8	-	-	-
1/9/2019	-	ND	-	-	-	4.8	-	-	-
10/17/2018	-	ND	-	-	-	6.2	-	-	-
9/7/2018	ND	ND	-	-	-	7.4	-	-	-
6/5/2018	-	ND	-	-	-	6.5	-	-	-
3/8/2018	-	-	-	-	-	7.2	-	-	-
3/7/2018	-	ND	-	-	-	-	-	-	-
12/7/2017	-	-	-	-	-	6	-	-	-
9/7/2017	ND	-	-	-	-	5.6	-	-	-
6/5/2017	-	-	-	-	-	7	-	-	-
3/9/2017	-	-	-	-	-	7.7	-	-	-
12/9/2016	-	-	-	-	-	6.1	-	-	-
9/12/2016	ND	-	-	ND	ND	6.6	-	ND	ND
6/17/2016	-	-	-	ND	-	7.9	-	-	-
5/19/2016	-	ND	-	-	-	-	-	-	-
3/3/2016	-	-	-	-	-	6.3	-	-	-
12/3/2015	-	-	-	-	-	5.8	-	-	-
9/16/2015	ND	-	-	-	-	8.6	-	-	-
Minimum Threshold	**10**	**0.005**	**20**	**0.2**	**13**	**10**	**20**	**5**	**5**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

NKGSA Well 1010007-019

Sample Date	Arsenic (µg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Hexavalent Chromium (µg/L)	Dibromo-Chloropropane (DBCP) (µg/L)	Methyl Tert-Butyl Ether (MTBE) (µg/L)	Nitrate as N (mg/L)	Uranium (pCi/L)	Tetrachloroethylene (PCE) (µg/L)	Trichloroethylene (TCE) (µg/L)
2022 Groundwater Quality Data									
1/13/2022	-	-	-	-	-	3.1	-	-	-
2015-2021 Groundwater Quality Data									
2/9/2021	-	-	-	-	-	2.2	-	-	-
8/18/2020	ND	ND	2.3	ND	ND	5.4	-	ND	ND
3/17/2020	-	-	-	-	-	2.1	-	-	-
3/20/2019	-	-	-	-	-	3.1	-	-	-
11/5/2018	-	-	-	-	-	5.1	-	-	-
8/23/2018	-	-	-	-	-	5.6	-	-	-
7/10/2018	-	ND	-	-	-	-	-	-	-
4/25/2018	-	-	-	-	-	5.6	-	-	-
4/12/2018	-	ND	-	-	-	-	-	-	-
2/5/2018	-	-	-	-	-	5.6	-	-	-
3/6/2017	ND	ND	3.6	ND	ND	4.3	-	ND	ND
12/30/2016	-	ND	-	-	-	-	-	-	-
3/10/2016	-	-	-	-	-	4.7	-	-	-
Minimum Threshold	**10**	**0.005**	**20**	**0.2**	**13**	**10**	**20**	**5**	**5**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

NKGSA Well 1010007-099

Sample Date	Arsenic (µg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Hexavalent Chromium (µg/L)	Dibromo-Chloropropane (DBCP) (µg/L)	Methyl Tert-Butyl Ether (MTBE) (µg/L)	Nitrate as N (mg/L)	Uranium (pCi/L)	Tetrachloroethylene (PCE) (µg/L)	Trichloroethylene (TCE) (µg/L)
2022 Groundwater Quality Data									
12/8/2022	-	-	-	-	ND	2.6	-	ND	8.5
11/10/2022	-	-	-	-	ND	2.4	-	ND	7.9
10/20/2022	-	-	-	-	ND	2.8	-	ND	8.8
9/23/2022	-	-	-	-	ND	2.7	-	ND	8.3
8/18/2022	-	-	-	-	ND	2.6	-	ND	8.3
8/9/2022	-	-	-	-	ND	-	-	ND	6.4
7/20/2022	-	-	-	-	ND	2.6	-	ND	8.1
7/6/2022	-	-	-	-	ND	-	-	ND	7.9
6/30/2022	-	-	-	-	-	2.8	-	-	-
6/14/2022	-	-	-	-	ND	-	-	ND	7.4
5/27/2022	-	-	-	-	-	2.6	-	-	-
5/5/2022	-	-	-	-	ND	-	-	ND	7.7
4/15/2022	-	-	-	-	ND	2.3	-	ND	6.2
4/8/2022	-	-	-	-	ND	1.5	-	ND	4.3
2015-2021 Groundwater Quality Data									
11/18/2021	-	-	-	-	ND	2.5	-	ND	7
10/14/2021	-	-	-	-	ND	2.8	-	ND	7.6
9/17/2021	-	-	-	-	ND	2.8	-	ND	7.5
7/14/2021	-	-	-	-	ND	2.7	-	ND	7.9
6/17/2021	-	-	-	-	ND	2.7	-	ND	7
5/21/2021	-	-	-	-	ND	2.5	-	ND	8.3
4/16/2021	-	-	-	-	ND	2.6	-	ND	7.6
3/12/2021	-	-	-	-	ND	2.7	-	ND	9.2
2/18/2021	-	-	-	-	ND	2.3	-	ND	9
1/15/2021	-	-	-	-	ND	2.7	-	ND	9.1
12/30/2020	-	-	-	-	ND	2.5	-	0.62	6.3
9/17/2020	-	-	-	-	ND	-	-	ND	8.3
8/18/2020	-	-	-	-	ND	2.7	-	ND	8.9
8/14/2020	2.4	ND	3.8	ND	ND	2.6	-	ND	9.1
7/17/2020	-	-	-	-	ND	2.4	-	ND	9.3
6/16/2020	-	-	-	-	ND	2.4	-	ND	8
5/21/2020	-	-	-	-	ND	2.5	-	ND	9
4/22/2020	-	-	-	-	ND	2.5	-	ND	8.6
3/24/2020	-	-	-	-	ND	2.3	-	ND	8.4
3/19/2020	-	-	-	-	-	2.4	-	-	-
2/20/2020	-	-	-	-	ND	2.3	-	ND	9.1
1/15/2020	-	-	-	-	ND	2.3	-	ND	9.1
12/12/2019	-	-	-	-	ND	2.3	-	ND	9
11/26/2019	-	-	-	-	ND	2.3	-	ND	8.1
11/19/2019	-	-	-	-	ND	2.3	-	ND	7.8
8/14/2019	-	-	-	-	ND	2.2	-	ND	8.9
7/17/2019	-	-	-	-	ND	2.4	-	ND	8.2
6/17/2019	-	-	-	-	ND	2.4	-	ND	9.2
5/21/2019	-	-	-	-	ND	2.3	-	ND	10
5/6/2019	-	ND	-	-	-	-	-	-	-
4/11/2019	-	-	-	-	ND	2.3	-	ND	11
3/20/2019	-	-	-	-	ND	2.3	-	ND	10
2/21/2019	-	-	-	-	ND	2.3	-	ND	9.6
1/24/2019	-	-	-	-	ND	2.2	-	ND	8.8
12/19/2018	-	-	-	-	ND	2.2	-	ND	9.7
11/20/2018	-	-	-	-	ND	2.2	-	ND	10
10/25/2018	-	-	-	-	-	2.4	-	-	-
10/24/2018	-	-	-	-	ND	-	-	ND	10
10/4/2018	-	ND	-	-	-	-	-	-	-
9/26/2018	-	-	-	-	ND	2.2	-	ND	10
8/16/2018	-	-	-	-	ND	-	-	ND	9.9
8/10/2018	-	-	-	-	-	2.3	-	-	-
7/27/2018	-	-	-	-	ND	2.4	-	ND	10
7/6/2018	-	ND	-	-	-	-	-	-	-

NKGSA Well 1010007-099

Sample Date	Arsenic (µg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Hexavalent Chromium (µg/L)	Dibromo-Chloropropane (DBCP) (µg/L)	Methyl Tert-Butyl Ether (MTBE) (µg/L)	Nitrate as N (mg/L)	Uranium (pCi/L)	Tetrachloroethylene (PCE) (µg/L)	Trichloroethylene (TCE) (µg/L)
3/19/2018	-	-	-	-	-	2.2	-	-	-
3/16/2018	-	-	-	-	ND	-	-	ND	11
3/14/2018	-	ND	-	-	-	-	-	-	-
2/15/2018	-	-	-	-	ND	2.2	-	ND	11
1/26/2018	-	-	-	-	-	2.4	9.6	-	-
1/23/2018	-	-	-	-	ND	2.4	-	ND	11
12/13/2017	-	-	-	-	ND	2.3	-	ND	11
11/16/2017	-	-	-	-	ND	2.3	-	ND	9.9
10/25/2017	-	-	-	-	ND	2.3	-	ND	8.7
9/20/2017	-	-	-	-	ND	2.1	-	ND	10
9/19/2017	ND	ND	4.1	ND	-	2.2	-	-	-
8/21/2017	-	-	-	-	ND	2.1	-	ND	10
7/19/2017	-	-	-	-	ND	2.5	-	ND	9.1
6/21/2017	-	-	-	-	ND	2.4	-	ND	9
5/25/2017	-	-	-	-	ND	2.3	-	ND	9.3
4/25/2017	-	-	-	-	ND	2.3	-	ND	8.8
3/30/2017	-	-	-	-	ND	2.2	-	ND	8.9
11/22/2016	-	-	-	-	ND	2.2	-	ND	12
10/27/2016	-	-	-	-	ND	2.3	-	ND	12
9/29/2016	-	-	-	-	ND	2.3	-	ND	14
8/30/2016	-	-	-	-	ND	2.3	-	ND	14
7/27/2016	-	-	-	-	ND	2.3	-	ND	19
6/23/2016	-	-	-	-	ND	1.7	-	ND	14
5/25/2016	-	-	-	-	ND	2.2	-	ND	14
4/28/2016	-	-	-	-	ND	2.2	-	ND	15
3/23/2016	-	-	-	-	ND	2.2	-	ND	17
2/26/2016	-	-	-	-	ND	2.4	-	ND	21
12/9/2015	-	-	-	-	ND	-	-	ND	18
11/18/2015	-	-	-	-	ND	-	-	ND	17
10/22/2015	-	-	-	-	ND	-	-	ND	19
9/18/2015	-	-	-	-	ND	-	-	ND	19
8/12/2015	-	-	-	-	ND	-	-	ND	18
7/15/2015	-	-	-	-	ND	-	-	ND	16
6/17/2015	-	-	-	-	ND	-	-	ND	18
5/19/2015	-	-	-	-	ND	-	-	ND	18
2/18/2015	-	-	-	-	ND	-	-	ND	17
2/4/2015	-	-	-	-	ND	-	-	ND	15
1/8/2015	-	-	-	-	ND	-	-	ND	15
Minimum Threshold	**10**	**0.005**	**20**	**0.2**	**13**	**10**	**20**	**5**	**25.2**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

