

TECHNICAL MEMORANDUM

December 13, 2024
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To: Teauna Miranda, Warden, Mule Creek State Prison
Catherine Frazer, Staff Director, California Dept. of Forestry and Fire Protection

CC: Isolette Gunther, California Department of Corrections and Rehabilitation
Gregor Larabee, California Department of Corrections and Rehabilitation
Laurie Perri, California Department of Corrections and Rehabilitation
Estevan Fregeau, Mule Creek State Prison
Anthony Orta, Mule Creek State Prison
Anthony Stark, Mule Creek State Prison
Antony Wilson, Mule Creek State Prison

Subject: Mule Creek State Prison Individual Water Balance

Project: Mule Creek State Prison Water Balance Calculations and Revised Report of Waste Discharge

Prepared By: Jade Fredeen E.I.T.
Todd Thompson, R.C.E. 58278

Reviewed By: Neal Colwell R.C.E. 59437

1.0 Purpose and Objective

This technical memorandum is a response to the California Regional Water Quality Control Board's August 14, 2024 letter to the California Department of Corrections and Rehabilitation (CDCR) regarding the treatment and disposal capacity of the Wastewater Treatment Plant (WWTP) serving Mule Creek State Prison (MCSP). The wastewater treatment system serves not only MCSP, but includes the Mule Creek Infill Complex (MCIC), the CalFire Training Academy (CFTA), and the Preston Youth Correctional Facility (PYCF). In particular, the letter, issued under Section 13267 of the California Water Code, requested:

- Forecasted wastewater flows for the next 5 years, based from official planning documents, broken down by each source;
- The forecasted wastewater flows should be broken down for all influent sources, including Mule Creek State Prison, the CalFire Training Academy, and the Preston Youth Correctional Facility;
- Any changes to treatment and/or disposal capacity or demand caused by the selected option related to the industrial waste stream;

- The additional disposal capacity from the selected option in Land Application Area Development Technical Report required by the October 6, 2023, Notice of Violation.

If the facility does not have sufficient capacity to treat and dispose of all wastewater onsite, the response is requested to identify the volume of excess effluent that would need to be treated and disposed each year without causing a permit violation or a condition of pollution.

The water balance needed to identify the treatment and disposal capacity conditions noted above, is required to comply with the requirement and guidance of a document attached to the letter entitled: Attachment A: Requirements for Water Balance and Calibration. It is to be limited to CDCR owned and operated property and facilities.

2.0 Historical Water Balance Calculations and Summary of Results

The previous water balance submitted to the Regional Water Quality Control Board, Central Valley Region (RWQCB) was completed on June 1, 2020, and prepared by Kjeldsen, Sinnock, and Neudeck, Inc. (KSN, Inc). The balance was performed in response to a Notice of Violation (NOV) issued on August 13, 2018 and included with a Report of Waste Discharge submitted to the RWQCB. That NOV requested an "Evaluation of compliance under the Waste Discharge Requirements (WDRs) under reduced land application area (LAA)". Since that submission, the LAA use for disposal has not changed.

MCSP has a total of 6 areas used as LAAs, composing a total of approximately 200 acres. The effective area of these LAAs were estimated through an evaluation of historical LAA layouts, modifications to the irrigation system/LAAs as a result of improvements to the site (e.g., construction of the Mule Creek Infill Complex [MCIC]), and through examination of existing aerial imagery indicating the area effectively having treated effluent applied.

The purpose of the MCSP LAAs is to achieve land disposal of treated effluent originating from the MCSP, CFTA, and remaining limited wastewater generated from the now closed PYCF. Land disposal is accomplished through evapotranspiration and limited percolation of treated effluent applied to the LAAs, with remaining effluent constituents being treated, retained in the soil, and/or volatilized into the atmosphere. Waste Discharge Order R5-2015-0129 (2015 Order or WDRs) issued for the WWTP includes discharge specifications and LAA specifications to protect beneficial uses of receiving waters. Receiving water objectives are as listed in the Basin Plan and are applicable as noted in the 2015 Order.

The last water balance proposed changes to the management and the operation of the LAAs, which were incorporated into the June 2020 Report of Waste Discharge Technical Report. In particular, the last water balance proposed that MCSP operations promote the establishment of perennial vegetation on the LAAs through the elimination of the use of herbicides and a reduction of disking and mowing of the LAAs. The last water balance also looked at salinity and nitrate in the LAAs. It recommended rotation of the LAA of several years to promote leaching of salts and promote vegetative growth and minimize soil accumulations that may be detrimental (i.e., salt accumulations).

