

**Water Supply Assessment and  
Water Supply Verification  
for the Proposed  
Coachella Airport Business Park Project**

**Prepared for:**



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July 2022

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# 1 Summary and Requirements

The environmental review of the Coachella Airport Business Park (Project) is being prepared in compliance with the California Environmental Quality Act (CEQA) process. The City of Coachella is the Lead Agency for the planning and environmental review of the proposed Project. The City of Coachella has identified the Coachella Water Authority (CWA) as the Public Water System (PWS) that will supply water for the proposed Project and has requested that CWA assist in preparing a Water Supply Assessment/Water Supply Verification (WSA/WSV) as part of the environmental review for the Project.

The Project is located in the eastern portion of the Coachella Valley within the City of Coachella, Riverside County. The Project proposes to develop approximately 42.36 acres of vacant land to include Large Warehouse with a Cooling Tower (135,340 SF), Large Warehouse with a Cooling Tower and Cannabis Cultivation (97,760 SF), Small Warehouse (96,000 SF), Small Business (81,000 SF), Brick Yard (76,800 SF), Self-Storage (133,900 SF), and Retail comprised of a Service Station/Mini Mart (4,000 SF) and Drive-Thru Fast Food Restaurant (4,650 SF). In total, the Project will have 245,274 square feet of outdoor landscaping, 971,824 square feet of impervious surfaces (driveways, parking, medians, etc.), 300,350 square feet of commercial uses, and 329,100 square feet of industrial uses.

This WSA/WSV determined that the total projected water demand for the Project is 104.67 AFY, or 2.47 acre-feet per acre. This WSA/WSV demonstrates that sufficient water supplies exist, or will exist based on current water planning assumptions, to meet the projected demands of the Project, in addition to current and future projected water demands within CWA's service area in normal, single-dry, and multiple-dry years over a 20-year projection. This WSA/WSV will be reviewed every five years, or in the event that the water planning assumptions have changed, until the Project completes construction to ensure it remains accurate and no significant changes to either the Project or available water supply has occurred. This WSA/WSV does not relieve the Project from complying with all applicable state, county, city, and local ordinances or regulations including the CVWD Landscape Ordinance, and indoor water use performance standards provided in the California Water Code (CWC).

## 1.1 Regulatory Requirements

This WSA/WSV provides an assessment and verification of the availability of sufficient water supplies during normal, single-dry, and multiple-dry years over a 20-year projection to meet the projected demands of the Project, in addition to existing and planned future water demands of CWA, as required by Senate Bill 610 (SB 610), SB 221, and SB 1262. This WSA/WSV also includes identification of existing water supply entitlements, water rights, water service contracts, or agreements relevant to the identified water supply for the Project and quantities of water received in prior years pursuant to those entitlements, rights, contracts, and agreements.

This WSA/WSV has been prepared in compliance with the requirements under SB 610, SB 221, and SB 1262 by MSA Consulting, Inc. in consultation with CWA and the City of Coachella. This

WSA/WSV does not relieve the Project from complying with all applicable state, county, city, and local ordinances or regulations, including the CVWD Landscape Ordinance and indoor water use performance standards provided in the California Water Code (CWC). This WSA/WSV will be reviewed every five years, or in the event that the water planning assumptions have changed, until the Project completes construction, to ensure it remains accurate and no significant changes to either the Project or available water supply has occurred. The Project applicant shall notify CWA when construction begins. If neither the Project applicant nor the Lead Agency contacts CWA within five years of approval of this WSA/WSV, it will be assumed that the Project no longer exists and the WSA/WSV provided by this document will become invalid.

### **1.1.1 Senate Bill 610**

On January 1, 2002, Senate Bill 610 (SB 610) was enacted and codified in CWC Section 10910 et seq., requiring the preparation of a Water Supply Assessment (WSA) for certain new development projects. As stated in SB 610, the purpose of a WSA is to determine whether the PWS's "total projected water supplies available during normal, single-dry, and multiple-dry water years during a 20-year projection will meet the projected water demand associated with the proposed project, in addition to the PWS's existing and planned future uses, including agricultural and manufacturing uses."

CWC Section 10912 defines a "project" as any of the following:

- A proposed residential development of more than 500 dwelling units;
- A proposed shopping center or business establishment employing more than 1,000 persons or having more than 500,000 square feet of floor space;
- A proposed commercial office building employing more than 1,000 persons or having more than 250,000 square feet of floor space;
- A proposed hotel or motel, or both, having more than 500 rooms;
- A proposed industrial, manufacturing, or processing plant, or industrial park, planned to house more than 1,000 persons, occupying more than 40 acres of land, or having more than 650,000 square feet of floor space;
- A mixed-use project that includes one or more of the projects specified in this subdivision; or
- A project that would demand an amount of water equivalent to, or greater than, the amount of water required by a 500 dwelling unit project (about 250 acre-feet per year).

The intent of SB 610 is to improve the link between information on water supply availability and certain land-use decisions made by cities and counties.

### **1.1.2 Senate Bill 221**

On January 1, 2002, Senate Bill 221 (SB 221) was enacted and amended Section 11010 of the Business and Professional Code. SB 221 also amended Section 65867.5 to add Section 66455.3

and 66473.7 to the Government Code. SB 221 establishes the relationship between the WSA prepared for a project and project approval under the Subdivision Map Act. Pursuant to CWC Section 66473.7, the PWS must provide a written verification of sufficient water supply prior to the approval of a new subdivision. SB 221 states that “a Water Supply Verification (WSV) is required prior to approval of a tentative subdivision map, or a parcel map for which a tentative map is not required, or a development agreement for a subdivision of property of more than 500 dwelling units, except as specified, including the design of the subdivision or similar type of improvement.”

### **1.1.3 Senate Bill 1262**

On January 1, 2017, Senate Bill 1262 (SB 1262) was enacted and amended CWC Section 10910, requiring that information regarding the Sustainable Groundwater Management Act (SGMA) be included in a WSA if the water supply for a proposed project includes groundwater from a basin that is not adjudicated and was designated medium- or high-priority by the California Department of Water Resources (DWR).

## **1.2 Water Management Planning Documents**

CVWD has prepared long-term planning documents to better manage the water supplies within its service area. These planning documents can be used for compliance with SB 610, SB 221, and SB 1262, and are discussed in further detail in the following sections.

### **1.2.1 Urban Water Management Planning Act**

The Urban Water Management Planning Act (UWMPA) was established by Assembly Bill 797 (AB 797) on September 21, 1983, and passage of this law recognized that water is a limited resource and that efficient water use and conservation would be actively pursued throughout the State. The UWMPA requires that municipal water suppliers providing either directly or indirectly to more than 3,000 customers or supplying more the 3,000 acre-feet per year (AFY), prepare and adopt an Urban Water Management Plan (UWMP) every five years which defines their current and future water use, source of supply, source reliability, and existing conservation measures.

#### **1.2.1.1 Coachella Water Authority Urban Water Management Plan**

CWA is required to prepare an Urban Water Management Plan (UWMP) every five years in response to the requirements of the UWMP Act and Water Conservation Act of 2009 (SBx7-7). CWA prepared and adopted its 2010 and 2015 UWMP to document CWA’s projected water demands and plans for delivering water supplies to its water service area during normal, single-dry, and multiple-dry years over a 20-year projection.

The six urban water suppliers in the Coachella Valley (CWA, Coachella Valley Water District (CVWD), Desert Water Agency (DWA), Indio Water Authority (IWA), Mission Springs Water District (MSWD), and Myoma Dunes Mutual Water Company) collaboratively prepared the 2020 Coachella Valley Regional UWMP, including regional and individual agency content and other

necessary elements as set forth in DWR's 2020 UWMP Guidebook. The 2020 Coachella Valley Regional UWMP was submitted to DWR on July 1, 2021.

### **1.2.2 Sustainable Groundwater Management Act**

In September 2014, Governor Brown signed three bills into law: Assembly Bill 1739, Senate Bill 1319, and Senate Bill 1168, which became collectively known as the Sustainable Groundwater Management Act (SGMA), creating a framework for sustainable, local groundwater management for the first time in California history. DWR evaluated and prioritized the 515 groundwater basins identified in Bulletin 118, and 94 of these groundwater basins were designated as high- or medium-priority basins, as of December 2019, requiring them to be sustainably managed within 20 years. SGMA required local authorities to form local Groundwater Sustainability Agencies (GSAs) by June 30, 2017, to evaluate conditions in their local groundwater basins and adopt locally-based Groundwater Sustainability Plans (GSPs), or Alternatives to a GSP (Alternative Plans), tailored to their regional economic and environmental needs.

As defined by DWR, the subbasins of the Coachella Valley Groundwater Basin are the Indio, Mission Creek, San Geronio Pass, and Desert Hot Springs Subbasins. CWA produces all of its water supplies from the Indio Subbasin, specifically the East Whitewater River Subbasin. The Indio Subbasin has been designated medium-priority by DWR and is subject to the requirements of SGMA. The Project is located within the Indio Subbasin, which has been designated as a medium-priority groundwater basin by DWR under SGMA.

#### **1.2.2.1 Alternative Plan for the Indio Subbasin**

Twenty years before the adoption of SGMA, CVWD began the development of the initial water management plan for the Coachella Valley in 1994 after recognizing the need to sustainably manage the Coachella Valley Groundwater Basin. The original planning document is the 2002 Coachella Valley Water Management Plan (CVWMP). The 2002 CVWMP was updated in 2010 and adopted in 2012.

CVWD, DWA, CWA, and IWA, are the Indio Subbasin GSAs designated by DWR for their respective service areas. On December 29, 2016, CVWD, DWA, CWA, and IWA collaboratively submitted the 2010 CVWMP Update as an Alternative Plan for the Indio Subbasin, with an associated Bridge Document and supporting documents, to DWR for review and evaluation. On July 17, 2019, DWR determined that the Alternative Plan for the Indio Subbasin satisfies the objectives of SGMA and notified the Indio Subbasin GSAs that the Alternative Plan was approved, and that they would be required to submit an assessment and update of the Alternative Plan pursuant to the SGMA by January 1, 2022 and every five years thereafter. The 2022 Alternative Plan Update for the Indio Subbasin was submitted to DWR on December 29, 2021.

On February 1, 2018, DWR notified all GSAs who submitted Alternative Plans that they would be required to submit annual reports pursuant to SGMA by April 1, 2018 and every year thereafter. CVWD, DWA, CWA, and IWA have collaboratively prepared and submitted the Indio Subbasin Annual Reports for Water Years 2016-2017 through 2020-2021.



### ***1.2.2.2 Alternative Plan for the Mission Creek Subbasin***

In 2004, CVWD, DWA, and MSWD reached an agreement and created the Mission Creek Subbasin Management Committee (Management Committee). The Management Committee jointly prepared the 2013 Mission Creek-Garnet Hill Subbasin Water Management Plan (2013 MC-GH WMP).

On December 29, 2016, CVWD, DWA, and MSWD collaboratively submitted the 2013 MC-GH WMP as an Alternative Plan for the Mission Creek Subbasin, with an associated Bridge Document and supporting documents, to DWR for review and evaluation. On July 17, 2019, DWR determined that the Alternative Plan for the Mission Creek Subbasin satisfies the objectives of SGMA and notified the Management Committee that the Alternative Plan was approved, and that they would be required to submit an assessment and update of the Alternative Plan pursuant to SGMA by January 1, 2022 and every five years thereafter. The 2022 Alternative Plan Update for the Mission Creek Subbasin was submitted to DWR on December 30, 2021.

On February 1, 2018, DWR notified all GSAs who submitted Alternative Plans that they would be required to submit annual reports pursuant to SGMA by April 1, 2018 and every year thereafter. CVWD, DWA, and MSWD have collaboratively prepared and submitted the Mission Creek Subbasin Annual Reports for Water Years 2016-2017 through 2020-2021.

### **1.2.3 Groundwater Replenishment**

State Water Code (SWC) 31630-31639 provides CVWD with the authority to levy and collect water replenishment assessments to implement groundwater replenishment programs (GRPs) within its jurisdictional boundary. Groundwater replenishment is necessary to mitigate overdraft of the groundwater basin and associated undesirable results. The jurisdictional areas that benefit from the GRPs, and where CVWD levies replenishment assessments on groundwater production, are termed Areas of Benefit (AOBs). There are three AOBs within CVWD's boundary: the Mission Creek Subbasin AOB, the West Whitewater River Subbasin AOB, and the East Whitewater River Subbasin AOB. The GRP for the West Whitewater River Subbasin AOB was formed in 1976, the GRP for the Mission Creek Subbasin AOB was formed in 2003, and the GRP for the East Whitewater River Subbasin AOB was formed in 2004. The Project is located within the East Whitewater River Subbasin AOB.

#### ***1.2.3.1 Annual Engineer's Reports***

CVWD is required to prepare and present to its Board of Directors annually an Engineer's Report on Water Supply and Replenishment Assessment on the conditions of the groundwater supplies and recommend Replenishment Assessment Charges (RACs) to be levied upon groundwater production greater than 25 AFY within each AOB in accordance with SWC 31630-31639. The Engineer's Report must include the following information: a summary of the conditions of groundwater supplies; the need for replenishment; a description of the replenishment programs, including the source and amount of replenishment waters, the costs associated with the GRP, the areas directly and indirectly benefited by the GRP, and the amount of groundwater produced

in each area during the prior year; and a recommendation for the RAC to be levied on each AOB. The 2021-2022 Engineer's Report on Water Supply and Replenishment Assessment was prepared and presented to CVWD's Board of Directors on April 27, 2021.