NKGSA Well 1010007-147

Sample Date	Arsenic (µg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Hexavalent Chromium (µg/L)	Dibromo-Chloropropane (DBCP) (µg/L)	Methyl Tert-Butyl Ether (MTBE) (µg/L)	Nitrate as N (mg/L)	Uranium (pCi/L)	Tetrachloroethylene (PCE) (µg/L)	Trichloroethylene (TCE) (µg/L)
2022 Groundwater Quality Data									
7/6/2022	-	0.0082	-	-	-	-	-	-	-
6/1/2022	-	0.0053	-	-	-	-	-	-	-
5/11/2022	-	0.0057	-	-	-	-	-	-	-
4/28/2022	-	0.0058	-	-	-	-	-	-	-
4/5/2022	-	0.006	-	-	-	-	-	-	-
3/3/2022	-	0.0056	-	-	-	-	-	-	-
2/1/2022	-	0.0048	-	-	-	-	-	-	-
1/25/2022	-	0.0046	-	-	-	-	-	-	-
1/21/2022	-	-	-	-	-	4.8	-	-	-
2015-2021 Groundwater Quality Data									
12/9/2021	-	0.0048	-	-	-	-	-	-	-
11/5/2021	-	0.0044	-	-	-	-	-	-	-
10/25/2021	-	0.004	-	-	-	-	-	-	-
10/1/2021	-	0.0049	-	-	-	-	-	-	-
9/3/2021	-	0.005	-	-	-	-	-	-	-
8/12/2021	-	0.0044	-	-	-	-	-	-	-
7/13/2021	-	0.005	-	-	-	-	-	-	-
7/2/2021	-	0.007	-	-	-	-	-	-	-
1/27/2021	-	-	-	-	-	4.7	-	-	-
8/21/2020	ND	ND	4.5	ND	ND	4.5	-	ND	ND
3/5/2020	-	-	-	-	-	4.4	-	-	-
3/19/2019	-	-	-	-	-	3.6	-	-	-
3/22/2018	-	ND	-	-	-	-	-	-	-
2/7/2018	-	-	-	-	-	3.6	-	-	-
1/27/2017	ND	ND	4.2	ND	ND	3.8	-	ND	ND
1/20/2017	-	-	-	-	-	-	1.7	-	-
12/12/2016	-	ND	-	-	-	-	-	-	-
9/16/2016	-	ND	-	-	-	-	-	-	-
5/18/2016	-	ND	-	-	-	-	-	-	-
3/7/2016	-	-	-	-	-	4.2	-	-	-
Minimum Threshold	**10**	**0.0084**	**20**	**0.2**	**13**	**10**	**20**	**5**	**5**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

NKGSA Well 1010007-178

Sample Date	Arsenic (µg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Hexavalent Chromium (µg/L)	Dibromo-Chloropropane (DBCP) (µg/L)	Methyl Tert-Butyl Ether (MTBE) (µg/L)	Nitrate as N (mg/L)	Uranium (pCi/L)	Tetrachloroethylene (PCE) (µg/L)	Trichloroethylene (TCE) (µg/L)
2022 Groundwater Quality Data									
1/14/2022	-	-	-	-	-	2.6	-	-	-
2015-2021 Groundwater Quality Data									
1/27/2021	-	-	-	-	-	2.5	-	-	-
8/11/2020	ND	ND	3.1	ND	ND	2.6	-	ND	ND
3/5/2020	-	-	-	-	-	2.7	-	-	-
11/22/2019	-	-	-	-	-	2.4	-	-	-
9/18/2019	-	-	-	-	-	2.5	-	-	-
7/17/2018	-	ND	-	-	-	-	-	-	-
4/17/2018	-	ND	-	-	-	-	-	-	-
2/7/2018	-	-	-	-	-	2.7	-	-	-
3/13/2017	ND	ND	3.1	ND	ND	2.8	-	ND	ND
12/27/2016	-	ND	-	-	-	-	-	-	-
3/11/2016	-	-	-	-	-	3.6	-	-	-
Minimum Threshold	**10**	**0.005**	**20**	**0.2**	**13**	**10**	**20**	**5**	**5**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

NKGSA Well 1010007-230

Sample Date	Arsenic (µg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Hexavalent Chromium (µg/L)	Dibromo-Chloropropane (DBCP) (µg/L)	Methyl Tert-Butyl Ether (MTBE) (µg/L)	Nitrate as N (mg/L)	Uranium (pCi/L)	Tetrachloroethylene (PCE) (µg/L)	Trichloroethylene (TCE) (µg/L)
2022 Groundwater Quality Data									
1/13/2022	-	-	-	-	-	1.2	-	-	-
2015-2021 Groundwater Quality Data									
1/8/2021	-	-	-	-	-	1.4	-	-	-
8/14/2020	2.3	ND	1.9	ND	ND	1.5	-	ND	ND
3/11/2020	-	-	-	-	-	1.2	-	-	-
11/25/2019	-	-	-	-	-	1.3	-	-	-
9/18/2018	-	ND	-	-	-	-	-	-	-
5/18/2018	-	ND	-	-	-	-	-	-	-
1/31/2018	-	-	-	-	-	1.2	-	-	-
2/13/2017	2.4	ND	2.1	ND	ND	1.2	-	ND	ND
12/29/2016	-	ND	-	-	-	-	-	-	-
3/2/2016	-	-	-	-	-	1.3	-	-	-
Minimum Threshold	**10**	**0.005**	**20**	**0.2**	**13**	**10**	**20**	**5**	**5**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

NKGSA Well 1010007-272

Sample Date	Arsenic (µg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Hexavalent Chromium (µg/L)	Dibromo-Chloropropane (DBCP) (µg/L)	Methyl Tert-Butyl Ether (MTBE) (µg/L)	Nitrate as N (mg/L)	Uranium (pCi/L)	Tetrachloroethylene (PCE) (µg/L)	Trichloroethylene (TCE) (µg/L)
2022 Groundwater Quality Data									
1/14/2022	-	-	-	-	-	0.46	-	-	-
2015-2021 Groundwater Quality Data									
1/8/2021	-	-	-	-	-	0.68	-	-	-
8/11/2020	ND	ND	ND	ND	ND	0.7	-	ND	ND
3/17/2020	-	-	-	-	-	0.56	-	-	-
3/21/2019	-	-	-	-	-	0.8	-	-	-
7/17/2018	-	ND	-	-	-	-	-	-	-
4/17/2018	-	ND	-	-	-	-	-	-	-
2/7/2018	-	-	-	-	-	0.75	-	-	-
3/14/2017	ND	ND	ND	ND	ND	0.86	-	ND	ND
12/30/2016	-	ND	-	-	-	-	-	-	-
3/11/2016	-	-	-	-	-	1.3	-	-	-
Minimum Threshold	**10**	**0.005**	**20**	**0.2**	**13**	**10**	**20**	**5**	**5**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

NKGSA Well 1010007-274

Sample Date	Arsenic (µg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Hexavalent Chromium (µg/L)	Dibromo-Chloropropane (DBCP) (µg/L)	Methyl Tert-Butyl Ether (MTBE) (µg/L)	Nitrate as N (mg/L)	Uranium (pCi/L)	Tetrachloroethylene (PCE) (µg/L)	Trichloroethylene (TCE) (µg/L)
2022 Groundwater Quality Data									
1/27/2022	-	-	-	-	-	1.8	-	-	-
2015-2021 Groundwater Quality Data									
2/9/2021	-	-	-	-	-	1.9	-	-	-
9/1/2020	ND	ND	ND	ND	ND	1.7	-	ND	ND
3/13/2020	-	-	-	-	-	1.6	-	-	-
3/19/2019	-	-	-	-	-	1.8	-	-	-
9/10/2018	-	ND	-	-	-	-	-	-	-
6/11/2018	-	ND	-	-	-	-	-	-	-
2/8/2018	-	-	-	-	-	4.6	-	-	-
1/30/2017	ND	ND	ND	ND	ND	2	-	ND	ND
12/7/2016	-	ND	-	-	-	-	-	-	-
3/7/2016	-	-	-	-	-	1.7	-	-	-
Minimum Threshold	**10**	**0.005**	**20**	**0.2**	**13**	**10**	**20**	**5**	**5**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

NKGSA Well 1010007-328

Sample Date	Arsenic (µg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Hexavalent Chromium (µg/L)	Dibromo-Chloropropane (DBCP) (µg/L)	Methyl Tert-Butyl Ether (MTBE) (µg/L)	Nitrate as N (mg/L)	Uranium (pCi/L)	Tetrachloroethylene (PCE) (µg/L)	Trichloroethylene (TCE) (µg/L)
2022 Groundwater Quality Data									
1/26/2022	-	-	-	-	-	4.4	-	-	-
2015-2021 Groundwater Quality Data									
2/9/2021	-	-	-	-	-	4.2	-	-	-
9/2/2020	2.4	ND	6.7	ND	ND	4.3	-	ND	ND
3/17/2020	-	-	-	-	-	3.9	-	-	-
3/19/2019	-	-	-	-	-	4	-	-	-
9/17/2018	-	ND	-	-	-	-	-	-	-
6/18/2018	-	ND	-	-	-	-	-	-	-
2/12/2018	-	-	-	-	-	4.5	-	-	-
1/31/2017	ND	ND	7.1	ND	ND	4.6	-	ND	ND
1/18/2017	-	-	-	-	-	-	3.7	-	-
12/9/2016	-	ND	-	-	-	-	-	-	-
11/10/2016	-	-	-	-	-	4.7	-	-	-
6/13/2016	-	-	-	-	-	4.1	-	-	-
3/7/2016	-	-	-	-	-	5.3	-	-	-
Minimum Threshold	**10**	**0.005**	**20**	**0.2**	**13**	**10**	**20**	**5**	**5**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

NKGSA Well 1010018-014

Sample Date	Arsenic (µg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Hexavalent Chromium (µg/L)	Dibromo-Chloropropane (DBCP) (µg/L)	Methyl Tert-Butyl Ether (MTBE) (µg/L)	Nitrate as N (mg/L)	Uranium (pCi/L)	Tetrachloroethylene (PCE) (µg/L)	Trichloroethylene (TCE) (µg/L)
2022 Groundwater Quality Data									
12/7/2022	-	-	-	-	-	2.3	-	-	-
8/10/2022	-	-	31	-	-	-	-	-	-
7/20/2022	-	-	-	-	ND	-	-	ND	ND
2015-2021 Groundwater Quality Data									
9/28/2021	-	ND	-	-	-	2	-	-	-
6/30/2021	-	ND	-	-	-	2	-	-	-
3/30/2021	ND	-	-	-	-	1.8	-	-	-
12/31/2020	-	-	-	ND	-	-	-	-	-
12/11/2020	-	ND	-	-	-	1.5	-	-	-
9/3/2020	-	ND	-	-	-	1.7	-	-	-
6/30/2020	-	ND	-	-	-	1.8	-	-	-
3/31/2020	-	ND	-	-	-	1.6	-	-	-
11/15/2019	-	ND	-	-	-	1.6	-	-	-
9/4/2019	-	-	-	-	-	1.8	-	-	-
8/30/2019	-	ND	-	-	-	-	-	-	-
6/27/2019	-	ND	-	-	-	1.8	-	-	-
12/21/2018	-	ND	-	-	-	1.4	-	-	-
9/5/2018	-	ND	-	-	-	1.8	-	-	-
5/25/2018	-	ND	-	-	-	1.7	-	-	-
2/7/2018	5.3	-	-	-	-	1.8	-	-	-
1/31/2018	-	ND	-	-	-	1.8	-	-	-
11/20/2017	-	-	-	-	-	1.8	-	-	-
7/5/2017	-	-	28	-	-	-	-	-	-
3/8/2017	-	-	28	-	-	-	-	-	-
8/24/2016	-	-	31	ND	-	-	-	-	-
4/13/2016	-	ND	28	-	ND	-	-	ND	ND
2/19/2016	-	-	26	-	-	-	-	-	-
12/2/2015	6.6	-	-	-	ND	1.8	-	ND	ND
10/21/2015	-	-	27	-	-	-	-	-	-
8/3/2015	-	-	28	-	-	-	-	-	-
4/22/2015	-	-	27	-	-	-	-	-	-
1/14/2015	-	-	29	-	-	-	-	-	-
Minimum Threshold	**10**	**0.005**	**37.2**	**0.2**	**13**	**10**	**20**	**5**	**5**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