Projected loading was estimated for each LAA and over a range of hydraulic conditions for a projected 0.57 Mgal/d Average Dry Weather Flow (ADWF), where 0.57 represented the projected average influent flow to the MCSP WWTP

from MCSP, the MCIC, CFTA, and PYCF. Water balance evaluations of storage and disposal were performed with that flow scenario and assuming that disposal was performed using:

- Application to the currently existing LAAs,
- Discharge to the Castle Oaks Water Recycling Plant (COWRP) of no more than 350 ac-ft per year (approximately 114 million gallons)
- With a 1-in-100 yr precipitation season followed by 1-in-50 and average year precipitation seasons.

The resulting calculations showed that the projected average influent flow could be treated and disposed of by the current infrastructure. However, under a 1-in-100 year precipitation season with a 0.57 Mgal/d flow would result in water that cannot be applied to fields without the need for discharge of up to 350 ac-feet (114 million gallons) of excess water to the COWRP system. Some conservative assumptions do affect the result, such as using the crop coefficient for a wet year and assuming no percolation out of the MCSP effluent storage reservoir. While not inappropriate for high rainfall season, using a wet year crop coefficient adds another conservative factor to the estimate that reduces how much the LAA can dispose. This is a worst-case scenario with a very low probability of ever occurring.

3.0 MCSP, MCIC, Cal Fire, and PYCF Historical Flows and Flow Projections

The flows treated by MCSP WWTP have generally remained stable since the last water balance. As noted above, the MCSP system has several sub-systems, in addition to MCSP, that use the system for wastewater treatment and disposal. They are MCIC, PYCF, and the CFTA. A summary of the recent average relative contribution by source to the MCSP WWTP is given below in Table 1.

Table 1
**Proportion of Recent Average Flow
 Contributions to the MCSP WWTP**

Source	Flow Contribution, %
MCSP	72%
MCIC	26%
CFTA	1.4%
PYCF	0.2%
Total:	100%

A schematic of the interrelation of the existing sources and current flow monitoring locations is presented below in Figure 1.

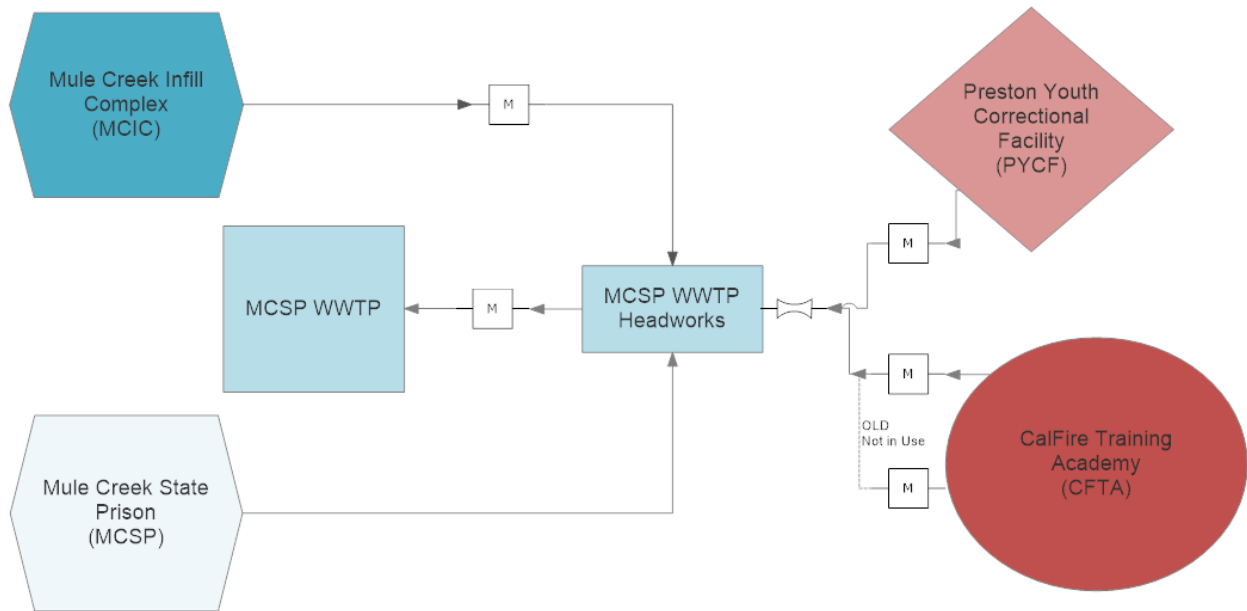


Figure 1

Schematic of Existing Sources and Flow Monitoring Points

The influent flow meter at the MCSP WWTP captures flows from all sources, including, MCSP (with all flows internal to the MCSP operations), MCIC (including all flows internal to the MCIC operations), inputs from the PYCF, and flows from the CFTA. A map of the locations of the sub-systems served by the MCSP WWTP is provided in Figure 2.