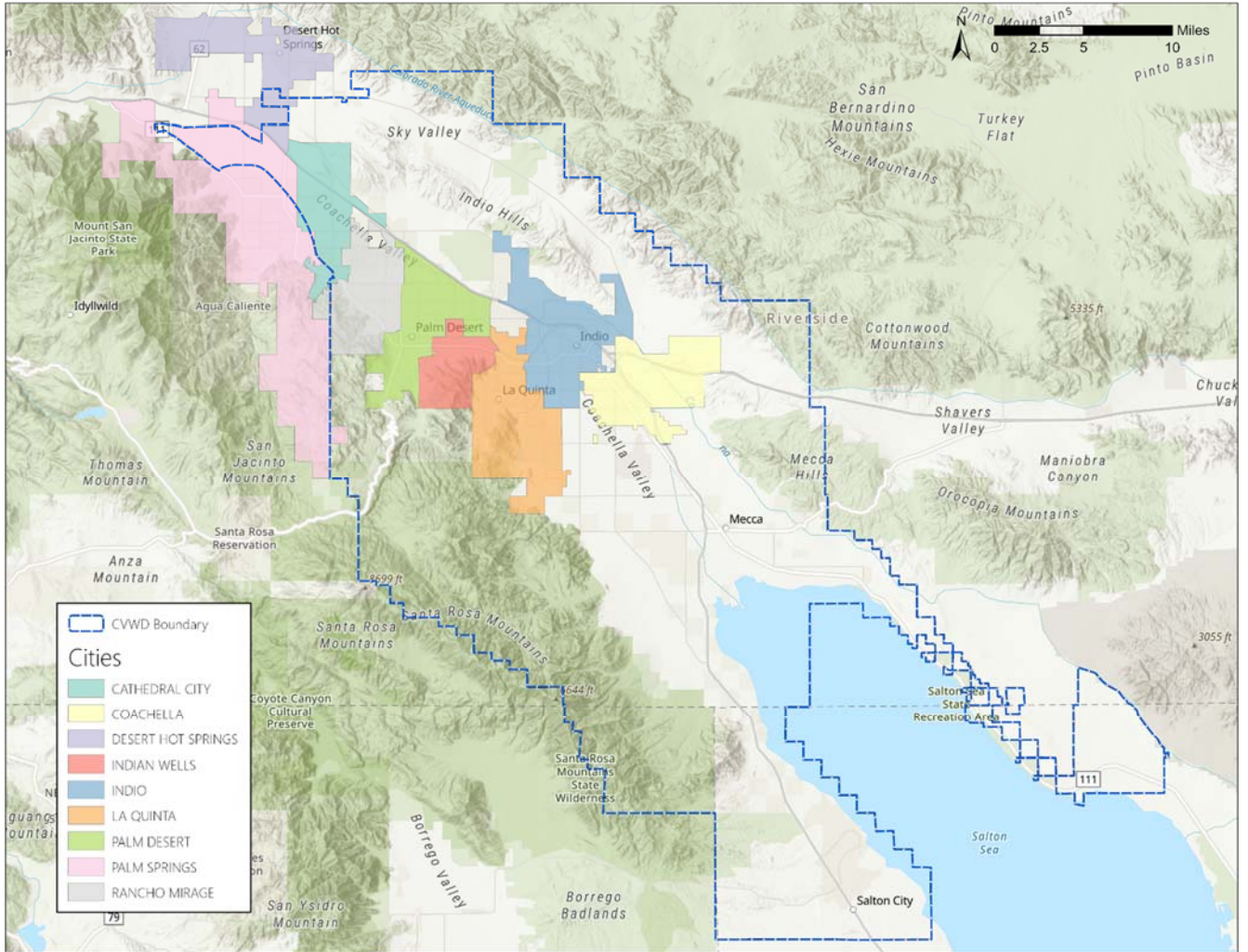
## 2 Public Water System

The City of Coachella is the Lead Agency for the planning and environmental review of the proposed Coachella Airport Business Park (Project). The City of Coachella has identified the Coachella Water Authority (CWA) as the Public Water System (PWS) that will supply water for the proposed Project and has requested that CWA assist in preparing a Water Supply Assessment/Water Supply Verification (WSA/WSV) as part of the environmental review for the Project.

### 2.1 Coachella Water Authority

CWA was established in 1957 and is administered and managed by the Utilities General Manager under direct supervision of the City Manager. The City of Coachella provides the following water-related services: domestic water delivery, wastewater collection and reclamation, local drainage control, and water conservation. In addition, the City manages the Coachella Sanitary District that operates a 4.5 MGD secondary treatment wastewater facility. While CWA is responsible for the water supply for its residents, the City pays a replenishment charge to Coachella Valley Water District (CVWD). CVWD's boundary encompasses approximately 640,000 acres as shown in **Figure 2-1**, mostly within Riverside County, but also extending into northern Imperial and San Diego Counties. CWA's water service area lies within the City's boundaries, serving the more densely populated areas to the west and commercial/resort areas to the north. The service area covers approximately 32 percent of the City Limits with a total area of approximately 10 square miles.

**Figure 2-1: Coachella Valley Water District Boundary and Cities**



### 2.1.2 Potable Water Distribution Systems

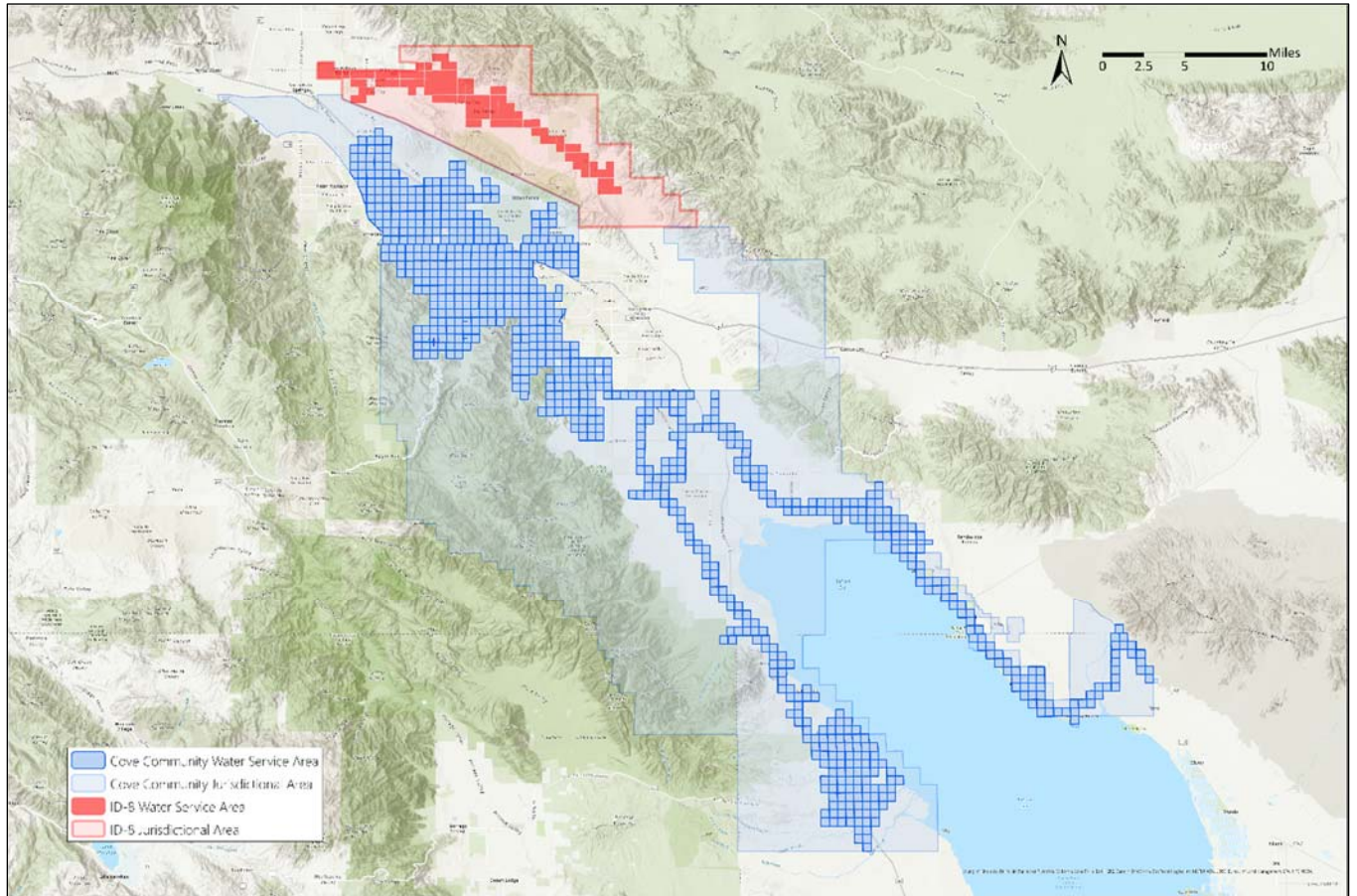
CVWD has two domestic water service areas that serve potable water to its local communities: the Cove Communities system and Improvement District No. 8 (ID-8) as shown in **Figure 2-2**. CVWD previously had three water systems, but ID-11 was consolidated into the Cove Communities system in March 2021. CVWD had approximately 112,609 domestic water connections and served approximately 93,648 acre-feet (AF) of water in 2021. CWA increased water connections from 6,823 to 8,037 for an increase of 17.7% from 2005 to 2015. However, between 2010 and 2015 the increase was only 1.8 percent, likely a result of the economic downturn. Since 2005, total single-family residential water services connections increased from 80.6 percent to 88.1 percent.

CVWD serves all of the Cities of Rancho Mirage, Thousand Palms, Palm Desert, Indian Wells, and La Quinta, and a portion of Indio, Coachella, and Cathedral City. Other areas served with domestic water within the CVWD boundary include a portion of lands near Desert Hot Springs and the Indio



Hills. CVWD also serves other unincorporated communities including Thermal, Mecca, Oasis, Desert Shores, Salton Sea Beach, Salton City, North Shore, Bombay Beach, Hot Mineral Springs, and other portions of unincorporated Riverside and Imperial Counties. The Project is located within CVWD’s Cove Community domestic water distribution system.

**Figure 2-2: Coachella Valley Water District Domestic Water Service Areas**



The 2020 Regional UMWP projected that population in CVWD’s urban water service area would increase as shown in **Table 2-1**.

**Table 2-1: Current and Projected Population for CVWD’s Service Area**

Population Served	2020	2025	2030	2035	2040	2045
	268,952	292,077	315,202	338,274	360,813	383,300

Source: 2020 Coachella Valley Regional Urban Water Management Plan

## 2.2 Coachella Valley Hydrology

The bulk of natural groundwater replenishment comes from runoff from the adjacent mountains. Climate in the Coachella Valley is characterized by low humidity, high summer temperatures, and mild dry winters. Average annual precipitation varies from 3 to 6 inches of rain on the Coachella

Valley floor to more than 30 inches in the surrounding mountains. Most of the precipitation occurs between December and February, except for summer thundershowers. Prevailing winds in the area are usually gentle, but occasionally increase to velocities as high as 30 miles per hour or more. Mid-summer temperatures commonly exceed 100 degrees Fahrenheit (°F), frequently reach 110 °F, and periodically reach or exceed 120 °F, and the average winter temperature is approximately 60 °F as shown in **Table 2-2** and **Table 2-3**.

**Table 2-2: Monthly Average Climate Data for Palm Springs**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
<b>Max (°F)<sup>1</sup></b>	71	73	80	86	94	104	108	107	102	90	78	69	89
<b>Min (°F)<sup>1</sup></b>	47	49	54	59	65	73	80	79	74	64	53	46	62
<b>Rain (in)<sup>1</sup></b>	0.95	0.92	0.36	0.10	0.02	0.00	0.25	0.14	0.20	0.20	0.26	0.70	3.80
<b>ETo (in)<sup>2</sup></b>	2.5	3.4	5.6	7.1	8.3	8.7	8.1	7.5	6.2	4.7	2.9	2.2	67.2

Source: 2020 Coachella Valley Regional Urban Water Management Plan

<sup>1</sup> National Weather Service Forecast, Station Palm Springs Airport, 1998-2020

<sup>2</sup> CIMIS Station 208 – La Quinta II, 2007-2020

**Table 2-3: Monthly Average Climate Data for Thermal**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
<b>Max (°F)<sup>1</sup></b>	71	74	81	87	95	103	107	106	101	91	79	69	89
<b>Min (°F)<sup>1</sup></b>	39	43	49	55	63	69	76	75	68	57	45	38	56
<b>Rain (in)<sup>1</sup></b>	0.64	0.61	0.34	0.08	0.01	0.01	0.13	0.12	0.32	0.19	0.17	0.34	2.96
<b>ETo (in)<sup>2</sup></b>	2.7	3.9	6.4	8.0	9.3	9.3	9.6	9.1	7.1	5.3	3.2	2.4	70.2

Source: 2020 Coachella Valley Regional Urban Water Management Plan

<sup>1</sup> National Weather Service Forecast, Station Desert Resorts Regional Airport, 1990-2020

<sup>2</sup> CIMIS Station 218 – Thermal South, 2010-2020

### **3 Public Water System – Existing Supply and Demand**

Currently, all of Coachella Water Authority's (CWA's) urban potable water uses are supplied using groundwater from the East Whitewater River Subbasin, which is continually replenished by CVWD. In addition to groundwater, CVWD has imported water supplies from the State Water Project (SWP) and the Colorado River, and recycled water from water reclamation plants. These imported and recycled water supplies are used to meet CVWD's non-potable water demands and to replenish the groundwater basin.

#### **3.1 Groundwater**

Groundwater is the principal source of potable supply in the Coachella Valley and CWA obtains water from the East Whitewater River Subbasin of the Coachella Valley Groundwater Basin. CVWD has statutory authority to replenish local groundwater supplies and collect assessments necessary to support a groundwater replenishment program as provided in the County Water District Law (California Water Code section 30000, et seq.) and as a Groundwater Sustainability Agency (GSA) under the Sustainable Groundwater Management Act (SGMA). CVWD obtains groundwater from both the Indio and Mission Creek Subbasins of the Coachella Valley Groundwater Basin.