NKGSA Well 1010018-015

Sample Date	Arsenic (µg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Hexavalent Chromium (µg/L)	Dibromo-Chloropropane (DBCP) (µg/L)	Methyl Tert-Butyl Ether (MTBE) (µg/L)	Nitrate as N (mg/L)	Uranium (pCi/L)	Tetrachloroethylene (PCE) (µg/L)	Trichloroethylene (TCE) (µg/L)
2022 Groundwater Quality Data									
12/14/2022	-	-	-	-	ND	1.8	-	ND	ND
12/7/2022	-	-	-	-	-	1.8	-	-	-
8/10/2022	-	-	27	-	-	-	-	-	-
2015-2021 Groundwater Quality Data									
10/1/2021	-	ND	-	-	-	-	-	-	-
9/28/2021	-	-	-	-	-	2.8	-	-	-
6/30/2021	-	0.005	-	-	-	2	-	-	-
3/30/2021	7.6	-	-	-	-	1.7	-	-	-
12/31/2020	-	-	-	ND	-	-	-	-	-
12/11/2020	-	ND	-	-	-	1.6	-	-	-
9/3/2020	-	ND	-	-	-	1.6	-	-	-
6/30/2020	-	ND	-	-	-	1.6	-	-	-
3/31/2020	-	ND	-	-	-	1.5	-	-	-
11/15/2019	-	ND	-	-	-	1.6	-	-	-
9/4/2019	-	-	-	-	-	1.6	-	-	-
8/30/2019	-	ND	-	-	-	-	-	-	-
6/27/2019	-	ND	-	-	-	1.6	-	-	-
12/21/2018	-	ND	-	-	-	1.4	-	-	-
9/5/2018	-	ND	-	-	-	1.5	-	-	-
5/25/2018	-	ND	-	-	-	1.5	-	-	-
2/7/2018	8.5	-	-	-	-	2	-	-	-
1/31/2018	-	ND	-	-	-	1.9	-	-	-
11/20/2017	-	-	-	-	-	1.9	-	-	-
7/5/2017	-	-	27	-	-	-	-	-	-
3/8/2017	-	-	28	-	-	-	-	-	-
11/30/2016	-	-	-	-	-	1.6	-	-	-
11/2/2016	-	-	29	-	-	-	-	-	-
8/24/2016	-	-	32	ND	ND	-	-	ND	ND
4/13/2016	-	-	28	-	-	-	-	-	-
2/19/2016	-	-	28	-	-	-	-	-	-
12/2/2015	7	-	-	-	ND	1.6	-	ND	ND
10/21/2015	-	-	27	-	-	-	-	-	-
8/3/2015	-	-	27	-	-	-	-	-	-
4/22/2015	-	-	27	-	-	-	-	-	-
1/14/2015	-	-	28	-	-	-	-	-	-
Minimum Threshold	**10**	**0.006**	**38.4**	**0.2**	**13**	**10**	**20**	**5**	**5**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

NKGSA Well 1010018-017

Sample Date	Arsenic (µg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Hexavalent Chromium (µg/L)	Dibromo-Chloropropane (DBCP) (µg/L)	Methyl Tert-Butyl Ether (MTBE) (µg/L)	Nitrate as N (mg/L)	Uranium (pCi/L)	Tetrachloroethylene (PCE) (µg/L)	Trichloroethylene (TCE) (µg/L)
2022 Groundwater Quality Data									
12/7/2022	-	-	-	-	-	2.1	-	-	-
8/10/2022	-	-	20	-	-	-	-	-	-
7/20/2022	-	-	-	-	ND	-	-	ND	ND
2015-2021 Groundwater Quality Data									
9/28/2021	-	ND	-	-	-	2.1	-	-	-
6/30/2021	-	ND	-	-	-	1.5	-	-	-
3/30/2021	3.6	ND	-	-	-	1.7	-	-	-
12/31/2020	-	ND	-	ND	-	-	-	-	-
12/11/2020	-	ND	-	-	-	1.6	-	-	-
9/3/2020	-	ND	-	-	-	1.6	-	-	-
6/30/2020	-	ND	-	-	-	1.7	-	-	-
3/31/2020	-	ND	-	-	-	1.5	-	-	-
11/15/2019	-	ND	-	-	-	1.6	-	-	-
9/4/2019	-	-	-	-	-	1.6	-	-	-
8/30/2019	-	ND	-	-	-	-	-	-	-
6/27/2019	-	ND	-	-	-	1.6	-	-	-
12/21/2018	-	ND	-	-	-	1.7	-	-	-
9/5/2018	-	0.009	-	-	-	3.2	-	-	-
5/25/2018	-	ND	-	-	-	1.5	-	-	-
2/7/2018	4.5	-	-	-	-	1.9	-	-	-
1/31/2018	-	ND	-	-	-	2	-	-	-
11/20/2017	-	-	-	-	-	1.9	-	-	-
7/5/2017	-	-	18	-	-	-	-	-	-
3/8/2017	-	-	17	-	-	-	-	-	-
11/30/2016	-	-	-	-	-	1.3	-	-	-
11/2/2016	-	-	19	-	-	-	-	-	-
8/24/2016	-	-	21	ND	-	-	-	-	-
4/13/2016	-	ND	18	-	ND	-	-	ND	ND
2/19/2016	-	-	17	-	-	-	-	-	-
12/2/2015	3.3	-	-	-	ND	1.5	-	ND	ND
10/21/2015	-	-	17	-	-	-	-	-	-
8/3/2015	-	-	18	-	-	-	-	-	-
4/22/2015	-	-	18	-	-	-	-	-	-
1/14/2015	-	-	18	-	-	-	-	-	-
Minimum Threshold	**10**	**0.0108**	**25.2**	**0.2**	**13**	**10**	**20**	**5**	**5**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

NKGSA Well 1010049-003

Sample Date	Arsenic (µg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Hexavalent Chromium (µg/L)	Dibromo-Chloropropane (DBCP) (µg/L)	Methyl Tert-Butyl Ether (MTBE) (µg/L)	Nitrate as N (mg/L)	Uranium (pCi/L)	Tetrachloroethylene (PCE) (µg/L)	Trichloroethylene (TCE) (µg/L)
2022 Groundwater Quality Data									
2/16/2022	2	ND	-	ND	ND	3.3	-	ND	ND
2015-2021 Groundwater Quality Data									
12/16/2020	-	-	-	-	-	3.2	-	-	-
12/30/2019	-	-	-	-	-	3.6	-	-	-
10/3/2018	-	ND	-	-	-	-	-	-	-
7/6/2018	-	ND	-	-	-	-	-	-	-
5/23/2018	-	-	-	ND	-	-	-	-	-
4/11/2018	2.94	-	-	-	-	2.71	-	-	-
4/6/2018	-	ND	-	-	-	-	-	-	-
2/14/2018	-	ND	-	-	-	-	-	-	-
1/10/2018	-	-	-	-	-	2.8	-	-	-
9/6/2017	-	-	-	-	-	2.44	-	-	-
4/28/2017	-	ND	-	-	-	-	-	-	-
10/5/2016	-	-	-	ND	-	-	-	-	-
9/15/2016	2.7	-	-	-	-	27.2	-	-	-
2/18/2015	2.2	-	-	-	-	-	-	-	-
Minimum Threshold	**10**	**0.005**	**20**	**0.2**	**13**	**32.64**	**20**	**5**	**5**

Notes:

Minimum Threshold values established by method presented in GSP.

\- = Constituent not analyzed

Above Minimum Threshold

NKGSA Well 1010057-003

Sample Date	Arsenic (µg/L)	1,2,3-Trichloropropane (TCP) (µg/L)	Hexavalent Chromium (µg/L)	Dibromo-Chloropropane (DBCP) (µg/L)	Methyl Tert-Butyl Ether (MTBE) (µg/L)	Nitrate as N (mg/L)	Uranium (pCi/L)	Tetrachloroethylene (PCE) (µg/L)	Trichloroethylene (TCE) (µg/L)
2022 Groundwater Quality Data									
7/15/2022	-	-	-	-	-	3.2	-	-	-
1/31/2022	-	ND	-	-	-	-	-	-	-
2015-2021 Groundwater Quality Data									
7/8/2021	-	-	-	-	-	4.1	-	-	-
10/12/2020	1.53	-	-	ND	-	-	-	-	-
7/7/2020	-	-	-	-	-	3.6	-	-	-
7/4/2019	-	-	-	-	-	3.8	-	-	-
1/22/2019	-	ND	-	-	-	-	-	-	-
10/30/2018	-	-	-	-	-	-	22.11	-	-
10/17/2018	-	ND	-	-	-	-	-	-	-
8/28/2018	-	-	-	-	-	4.5	-	-	-
7/20/2018	-	-	-	-	-	-	19.43	-	-
7/19/2018	-	ND	-	-	-	-	-	-	-
4/26/2018	-	ND	-	-	-	-	-	-	-
3/23/2018	-	-	-	-	-	-	5.4	-	-
9/27/2017	ND	-	-	ND	ND	3.5	22.11	ND	ND
6/13/2016	-	-	-	-	-	4.6	-	-	-
11/23/2015	-	-	-	-	-	5.2	-	-	-
11/9/2015	-	-	-	-	-	5.3	-	-	-
5/12/2015	-	-	-	-	-	-	29.48	-	-
Minimum Threshold	**10**	**0.005**	**20**	**0.2**	**13**	**10**	**35.376**	**5**	**5**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

South Kings Groundwater Sustainability Agency

SKGSA Well 1010035-006

Sample Date	As (mg/L)	DBCP (mg/L)	Cr(VI) (mg/L)	MTBE (mg/L)	N03-N (mg/L)	PCE (mg/L)	TCE (mg/L)	TCP (µg/L)	Ur (pCi/L)
2022 Groundwater Quality Data									
10/12/2022	-	-	-	-	-	-	-	ND	-
7/13/2022	-	-	-	-	-	-	-	ND	-
4/13/2022	0.0023	-	-	-	0.66	-	-	ND	-
1/12/2022	-	-	-	-	-	-	-	ND	-
2015-2021 Groundwater Quality Data									
10/13/2021	-	-	-	-	-	-	-	ND	-
7/14/2021	-	-	-	-	-	-	-	ND	-
4/14/2021	-	-	-	-	0.67	-	-	0.007	-
1/13/2021	-	-	-	-	-	-	-	ND	-
10/21/2020	-	-	-	-	-	-	-	ND	-
7/15/2020	-	-	-	-	-	-	-	ND	-
4/8/2020	-	-	-	-	0.52	-	-	0.012	-
1/8/2020	-	ND	-	-	-	-	-	0.016	-
10/9/2019	-	-	-	-	-	-	-	ND	-
7/10/2019	-	-	-	-	-	-	-	ND	-
4/24/2019	0.0023	-	-	-	0.54	-	-	ND	-
1/9/2019	-	-	-	-	0.49	-	-	0.011	-
10/10/2018	-	-	-	-	-	-	-	ND	-
7/11/2018	-	-	-	-	-	-	-	ND	-
4/11/2018	-	-	-	ND	-	ND	ND	0.013	-
1/24/2018	-	-	-	-	0.76	-	-	ND	-
10/25/2017	-	-	-	-	-	-	-	ND	-
7/19/2017	-	-	-	-	-	-	-	0.007	-
4/19/2017	-	-	-	-	-	-	-	ND	-
1/11/2017	-	ND	-	-	0.51	-	-	0.01	-
10/19/2016	-	-	-	-	-	-	-	ND	-
7/20/2016	-	-	-	-	-	-	-	ND	-
4/20/2016	ND	-	-	-	1.2	-	-	ND	-
1/20/2016	-	-	-	-	-	-	-	ND	-
10/21/2015	-	-	-	-	-	-	-	ND	-
5/13/2015	-	-	-	-	-	-	-	ND	-
1/21/2015	-	-	-	-	-	-	-	ND	-
Minimum Threshold	**0.01**	**0.0002**	**0.05**	**0.013**	**10**	**0.005**	**0.005**	**0.0192**	**20**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

