

Wyandotte Creek Subbasin	
Sustainability Goal	To ensure that groundwater is managed to provide a water supply of adequate quantity and quality to support rural areas and small communities, the agricultural economic base of the region, and environmental uses now and in the future.
Declining GWL	
Definition	An Undesirable Result is experienced if sustained groundwater levels are too low to provide a water supply of adequate quantity and quality to support rural areas and small communities, and the agricultural economic base of the region, or if significant and unreasonable impacts to environmental uses of groundwater occur.
Identification	One RMS well within the Wyandotte Creek Oroville Management Area and Two RMS wells within the Wyandotte Creek South Management Area reach their MT for two consecutive non-dry year-types.
Minimum Thresholds	15th percentile of shallowest domestic wells using refined DWR database (includes wells installed since 1980) based on the elevation of the bottom of the wells within a 3-mile radius of the RMS well.
Measurable Objectives	The groundwater level based on the groundwater trend line for the dry periods (over the period of record) of observed short-term climatic cycles extended to 2030.
Representative Monitoring Network (ex. # of wells)	9
Change in Storage	
Definition	An Undesirable Result is experienced if sustained groundwater storage volumes are insufficient to support rural areas and small communities, the agricultural economic base of the region, and environmental uses for suitable habitat.
Identification	[Same as for GWLs] One RMS well within the Wyandotte Creek Oroville Management Area and Two RMS wells within the Wyandotte Creek South Management Area reach their MT for two consecutive non-dry year-types.
Minimum Thresholds	15th percentile of shallowest domestic wells using refined DWR database (includes wells installed since 1980) based on the elevation of the bottom of the wells within a 3-mile radius of the RMS well.
Measurable Objectives	The groundwater level based on the groundwater trend line for the dry periods (over the period of record) of observed short-term climatic cycles extended to 2030.
Representative Monitoring Network (ex. # of wells)	9, same as GWLs
Degraded Groundwater Quality	
Definition	An Undesirable Result is experienced if groundwater pumping compromises the long-term viability of rural areas and small communities, the agricultural economic base of the region, and environmental uses for suitable habitat.
Identification	This occurs in the Wyandotte Creek subbasin when two RMS wells over the entire Wyandotte Creek Subbasin exceed their MT for two consecutive non-dry years.
Minimum Thresholds	The upper Secondary Maximum Contaminant Level (1600 µS/cm) for specific conductance based on the State Secondary Drinking Water Standards.
Measurable Objectives	The recommended Secondary Maximum Contaminant Level (900 µS/cm) for specific conductance based on the State Secondary Drinking Water Standards.
Representative Monitoring Network (ex. # of wells)	6
Subsidence	
Definition	An Undesirable Result is experienced if groundwater pumping leads to changes in the ground surface elevation severe enough to disrupt critical infrastructure, development of projects that enhance the viability of rural areas, small communities, and the agricultural economic base of the region.
Identification	[Same as for GWLs] One RMS well within the Wyandotte Creek Oroville Management Area and Two RMS wells within the Wyandotte Creek South Management Area reach their MT for two consecutive non-dry year-types.
Minimum Thresholds	15th percentile of shallowest domestic wells using refined DWR database (includes wells installed since 1980) based on the elevation of the bottom of the wells within a 3-mile radius of the RMS well.
Measurable Objectives	The groundwater level based on the groundwater trend line for the dry periods (over the period of record) of observed short-term climatic cycles extended to 2030.
Representative Monitoring Network (ex. # of wells)	9, same as GWLs
Interconnected Surface Water	
Definition	Avoiding significant and unreasonable depletion of surface water flows caused by groundwater pumping that significantly impacts beneficial uses
Identification	[Same as for GWLs] One RMS well within the Wyandotte Creek Oroville Management Area and Two RMS wells within the Wyandotte Creek South Management Area reach their MT for two consecutive non-dry year-types.
Minimum Thresholds	15th percentile of shallowest domestic wells using refined DWR database (includes wells installed since 1980) based on the elevation of the bottom of the wells within a 3-mile radius of the RMS well.
Measurable Objectives	The groundwater level based on the groundwater trend line for the dry periods (over the period of record) of observed short-term climatic cycles extended to 2030.
Representative Monitoring Network (ex. # of wells)	9, same as GWLs
Data Gaps	Data needed to develop this SMC includes: definition of stream reaches and associated priority habitat, streamflow measurements to develop profiles at multiple time periods, and measurements of groundwater levels directly adjacent to stream channels, first water bearing aquifer zone, and deeper aquifer zones.