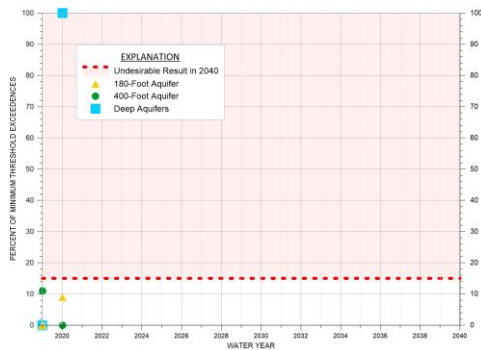


# Sustainable Management Criteria: 180/400-ft. Aquifer Subbasin Water Year 2020 Annual Report

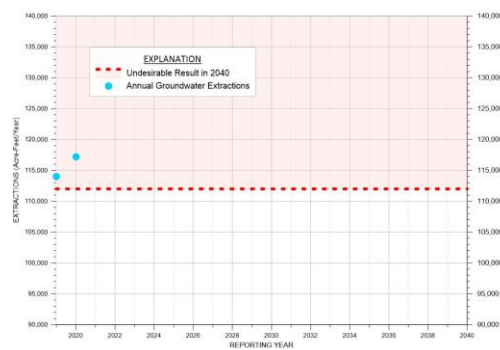
## 1. Chronic lowering of groundwater levels

SMC Established GSP	2020 Data
<b>Measurable Objective (MO):</b> Set to 2003 groundwater elevations	Only 3 wells (one in 180-Foot Aquifer and two in 400-Foot Aquifer) above MO in water year 2020
<b>Minimum Threshold (MT):</b> Set to 1 foot above 2015 groundwater elevations	2 wells (one in 180-Foot Aquifer and one in Deep Aquifers) below MT in water year 2020
<b>Undesirable Result:</b> No more than 15% of wells exceeded groundwater elevation MTs in any aquifer in any year, and no well shall exceed its MT for more than 2 consecutive years.	9% of wells exceeded groundwater elevation MTs in the 180-Foot Aquifer, 0% in the 400-Foot Aquifer, and 100% in the Deep Aquifers



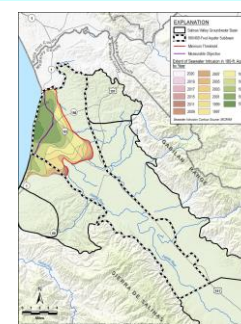
## 2. Reduction in groundwater storage

SMC Established GSP	2019 Result (most recent data)
<b>Measurable Objective and Minimum Threshold:</b> Pumping set to the estimated long-term future sustainable yield of 112,000 AF/yr. for the entire Subbasin	Groundwater pumping in 2019 was 117,200 AF/yr., 5,200 AF/yr. above the MT and MO
<b>Undesirable Result:</b> The total groundwater pumping shall not exceed the MT	Groundwater pumping in 2019 was 117,200 AF/yr., 5,200 AF/yr. above the MT and MO

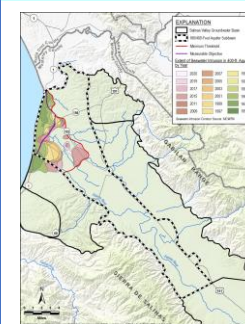


## 3. Seawater Intrusion

SMC Established GSP	2020 Result
<b>Measurable Objective:</b> The line defined by Highway 1 for the 180-Foot, 400-Foot, and Deep Aquifers	Seawater intrusion in the 180-Foot Aquifer and 400-Foot Aquifer continued with minimal advancement. Insufficient data are available to map seawater intrusion in the Deep Aquifers. This data gap will be addressed during GSP implementation.
<b>Minimum Threshold:</b> The 2017 extent of 500 mg/L chloride isocontour for the 180- and 400-Foot Aquifers, and the line defined by Highway 1 for the Deep Aquifers	The extent of seawater intrusion in the 180-Foot and 400-Foot Aquifers exceeded the 2017 extents



180-Foot Aquifer



400-Foot Aquifer

# Sustainable Management Criteria: 180/400-ft. Aquifer Subbasin Water Year 2020 Annual Report

## 4. Degraded groundwater quality

### SMC Established GSP

#### Measurable Objective and Minimum Threshold:

Set to a target number of wells known to exist above the regulatory exceedance standard or agricultural limits for each constituent of concern

#### Undesirable Result:

On average during any one year, no groundwater quality MT shall be exceeded as a direct result of projects or management actions taken as part of GSP implementation.

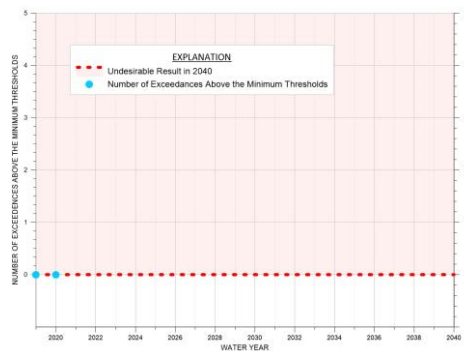
### 2020 Result



No exceedances above the MTs/MOs for any constituent of concern in 2020



No exceedances above the MTs in 2020



## 5. Land Subsidence

### SMC Established GSP

#### Measurable Objective and Minimum Threshold:

Zero net long-term subsidence

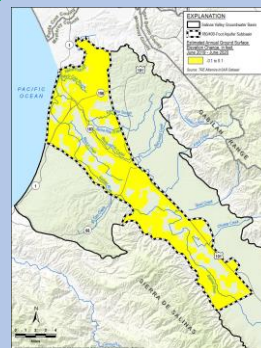
#### Undesirable Result

Zero exceedances of the MT for subsidence in any one year.

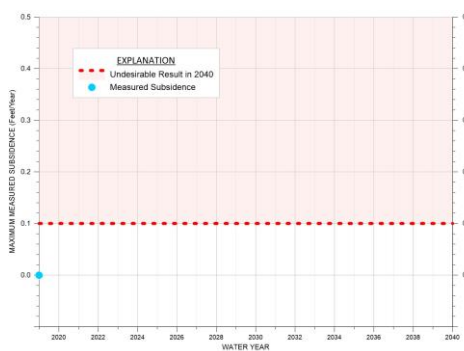
### 2020 Result



Data shows negligible subsidence



Subsidence did not exceed the 20-year planning horizon undesirable result



## 6. Depletion of interconnected surface water

### SMC Established GSP

#### Measurable Objective and Minimum Threshold

Set to the estimated average historical rate of stream depletion, adjusted for climate change. This is currently estimated to be 69,700 AF/yr.

#### Undesirable Result:

The depletion of interconnected surface waters shall not exceed the MT.

### 2020 Result

No reliable surface water depletion data from WY 2020 exist to compare to the MO, MT, and 2040 planning horizon undesirable result. This data gap will be filled with the Salinas Valley Integrated Hydrologic Model and installation of shallow groundwater wells during GSP implementation.