Groundwater, to be supplied to the Project, is also used by other domestic water suppliers and private pumpers for crop irrigation, fish farms, duck clubs, golf course irrigation, greenhouses, and industrial uses in the Coachella Valley.

##### **3.1.1 Coachella Valley Groundwater Basin**

The Coachella Valley Groundwater Basin is bounded on the north and east by the San Bernardino and Little San Bernardino Mountains, on the south and west by the Santa Rosa and San Jacinto Mountains, and on the south by the Salton Sea. At the west end of the San Gorgonio Pass, between Beaumont and Banning, the basin boundary is defined by a surface drainage divide separating the Coachella Valley Groundwater Basin from the Beaumont Groundwater Basin of the Upper Santa Ana Drainage Area.

The southern boundary is formed primarily by the watershed of the Mecca Hills and by the northwest shoreline of the Salton Sea running between the Santa Rosa Mountains and Mortmar. Between the Salton Sea and Travertine Rock, at the base of the Santa Rosa Mountains, the southern boundary crosses the Riverside County Line into Imperial and San Diego Counties.

Although there is interflow of groundwater throughout the Coachella Valley Groundwater Basin, fault barriers, constrictions in the basin profile, and areas of low permeability limit and control movement of groundwater. Based on these factors, the Coachella Valley Groundwater Basin has been divided into subbasins and subareas as described by DWR in 1964 and 2003, and by the United States Geological Survey (USGS) in 1974.

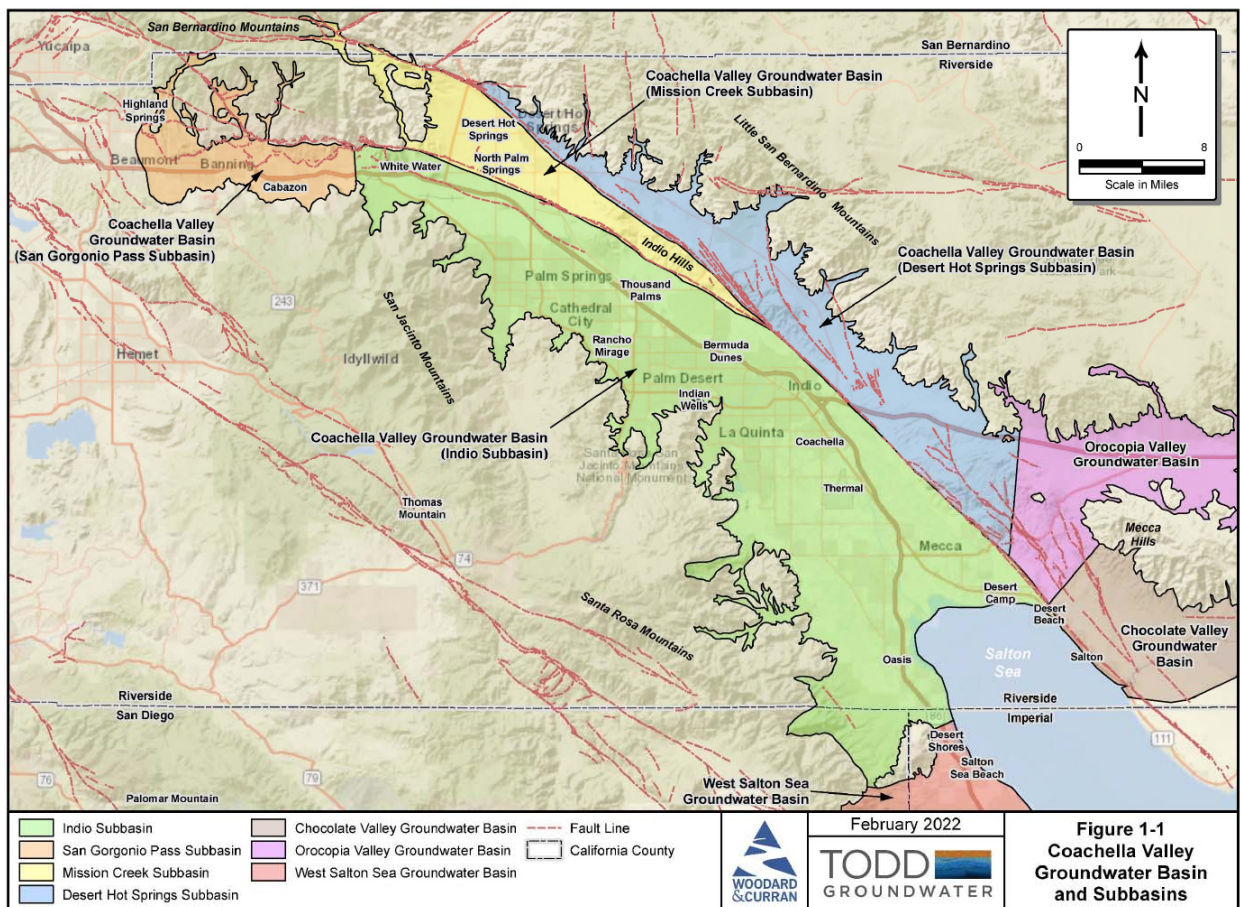


### 3.1.1.1 Coachella Valley Groundwater Basin – Subbasins

As shown on **Figure 3-1**, the subbasins of the Coachella Valley Groundwater Basin are the Indio, Mission Creek, San Gorgonio Pass, and Desert Hot Springs Subbasins. The subbasins are defined without regard to water quantity or quality. They delineate areas underlain by formations which readily yield stored groundwater through water wells and offer natural reservoirs for the regulation of water supplies.

The boundaries between subbasins within the Coachella Valley Groundwater Basin are generally defined by faults that impede the lateral movement of groundwater. Minor subareas have also been delineated based on one or more of the following geologic or hydrologic characteristics: types of water-bearing formations, water quality, areas of confined groundwater, forebay areas, groundwater divides, and surface drainage divides.

**Figure 3-1: Coachella Valley Groundwater Basin and Subbasins**



Source: Indio Subbasin Annual Report for Water Year 2020-2021

The following is a list of the subbasins in the Coachella Valley Groundwater Basin as designated by DWR in Bulletin 118:

- Indio Subbasin (Subbasin 7-21.01)



- Mission Creek Subbasin (Subbasin 7-21.02)
- San Gorgonio Pass Subbasin (Subbasin 7-21.03)
- Desert Hot Springs Subbasin (Subbasin 7-21.04)

DWR designated the Indio, Mission Creek, and San Gorgonio Pass Subbasins as medium-priority, and the Desert Hot Springs Subbasin as very low priority. None of the subbasins are adjudicated or in a state of overdraft.

In 1964, DWR estimated that the subbasins in the Coachella Valley Groundwater Basin contained approximately 39,200,000 acre-feet (AF) of water in the first 1,000 feet below the groundwater surface. The capacities of the subbasins are shown in **Table 3-1**.

**Table 3-1: Groundwater Storage in the Coachella Valley Groundwater Basin**

Subbasin/Subarea	Storage (AF) <sup>1</sup>
Indio Subbasin	
Palm Springs Subarea	4,600,000
Thousand Palms Subarea	1,800,000
Oasis Subarea	3,000,000
Garnet Hill Subarea	1,000,000
Thermal Subarea	19,400,000
<b>Indio Subbasin Subtotal</b>	<b>29,800,000</b>
Mission Creek Subbasin	2,600,000
San Gorgonio Subbasin	2,700,000
Desert Hot Springs Subbasin	4,100,000
<b>Total</b>	<b>39,200,000</b>

Source: DWR Bulletin 108 (1964)

<sup>1</sup> First 1,000 feet below ground surface. (DWR, 1964)

### 3.1.2 Groundwater Demand

Groundwater is the principal source of potable supply in the Coachella Valley and CWA obtains groundwater from the East Whitewater River Subbasin of the Coachella Valley Groundwater Basin, which is continually replenished by CVWD. CVWD obtains groundwater from both the Indio and Mission Creek Subbasins of the Coachella Valley Groundwater Basin. CVWD’s groundwater demand in the Coachella Valley Groundwater Basin for 2017 through 2021 is shown in **Table 3-2**.

**Table 3-2: CVWD Groundwater Demand in the Coachella Valley Groundwater Basin**

Groundwater Production (AF)	2017	2018	2019	2020	2021
Indio Subbasin	93,798	96,176	93,130	96,661	98,484
Mission Creek Subbasin	2,917	2,786	2,642	3,182	3,062
<b>Total</b>	<b>96,715</b>	<b>98,962</b>	<b>95,772</b>	<b>99,843</b>	<b>101,546</b>

### 3.1.3 Groundwater Sustainability

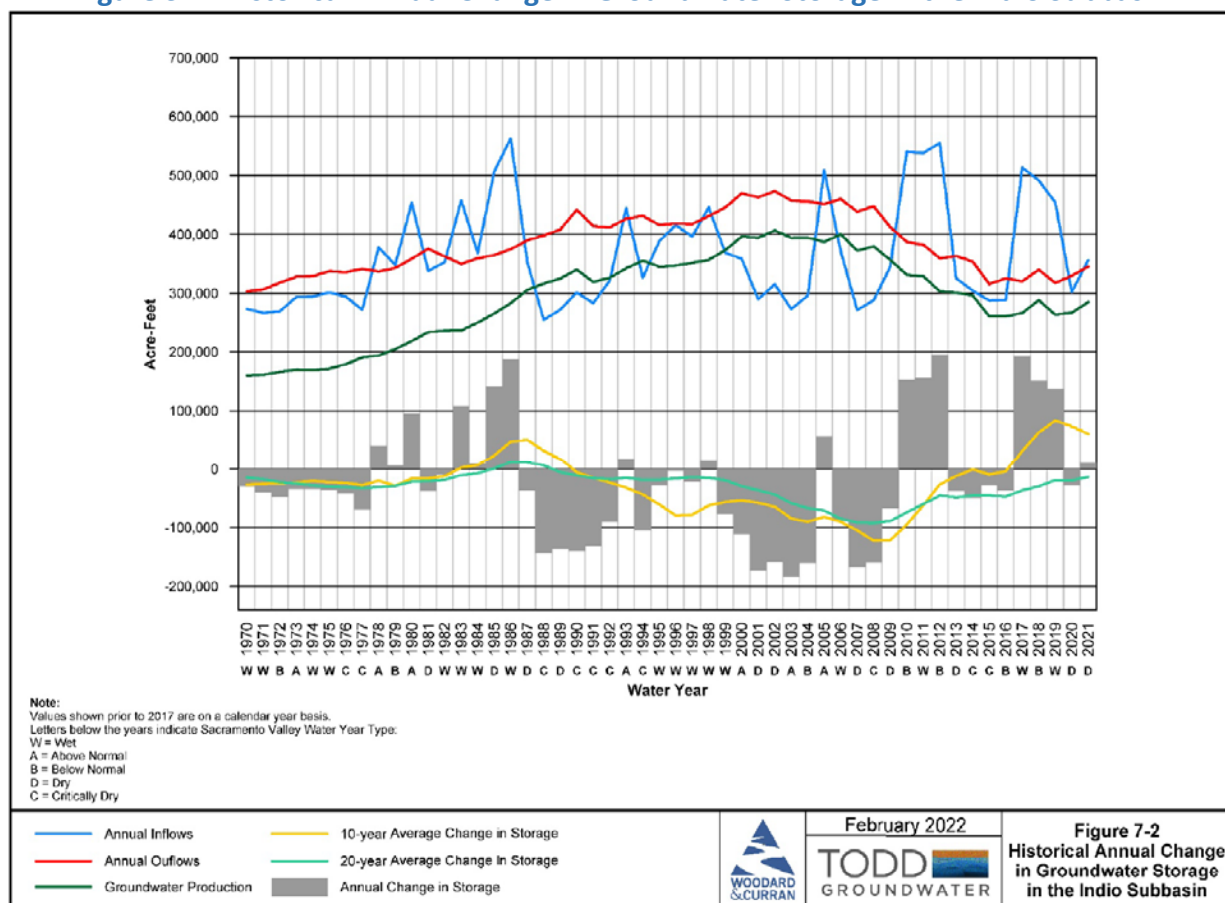
Long-term sustainability is typically assessed based on changes in groundwater storage over a historical period on the order of ten to twenty years that includes wet and dry periods.

#### 3.1.3.1 Indio Subbasin

**Figure 3-2** shows the historical annual change in groundwater storage from 1970 through Water Year (WY) 2020-2021 in the Indio Subbasin. The figure also shows annual inflows, outflows, groundwater production, and 10-year and 20-year running-average change in groundwater storage. During periods of high artificial recharge, the change in storage tends to be positive. In dry years or periods of high groundwater pumping, the change in storage is often negative.

As shown in **Figure 3-2**, annual inflows to the Indio Subbasin are highly variable with years of high inflows corresponding to wet years when SWP delivery volumes were greater. Higher inflows in the mid-1980s occurred when the Metropolitan Water District of Southern California (MWD) commenced large-scale advanced water deliveries to the Indio Subbasin. After an extended period of decline, both the 10-year and 20-year running-average change in storage have shown upward trends since 2009, and the 10-year running-average has been positive since 2017.