SKGSA Well 1010035-007

Sample Date	As (mg/L)	DBCP (mg/L)	Cr(VI) (mg/L)	MTBE (mg/L)	N03-N (mg/L)	PCE (mg/L)	TCE (mg/L)	TCP (µg/L)	Ur (pCi/L)
2022 Groundwater Quality Data									
10/12/2022	-	-	-	ND	-	ND	ND	ND	-
7/13/2022	-	-	-	-	-	-	-	0.0074	-
4/13/2022	ND	-	-	-	0.61	-	-	0.0074	-
1/12/2022	-	-	-	-	-	-	-	0.0073	-
2015-2021 Groundwater Quality Data									
10/13/2021	-	-	-	-	-	-	-	0.0082	-
7/14/2021	-	-	-	-	-	-	-	0.009	-
4/14/2021	-	-	-	-	0.66	-	-	0.008	-
1/13/2021	-	-	-	-	-	-	-	0.009	-
10/21/2020	-	-	-	-	-	-	-	0.011	-
7/15/2020	-	-	-	-	-	-	-	0.016	-
4/8/2020	-	-	-	-	0.46	-	-	ND	-
1/8/2020	-	ND	-	-	-	-	-	ND	-
10/9/2019	-	-	-	-	-	-	-	0.006	-
7/10/2019	-	-	-	-	-	-	-	0.009	-
4/24/2019	ND	-	-	-	0.55	-	-	0.009	-
1/9/2019	-	-	-	-	0.49	-	-	0.008	-
10/10/2018	-	-	-	-	-	-	-	0.01	-
7/11/2018	-	-	-	-	-	-	-	0.022	-
4/11/2018	-	-	-	-	-	-	-	0.013	-
1/24/2018	-	-	-	-	0.51	-	-	0.01	-
10/25/2017	-	-	-	-	-	-	-	0.009	-
7/26/2017	-	-	-	-	-	-	-	0.008	-
4/26/2017	-	-	-	-	-	-	-	0.01	-
1/18/2017	-	ND	-	-	0.54	-	-	0.008	-
10/26/2016	-	-	-	ND	-	ND	ND	0.006	-
7/20/2016	-	-	-	-	-	-	-	0.011	-
4/27/2016	ND	-	-	-	0.53	-	-	0.01	-
1/27/2016	-	-	-	-	-	-	-	ND	-
10/28/2015	-	-	-	-	-	-	-	0.007	-
5/20/2015	-	-	-	-	-	-	-	0.043	-
1/14/2015	-	-	-	-	-	-	-	0.022	-
Minimum Threshold	**0.01**	**0.0002**	**0.05**	**0.013**	**10**	**0.005**	**0.005**	**0.0516**	**20**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

SKGSA Well 1010006-007

Sample Date	As (mg/L)	DBCP (mg/L)	Cr(VI) (mg/L)	MTBE (mg/L)	N03-N (mg/L)	PCE (mg/L)	TCE (mg/L)	TCP (µg/L)	Ur (pCi/L)
2022 Groundwater Quality Data									
10/5/2022	0.0022	ND	-	-	1.2	-	-	ND	-
3/16/2022	-	-	-	-	1.3	-	-	-	-
2015-2021 Groundwater Quality Data									
3/29/2021	-	-	-	-	1.6	-	-	-	-
1/26/2021	-	-	-	-	-	-	-	ND	-
12/23/2020	-	-	-	-	1.7	-	-	-	-
7/17/2020	-	-	-	-	-	-	-	ND	-
4/14/2020	-	-	-	-	-	-	-	0.006	-
3/30/2020	-	-	-	-	-	-	-	ND	-
2/19/2020	-	-	-	-	-	-	-	ND	-
1/14/2020	-	-	-	-	2.1	-	-	ND	-
12/12/2019	-	-	-	-	-	-	-	0.005	-
11/19/2019	-	-	-	-	-	-	-	ND	-
10/23/2019	-	-	-	-	-	-	-	ND	-
9/17/2019	-	-	-	-	-	-	-	ND	-
5/2/2019	ND	ND	-	ND	1.3	ND	ND	ND	-
12/14/2018	-	-	-	-	1.1	-	-	ND	-
9/21/2018	-	-	-	-	-	-	-	ND	-
8/16/2018	-	-	-	-	-	-	-	ND	-
7/18/2018	-	-	-	-	-	-	-	ND	-
6/22/2018	-	-	-	-	-	-	-	ND	-
5/15/2018	-	-	-	-	-	-	-	0.006	-
4/23/2018	-	-	-	-	-	-	-	0.006	-
3/27/2018	-	-	-	-	-	-	-	0.005	-
8/1/2017	-	ND	-	-	-	-	-	-	-
6/13/2017	-	-	-	-	1.1	-	-	-	-
7/18/2016	-	0.000029	-	-	-	-	-	-	-
4/13/2016	ND	-	-	ND	1.2	ND	ND	-	-
12/15/2015	-	-	-	-	2.6	-	-	-	-
7/27/2015	-	0.000014	-	-	-	-	-	-	-
Minimum Threshold	**0.01**	**0.0002**	**0.05**	**0.013**	**10**	**0.005**	**0.005**	**0.0072**	**20**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

SKGSA Well 1010006-008

Sample Date	As (mg/L)	DBCP (mg/L)	Cr(VI) (mg/L)	MTBE (mg/L)	N03-N (mg/L)	PCE (mg/L)	TCE (mg/L)	TCP (µg/L)	Ur (pCi/L)
2022 Groundwater Quality Data									
12/9/2022	-	-	-	-	-	-	-	0.0071	-
11/10/2022	-	-	-	-	-	-	-	0.0079	-
10/17/2022	-	-	-	-	-	-	-	0.0085	-
10/5/2022	0.0032	0.000043	-	-	2.6	-	-	-	-
9/22/2022	-	-	-	-	-	-	-	0.0081	-
8/16/2022	-	-	-	-	-	-	-	0.0071	-
7/11/2022	-	-	-	-	-	-	-	0.0074	-
6/7/2022	-	-	-	-	-	-	-	0.0077	-
5/24/2022	-	-	-	-	-	-	-	0.0066	-
4/27/2022	-	-	-	-	-	-	-	0.0093	-
3/16/2022	-	-	-	-	1.3	-	-	ND	-
2/24/2022	-	-	-	-	-	-	-	ND	-
1/19/2022	-	-	-	-	-	-	-	0.0081	-
2015-2021 Groundwater Quality Data									
12/21/2021	-	-	-	-	-	-	-	ND	-
10/14/2021	-	-	-	-	-	-	-	ND	-
8/18/2021	-	-	-	-	-	-	-	0.0079	-
7/14/2021	-	-	-	-	-	-	-	0.024	-
6/16/2021	-	-	-	-	-	-	-	0.009	-
5/12/2021	-	-	-	-	-	-	-	ND	-
4/20/2021	-	-	-	-	-	-	-	ND	-
3/29/2021	-	-	-	-	1.1	-	-	-	-
3/16/2021	-	-	-	-	-	-	-	ND	-
2/17/2021	-	-	-	-	-	-	-	0.008	-
1/26/2021	-	-	-	-	-	-	-	ND	-
12/23/2020	-	-	-	-	2.8	-	-	-	-
12/15/2020	-	-	-	-	-	-	-	0.013	-
10/19/2020	-	-	-	-	-	-	-	0.007	-
9/21/2020	-	-	-	-	-	-	-	0.008	-
8/12/2020	-	-	-	-	-	-	-	0.007	-
7/17/2020	-	-	-	-	-	-	-	0.007	-
6/11/2020	-	-	-	-	-	-	-	0.006	-
5/11/2020	-	-	-	-	-	-	-	0.007	-
4/14/2020	-	-	-	-	-	-	-	0.008	-
3/30/2020	-	-	-	-	-	-	-	0.006	-
2/19/2020	-	-	-	-	2.4	-	-	0.006	-
1/14/2020	-	-	-	-	-	-	-	0.006	-
12/12/2019	-	-	-	-	-	-	-	0.006	-
11/19/2019	-	-	-	-	-	-	-	0.007	-
10/23/2019	-	-	-	-	-	-	-	0.007	-
9/17/2019	-	-	-	-	-	-	-	0.006	-
8/26/2019	-	-	-	-	-	-	-	0.006	-
6/20/2019	-	-	-	-	-	-	-	0.006	-
4/22/2019	ND	0.000043	-	ND	2	ND	ND	0.006	-
3/14/2019	-	-	-	-	-	-	-	0.006	-
2/19/2019	-	-	-	-	-	-	-	0.006	-
1/23/2019	-	-	-	-	-	-	-	0.005	-
12/14/2018	-	-	-	-	2.1	-	-	0.006	-
11/21/2018	-	-	-	-	-	-	-	0.006	-
9/21/2018	-	-	-	-	-	-	-	0.006	-
8/16/2018	-	-	-	-	-	-	-	ND	-
7/18/2018	-	-	-	-	-	-	-	0.021	-
6/22/2018	-	-	-	-	-	-	-	0.006	-
5/15/2018	-	-	-	-	-	-	-	0.007	-
4/23/2018	-	-	-	-	-	-	-	0.007	-
3/27/2018	-	-	-	-	-	-	-	0.005	-
1/4/2018	-	0.000092	-	-	3.1	-	-	-	-
11/15/2017	-	0.000055	-	-	2.3	-	-	-	-
8/1/2017	-	0.000057	-	-	2.3	-	-	-	-
4/10/2017	-	0.000056	-	-	2.2	-	-	-	-
2/14/2017	-	-	-	-	2.5	-	-	-	-

SKGSA Well 1010006-008

Sample Date	As (mg/L)	DBCP (mg/L)	Cr(VI) (mg/L)	MTBE (mg/L)	N03-N (mg/L)	PCE (mg/L)	TCE (mg/L)	TCP (µg/L)	Ur (pCi/L)
2/9/2017	-	0.000068	-	-	-	-	-	-	-
10/5/2016	-	0.000072	-	-	-	-	-	-	-
7/18/2016	-	0.000081	-	-	-	-	-	-	-
4/13/2016	ND	-	-	ND	4.1	ND	ND	-	-
7/27/2015	-	0.000085	-	-	-	-	-	-	-
4/30/2015	-	0.00016	-	-	-	-	-	-	-
2/4/2015	-	0.000087	-	-	-	-	-	-	-
1/26/2015	-	0.0002	-	-	-	-	-	-	-
Minimum Threshold	**0.01**	**0.00024**	**0.05**	**0.013**	**10**	**0.005**	**0.005**	**0.0288**	**20**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