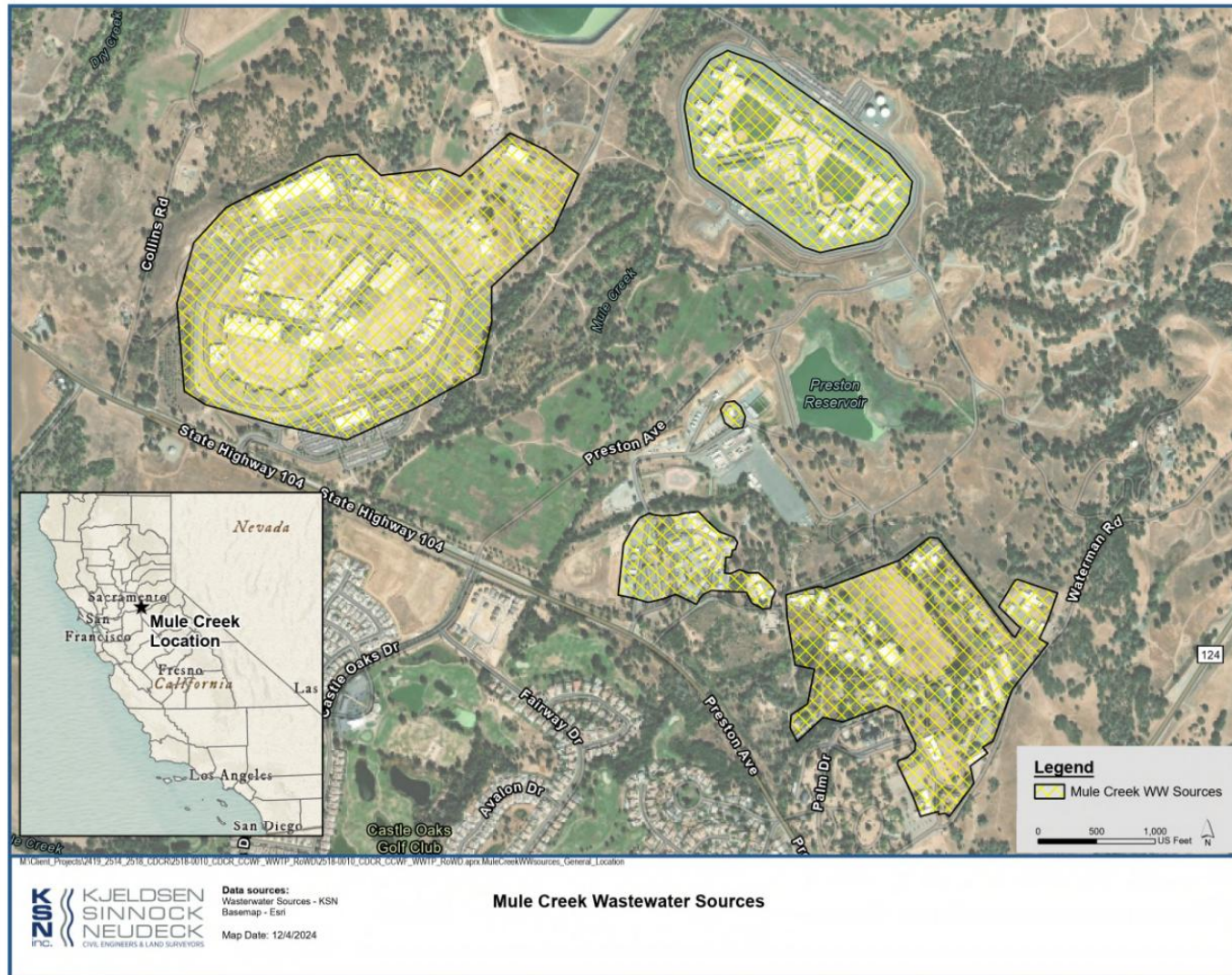


Figure 2
MCSP Wastewater Service Area Map

3.1 MCSP and MCIC Flows and Population

As can be seen from Figure 1, the MCSP WWTP influent flow captures the total influent flow from all sources with a separate measurement of flows originating from the MCIC and PYCF and CFTA. To calculate the flows originating from the MCSP only, those other flows must be subtracted from the WWTP influent flow total. The total MCSP WWTP influent wastewater flows have increased since 2016 as the populations between MCSP and MCIC shifted and as the MCIC population increased to current levels, resulting in a recent stabilized average dry weather influent flow¹ of approximately 0.51 Mgal/d. A review of winter-month average flows and storm-period daily flow totals, indicates that the overall system appears to have some Infiltration and Inflow (I&I). This is indicated by recent peak day influent flows of 1.04 Mgal/d (March 3, 2019), 0.97 Mgal/d (January 28, 2021) and recent peak month influent average flow of up to 0.58 Mgal/d (Feb. 28, 2023). During these time periods the combined MCSP/MCIC population average was 3,876, with a range of 3,743 to 4,051. Reported population data is presented in Exhibit A.

While MCSP does not have industrial waste streams per se, MCSP has several training facilities for prisoner rehabilitation. These include garment and mattress assembly, medical/clinical training, janitorial and HVAC training, coffee roasting, lunch packaging, woodworking and metal working training. None of these facilities appear to generate much wastewater. There is also a meat packing and a laundry. The additional wastewater stream associated with the meat packing is limited but does exist. It is mostly limited to the daily post-operation wash down. The laundry facility operates regularly, producing wastewater generated from laundry service provided to the MCSP, MCIC, CFTA, and other Northern California institutions. However, the wastewater flows from the meat packing and the laundry services are included in the MCSP WWTP influent flow measurement and are part of the per-capita distribution. The waste discharge requirements, Order R5-2015-0129, assigned 0.13 Mgal/day for the laundry. However, adding that flow to the actual measured influent flows would result in a double counting error because they are included in the existing flow basis.

MCIC wastewater flows have nominally increased since 2019 but stabilized at about 0.14 Mgal/d through 2024. The system appears to have no discernable infiltration and inflow as seen with no identifiable flow increases during winter storm events such as the storms in late December 2022 and early January 2023 and through March 2023. MCIC also has rehabilitation and training activities. Like MCSP, those activities do not appear to contribute much to the waste stream and are captured in the per capita flow estimate for the facility. Historical MCSP and MCIC average monthly flow totals and population is shown below in Figure 3 through September 2024.

¹ Calculated based on the average of monthly flows for June, July, and August.