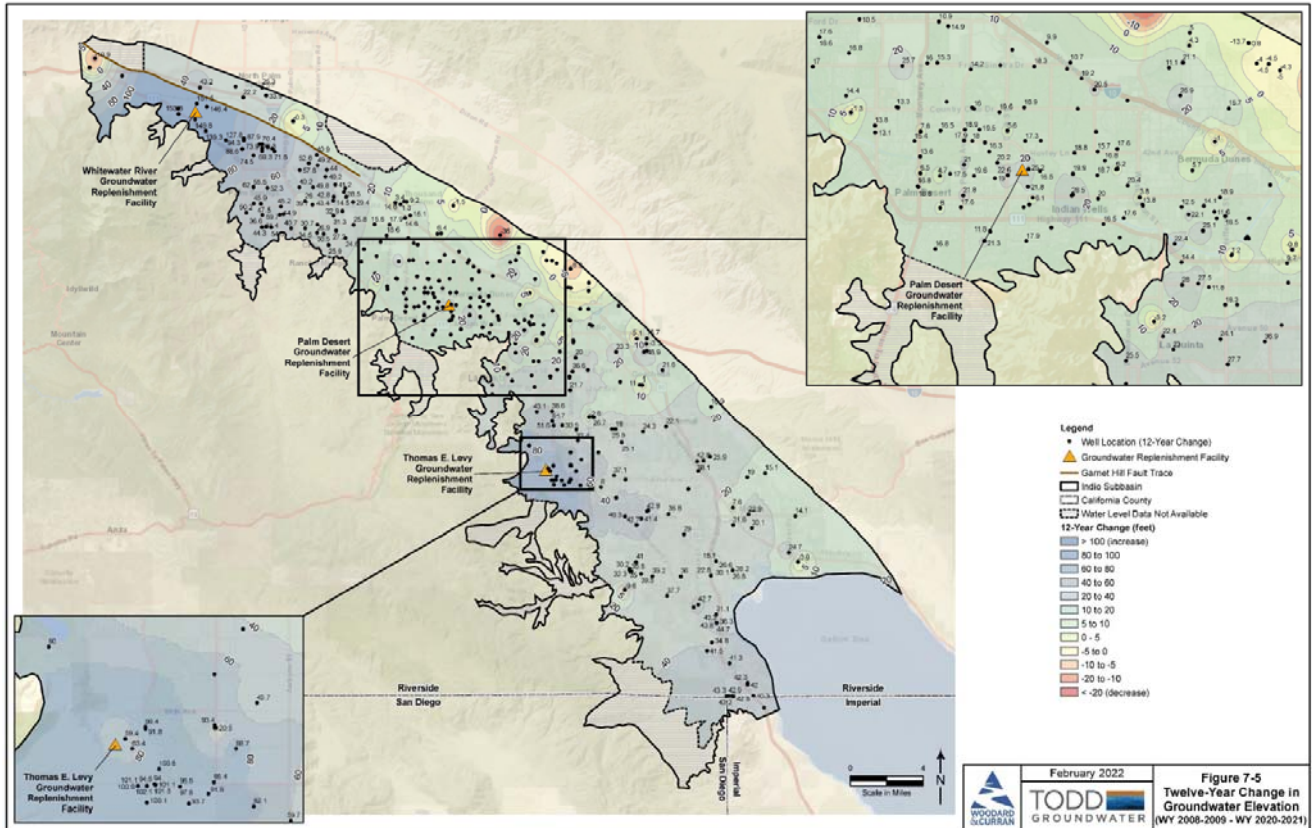
**Figure 3-2: Historical Annual Change in Groundwater Storage in the Indio Subbasin**



Source: Indio Subbasin Annual Report for Water Year 2020-2021

As shown in **Figure 3-3**, groundwater levels have increased significantly in the Indio Subbasin from WY 2008-2009 to WY 2020-2021. The 2022 Indio Subbasin Alternative Plan Update uses 2009 water levels as a metric of sustainability because historical low groundwater levels occurred in the years around 2009 throughout most of the Indio Subbasin. The Indio Subbasin shows a long-term positive trend in sustainability resulting from implementation of the Alternative Plan.

**Figure 3-3: 12-Year Change in Groundwater Elevation from Water Year 2008-2009 through Water Year 2020-2021 in the Indio Subbasin**



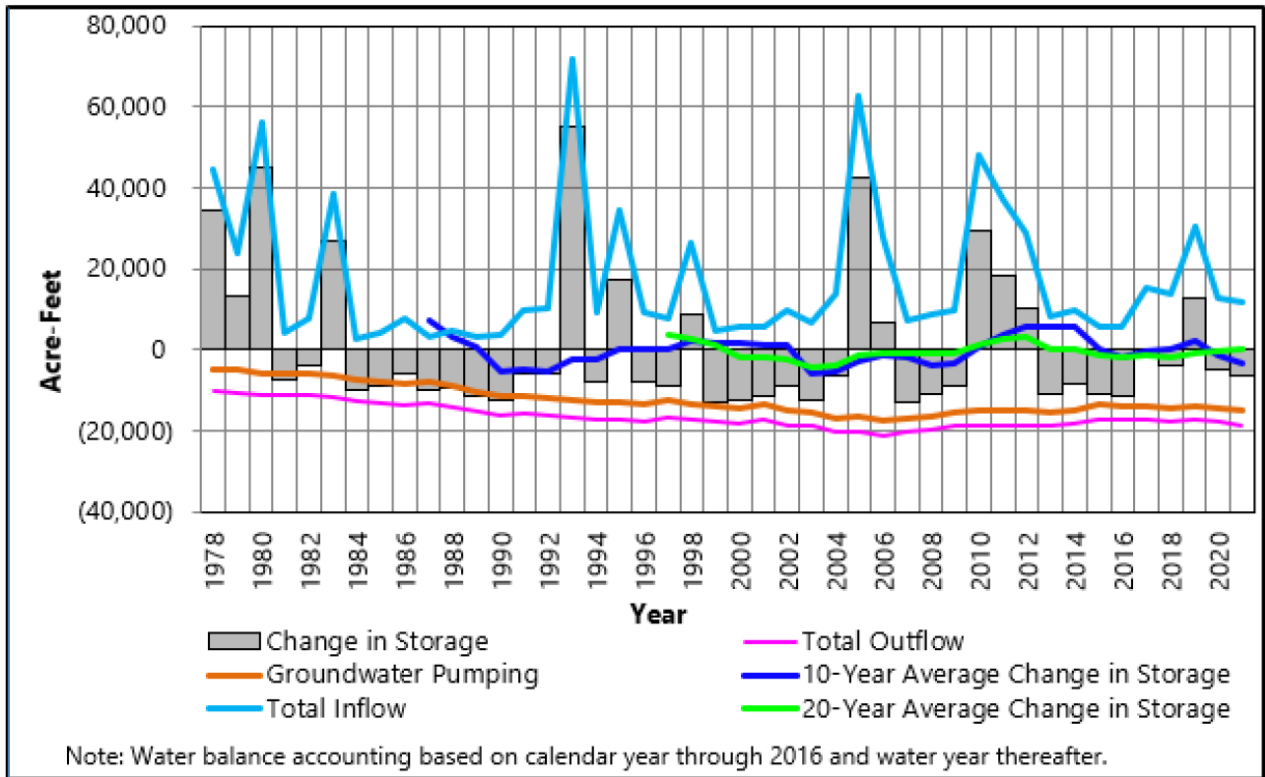
Source: Indio Subbasin Annual Report for Water Year 2020-2021

### 3.1.3.2 Mission Creek Subbasin

**Figure 3-4** shows the historical annual change in groundwater storage from 1978 through WY 2019-2020 in the Mission Creek Subbasin. The figure also shows annual inflows, outflows, groundwater production, and 10-year and 20-year running-average change in groundwater storage. During periods of high artificial recharge, the change in storage tends to be positive. In dry years or periods of high groundwater pumping, the change in storage is often negative.

As shown in **Figure 3-4**, after a period of decline, starting in 2004 both the 10-year and 20-year running-average change in groundwater storage have shown upward trends. Annual inflows to the Mission Creek Subbasin are highly variable with years of high inflows corresponding to years when SWP delivery volumes were greater. The 20-year running-average change in storage shows that the Mission Creek Subbasin has been in balance since 2012.

**Figure 3-4: Historical Annual Change in Groundwater Storage in the Mission Creek Subbasin**

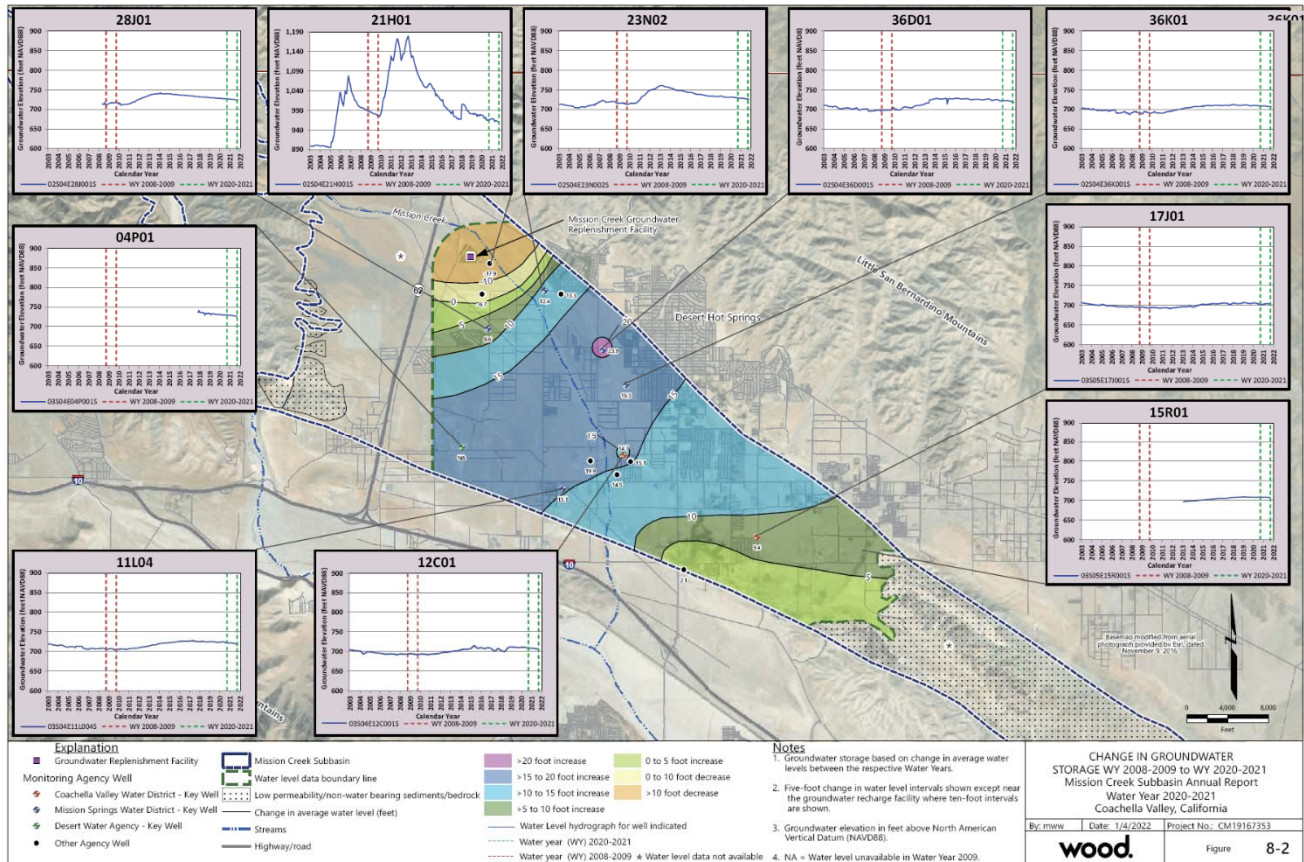


Source: Mission Creek Subbasin Annual Report for Water Year 2020-2021

Groundwater levels have increased significantly in the Mission Creek Subbasin over the past 10 years from WY 2008-2009 to WY 2020-2021 as shown in **Figure 3-5**. The 2022 Mission Creek Subbasin Alternative Plan Update uses 2009 water levels as a metric of sustainability because historical low groundwater levels occurred in the years around 2009 throughout most of the Mission Creek Subbasin. The Mission Creek Subbasin shows a long-term positive trend in sustainability resulting from implementation of the Alternative Plan.



**Figure 3-5: 12-Year Change in Groundwater Elevation from Water Year 2010-2011 through Water Year 2020-2021 in the Mission Creek Subbasin**



Source: Mission Creek Subbasin Annual Report for Water Year 2020-2021

### 3.2 Imported Water

The East Whitewater River Subbasin is regionally managed by CVWD, CWA, and IWA. CVWD has statutory authority to replenish local groundwater supplies and collect assessments necessary to support a groundwater replenishment program as provided in the Country Water District Law. CVWD has two sources of imported water available: Colorado River water delivered via the Coachella Canal and SWP water exchanged for Colorado River water delivered through the Colorado River Aqueduct. These imported water sources are used to recharge the groundwater basin and as an alternative to meet non-potable demands from irrigation of agriculture, golf, and urban uses that would have otherwise been met by pumping groundwater. In the future, if urban demand significantly increases, Colorado River water may be treated and delivered directly to customers through CVWD’s potable water distribution system.