SKGSA Well 1010025-010

Sample Date	As (mg/L)	DBCP (mg/L)	Cr(VI) (mg/L)	MTBE (mg/L)	N03-N (mg/L)	PCE (mg/L)	TCE (mg/L)	TCP (µg/L)	Ur (pCi/L)
2022 Groundwater Quality Data									
10/19/2022	-	-	-	-	4.9	-	-	-	-
10/5/2022	-	-	-	-	16	-	-	0.37	-
7/13/2022	-	-	-	-	6.9	-	-	-	-
7/6/2022	-	-	-	-	-	-	-	0.23	-
4/6/2022	-	0.000076	-	-	8.7	-	-	0.2	-
1/5/2022	-	-	-	-	5.2	-	-	0.11	-
2015-2021 Groundwater Quality Data									
10/6/2021	-	-	-	-	4.8	-	-	0.12	-
7/7/2021	-	-	-	-	2.1	-	-	0.034	-
4/7/2021	-	0.000059	-	-	6.4	-	-	0.16	-
1/13/2021	-	-	-	-	1.5	-	-	-	-
1/5/2021	-	-	-	-	-	-	-	0.012	-
10/7/2020	-	-	-	-	4.2	-	-	0.099	-
7/1/2020	-	-	-	-	2.8	-	-	0.032	-
4/1/2020	-	0.000035	-	-	4.7	-	-	0.067	-
1/22/2020	-	-	-	-	9	-	-	-	-
1/8/2020	-	-	-	-	14	-	-	-	-
1/2/2020	ND	-	-	-	12	-	-	0.29	-
10/2/2019	-	-	-	-	5.8	-	-	0.13	-
7/3/2019	-	-	-	-	5.1	-	-	0.11	-
4/3/2019	-	0.000086	-	-	6.6	-	-	0.16	-
1/2/2019	-	-	-	-	7.3	-	-	0.093	-
11/15/2018	-	-	-	-	4.8	-	-	-	-
10/3/2018	-	-	-	-	11	-	-	0.33	-
7/5/2018	-	-	-	-	4.2	-	-	0.1	-
4/9/2018	-	-	-	-	4.6	-	-	-	-
4/4/2018	-	-	-	-	10	-	-	0.17	-
1/3/2018	-	-	-	-	6.2	-	-	0.1	-
10/4/2017	-	-	-	ND	2.7	ND	ND	0.02	-
7/5/2017	-	-	-	-	6.5	-	-	0.11	-
4/5/2017	-	-	-	-	6.4	-	-	0.1	-
1/4/2017	ND	-	-	-	10	-	-	0.25	-
10/6/2016	-	-	-	-	-	-	-	0.26	-
7/6/2016	-	-	-	-	-	-	-	0.11	-
4/6/2016	-	0.000066	-	-	3.6	-	-	0.073	-
1/20/2016	-	-	-	-	-	-	-	ND	-
10/7/2015	-	-	-	-	-	-	-	0.066	-
7/1/2015	-	-	-	-	-	-	-	ND	-
5/6/2015	-	-	-	-	-	-	-	0.062	-
1/7/2015	-	-	-	-	-	-	-	ND	-
Minimum Threshold	**0.01**	**0.0002**	**0.05**	**0.013**	**16.8**	**0.005**	**0.005**	**0.396**	**20**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

SKGSA Well 1010025-012

Sample Date	As (mg/L)	DBCP (mg/L)	Cr(VI) (mg/L)	MTBE (mg/L)	N03-N (mg/L)	PCE (mg/L)	TCE (mg/L)	TCP (µg/L)	Ur (pCi/L)
2022 Groundwater Quality Data									
10/26/2022	-	-	-	-	-	-	-	0.064	-
7/27/2022	-	-	-	-	3.3	-	-	0.046	-
4/27/2022	-	0.000021	-	-	3.3	-	-	0.08	-
2/23/2022	-	-	-	-	4.1	-	-	-	-
2015-2021 Groundwater Quality Data									
10/27/2021	-	-	-	-	-	-	-	0.04	-
7/21/2021	-	-	-	-	-	-	-	0.038	-
4/28/2021	-	0.000015	-	-	-	-	-	0.036	-
1/27/2021	-	-	-	-	3	-	-	0.038	-
10/28/2020	-	-	-	-	-	-	-	0.029	-
7/22/2020	-	-	-	-	-	-	-	0.031	-
4/22/2020	-	0.000023	-	-	-	-	-	0.035	-
1/22/2020	0.0034	-	-	-	2.6	-	-	0.04	-
10/23/2019	-	-	-	-	-	-	-	0.028	-
7/24/2019	-	-	-	-	-	-	-	0.027	-
4/24/2019	-	0.000049	-	-	-	-	-	0.029	-
1/23/2019	-	-	-	-	3	-	-	0.025	-
10/24/2018	-	-	-	-	-	-	-	0.027	-
7/25/2018	-	-	-	-	-	-	-	0.035	-
4/25/2018	-	-	-	-	-	-	-	0.038	-
1/24/2018	-	-	-	-	4.3	-	-	0.048	-
10/25/2017	-	-	-	-	-	-	-	0.038	-
7/26/2017	-	-	-	ND	-	ND	ND	0.02	-
4/26/2017	-	-	-	-	-	-	-	0.008	-
1/25/2017	ND	-	-	-	4.4	-	-	0.049	-
10/26/2016	-	-	-	-	3.6	-	-	0.045	-
7/27/2016	-	-	-	-	-	-	-	0.04	-
4/27/2016	-	0.00003	-	-	0.69	-	-	0.023	-
1/27/2016	-	-	-	-	-	-	-	0.049	-
10/28/2015	-	-	-	-	-	-	-	0.02	-
7/22/2015	-	-	-	-	-	-	-	0.025	-
5/27/2015	-	-	-	-	-	-	-	0.03	-
1/28/2015	-	-	-	-	-	-	-	0.038	-
Minimum Threshold	**0.01**	**0.0002**	**0.05**	**0.013**	**10**	**0.005**	**0.005**	**0.0588**	**20**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

SKGSA Well 1010029-003

Sample Date	As (mg/L)	DBCP (mg/L)	Cr(VI) (mg/L)	MTBE (mg/L)	N03-N (mg/L)	PCE (mg/L)	TCE (mg/L)	TCP (µg/L)	Ur (pCi/L)
2022 Groundwater Quality Data									
12/13/2022	-	0.00011	-	-	7.5	-	-	-	-
11/15/2022	-	0.00011	-	-	6.1	-	-	-	-
10/18/2022	-	ND	-	-	7	-	-	-	-
2015-2021 Groundwater Quality Data									
12/17/2021	-	0.00017	-	-	5.4	-	-	-	-
11/16/2021	-	0.00015	-	-	5.1	-	-	-	-
10/19/2021	-	0.00017	-	-	6	-	-	-	-
9/21/2021	-	0.00017	-	-	5.3	-	-	-	-
8/24/2021	-	0.0002	-	-	5.7	-	-	-	-
8/12/2021	-	-	-	-	-	0.00051	ND	-	-
7/27/2021	-	0.00019	-	-	5.6	-	-	-	-
6/29/2021	-	0.00017	-	-	5.4	-	-	-	-
6/2/2021	-	0.00015	-	-	5.4	-	-	-	-
5/5/2021	-	0.0002	-	-	5.7	-	-	-	-
4/6/2021	-	0.0002	-	-	5.7	-	-	-	-
3/9/2021	-	0.00016	-	-	5.5	-	-	-	-
3/3/2021	-	-	-	-	-	0.00051	-	-	-
2/9/2021	-	0.00017	-	-	5.5	-	-	-	-
1/12/2021	-	0.00013	-	-	5.3	-	-	-	-
12/15/2020	-	0.00019	-	-	5.4	-	-	-	-
10/21/2020	-	0.00019	-	-	5.1	-	-	-	-
10/6/2020	-	-	-	-	-	0.00055	-	-	-
8/25/2020	-	0.00016	-	-	5.1	-	-	-	-
8/12/2020	-	-	-	-	-	ND	-	-	-
7/29/2020	-	0.00016	-	-	4.8	-	-	-	-
7/14/2020	-	-	-	-	-	0.00053	-	-	-
6/30/2020	-	0.00015	-	-	5.1	-	-	-	-
6/16/2020	-	-	-	-	-	0.00051	-	-	-
6/2/2020	-	0.0002	-	-	5.1	-	-	-	-
5/19/2020	-	-	-	-	-	0.00053	-	-	-
5/18/2020	0.0011	0.00021	-	ND	5	0.00056	ND	-	-
5/5/2020	-	0.00016	-	-	5	-	-	-	-
4/7/2020	-	0.0002	-	-	5.1	-	-	-	-
3/11/2020	-	0.00016	-	-	5.1	-	-	-	-
2/25/2020	-	0.00016	-	-	-	-	-	-	-
2/21/2020	-	-	-	-	5.6	-	-	-	-
12/17/2019	-	0.0002	-	-	4.9	-	-	-	-
9/24/2019	-	0.00019	-	-	4.8	-	-	-	-
8/27/2019	-	0.00019	-	-	4.7	-	-	-	-
7/30/2019	-	0.00021	-	-	4.6	-	-	-	-
7/16/2019	-	-	-	-	-	0.00061	-	-	-
7/2/2019	-	0.00018	-	-	4.7	-	-	-	-
6/4/2019	-	0.00013	-	-	4.8	-	-	-	-
5/7/2019	-	0.00018	-	-	4.6	-	-	-	-
4/9/2019	-	0.00019	-	-	5	0.00053	-	-	-
3/12/2019	-	0.0002	-	-	6.1	-	-	-	-
2/12/2019	-	0.0002	-	-	4.5	-	-	-	-
1/15/2019	-	0.00019	-	-	4.4	0.00059	-	-	-
12/18/2018	-	0.00019	-	-	4.6	-	-	-	-
11/19/2018	-	0.00017	-	-	4.4	ND	-	-	-
10/23/2018	-	0.00018	-	-	4.5	0.00057	-	-	-
10/17/2018	-	-	-	-	-	-	-	ND	-
9/25/2018	-	0.00017	-	-	-	-	-	-	-
8/28/2018	-	0.00017	-	-	4.6	-	-	-	-
8/14/2018	-	-	-	-	-	0.0006	-	-	-
7/31/2018	-	0.00019	-	-	4.2	-	-	-	-
7/24/2018	-	-	-	-	-	0.00066	-	-	-
7/18/2018	-	-	-	-	-	-	-	ND	-
7/3/2018	-	0.00022	-	-	4	-	-	-	-
5/8/2018	-	0.00017	-	-	3.9	-	-	-	-
4/19/2018	-	-	-	-	-	-	-	ND	-