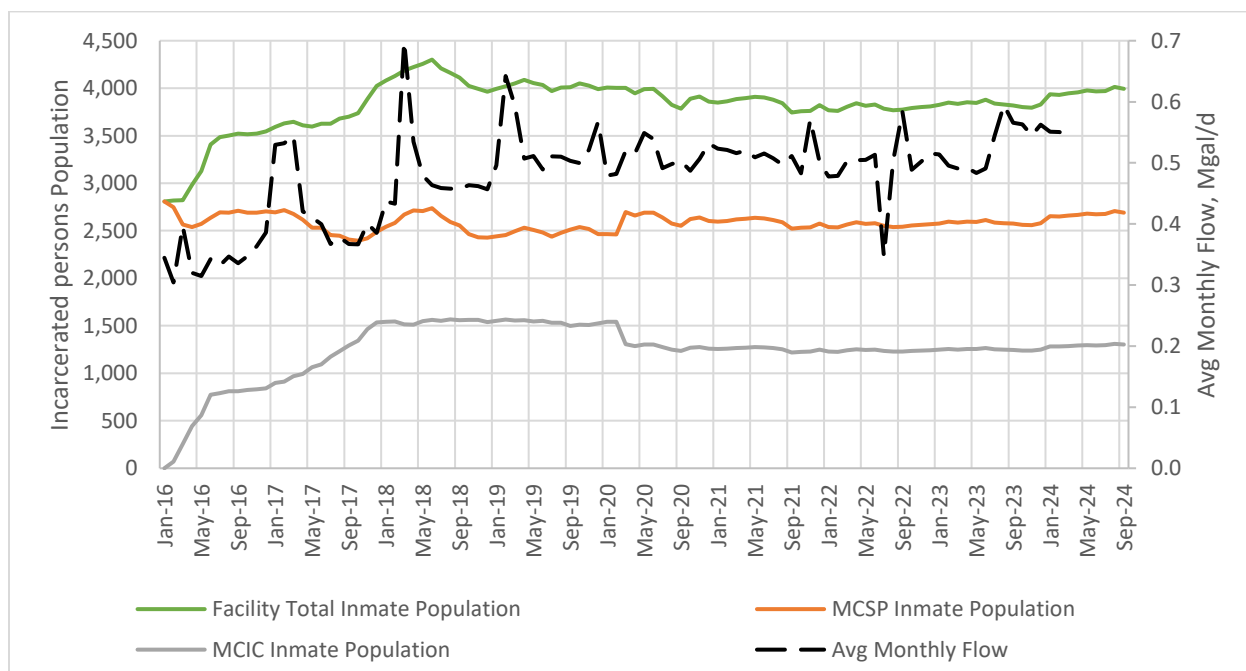


Figure 3

Average MCSP and MCIC Monthly Flow Totals and Incarcerated persons Populations

3.2 CFTA Flows and Population

CFTA wastewater flows vary seasonally and year to year depending upon the number of trainees at the facility. The program objective for cadet training is set by the Governor's office on an annual basis², with training assignments to the various statewide facilities varying based on facility capacity and other factors. The recent annual cadet population at the CFTA has been approximately 1,216 cadets in 2023 and 1,373 cadets in 2024, and a projected 1,321 cadets for 2025, with a weekly staff of 120³. Current CFTA facilities are limited by the 238 dormitory-style beds for cadets (see Exhibit B) with the 120 staff supporting the CFTA operations split into shifts. The facility has a cafeteria that serves breakfast and lunch. The dormitories have laundry facilities for the residents and for fire equipment. CFTA sends all bedding to be washed to MCSP.

Assuming that 75% to 100% of the CFTA bed capacity is used for any given cohort of cadets, then the recent historical and projected 2025 cadet annual totals would suggest that five to eight training groups come through the CFTA per year. CFTA staff indicated that typical courses rotations occur from January to July⁴. A conservative assumption would be that the facility is fully occupied with 238 cadets and 120 staff during each training session.

Historical flow monitoring for the CFTA occurred at a flow monitoring manhole on the CFTA site, with an existing combined flow meter located at the MCSP WWTP headworks intended to measure combined flow from the CFTA and PYCF using a flume and level sensor on the incoming wastewater line at the WWTP headworks. In mid-2023 (around May 2023) the CFTA installed a flow measurement device in a manhole that serves the CFTA facilities. This flow

² Personal communication Jonathan Allen, Chief of Plant Operations, Cal Fire Training Center, November 12, 2024.

³ Ibid.

⁴ Personal communication Jonathan Allen, Chief of Plant Operations, Cal Fire Training Center, November 12, 2024.