#### 3.2.1 Colorado River Water

Colorado River water has been a significant water supply source for the Indio Subbasin since the Coachella Canal was completed in 1949. CVWD is the only agency in the Indio Subbasin that receives Colorado River water allocations. The Colorado River is managed and operated in accordance with the Law of the River, a collection of interstate compacts, federal and state

legislation, various agreements and contracts, an international treaty, a U.S. Supreme Court decree, and federal administrative actions that govern the rights to use Colorado River water within the seven Colorado River Basin states. The 1922 Colorado River Compact apportioned the waters of the Colorado River Basin between the Upper Colorado River Basin (i.e., Colorado, Wyoming, Utah, and New Mexico) and the Lower Basin (i.e., Nevada, Arizona, and California). The 1922 Colorado River Compact allocates 15 million AFY of Colorado River water as follows: 7.5 million AFY to the Upper Basin and 7.5 million AFY to the Lower Basin, plus up to 1 million AFY of surplus supplies. The Lower Basin's water was further apportioned among the three Lower Basin states by the 1928 Boulder Canyon Project Act and the 1931 Boulder Canyon Project Agreement, typically called the 1931 Seven Party Agreement, which allocates California's apportionment of Colorado River water among Palo Verde Irrigation District, Imperial Irrigation District (IID), CVWD, Metropolitan Water District of Southern California (MWD), City of Los Angeles, City of San Diego, and County of San Diego. The 1964 U.S. Supreme Court decree in *Arizona v. California* established Arizona's basic annual apportionment at 2.8 million AFY, California's at 4.4 million AFY, and Nevada's at 0.3 million AFY. Mexico is entitled to 1.5 million AFY of the Colorado River under the 1944 United States-Mexico Treaty for Utilization of Waters of the Colorado and Tijuana Rivers and of the Rio Grande. However, this treaty did not specify a required quality for water entering Mexico. In 1973, the United States and Mexico signed Minute No. 242 of the International Boundary and Water Commission requiring certain water quality standards for water entering Mexico. California's Colorado River supply is protected by the 1968 Colorado River Basin Project Act, which provides that in years of insufficient supply on the main stem of the Colorado River, supplies to the Central Arizona Project shall be reduced to zero before California will be reduced below 4.4 million AF in any year. This assures full supplies to the Coachella Valley, except in periods of extreme drought.

The Coachella Canal is a branch of the All-American Canal that brings Colorado River water into the Imperial and Coachella Valleys. Under the 1931 Seven Party Agreement, CVWD receives

330,000 AFY of Priority 3A Colorado River water diverted from the All-American Canal at the Imperial Dam. The Coachella Canal originates at Drop 1 on the All-American Canal and extends approximately 123 miles, terminating in CVWD's Lake Cahuilla. The service area for Colorado River water delivery under CVWD's contract with the U.S. Bureau of Reclamation (USBR) is defined as Improvement District No. 1 (ID-1), which encompasses 136,400 acres covering most of the East Valley and a portion of the West Valley north of Interstate 10. Under the 1931 Seven Party Agreement, CVWD has water rights to Colorado River water as part of the first 3.85 million AFY allocated to California. CVWD is in the third priority position along with IID.

In 2003, CVWD, IID, and MWD successfully negotiated the 2003 Quantification Settlement Agreement (2003 QSA), which quantifies Colorado River allocations through 2077 and supports the transfer of water between agencies. Under the 2003 QSA, CVWD has a base entitlement of 330,000 AFY. CVWD negotiated water transfer agreements with MWD and IID that increased CVWD supplies by an additional 123,000 AFY. CVWD's net QSA supply will increase to 424,000

AFY by 2026 and remain at that level until 2047, decreasing to 421,000 AFY until 2077, when the agreement terminates. As of 2021, CVWD’s available Colorado River water diversions at Imperial Dam under the QSA were 399,000 AFY. This includes the base entitlement of 330,000 AFY, the MWD/IID Transfer of 20,000 AFY, IID/CVWD First Transfer of 50,000 AFY, and IID/CVWD Second Transfer of 28,000 AFY. CVWD’s QSA diversions also deducts the -26,000 AFY transferred to San Diego County Water Authority (SDCWA) as part of the Coachella Canal Lining Project and the -3,000 AFY transfer to Indian Present Perfected Rights. Additionally, under the 2003 QSA, MWD transferred 35,000 AFY of its State Water Project (SWP) Table A Amount to CVWD. This SWP water is exchanged for Colorado River water and can be delivered at Imperial Dam for delivery via the Coachella Canal to the eastern portion of the Indio Subbasin or at Lake Havasu for delivery via the Colorado River Aqueduct to the western portion of the Indio Subbasin at the Whitewater River Groundwater Replenishment Facility (WWR-GRF). The 2019 Second Amendment guaranteed delivery of the 35,000 AFY from 2019 to 2026, for a total of 280,000 AFY of water to the WWR-GRF during that timeframe. MWD can deliver the water through CVWD’s Whitewater Service Connections (for recharge at WWR-GRF) or via the Advance Delivery account.

The MWD/IID Transfer originated in a 1989 agreement with MWD to receive 20,000 AF of its Colorado River supply. The 2019 Amended and Restated Agreement for Exchange and Advance Delivery of Water defined the exchange and delivery terms between MWD, CVWD, and DWA. The 2019 Second Amendment to Delivery and Exchange Agreement reduced CVWD’s annual delivery of the MWD/IID Transfer to 15,000 AFY, for a total of 105,000 AF, if taken at the Whitewater Service Connections (for recharge at WWR-GRF) between 2020 and 2026. For those seven years, MWD keeps the remaining 5,000 AFY, after which CVWD’s allocation increases back up to 20,000 AFY. CVWD’s total allocations under the QSA, including MWD’s transfer of 35,000 AFY and the MWD/IID Transfer, will increase from 424,000 AFY in 2020 to 459,000 AFY by 2026 and remain at that level for the remainder of the 75-year term of the QSA. **Table 3-3** lists total Colorado River entitlements under existing agreements.

**Table 3-3: CVWD Colorado River Entitlements (AFY)**

Diversion	2020	2025	2030	2035	2040	2045
Base Entitlement	330,000	330,000	330,000	330,000	330,000	330,000
1988 MWD/IID Approval Agreement	20,000	20,000	20,000	20,000	20,000	20,000
IID/CVWD First Transfer	50,000	50,000	50,000	50,000	50,000	50,000
IID/CVWD Second Transfer <sup>1</sup>	23,000	48,000	53,000	53,000	53,000	53,000
Coachella Canal Lining	-26,000	-26,000	-26,000	-26,000	-26,000	-26,000
Indian Present Perfected Rights Transfer	-3,000	-3,000	-3,000	-3,000	-3,000	-3,000
<b>QSA Diversions</b>	<b>394,000</b>	<b>419,000</b>	<b>424,000</b>	<b>424,000</b>	<b>424,000</b>	<b>424,000</b>
MWD SWP Transfer <sup>2</sup>	35,000	35,000	35,000	35,000	35,000	35,000
<b>Total Diversions</b>	<b>429,000</b>	<b>454,000</b>	<b>459,000</b>	<b>459,000</b>	<b>459,000</b>	<b>459,000</b>
Assumed Conveyance Losses (5%)	-21,200	-22,700	-22,950	-22,950	-22,950	-22,950
MWD/IID Approval Agreement Transfer <sup>3</sup>	-5,000	-5,000	0	0	0	0
<b>Total Available Deliveries</b>	<b>402,800</b>	<b>426,300</b>	<b>436,050</b>	<b>436,050</b>	<b>436,050</b>	<b>436,050</b>

Source: 2022 Alternative Plan Update for the Indio Subbasin

<sup>1</sup> The Second IID/CVWD Transfer began in 2018 with 13,000 AF of water. This amount increases annually by 5,000 AFY for a total of 53,000 AFY in 2026.

<sup>2</sup> The 35,000 AFY MWD/CVWD SWP Transfer may be delivered at either Imperial Dam or Whitewater River and is not subject to SWP or Colorado River reliability.

<sup>3</sup> Accounts for -5,000 AFY reduction in MWD/IID Approval Agreement deliveries from 2020-2026 per the 2019 Amendments with MWD.

The Colorado River deliveries to CVWD at the Imperial Dam/Coachella Canal from 2017 through 2021 are shown in **Table 3-4**.

**Table 3-4: Colorado River Deliveries to CVWD at the Imperial Dam/Coachella Canal**

Diversions (AF)	2017	2018	2019	2020	2021
Imperial Dam/Coachella Canal	335,321	338,035	343,971	350,618	357,543

Source: U.S. Bureau of Reclamation, Lower Colorado Region, Colorado River Accounting and Water Use Reports for Arizona, California, and Nevada. 2021 data is provisional.

CVWD’s recharge volumes of Colorado River water from 2017 through 2021 are shown in **Table 3-5**.

**Table 3-5: CVWD Groundwater Recharge of Colorado River Water**

Groundwater Recharge (AF)	2017	2018	2019	2020	2021
Thomas E. Levy GRF	34,614	33,348	36,143	37,536	37,971
Palm Desert GRF	0	0	7,757	9,700	10,633
<b>Total</b>	<b>34,614</b>	<b>33,348</b>	<b>43,900</b>	<b>47,236</b>	<b>48,604</b>

Source: 2022-2023 CVWD Annual Engineer’s Reports on Water Supply and Replenishment Assessment

### 3.2.2 State Water Project

The SWP is managed by DWR and includes 705 miles of aqueduct and conveyance facilities extending from Lake Oroville in Northern California to Lake Perris in Southern California. The SWP has contracts to deliver 4.172 million AFY to the State Water Contractors. The State Water Contractors consist of 29 public entities with long-term contracts with DWR for all, or a portion of, their water supply needs. In 1962 and 1963, DWA and CVWD, respectively, entered contracts with the State of California for a total of 61,200 AFY of SWP water. SWP water has been an important component of the region’s water supply mix since CVWD and DWA began receiving and recharging SWP exchange water at the WWR-GRF. Starting in 1973, CVWD and DWA began exchanging their SWP water with MWD for Colorado River water delivered via MWD’s Colorado River Aqueduct. Because CVWD and DWA do not have a physical connection to SWP conveyance facilities, MWD takes delivery of CVWD’s and DWA’s SWP water, and in exchange, delivers an equal amount of Colorado River water to the Whitewater Service Connections (for recharge at WWR-GRF and Mission Creek Groundwater Replenishment Facility). The exchange agreement was most recently re-established in the 2019 Amended and Restated Agreement for Exchange and Advance Delivery of Water.

Each SWP contract contains a “Table A” exhibit that defines the maximum annual amount of water each contractor can receive excluding certain interruptible deliveries. DWR uses Table A



amounts to allocate available SWP supplies and some SWP project costs among the contractors. Each year, DWR determines the amount of water available for delivery to SWP contractors based on hydrology, reservoir storage, the requirements of water rights licenses and permits, water quality, and environmental requirements for protected species in the Sacramento-San Joaquin River Delta (Delta). The available supply is then allocated according to each SWP contractor's Table A amount.

CVWD's and DWA's collective increments of Table A water are listed in Table 3-6. Original Table A SWP water allocations for CVWD and DWA were 23,100 AFY and 38,100 AFY, respectively, for a combined amount of 61,200 AFY. CVWD and DWA obtained a combined 100,000 AFY transfer from MWD under the 2003 Exchange Agreement. In 2004, CVWD purchased an additional 9,900 AFY of SWP Table A water from the Tulare Lake Basin Water Storage District (Tulare Lake Basin) in Kings County. In 2007, CVWD and DWA made a second purchase of Table A SWP water from Tulare Lake Basin totaling 7,000 AFY. In 2007, CVWD and DWA also completed the transfer of 16,000 AFY of Table A Amounts from the Berrenda Mesa Water District in Kern County. These latter two transfers became effective in January 2010. With these additional transfers, the total SWP Table A Amount for CVWD and DWA is 194,100 AFY. **Table 3-7** shows the recharge of SWP Exchange Water from 2017 through 2021.

**Table 3-6: State Water Project Table A Allocations**

	Original SWP Table A (AFY)	Tulare Lake Basin 2004 Transfer (AFY)	Metropolitan Water District 2003 Transfer (AFY)	Tulare Lake Basin 2007 Transfer (AFY)	Berrenda Mesa 2007 Transfer (AFY)	Total (AFY)
CVWD	23,100	9,900	88,100	5,250	12,000	138,350
DWA	38,100	0	11,900	1,750	4,000	55,750
<b>Total</b>	<b>61,200</b>	<b>9,900</b>	<b>100,000</b>	<b>7,000</b>	<b>16,000</b>	<b>194,100</b>

Source: 2020 Coachella Valley Regional Urban Water Management Plan

**Table 3-7: CVWD and DWA Groundwater Recharge of State Water Project Exchange Water**

Groundwater Recharge (AF)	2017	2018	2019	2020	2021
Whitewater River GRF	385,994	129,725	235,600	126,487	15,006
Mission Creek GRF	9,248	2,027	3,688	1,768	0
<b>Total</b>	<b>395,242</b>	<b>131,752</b>	<b>239,288</b>	<b>128,255</b>	<b>15,006</b>

Source: CVWD 2022-2023 Annual Engineer's Reports on Water Supply and Replenishment Assessment

### 3.2.3 Other SWP Water

There are other types of SWP water that can be purchased, such as individual water purchase opportunities and transfers/exchanges. These may be conveyed to CVWD and DWA as available, but no commitments exist.

In 2008, CVWD and DWA entered into separate agreements with DWR for the purchase and conveyance of supplemental SWP water under the Yuba River Accord Dry Year Water Purchase Program (Yuba Accord). This program provides dry year supplies through a water purchase agreement between DWR and Yuba County Water Agency, which settled long-standing

operational and environmental issues over instream flow requirements for the lower Yuba River. The amount of water available for purchase varies annually and is allocated among participating SWP contractors based on their Table A amounts. CVWD and DWA may purchase up to 1.72 percent and 0.69 percent, respectively, of available Yuba Accord water, in years it is made available. Yuba Accord deliveries have varied from zero in multiple years to a total of 2,664 AFY to CVWD and DWA in 2013.

Article 21 water (described in Article 21 of the SWP water contracts), “Interruptible Water,” is water that State Water Contractors may receive on a short-term basis in addition to their Table A water if they request it in years when it is available. Article 21 water is used by many contractors to help meet demands in low allocation years. Article 21 water is not available every year, amounts vary when it is available, and is proportionately allocated among participating Contractors. The availability and delivery of Article 21 water cannot interfere with normal SWP operations and cannot be carried over for delivery in a subsequent year.

### **3.3 Surface Water**

CWA does not use self-supplied surface water as part of its water supply. However, that could change in the future and will be further evaluated at that time. CVWD does not currently use or intend to use any local surface water as part of its urban potable water supply. Local runoff is captured and used for groundwater recharge.