SKGSA Well 1010029-003

Sample Date	As (mg/L)	DBCP (mg/L)	Cr(VI) (mg/L)	MTBE (mg/L)	N03-N (mg/L)	PCE (mg/L)	TCE (mg/L)	TCP (µg/L)	Ur (pCi/L)
4/10/2018	-	0.00017	-	-	4.4	ND	-	-	-
3/13/2018	-	0.0002	-	-	4.2	-	-	-	-
1/30/2018	-	-	-	-	-	0.00057	-	-	-
1/17/2018	-	-	-	-	-	-	-	ND	-
1/16/2018	-	ND	-	-	4.6	-	-	-	-
12/19/2017	-	0.00022	-	-	3.6	-	-	-	-
11/20/2017	-	0.00022	-	-	4.4	-	-	-	-
10/24/2017	-	0.00021	-	-	4.4	0.00063	-	-	-
9/26/2017	-	0.00023	-	-	4.5	-	-	-	-
8/29/2017	-	0.00022	-	-	4.3	-	-	-	-
8/17/2017	-	0.00026	-	-	-	-	-	-	-
8/1/2017	-	0.00021	-	-	4.3	-	-	-	-
7/6/2017	-	0.00019	-	-	4.2	0.00068	-	-	-
6/6/2017	-	0.0002	-	-	4.5	-	-	-	-
5/11/2017	ND	0.00027	-	ND	4.3	0.00065	ND	-	-
5/9/2017	-	0.00021	-	-	4.2	-	-	-	-
4/13/2017	-	0.00018	-	-	4.4	-	-	-	-
3/29/2017	-	-	-	-	-	-	-	ND	-
3/14/2017	-	0.00022	-	-	4.4	-	-	-	-
1/17/2017	-	0.00016	-	-	4.2	-	-	-	-
1/12/2017	-	-	-	-	-	0.00072	-	-	-
12/20/2016	-	0.0002	-	-	4.2	-	-	-	-
12/7/2016	-	-	-	-	-	-	-	-	3.9
11/22/2016	-	0.00026	-	-	4.1	-	-	-	-
10/25/2016	-	0.00024	-	-	4.4	-	-	-	-
9/27/2016	-	0.00026	-	-	4.3	-	-	-	-
8/30/2016	-	0.00028	-	-	4.2	-	-	-	-
8/16/2016	-	-	-	-	-	0.00077	-	-	-
8/4/2016	-	-	-	-	-	-	-	ND	-
8/2/2016	-	0.00025	-	-	4.5	-	-	-	-
7/5/2016	-	0.0003	-	-	4.4	-	-	-	-
6/7/2016	-	0.00028	-	-	4.6	-	-	-	-
5/10/2016	-	0.0003	-	-	4.5	-	-	-	-
5/2/2016	-	0.0003	-	-	4.6	-	-	-	-
4/12/2016	-	0.00031	-	-	4.4	-	-	-	-
4/5/2016	-	-	-	-	-	0.00098	-	-	-
3/15/2016	-	0.00029	-	-	4.6	-	-	-	-
2/16/2016	-	-	-	-	4.6	-	-	-	-
1/20/2016	-	0.00026	-	-	4.7	-	-	-	-
12/22/2015	-	0.00026	-	-	4.5	-	-	-	-
11/23/2015	-	0.00025	-	-	-	-	-	-	-
10/28/2015	-	0.00034	-	-	-	-	-	-	-
10/21/2015	-	-	-	-	-	0.00083	-	-	-
9/29/2015	-	0.00032	-	-	-	-	-	-	-
8/13/2015	-	-	-	-	-	0.0011	-	-	-
8/4/2015	-	0.00028	-	-	-	-	-	-	-
7/28/2015	-	0.00021	-	-	-	-	-	-	-
6/9/2015	-	0.00028	-	-	-	-	-	-	-
5/13/2015	-	0.00027	-	-	-	-	-	-	-
4/14/2015	-	0.00029	-	-	-	-	-	-	-
4/7/2015	-	-	-	-	-	0.001	-	-	-
3/17/2015	-	0.00031	-	-	-	-	-	-	-
2/24/2015	-	-	-	-	-	0.00086	-	-	-
2/18/2015	-	0.0003	-	-	-	-	-	-	-
Minimum Threshold	**0.01**	**0.000408**	**0.05**	**0.013**	**10**	**0.005**	**0.005**	**0.005**	**20**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

SKGSA Well 1010029-022

Sample Date	As (mg/L)	DBCP (mg/L)	Cr(VI) (mg/L)	MTBE (mg/L)	N03-N (mg/L)	PCE (mg/L)	TCE (mg/L)	TCP (µg/L)	Ur (pCi/L)
2022 Groundwater Quality Data									
12/13/2022	-	0.000096	-	-	2.5	-	-	-	-
11/15/2022	-	0.000091	-	-	2.1	-	-	-	-
10/18/2022	-	0.000092	-	-	2.4	-	-	-	-
7/26/2022	-	0.000098	-	-	2.4	-	-	-	-
5/3/2022	-	0.000096	-	-	2.4	-	-	-	-
3/8/2022	-	0.0001	-	-	2.3	-	-	-	-
2/8/2022	-	0.000096	-	-	2.1	-	-	-	-
2/2/2022	-	-	-	-	-	-	-	0.0047	-
1/11/2022	-	0.000079	-	-	2.1	-	-	-	-
2015-2021 Groundwater Quality Data									
12/15/2021	-	0.00009	-	-	0.59	-	-	-	-
11/16/2021	-	0.000088	-	-	2.2	-	-	-	-
10/19/2021	-	0.0001	-	-	2.5	-	-	-	-
8/24/2021	-	0.000087	-	-	2.4	-	-	-	-
7/27/2021	-	0.00011	-	-	2.2	-	-	-	-
6/29/2021	-	0.00012	-	-	2.2	-	-	-	-
6/2/2021	-	0.000082	-	-	2.2	-	-	-	-
5/21/2021	-	0.000092	-	-	2	-	-	-	-
4/6/2021	-	0.000094	-	-	2.3	-	-	-	-
3/9/2021	-	0.000084	-	-	2.3	-	-	-	-
2/9/2021	-	0.000097	-	-	2.3	-	-	-	-
1/12/2021	-	0.000066	-	-	2.3	-	-	-	-
12/15/2020	-	0.00009	-	-	2.2	-	-	-	-
11/17/2020	-	0.000087	-	-	2.2	-	-	-	-
10/21/2020	-	0.000083	-	-	-	-	-	-	-
8/25/2020	-	0.000088	-	-	2.3	-	-	-	-
7/29/2020	-	0.000081	-	-	2.2	-	-	-	-
6/30/2020	-	0.0001	-	-	2.4	-	-	-	-
6/2/2020	-	0.00011	-	-	2.3	-	-	-	-
5/18/2020	0.0033	0.00014	-	ND	2.5	ND	ND	-	-
5/5/2020	-	0.000092	-	-	2.3	-	-	-	-
4/7/2020	-	0.000097	-	-	2.2	-	-	-	-
3/11/2020	-	0.000076	-	-	2.2	-	-	-	-
2/12/2020	-	0.000092	-	-	2.2	-	-	-	-
12/17/2019	-	0.0001	-	-	2.2	-	-	-	-
9/24/2019	-	0.00013	-	-	2.4	-	-	-	-
7/30/2019	-	0.00011	-	-	2.2	-	-	-	-
7/2/2019	-	0.00009	-	-	2.3	-	-	-	-
5/7/2019	-	0.000095	-	-	2.2	-	-	-	-
4/9/2019	-	0.00011	-	-	2.3	-	-	-	-
2/12/2019	-	0.000095	-	-	2.2	-	-	-	-
1/22/2019	-	0.00011	-	-	2.2	-	-	-	-
12/18/2018	-	0.000094	-	-	2.1	-	-	-	-
10/23/2018	-	0.0001	-	-	2.1	-	-	-	-
10/17/2018	-	-	-	-	-	-	-	ND	-
9/25/2018	-	0.000095	-	-	-	-	-	-	-
7/31/2018	-	0.0001	-	-	2.1	-	-	-	-
7/18/2018	-	-	-	-	-	-	-	ND	-
7/3/2018	-	0.000091	-	-	1.9	-	-	-	-
6/5/2018	-	0.000087	-	-	2.3	-	-	-	-
5/8/2018	-	0.000085	-	-	2.1	-	-	-	-
4/18/2018	-	-	-	-	-	-	-	ND	-
4/10/2018	-	0.000094	-	-	2.1	-	-	-	-
3/14/2018	-	0.00012	-	-	2.1	-	-	-	-
2/13/2018	-	0.0001	-	-	2.1	-	-	-	-
1/17/2018	-	0.00011	-	-	2.1	-	-	ND	-
10/24/2017	-	0.00012	-	-	2.2	-	-	-	-
9/26/2017	-	0.00013	-	-	2.3	-	-	-	-
8/29/2017	-	0.00011	-	-	2.4	-	-	-	-
8/17/2017	-	0.00014	-	-	-	-	-	-	-
8/1/2017	-	0.00012	-	-	2.4	-	-	-	-

SKGSA Well 1010029-022

Sample Date	As (mg/L)	DBCP (mg/L)	Cr(VI) (mg/L)	MTBE (mg/L)	N03-N (mg/L)	PCE (mg/L)	TCE (mg/L)	TCP (µg/L)	Ur (pCi/L)
7/5/2017	-	0.00014	-	-	2.4	-	-	-	-
6/6/2017	-	0.00012	-	-	2.6	-	-	-	-
5/11/2017	0.0031	0.00018	-	ND	2.5	ND	ND	-	-
5/9/2017	-	-	-	-	2.5	-	-	-	-
4/13/2017	-	0.00017	-	-	2.6	-	-	-	-
3/29/2017	-	-	-	-	-	-	-	0.0078	-
3/14/2017	-	0.00013	-	-	2.8	-	-	-	-
2/14/2017	-	0.00015	-	-	2.9	-	-	-	-
12/20/2016	-	0.00014	-	-	2.7	-	-	-	-
11/22/2016	-	0.00013	-	-	2.7	-	-	-	-
10/25/2016	-	0.00019	-	-	2.8	-	-	-	-
9/27/2016	-	0.0002	-	-	2.6	-	-	-	-
8/30/2016	-	0.00019	-	-	3	-	-	-	-
8/4/2016	-	-	-	-	-	-	-	0.0095	-
8/2/2016	-	0.00018	-	-	3.1	-	-	-	-
7/5/2016	-	0.00021	-	-	3.2	-	-	-	-
6/7/2016	-	0.00021	-	-	3.3	-	-	-	-
5/10/2016	-	0.00022	-	-	3.3	-	-	-	-
4/12/2016	-	0.00023	-	-	3.3	-	-	-	-
3/15/2016	-	0.00023	-	-	3.3	-	-	-	-
2/16/2016	-	0.00023	-	-	3.5	-	-	-	-
1/20/2016	-	0.00019	-	-	3.5	-	-	-	-
12/22/2015	-	0.00021	-	-	3.4	-	-	-	-
11/23/2015	-	0.0002	-	-	-	-	-	-	-
10/28/2015	-	0.00028	-	-	-	-	-	-	-
9/29/2015	-	0.00025	-	-	-	-	-	-	-
8/4/2015	-	0.00021	-	-	-	-	-	-	-
7/7/2015	-	0.0002	-	-	-	-	-	-	-
6/9/2015	-	0.00023	-	-	-	-	-	-	-
5/13/2015	-	0.00025	-	-	-	-	-	-	-
4/14/2015	-	0.00026	-	-	-	-	-	-	-
3/17/2015	-	0.00025	-	-	-	-	-	-	-
2/18/2015	-	0.00027	-	-	-	-	-	-	-
Minimum Threshold	**0.01**	**0.000336**	**0.05**	**0.013**	**10**	**0.005**	**0.005**	**0.0114**	**20**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