#### **3.3.1 River/Stream Diversion**

Surface water supplies come from several local rivers and streams including the Whitewater River, Snow Creek, Falls Creek, and Chino Creek, as well as a number of smaller creeks and washes. Because surface water supplies are affected by variations in annual precipitation, the annual supply is highly variable. The 50-year hydrologic period from 1970 to 2019 had an annual average watershed runoff of 52,506 AFY, with approximately 43,300 AFY in natural infiltration. Runoff during the 25-year period from 1995 to 2019 was below average, with 39,196 AFY in watershed runoff and 29,200 AFY in natural infiltration. Neither CWA nor CVWD currently use or intend to use any local surface water as part of its urban potable water supply. Local runoff is captured and used for groundwater recharge.

#### **3.3.2 Stormwater Capture**

The Coachella Valley drainage area is approximately 65 percent mountainous and 35 percent typical desert valley with alluvial fan topography buffering the valley floor from the steep mountain slopes. The mean annual precipitation ranges from 30 inches or more in the San Bernardino Mountains to less than 3 inches at the Salton Sea. Three types of storms produce precipitation in the drainage area: general winter storms, general thunderstorms, and local thunderstorms. Longer duration, lower intensity rainfall events tend to have higher recharge rates, but runoff from flash flooding can result from all three types of storms. Otherwise, there is little to no flow in most of the streams in the drainage area.

Significant amounts of local runoff are currently captured at the Whitewater River GRF and in the debris basins and unlined channels of the western Coachella Valley. Additional stormwater will be captured when the Thousand Palms Flood Control Project is completed and when flood control is constructed in the Oasis area. However, limited data exists to estimate the amount of additional stormwater that could be captured by new facilities in the Coachella Valley. Nonetheless, large-scale stormwater capture is not expected to yield sufficient water to be worth the investment as a single purpose project. Small-scale stormwater retention systems located in areas of suitable geology to allow percolation could capture small intensity storms as well as street runoff. The potential yield of these system is not known at this time, but stormwater capture should be considered in conjunction with projects that construct stormwater and flood control facilities.

### 3.4 Wastewater and Recycled Water

Wastewater that has been highly treated and disinfected can be reused for landscape irrigation and other purposes. Recycled wastewater has historically been used for irrigation of golf courses and municipal landscaping in the Coachella Valley since as early as the 1960s. As growth occurs in the eastern Coachella Valley, the supply of recycled water is expected to increase, creating an additional opportunity to maximize local water supply.

The City of Coachella manages the Coachella Sanitary District that operates a 4.5 MGD secondary treatment wastewater facility. In addition, the City also plans to develop a recycled water system in the future and is currently participating in a recycled water feasibility study spearheaded by the Coachella Valley Regional Water Management Group (CVRWVG) as part of the Coachella Valley Integrated Regional Water Management (IRWM) Plan. The Coachella Water Reclamation Facility has a 4.5 MGD capacity and current average daily discharge of 2.7 MGD. The plant is a full secondary treatment facility with oxidation ditches for denitrification. Waste activated sludge is sent to drying beds for dewatering and then hauled away to landfill for alternate daily cover material.

Additionally, CVWD operates five water reclamation plants (WRPs), two of them (WRP-7 and WRP-10) generate recycled water for irrigation of golf courses and large landscaped areas. WRP-4 became operational in 1986 and serves the communities from La Quinta to Mecca. WRP-4 effluent is not currently recycled, however, it will be in the future when the demand for recycled water is developed, and tertiary treatment is constructed. The other two WRPs serve communities near the Salton Sea. A sixth WRP (WRP-9) was decommissioned in July 2015. The wastewater treated by CVWD from 2016 through 2020 is shown in **Table 3-8**. **Table 3-9** shows the recycled water produced by CVWD from 2016 through 2020. CVWD will continue to expand its recycled water program by connecting additional recycled water customers to meet the non-potable water demands in the western and eastern portions of the Coachella Valley.

**Table 3-8: Wastewater Treated by CVWD**

Wastewater (AF)	2017	2018	2019	2020	2021
WRP-1	19	19	16	18	24
WRP-2	13	12	16	13	15
WRP-4	5,695	5,900	6,065	6,353	6,452
WRP-7	3,124	3,275	3,246	3,236	3,287
WRP-10	9,710	10,124	9,663	9,238	8,980
<b>Total</b>	<b>18,561</b>	<b>19,330</b>	<b>19,006</b>	<b>18,858</b>	<b>18,758</b>

**Table 3-9: Recycled Water Produced by CVWD**

Recycled Water (AF)	2017	2018	2019	2020	2021
WRP-7	1,267	2,246	1,657	1,936	2,136
WRP-10	4,702	7,857	7,100	7,521	7,285
<b>Total</b>	<b>5,969</b>	<b>10,103</b>	<b>8,757</b>	<b>9,457</b>	<b>9,421</b>

### 3.5 Conservation

Water conservation, and the reduced groundwater production associated with water conservation, benefits the groundwater basin and is an important element of the Alternative Plans and the 2015 CWA UWMP.

CWA participates in several ongoing water conservation measures, basin-wide recharge plan with CVWD through replenishment assessment charge (RAC) and has a water shortage contingency plan to put into action as appropriate to reduce the demand during critical drought years. CWA has many programs to maximize the water resources available to CWA, including but not limited to recharge of the basin using Colorado River and SWP supplies, direct use and recharge of recycled water, desalinated agricultural drain water, conversion of groundwater uses to Canal water. CWA also implements comprehensive water conservation practices such as tiered water rates, landscaping ordinances, outreach, and education.

### 3.6 Landscape Ordinance

The City of Coachella worked with the Coachella Valley Association of Governments and adopted the Coachella Valley “Model Landscape Ordinance” as a policy document. The CVWD Valley-wide Landscape Ordinance 1302.5 requires a series of reduction methods, including requirements that new developments install weather-based irrigation controllers that automatically adjust watering. Additional requirements include setbacks of spray emitters from impervious surfaces, as well as use of porous rock and gravel buffers between grass and curbs to eliminate run-off onto streets. With the exception of turf, all landscaping including groundcover and shrubbery must be irrigated with a drip system. Also, the maximum water allowance for landscaped areas through the CVWD service area has been reduced. This reduction goal requires that developers maximize the use of native and other drought-tolerant landscape materials and minimize use of more water-intensive landscape features, including turf and fountains.

### 3.7 Water Shortage Contingency Planning

Based on the experiences from the 2013-2015 drought, CVWD’s domestic Water Shortage Contingency Plan provides the shortage levels summarized in **Table 4-9**. The trigger levels used to determine the water shortage level depend on the local water situation or applicable State mandates. CVWD has a diverse mix of water supplies and benefits from a large groundwater basin providing storage. CVWD’s groundwater replenishment program replenishes the basin to increase groundwater storage during wet years and that supply is available for use during dry years.

**Table 3-10: Urban Water Shortage Contingency Plan Shortage Levels**

Shortage Level	Shortage Range	Water Supply Condition
1	Up to 10%	Normal water supplies
2	Up to 20%	Slightly limited water supplies
3	Up to 30%	Moderately limited water supplies
4	Up to 40%	Limited water supplies
5	Up to 50%	Significantly limited water supplies
6	Up to 60%	Severe shortage or catastrophic incident

Source: 2020 CVWD Water Shortage Contingency Plan

## 4 Public Water System – Projected Supply and Demand

Coachella Water Authority (CWA) projects that water use for the City will generally increase at a similar rate to that of the projected population increase within the City and its sphere of influence (SOI). Coachella Valley Water District (CVWD) projects that a majority of its urban potable water uses will continue to be supplied from local groundwater. In addition to groundwater, CVWD has secured imported water supplies from the State Water Project (SWP) and the Colorado River, and recycled water from water reclamation plants. These imported and recycled water supplies are used to meet CVWD’s non-potable water demands and to replenish the groundwater basin.

### 4.1 Projected Urban Demand and Supply

The following table from the 2015 CWA’s Urban Water Management Plan (UWMP) provides the CWA’s future water demand projections by water use sector over the next 20 years. 2015 Urban Water Management Plan (UWMP) provide CWA’s projected water supplies and demands. Potable water demand projections for the CWA service area are summarized in **Table 4-1**.

**Table 4-1: CWA Projected Demands for Potable and Raw Water**

Use Type	Projected Water Use			
	2020	2025	2030	2035
Single Family	2,335	2,983	3,812	4,871
Multi-Family	399	510	652	833
Commercial	565	722	923	1,180
Industrial	6	8	10	13
Landscape	341	435	556	711
Other	40	51	65	83
Losses	386	494	631	806
<b>Total</b>	<b>4,072</b>	<b>5,203</b>	<b>6,649</b>	<b>8,496</b>

NOTES: Units are Million Gallons (MG)

Source: 2015 Coachella Water Authority Urban Water Management Plan

The following tables from the 2020 Regional Urban Water Management Plan (Regional UWMP) provide the CVWD’s projected water supplies and demands. Potable water demand projections for the CVWD service area are summarized in **Table 4-2**.

**Table 4-2: CVWD Projected Urban Retail Demands**

Use Type	Projected Water Use				
	2025	2030	2035	2040	2045
Single Family	60,142	63,824	67,331	69,816	71,695
Multi-Family	6,873	7,245	7,742	8,267	9,045
CII	7,060	7,244	7,438	7,709	7,985
Landscape	34,193	36,205	38,226	39,865	41,516
Other	1,457	1,563	1,670	1,755	1,840
Losses	13,736	14,501	15,222	15,670	16,085
<b>Total</b>	<b>123,461</b>	<b>130,582</b>	<b>137,629</b>	<b>143,081</b>	<b>148,166</b>

Source: 2020 Coachella Valley Regional Urban Water Management Plan

A summary of existing and planned urban water supply volumes by source are presented in **Table 4-3**. It should be noted that the supplies and demands presented in the tables below include recycled water delivered to CVWD’s non-potable customers based on the DWR standardized tables and 2020 UWMP Guidebook. DWR requires the supply reliability table to include both potable and recycled water, however, CVWD’s recycled water is not a potable water supply and is not delivered to CVWD’s potable water customers. Instead, recycled water is used to offset the groundwater pumping of private well owners (mainly for golf course and landscape irrigation) to eliminate overdraft.

These projections were based on 2010 U.S. Census Data, DWR’s Population Tool, the Southern California Association of Governments’ (SCAG) 2020 Connect SoCal Regional Transportation Plan, and seasonal occupancy data from the Greater Palm Springs Convention and Visitors Bureau.

**Table 4-3: CVWD Projected Urban Water Supplies**

# Water Supply	Projected Water Supply (AFY)				
	2025	2030	2035	2040	2045
<b>Groundwater</b>	123,461	130,582	137,629	143,081	148,166
<b>Recycled Water</b>	13,600	14,400	15,100	15,900	16,800
<b>Total</b>	<b>137,061</b>	<b>144,982</b>	<b>152,729</b>	<b>158,981</b>	<b>164,966</b>

Source: 2020 Coachella Valley Regional Urban Water Management Plan

## 4.2 Normal, Single-Dry, Multiple-Dry Year Comparison

The following tables from the 2020 Regional UWMP provide CVWD’s projected water supplies and demands in a normal year, single-dry year, and multiple-dry years.

During normal years, CVWD will be able to meet current and future urban water demand needs projected in the 2020 Regional UWMP through groundwater pumping and recycled water as shown in **Table 4-4**.

**Table 4-4: Normal Year Supply and Demand Comparison**

	2025	2030	2035	2040	2045
<b>Supply Totals (AFY)</b>	<b>137,061</b>	<b>144,982</b>	<b>152,729</b>	<b>158,981</b>	<b>164,966</b>
Groundwater	123,461	130,582	137,629	143,081	148,166
Recycled Water	13,600	14,400	15,100	15,900	16,800
<b>Demand Totals (AFY)</b>	<b>137,061</b>	<b>144,982</b>	<b>152,729</b>	<b>158,981</b>	<b>164,966</b>
Potable Water Demand	123,461	130,582	137,629	143,081	148,166
Recycled Water Demand	13,600	14,400	15,100	15,900	16,800
<b>Difference</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Source: 2020 Regional Urban Water Management Plan

Note: CVWD and the other Regional UWMP agencies collaborate on groundwater management plans for long-term sustainability. During a normal year, single-dry year, or five-dry year period, the agencies could produce additional groundwater if demands exceeded the estimates shown here.

During single-dry years, CVWD will be able to meet current and future urban water demand needs through groundwater pumping and recycled water as shown in **Table 4-5**. Water supplies

during the single-dry year are 100 percent reliable. CVWD’s groundwater replenishment program replenishes the basin to increase groundwater storage during wet years and that supply is available for use during dry years. Thus, the supply and demand comparison for the single-dry year is the same as the normal year.

**Table 4-5: Single-Dry Year Supply and Demand Comparison**

	2025	2030	2035	2040	2045
<b>Supply Totals (AFY)</b>	<b>137,061</b>	<b>144,982</b>	<b>152,729</b>	<b>158,981</b>	<b>164,966</b>
Groundwater	123,461	130,582	137,629	143,081	148,166
Recycled Water	13,600	14,400	15,100	15,900	16,800
<b>Demand Totals (AFY)</b>	<b>137,061</b>	<b>144,982</b>	<b>152,729</b>	<b>158,981</b>	<b>164,966</b>
Potable Water Demand	123,461	130,582	137,629	143,081	148,166
Recycled Water Demand	13,600	14,400	15,100	15,900	16,800
<b>Difference</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Source: 2020 Regional Urban Water Management Plan

Note: CVWD and the other Regional UWMP agencies collaborate on groundwater management plans for long-term sustainability. During a normal year, single-dry year, or five-dry year period, the agencies could produce additional groundwater if demands exceeded the estimates shown here.