SKGSA Well 1010019-007

Sample Date	As (mg/L)	DBCP (mg/L)	Cr(VI) (mg/L)	MTBE (mg/L)	N03-N (mg/L)	PCE (mg/L)	TCE (mg/L)	TCP (µg/L)	Ur (pCi/L)
2022 Groundwater Quality Data									
9/19/2022	-	0.000095	-	-	-	-	-	-	-
4/26/2022	-	-	-	-	4.8	-	-	-	-
2/15/2022	-	-	-	-	-	-	-	ND	-
2015-2021 Groundwater Quality Data									
9/20/2021	-	0.000072	-	-	-	-	-	-	-
4/5/2021	0.0027	-	-	-	4.3	-	-	-	-
3/9/2021	-	-	-	-	4.4	-	-	-	-
9/9/2020	-	0.000053	-	-	-	-	-	-	-
8/3/2020	-	0.000056	-	-	-	-	-	-	-
3/2/2020	-	-	-	-	3.9	-	-	-	-
7/16/2019	-	0.000062	-	-	-	-	-	-	-
2/25/2019	-	-	-	-	-	-	-	ND	-
2/6/2019	-	0.000066	-	-	3.7	-	-	-	-
12/12/2018	-	-	-	-	-	-	-	ND	-
12/11/2018	-	-	-	ND	-	ND	ND	-	-
9/20/2018	-	-	-	-	-	-	-	ND	-
6/22/2018	-	-	-	-	-	-	-	ND	-
4/11/2018	0.003	-	-	-	-	-	-	-	-
3/27/2018	-	-	-	-	-	-	-	ND	-
1/24/2018	-	0.000048	-	-	4	-	-	-	-
1/17/2018	-	-	-	-	-	-	-	ND	-
7/21/2016	-	0.00005	-	-	4.6	-	-	-	-
12/17/2015	-	-	-	ND	4.6	ND	ND	-	-
3/26/2015	0.003	0.00006	-	-	-	-	-	-	-
Minimum Threshold	**0.01**	**0.0002**	**0.05**	**0.013**	**10**	**0.005**	**0.005**	**0.005**	**20**

Notes:
Minimum Threshold values established by method presented in GSP.
- = Constituent not analyzed
Above Minimum Threshold

SKGSA Well 1010019-009

Sample Date	As (mg/L)	DBCP (mg/L)	Cr(VI) (mg/L)	MTBE (mg/L)	N03-N (mg/L)	PCE (mg/L)	TCE (mg/L)	TCP (µg/L)	Ur (pCi/L)
2022 Groundwater Quality Data									
12/6/2022	-	-	-	-	4.9	-	-	-	-
10/24/2022	-	-	-	-	-	-	-	0.017	-
9/19/2022	-	0.00001	-	-	-	-	-	-	-
7/27/2022	-	-	-	-	-	-	-	0.016	-
5/24/2022	-	-	-	-	-	-	-	0.011	-
4/11/2022	-	-	-	-	-	-	-	0.013	-
2/15/2022	-	-	-	-	-	-	-	0.014	-
1/18/2022	-	-	-	-	-	-	-	0.016	-
2015-2021 Groundwater Quality Data									
12/15/2021	-	-	-	-	-	-	-	0.017	-
12/14/2021	-	-	-	-	3.3	-	-	-	-
11/8/2021	-	-	-	-	-	-	-	0.018	-
10/26/2021	-	-	-	-	-	-	-	0.02	-
10/5/2021	-	-	-	-	-	-	-	0.023	-
9/20/2021	-	0.000013	-	-	-	-	-	-	-
6/3/2021	-	-	-	-	-	-	-	0.024	-
4/5/2021	ND	-	-	-	5	-	-	-	-
3/19/2021	-	-	-	-	-	-	-	0.032	-
3/9/2021	-	-	-	-	5.6	-	-	-	-
11/17/2020	-	-	-	-	-	-	-	0.022	-
9/9/2020	-	0.000014	-	-	-	-	-	-	-
8/26/2020	-	-	-	-	-	-	-	0.014	-
8/3/2020	-	0.000013	-	-	-	-	-	-	-
5/20/2020	-	-	-	-	-	-	-	0.019	-
3/5/2020	-	-	-	-	-	-	-	0.019	-
3/2/2020	-	-	-	-	4.9	-	-	-	-
12/9/2019	-	-	-	-	-	-	-	0.02	5.2
9/18/2019	-	-	-	-	-	-	-	0.018	-
7/16/2019	-	0.000027	-	-	-	-	-	-	-
6/21/2019	-	-	-	-	-	-	-	0.018	-
5/14/2019	-	-	-	-	-	-	-	0.013	-
2/25/2019	-	-	-	-	-	-	-	0.009	-
2/6/2019	-	0.000032	-	-	4.1	-	-	-	-
1/30/2019	-	-	-	-	-	-	-	0.011	-
12/12/2018	-	-	-	-	-	-	-	0.012	-
9/20/2018	-	-	-	-	-	-	-	0.013	-
6/22/2018	-	-	-	-	-	-	-	ND	-
4/27/2018	-	-	-	-	-	-	-	0.006	-
4/11/2018	ND	-	-	-	-	-	-	-	-
3/27/2018	-	-	-	-	-	-	-	0.012	-
3/6/2018	-	-	-	-	-	-	-	0.019	-
2/14/2018	-	-	-	-	-	-	-	0.019	-
1/24/2018	-	0.000041	-	ND	4.5	ND	ND	-	-
1/17/2018	-	-	-	-	-	-	-	0.021	-
7/21/2016	-	0.00004	-	-	4.6	-	-	-	5.34
12/17/2015	-	-	-	-	5.7	-	-	-	-
3/26/2015	0.002	0.00008	-	-	-	-	-	-	-
Minimum Threshold	**0.01**	**0.0002**	**0.05**	**0.013**	**10**	**0.005**	**0.005**	**0.0384**	**20**

Notes:

Minimum Threshold values established by method presented in GSP.

- = Constituent not analyzed

Above Minimum Threshold

Appendix F – Updated Groundwater Quality Monitoring Network Wells Lists

Central Kings GSA

Updated Groundwater Quality Monitoring Network and Corresponding Minimum Thresholds

Well ID	Well Type	Arsenic Minimum Threshold (mg/L)	DBCP Minimum Threshold (mg/L)	Methyl Tert-Butyl Ether (MTBE) Minimum Threshold (mg/L)	Nitrate as N Minimum Threshold (mg/L)	Tetrachloroethylene (PCE) Minimum Threshold (mg/L)	Trichloroethylene (TCE) Minimum Threshold (mg/L)	1,2,3-Trichloropropane (TCP) Minimum Threshold (µg/L)	Uranium Minimum Threshold (pCi/L)	Hexavalent Chromium Minimum Threshold (µg/L)
1000192-001	Public Supply	0.01	0.0002	0.013	10	0.005	0.005	0.0072	20	20
1000194-001	Public Supply	0.01	0.0002	0.013	10	0.005	0.005	0.005	20	20
1000196-012	Public Supply	0.01	0.0002	0.013	10	0.005	0.005	0.16	20	20
1000198-002	Public Supply	0.01	0.0002	0.013	10	0.005	0.005	0.005	20	20
1000199-001	Public Supply	0.01	0.0002	0.013	10	0.005	0.005	0.025	20	20
1000200-003	Public Supply	0.01	0.0002	0.013	10	0.005	0.005	0.005	20	20
1000204-001	Public Supply	0.01	0.0002	0.013	12	0.005	0.005	0.01	46.63	20
1000315-003	Public Supply	0.01	0.0002	0.013	10	0.005	0.005	0.005	20	20
1000526-001	Public Supply	0.01	0.0002	0.013	10	0.005	0.005	0.006	20	20
1000534-001	Public Supply	0.01	0.0002	0.013	10	0.005	0.005	0.005	20	20
1000575-003	Public Supply	0.01	0.0002	0.013	10	0.005	0.005	0.005	20	20
1000576-002	Public Supply	0.01	0.0002	0.013	10	0.005	0.005	0.005	20	20
1010024-010	Public Supply	0.01	0.0002	0.013	10	0.005	0.005	0.024	20	20
1010024-018	Public Supply	0.01	0.0002	0.013	10	0.005	0.005	0.005	20	20
1010039-005	Public Supply	0.017	0.0002	0.013	10	0.005	0.005	0.06	20	20
California MCLs		0.01	0.0002	0.013	10	0.005	0.005	0.005	20	20*

Notes:
* = Currently no MCL value. USGS Health Based Screening Level listed instead.

James GSA
Updated Groundwater Quality Monitoring Network and Corresponding Minimum Thresholds

Well ID	Well Type	Arsenic Minimum Threshold (μg/L)	Chromium - Total Minimum Threshold (μg/L)	Fluoride Minimum Threshold (μg/L)	Gross Alpha Minimum Threshold (pCi/L)	Lead Minimum Threshold (μg/L)	Nitrate as N Minimum Threshold (mg/L)	1,2,3-Trichloropropane Minimum Threshold (μg/L)	Uranium Minimum Threshold (pCi/L)	Manganese Minimum Threshold (μg/L)	Boron Minimum Threshold (μg/L)
1010030-006	Municpal	10	50	2000	15	15	10	0.005	20	1920	1000
1010034-003	Municpal	10	50	2000	15	15	10	0.005	20	516	1000
1010034-004	Municpal	10	50	2000	15	15	10	0.005	20	528	1000
1010034-005	Municpal	10	50	2000	15	15	10	0.005	20	636	1000
KING-26	Non-Domestic	10	50	2000	15	15	10	0.005	20	107.3	2412
California MCLs		**10**	**50**	**2,000**	**15**	**15****	**10**	**0.005**	**20**	**50***	**1,000*****

Notes:
* = California Secondary MCLs
** = The USEPA regulates the concentration of lead in drinking water by an Action Level, which is similar to an MCL but requires additional testing at costomer services.
*** = California State Notification Level (CA-NL)

Kings River East GSA
Updated Groundwater Quality Monitoring Network and Corresponding Minimum Thresholds

Well ID	Well Type	Nitrate as N Minimum Threshold (mg/L)	Dibromo-Chloropropane (DBCP) Minimum Threshold (mg/L)
5403023-002	Public Supply	10	0.0002
5400553-003	Public Supply	10	0.0002
5403212-001	Public Supply	10	0.0002
5410008-003	Public Supply	10	0.0002
5410017-004	Public Supply	10	0.0002
1000405-001	Public Supply	10	0.0002
5402047-017	Public Supply	10	0.0002
1000021-002	Public Supply	10	0.0002
5410002-017	Public Supply	10	0.0002
5400824-003	Public Supply	10	0.0002
5401003-001	Public Supply	13.8	0.0002
5400550-003	Public Supply	10	0.0002
1010027-006	Public Supply	10	0.0002
5410001-008	Public Supply	10	0.0002
5403043-002	Public Supply	10	0.0002
California MCLs		10	0.0002

McMullin Area GSA
Updated Groundwater Quality Monitoring Network and Corresponding Minimum Thresholds