During multiple-dry years, CVWD will be able to meet current and future urban water demand needs through groundwater pumping and recycled water as shown in **Table 4-6**. Similar to the single-dry year, the multiple-dry year water supply reliability is 100 percent. Thus, the supply and demand comparison for the multiple-dry years is the same as the normal year. CVWD and the other Regional UWMP agencies collaborate on groundwater management plans for long-term sustainability. During a normal year, single-dry year, or five-dry year period, the agencies could produce additional groundwater if demands exceeded the estimates shown here.



**Table 4-6: Multiple-Dry Years Supply and Demand Comparison**

		2025	2030	2035	2040	2045
<b>First Year</b>	<b>Supply Totals (AFY)</b>	<b>137,061</b>	<b>144,982</b>	<b>152,729</b>	<b>158,981</b>	<b>164,966</b>
	Groundwater	123,461	130,582	137,629	143,081	148,166
	Recycled Water	13,600	14,400	15,100	15,900	16,800
	<b>Demand Totals (AFY)</b>	<b>137,061</b>	<b>144,982</b>	<b>152,729</b>	<b>158,981</b>	<b>164,966</b>
	Potable Water Demand	123,461	130,582	137,629	143,081	148,166
	Recycled Water Demand	13,600	14,400	15,100	15,900	16,800
<b>Difference</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Second Year</b>	<b>Supply Totals (AFY)</b>	<b>137,061</b>	<b>144,982</b>	<b>152,729</b>	<b>158,981</b>	<b>164,966</b>
	Groundwater	123,461	130,582	137,629	143,081	148,166
	Recycled Water	13,600	14,400	15,100	15,900	16,800
	<b>Demand Totals (AFY)</b>	<b>137,061</b>	<b>144,982</b>	<b>152,729</b>	<b>158,981</b>	<b>164,966</b>
	Potable Water Demand	123,461	130,582	137,629	143,081	148,166
	Recycled Water Demand	13,600	14,400	15,100	15,900	16,800
<b>Difference</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Third Year</b>	<b>Supply Totals (AFY)</b>	<b>137,061</b>	<b>144,982</b>	<b>152,729</b>	<b>158,981</b>	<b>164,966</b>
	Groundwater	123,461	130,582	137,629	143,081	148,166
	Recycled Water	13,600	14,400	15,100	15,900	16,800
	<b>Demand Totals (AFY)</b>	<b>137,061</b>	<b>144,982</b>	<b>152,729</b>	<b>158,981</b>	<b>164,966</b>
	Potable Water Demand	123,461	130,582	137,629	143,081	148,166
	Recycled Water Demand	13,600	14,400	15,100	15,900	16,800
<b>Difference</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Fourth Year</b>	<b>Supply Totals (AFY)</b>	<b>137,061</b>	<b>144,982</b>	<b>152,729</b>	<b>158,981</b>	<b>164,966</b>
	Groundwater	123,461	130,582	137,629	143,081	148,166
	Recycled Water	13,600	14,400	15,100	15,900	16,800
	<b>Demand Totals (AFY)</b>	<b>137,061</b>	<b>144,982</b>	<b>152,729</b>	<b>158,981</b>	<b>164,966</b>
	Potable Water Demand	123,461	130,582	137,629	143,081	148,166
	Recycled Water Demand	13,600	14,400	15,100	15,900	16,800
<b>Difference</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Fifth Year</b>	<b>Supply Totals (AFY)</b>	<b>137,061</b>	<b>144,982</b>	<b>152,729</b>	<b>158,981</b>	<b>164,966</b>
	Groundwater	123,461	130,582	137,629	143,081	148,166
	Recycled Water	13,600	14,400	15,100	15,900	16,800
	<b>Demand Totals (AFY)</b>	<b>137,061</b>	<b>144,982</b>	<b>152,729</b>	<b>158,981</b>	<b>164,966</b>
	Potable Water Demand	123,461	130,582	137,629	143,081	148,166
	Recycled Water Demand	13,600	14,400	15,100	15,900	16,800
<b>Difference</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Source: 2020 Regional Urban Water Management Plan

Note: CVWD and the other Regional UWMP agencies collaborate on groundwater management plans for long-term sustainability. During a normal year, single-dry year, or five-dry year period, the agencies could produce additional groundwater if demands exceeded the estimates shown here.

CVWD’s total current urban water demand was 110,967 acre-feet (AF) for 2021, including 101,546 AF of groundwater and 9,421 AF of recycled water.

## 5 Project Description

The Coachella Airport Business Park Project (Project) is located in the eastern portion of the Coachella Valley within the incorporated limits of the City of Coachella, Riverside County as shown in **Figure 5-1: Project Regional Location Map**. The Project will be accessible from the southwestern frontage along Airport Boulevard and is bounded by an undeveloped property owned by CVWD to the north, SR-86 to the east, a mobile home park to the south, and the Coachella Valley Stormwater Channel to the west, as shown in **Figure 5-2: Project Vicinity Map**. The Project proposes to develop approximately 42.36 acres of vacant land in the Coachella Valley to include Large Warehouse, Large Warehouse with Cannabis Cultivation, Small Warehouse, Small Business, Brick Yard, Self-Storage, and Retail comprised of a Service Station/Mini Mart and Drive-Thru Fast Food Restaurant as shown in **Figure 5-3: Project Site Plan** and **Table 5-1: Project Land Use Summary**.

**Figure 5-1: Project Regional Location Map**

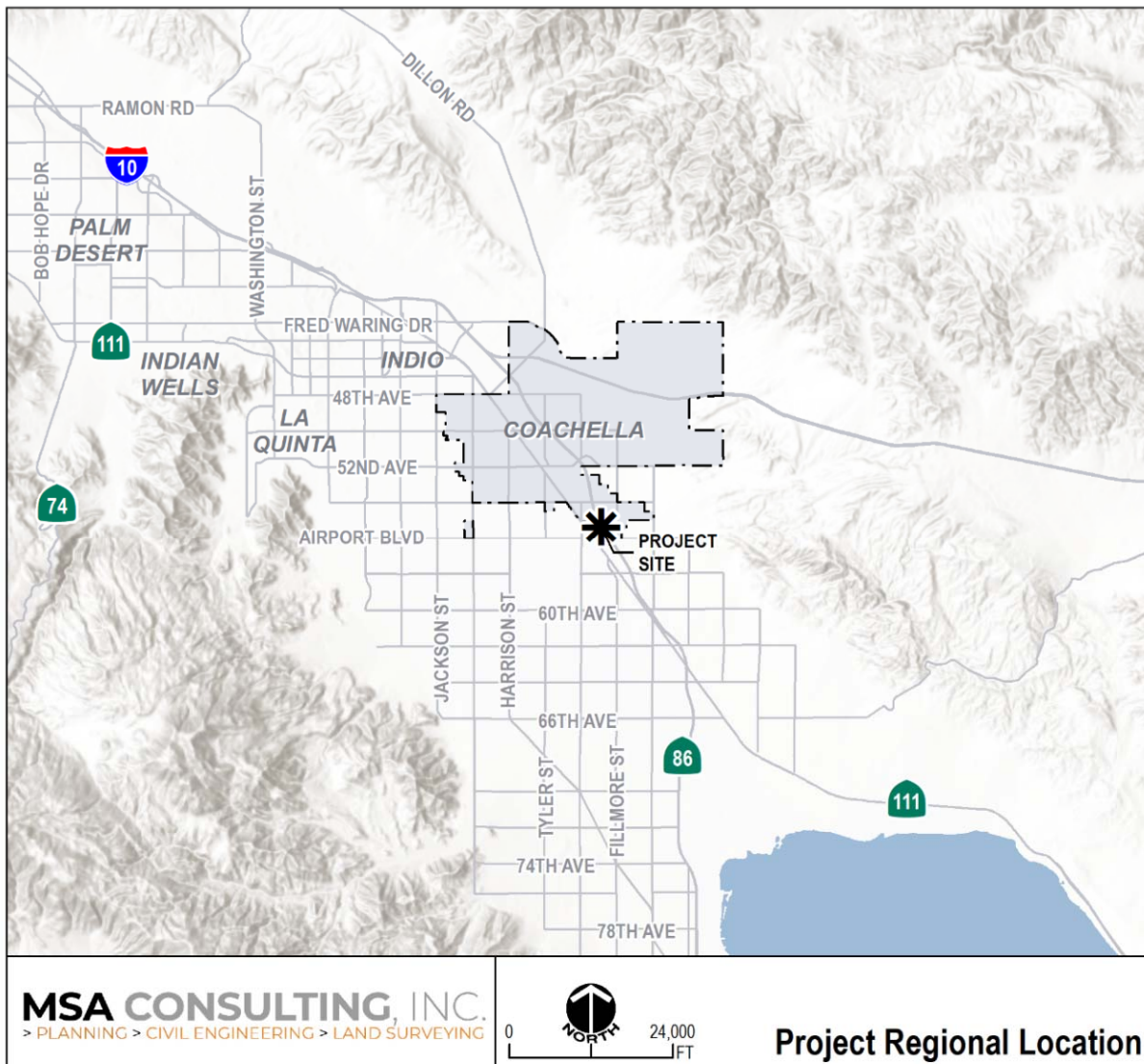


Figure 5-2: Project Vicinity Map

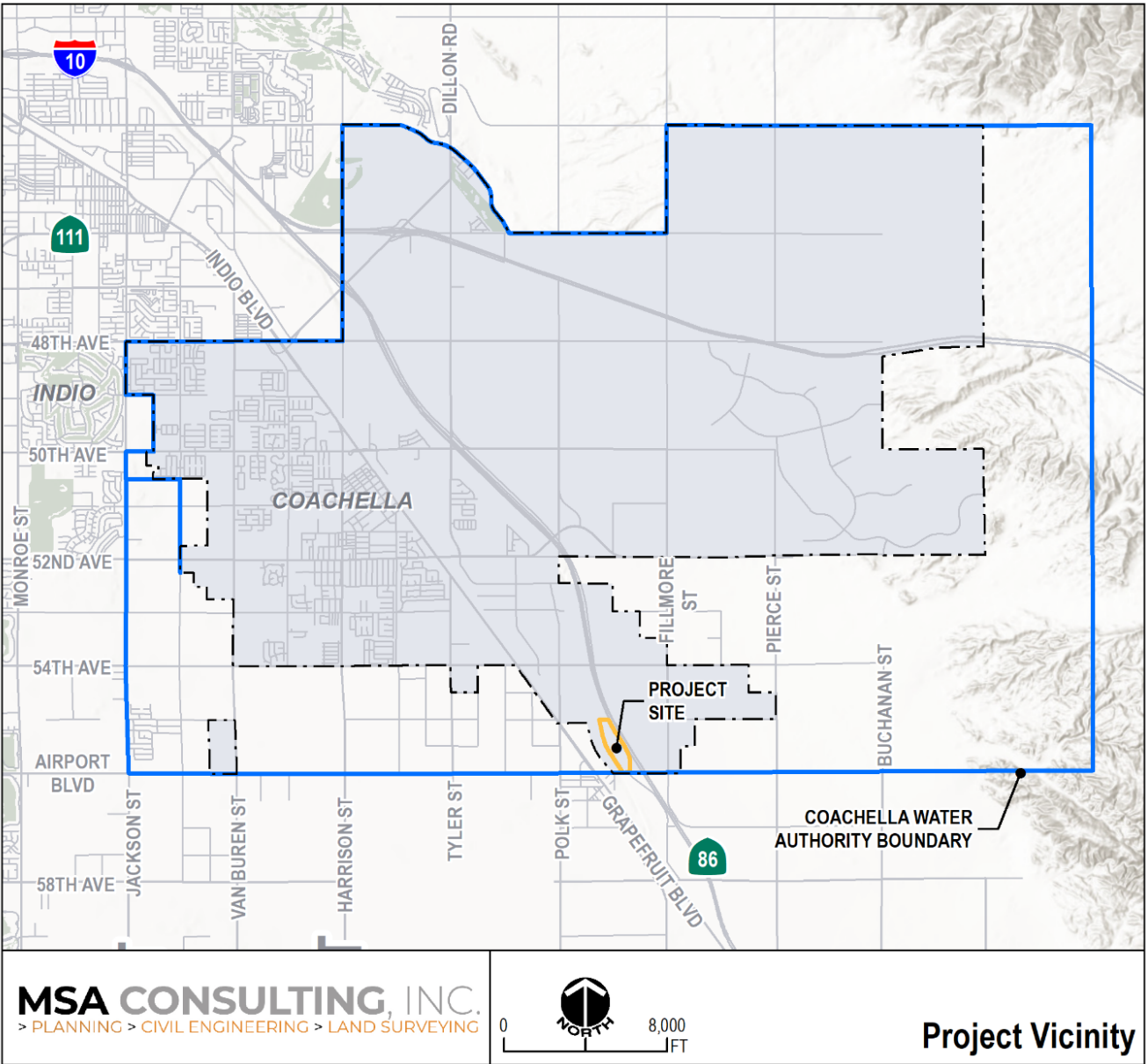
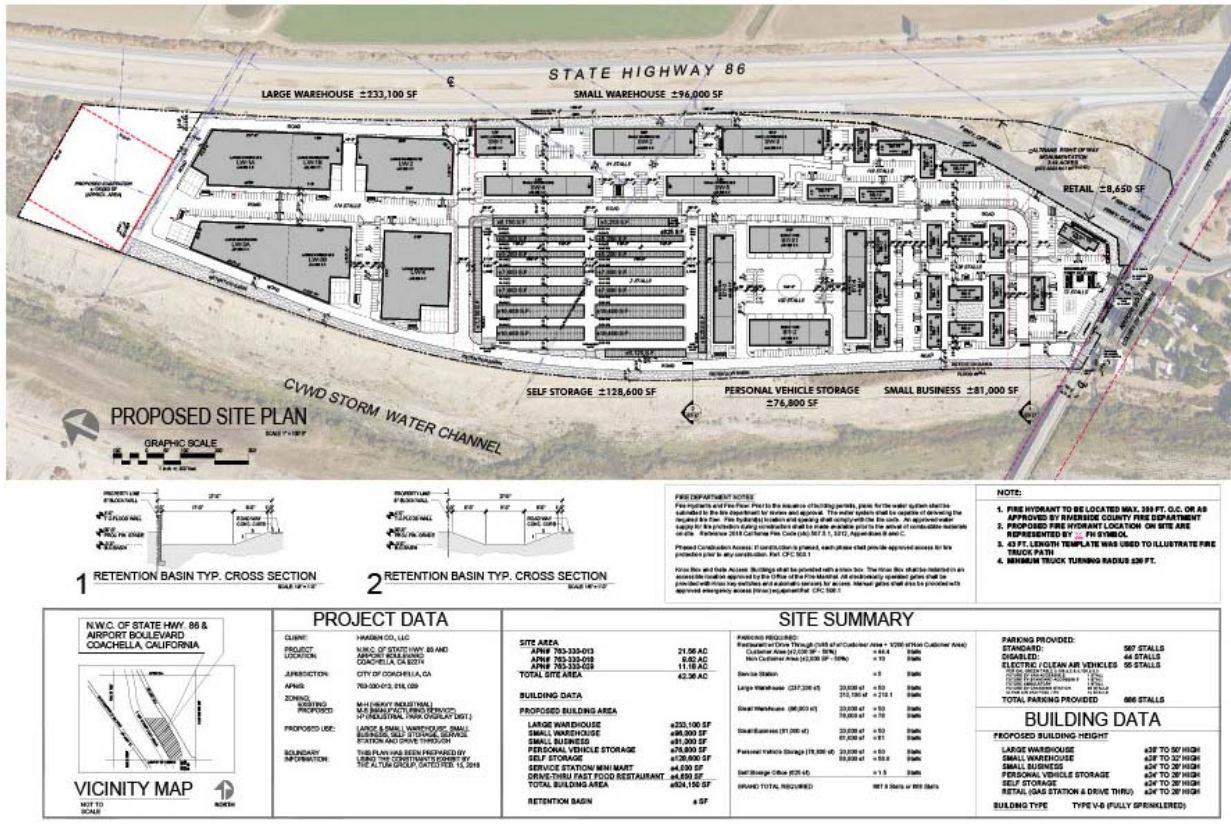