Well ID	Well Type	Arsenic Minimum Threshold (mg/L)	Chloride Minimum Threshold (mg/L)	Manganese Minimum Threshold (mg/L)	Sodium Minimum Threshold (mg/L)	Uranium Minimum Threshold (pCi/L)	Nitrate as N Minimum Threshold (mg/L)	DBCP Minimum Threshold (mg/L)	TCP Minimum Threshold (mg/L)	TDS Minimum Threshold (mg/L)
1000317-001	Public Supply	0.01	500	0.05	-	20	10	0.0001	$5x10^{-6}$	1000
1000465-001	Public Supply	0.01	500	0.05	-	20	13.2	0.0018	$8.6X10^{-5}$	1000
1000551-001	Public Supply	0.01	500	0.05	-	20	10	0.0002	$5x10^{-6}$	1000
1000560-001	Public Supply	0.01	500	0.05	-	20	10	0.0002	$5x10^{-6}$	1000
1000602-003	Public Supply	0.018	500	0.05	-	20	10	0.0002	$5x10^{-6}$	1000
1000604-002	Public Supply	0.046	500	0.05	-	20	10	0.0002	$5x10^{-6}$	1000
1000641-001	Public Supply	0.01	500	0.05	-	20	10	0.0002	$5x10^{-6}$	1000
1009120-001	Public Supply	0.013	500	0.05	-	33.6	10	0.0002	$6x10^{-6}$	1000
L10006109169-DMW-21R	Monitoring Well	0.01	500	0.05	-	20	18	0.0002	$5x10^{-6}$	2280
L10006109169-DMW-25R	Monitoring Well	0.01	600	0.05	-	20	14.4	0.0002	$5x10^{-6}$	1920
L10006109169-DMW-17R	Monitoring Well	0.01	648	0.05	-	20	12	0.0002	$5x10^{-6}$	1000
L10006109169-BMW-1R	Monitoring Well	0.01	500	0.05	-	20	15.6	0.0002	$5x10^{-6}$	1680
California MCLs		0.01	500***	0.05*	**	20	10	0.0002	$5x10^{-6}$	1000**

Notes:
* = Notification Level, No MCL
** = No current drinking water standard
*** = California Upper Secondary MCL
Highlighted rows represent additions/changes to monitoring network from previous reporting period.

North Fork Kings GSA

Updated Groundwater Quality Monitoring Network and Corresponding Minimum Thresholds

Well ID	Well Type	Arsenic Minimum Threshold (µg/L)	Chromium - Total Minimum Threshold (µg/L)	Fluoride Minimum Threshold (µg/L)	Gross Alpha Minimum Threshold (pCi/L)	Lead Minimum Threshold (µg/L)	Nitrate as N Minimum Threshold (mg/L)	1,2,3-Trichloropropane Minimum Threshold (µg/L)	Uranium Minimum Threshold (pCi/L)	Aluminum Minimum Threshold (µg/L)	Iron Minimum Threshold (µg/L)	Manganese Minimum Threshold (mg/L)	Total Dissolved Solids Minimum Threshold (mg/L)
SL205254275-MW-HS	Public Supply	10	50	2,000	15	15	10	0.005	313	1,000	300	0.05	1,000
1000053-001	Public Supply	25.2	50	2,000	15	15	10	0.005	20	1,000	4,680	0.097	1,000
1000627-001	Public Supply	26.4	50	2,000	47.8	15	25.2	0.005	51.6	1,000	300	0.05	1,000
1000369-002	Public Supply	49.2	50	2,000	15	15	13.2	0.005	20	1,000	444	0.05	1,000
1010020-005	Public Supply	10	50	2,000	15	15	10	0.005	20	1,000	300	0.05	1,000
1000186-001	Public Supply	10	50	2,000	15	15	10	0.005	20	1,000	408	0.16	1,000
1010028-005	Public Supply	10	50	2,000	15	15	10	0.005	20	1,000	300	0.05	1,000
1010028-004	Public Supply	18	50	2,000	15	37.2	10	0.005	20	1,000	300	0.05	1,000
1600017-002	Public Supply	28.8	50	2,000	15	15	10	0.005	20	1,000	300	0.05	1,000
1000182-001	Public Supply	10	50	2,000	15	15	10	0.005	20	1,000	4,320	0.29	1,000
1000053-002	Public Supply	26.4	50	2,000	15	15	10	0.005	20	1,000	300	0.05	1,000
1010028-009	Public Supply	10	50	3,000	15	15	10	0.005	20	1,000	300	0.05	1,000
1010020-003	Public Supply	10	50	2,000	20.5	15	10	0.005	20	1,000	732	0.05	1,000
1000445-001	Public Supply	10	50	2,000	46.6	15	10	0.005	36	1,000	300	0.78	5,160
1010020-004	Public Supply	10	50	2,000	15	15	10	0.005	20	1,000	300	0.05	1,000
1000189-001	Public Supply	10	50	2,000	15	15	10	0.005	20	1,000	300	0.05	1,000
1000562-001	Dedicated Monitoring	10	50	2,000	15	15	10	0.1	20	1,000	300	0.05	1,000
ZON-MW1C	Dedicated Monitoring	10	50	2,000	15	15	34.8	0.005	20	1,000	300	0.05	1,000
ZON-MW3B	Dedicated Monitoring	10	50	2,000	15	15	67.2	0.005	20	1,000	300	0.05	1,000
MAP-MW10	Dedicated Monitoring	10	50	2,000	15	15	84	0.005	20	1,000	300	0.05	1,320
California MCLs		10	50	2,000	15	15	10	0.005	20	1,000	300*	0.05*	500-1,000*

Notes:

MT = Minimum Threshold

* = California Secondary MCLs

Highlighted rows represent additions/changes to monitoring network from previous reporting period.

North Kings GSA
Updated Groundwater Quality Monitoring Network and Corresponding Minimum Thresholds

Well ID	Well Type	Arsenic Minimum Threshold (µg/L)	1,2,3-Trichloropropane (TCP) Minimum Threshold (µg/L)	Chromium (VI) Minimum Threshold (µg/L)	Dibromo-Chloropropane (DBCP) Minimum Threshold (µg/L)	Methyl Tert-Butyl Ether (MTBE) Minimum Threshold (µg/L)	Nitrate as N Minimum Threshold (mg/L)	Uranium Minimum Threshold (pCi/L)	Tetrachloroethylene (PCE) Minimum Threshold (µg/L)	Trichloroethylene (TCE) Minimum Threshold (µg/L)
1000018-001	Public Supply	10	0.005	20	0.77 (0.92)	13	10	20	5	5
1000023-013	Public Supply	10	0.076	20	0.2	13	10	20	5	5
1000039-002	Public Supply	10	0.005	20	0.2	13	10	20	5	5
1000078-004	Public Supply	10	0.005	20	0.2	13	12	20	5	5
1000104-001	Public Supply	10	0.005	20	0.2	13	10	20	5	5
1000201-001	Public Supply	10	0.005	20	0.2	13	10	20	5	5
1000208-001	Public Supply	10	0.005	20	0.2	13	10	20	5	5
1000217-001	Public Supply	10	0.005	20	0.2	13	10	20	5	5
1000259-002	Public Supply	10	0.005	20	0.2	13	10	20	5	5
1000279-002	Public Supply	10	0.09	20	0.2	13	10	20	5	5
1000362-003	Public Supply	10	0.005	20	0.2	13	10	20	5	5
1000366-001	Public Supply	10	0.005	20	0.2	13	10	20	5	5
1000447-067	Public Supply	10	0.005	20	0.2	13	10	20	5	5
1000467-001	Public Supply	10	0.005	20	0.2	13	10	20	5	5
1000492-001	Public Supply	10	0.005	20	0.2	13	10	20	5	5
1000514-003	Public Supply	10	0.005	20	0.2	13	10	20	5	5
1000552-001	Public Supply	10	0.005	20	0.2	13	10	20	5	5
1000554-002	Public Supply	10	0.005	20	0.2	13	13.2	20	5	5
1000555-002	Public Supply	10	0.005	20	0.2	13	10	20	5	5
1000578-001	Public Supply	10	0.005	20	0.2	13	10	20	5	5
1000632-001	Public Supply	10	0.005	20	0.2	13	10	20	5	5
1010003-050	Public Supply	10	0.005	20	0.2	13	10	20	5	5
1010007-019	Public Supply	10	0.005	20	0.2	13	10	20	5	5
1010007-099	Public Supply	10	0.005	20	0.2	13	10	20	5	5
1010007-147	Public Supply	10	0.008	20	0.2	13	10	20	5	5
1010007-178	Public Supply	10	0.005	20	0.2	13	10	20	5	5
1010007-230	Public Supply	10	0.005	20	0.2	13	10	20	5	5
1010007-272	Public Supply	10	0.005	20	0.2	13	10	20	5	5
1010007-274	Public Supply	10	0.005	20	0.2	13	10	20	5	5
1010007-328	Public Supply	10	0.005	20	0.2	13	10	20	5	5
1010018-014	Public Supply	10	0.005	37.2	0.2	13	10	20	5	5
1010018-015	Public Supply	10	0.006	38.4	0.2	13	10	20	5	5
1010018-017	Public Supply	10	0.011	25.2	0.2	13	10	20	5	5
1010049-003	Public Supply	10	0.005	20	0.2	13	32.6	20	5	5
1010057-003	Public Supply	10	0.005	20	0.2	13	10	35.38	5	5
California MCLs		10	0.005	20*	0.2	13	10	20	5	5

Notes:
* = Currently no MCL value. USGS Health Based Screening Level listed instead.

South Kings GSA
Updated Groundwater Quality Monitoring Network and Corresponding Minimum Thresholds

Well ID	Well Type	Arsenic Minimum Threshold (mg/L)	DBCP Minimum Threshold (mg/L)	Chromium (VI) Minimum Threshold (mg/L)	MTBE Minimum Threshold (mg/L)	Nitrate as N Minimum Threshold (mg/L)	PCE Minimum Threshold (mg/L)	TCE Minimum Threshold (mg/L)	TCP Minimum Threshold (μg/L)	Uranium Minimum Threshold (pCi/L)
1010035-006	Public Supply	0.010	0.0002	0.05	0.013	10	0.005	0.005	0.019	20
1010035-007	Public Supply	0.010	0.0002	0.05	0.013	10	0.005	0.005	0.052	20
1010006-007	Public Supply	0.010	0.0002	0.05	0.013	10	0.005	0.005	0.007	20
1010006-008	Public Supply	0.010	0.00024	0.05	0.013	10	0.005	0.005	0.029	20
1010025-010	Public Supply	0.010	0.0002	0.05	0.013	16.8	0.005	0.005	0.400	20
1010025-012	Public Supply	0.010	0.0002	0.05	0.013	10	0.005	0.005	0.590	20
1010029-003	Public Supply	0.010	0.0041	0.05	0.013	10	0.005	0.005	0.005	20
1010029-022	Public Supply	0.010	0.00034	0.05	0.013	10	0.005	0.005	0.011	20
1010019-007	Public Supply	0.010	0.0002	0.05	0.013	10	0.005	0.005	0.005	20
1010019-009	Public Supply	0.010	0.0002	0.05	0.013	10	0.005	0.005	0.038	20
California MCLs		0.010	0.0002	0.05**	0.013	10	0.005	0.005	0.005	20

Notes:
** = Regulated under the Total Chromium MCL
Highlighted rows represent additions/changes to monitoring network from previous reporting period.