Figure 5-3: Project Site Plan



Coachella Airport Business Park  
COACHELLA, CALIFORNIA  
Haagen Co., LLC  
12001 EXPOSITION BLVD., LOS ANGELES, CA 90044

**McKenty Malak ARCHITECTS**  
81 Haagen Alley, Suite 200  
Palm Springs, CA 76084  
TEL 951.266.1044 FAX 951.266.8077

PROPOSED SITE PLAN  
02.06.2021 1802579A  
SP-17

Table 5-1: Project Land Use Summary

Specific Plan/Land Use Designation	Land Area (Acres)	Non-Residential Building Area (ft <sup>2</sup> )
Large Warehouse (Non-Cannabis)	3.11	135,340
Large Warehouse (Cannabis Cultivation)	2.24	97,760
Small Warehouse	2.20	96,000
Small Business	1.85	81,000
Brick Yard	1.76	76,800
Self-Storage	3.07	133,900
Service Station/Mini Mart	0.09	4,000
Drive-Thru Fast Food Restaurant	0.10	4,650
Outdoor Landscaping – Overall	5.63	332,136
Impervious Surfaces – Driveway, parking, medians, etc.	22.31	971,824
<b>Total</b>	<b>42.36</b>	<b>1,846,548</b>

## 6 Project Water Demands

The Coachella Airport Business Park Project (Project) proposes to develop approximately 42.36 acres of vacant land in the Coachella Valley to include Large Warehouse (135,340 SF), Large Warehouse with Cannabis Cultivation (97,760 SF), Small Warehouse (96,000 SF), Small Business (81,000 SF), Brick Yard (76,800 SF), Self-Storage (133,900 SF), and Retail comprised of a Service Station/Mini Mart (4,000 SF) and Drive-Thru Fast Food Restaurant (4,650 SF). In total, the Project will have 332,136 square feet of outdoor landscaping, 971,824 square feet of impervious surfaces (driveways, parking, medians, etc.), 300,350 square feet of commercial uses, and 329,100 square feet of industrial uses.

### 6.1 Projected Indoor Residential Water Demand

The Project does not propose residential uses, so the indoor residential water usage for this Water Supply Assessment/Water Supply Verification (WSA/WSV) is 0.

### 6.2 Projected Indoor Commercial and Industrial Water Demand

The projected indoor commercial and industrial unit usage for this WSA/WSV are based on the American Water Works Association Research Foundations (AWWARF's) Commercial and Industrial End Uses of Water. The projected indoor commercial and industrial water demand for the Project totals 82.92 AFY as shown in **Table 6-2** below.

**Table 6-1: Projected Indoor Commercial and Industrial Water Demand**

Planning Area	Indoor Area (ft <sup>2</sup> )	Water Demand Factor <sup>1</sup> (gal/sf/year)	Water Demand (gpd)	Water Demand <sup>2</sup> (AFY)
<b>Office Buildings</b>				
Large Warehouse (Non-Cannabis Uses)	135,340	35	12,977.81	14.54
Large Warehouse (Cannabis Cultivation)	97,760	35	8,134.17	10.50
Small Warehouse	96,000	35	9,205.48	10.31
Small Business	81,000	35	7,767.12	8.70
Brick Yard (Personal Vehicle Storage)	76,800	35	505.00	8.25
Self-Storage	133,900	35	880.44	14.38
<b>Restaurants</b>				
Drive-Thru Fast Food Restaurant	4,650	331	4,216.85	4.72
<b>Supermarkets</b>				
Service Station/Mini Mart	4,000	64	876.71	0.79
<b>Cooling Tower</b>				
Large Warehouse (Cooling Tower – Non-Cannabis Use)	135,340	15	5,561.92	6.23
Large Warehouse (Cooling Tower – Cannabis Use)	97,760	15	4,017.53	4.50
<b>Total</b>	<b>862,550</b>		<b>74,026.44</b>	<b>82.92</b>

<sup>1</sup> AWWARF Commercial and Industrial End Uses of Water, 2000.

<sup>2</sup> One AFY = 892.742 gallons per day; Conversion used above.

### 6.3 Projected Outdoor Irrigation Water Demand

The projected outdoor irrigation water usage is based on the assumption that 18% of the total outdoor acreage of the Project will be outdoor landscaped area. The projected outdoor irrigation water demand for the Project is 21.75 AFY as shown in **Table 6-3** below.

**Table 6-2: Projected Outdoor Irrigation Water Demand**

Planning Area	Total Outdoor Acreage (AC)	Max of Outdoor Landscaped Area (%)	Outdoor Landscaped Area (ft <sup>2</sup> )	Total Outdoor Annual Consumption (AFY)
Outdoor Landscaping – Overall	42.36	18.0	332,136	21.75

### 6.4 Projected Outdoor Water Features Demand

The Project does not propose outdoor recreational water feature usage, so the projected outdoor water features demand for the Project is 0.

## 6.5 Projected Total Water Demand

The total projected water demand for the Project is 104.67 AFY, or 2.47 acre-feet per acre, as shown in **Table 6-5** below.

**Table 6-3: Projected Total Water Demand**

Planning Area	Land Area (Acres)	Indoor Commercial and Industrial Demand (AFY)	Outdoor Irrigation Demand (AFY)	Total Water Demand (AFY)
Large Warehouse	3.11	14.54	-	14.54
Large Warehouse (Cannabis Cultivation)	2.24	10.50	-	10.50
Small Warehouse	2.20	10.31	-	10.31
Small Business	1.85	8.70	-	8.70
Brick Yard (Personal Vehicle Storage)	1.76	8.25	-	8.25
Self-Storage	3.07	14.38	-	14.38
Drive-Thru Fast Food Restaurant	0.10	4.72	-	4.72
Service Station/Mini Mart	0.09	0.79	-	0.79
Large Warehouse (Cooling Tower – Non-Cannabis Use)	N/A	6.23	-	6.23
Large Warehouse (Cooling Tower – Cannabis Use)	N/A	4.50	-	4.50
Outdoor Landscaping – Overall	5.63	N/A	21.75	21.75
Impervious Surfaces	22.31	N/A	0.0	0.0
<b>Total</b>	<b>42.36</b>	<b>82.92</b>	<b>21.75</b>	<b>104.67</b>

## 6.6 Projected Water Sources

The Project is anticipated to utilize the CWA Domestic System to provide water service to the Project site, as shown on **Table 6-6**.

**Table 6-4: Projected Water Sources**

Planning Area	Land Area (Acres)	Water Source
Large Warehouse	5.35	CWA Domestic System
Small Warehouse	2.20	CWA Domestic System
Small Business	1.85	CWA Domestic System
Brick Yard (Personal Vehicle Storage)	1.76	CWA Domestic System
Self-Storage	3.07	CWA Domestic System
Service Station/Mini Mart	0.09	CWA Domestic System
Drive-Thru Fast Food Restaurant	0.10	CWA Domestic System
Outdoor Landscaping – Overall	5.63	CWA Domestic System

## 6.7 Conservation Measures

The following section describes the water conservation measures to be implemented by the proposed Project.

### 6.7.1 Desert Landscaping & Drought Tolerant Plants

The need for progressive water conservation and control of landscape maintenance costs has prompted the greater use of native and non-native drought-tolerant planting materials within the Project. The Coachella Valley and CWA have been a leader in the promotion of these desert landscape materials and design themes, most notably in CVWD Landscape Ordinance 1302.4. As a result, thoughtful and conservative management and use of water resources have guided development of this Project landscape plan.

### 6.7.2 Project Specific Water Conservation Measures

A broad range of design components and mitigation measures will be implemented to address the Project's potential impacts on water resources. A reverse osmosis (RO) water purification treatment system is proposed for operation of cannabis cultivation for the proposed Project. RO water purification systems use a semipermeable membrane and high pressure to remove ions, molecules, and larger particles from water. Irrigation water infused with fertilizers are sent through the RO system to remove fertilizers in order to be re-used again for cannabis irrigation. The bi-product result of this process is the accumulation of concentrated levels of total dissolved solids (TDS) and brine solutions in filter, which can be hazardous to the groundwater supply if not treated and disposed of properly by a third party licensed hazardous waste hauler. As such, a third party licensed hazardous waste hauler will be responsible for removing all hazardous wastewater and solid waste generated from all cannabis cultivation operations.

Project developers will be required to implement the following measures in order to assure the most efficient use of water resources and to meet and maintain the 2010 CVWMP Update goals throughout the life of the Project:

1. To the greatest extent practicable, native plant materials and other drought-tolerant plants shall be used in all non-turf areas of Project landscaping. Large expanses of lawn and other water-intensive landscaped areas shall be kept to the minimum necessary and consistent with the functional and aesthetic needs of the Project, while providing soil stability to resist erosion.
2. In the event recycled water becomes available to the Project, the potential use of tertiary treated water will be reviewed to determine feasibility of its use for on-site landscaped areas to reduce the use of groundwater for irrigation.
3. The installation and maintenance of efficient on-site irrigation systems will minimize runoff and evaporation and maximize effective watering of plant roots. Drip irrigation and moisture detectors will be used to the greatest extent practicable to increase irrigation efficiency.



4. The use of low-flush toilets and water-conserving showerheads and faucets shall be required in conformance with Section 17921.3 of the Health and Safety Code, Title 20, California Code of Regulations Section 1601(b), and applicable sections of Title 24 of the State Code.

## **7 Assessment and Verification – Availability of Sufficient Supplies**

### **7.1 Water Supply Assessment**

Based on the analysis in this Water Supply Assessment/Water Supply Verification (WSA/WSV), the projected total water demand for the Coachella Airport Business Park (Project) will be 104.67 acre-feet per year (AFY), or 2.47 acre-feet per acre. CVWD's long-term water management planning ensures that adequate water supplies are available to meet existing and future water needs within its service area. CVWD's current urban water demand was 101,546 acre-feet (AF) for 2021, and the projected urban water demand by 2045 is 148,166 AF. This Project's water demand of 104.67 AFY accounts for approximately 0.07 percent of the total planned increases in demand of 48,323 AF by 2045.

This WSA/WSV provides an assessment and verification of the availability of sufficient water supplies during normal, single-dry, and multiple-dry years over a 20-year projection to meet the projected demands of the Project, in addition to existing and planned future water demands of CWA and CVWD, as required by Senate Bill 610 (SB 610), SB 221, and SB 1262. This WSA/WSV also includes identification of existing water supply entitlements, water rights, water service contracts, and agreements relevant to the identified water supply for the Project and quantities of water received in prior years pursuant to those entitlements, rights, contracts, and agreements.

This WSA/WSV has been prepared in compliance with the requirements of SB 610, SB 221, and SB 1262 by MSA Consulting, Inc. in consultation with CWA and the City of Coachella. This WSA/WSV does not relieve the Project from complying with all applicable state, county, city, and local ordinances or regulations including the CVWD Landscape Ordinance, and indoor water use performance standards provided in the CWC.

This WSA/WSV will be reviewed every five years, or in the event that the water planning assumptions have changed, until the Project completes construction to ensure it remains accurate and no significant changes to either the Project or available water supply has occurred. The Project applicant shall notify CWA when construction begins. If neither the Project applicant nor the Lead Agency contacts CWA within five years of approval of this WSA/WSV, it will be assumed that the Project no longer exists and the WSA/WSV provided by this document will become invalid.

### **7.2 Water Supply Verification**

A WSA/WSV has been prepared for the Project pursuant to the requirements of Senate Bill 221 (SB 221) because it includes a Tentative Parcel Map. This document provides verification that adequate water supply for the Project is available, as required by California Government Code Section 66473.7.

## 8 References

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