measurement device is reported to consist of a SonicSens 3 level sensor and data logging device. At this time the accuracy of this instrumentation to measure and record flow totals in this manhole are suspect and therefore this flow data is not considered to be accurate. Because of a noted backwater effect on the flume level sensor at the MCSP WWTP headworks, the combined influent flow intended to measure flow from the PYCF and CFTA is not expected to be accurate. Therefore, existing, and potential future flows from the CFTA are estimated as outlined below in Table 2.

Table 2
Estimated Cal Fire Training Academy Maximum Wastewater Generation Rate

Occupancy Group	Unit Wastewater Generation Rate (gal/unit/day) ⁵	Daily Occupancy	Estimated Wastewater Generation, gallons per day
Cadet Trainees	100	238	23,800
Staff	20	120	2,400
Total			26,200

The above estimated wastewater generation rates are supported by recent recorded potable water use at the CFTA from Amador Water Agency records provided by CFTA for 2020, 2022 and 2023. The records were evaluated for recent average daily use in 2022 to 2023 during the highest expected occupancy time frame of March to June. The average daily water use from 2022 to 2023 during the maximum occupancy timeframe is estimated at 25,952 gallons per day.

3.3 PYCF Flows

PYCF is currently in a warm shut down status meaning that the facilities are maintained in a semi-ready status for potential use or occupancy sometime in the future. At this time there are no plans for the PYCF to be occupied with any wastewater to be discharged to the MCSP WWTP. The only flows coming from the PYCF are associated with rain events. Due to its age, the wastewater system is interconnected with the old storm sewers giving the system significant flows during wet weather. The flow from the PYCF facility is negligible for most dry days as evidenced by the available flow records for the dry months of the year, for 2022 and 2023. 2024 flow data are indicative of reported water system leaks that were discovered in February and partially repaired in May 2024. Current dry-period flow monitoring for the PYCF suggests that water leaks still exist in the PYCF and are continuing to contribute to the wastewater stream. Since circa 2014, a separate flow meter at Preston Lift Station has existed to record and report daily flow from the PYCF. However, for the purposes of this assessment, it was found that the only useable data started in January 2022. The maximum recorded flow during wet weather is 293,898 gallons per day (Dec. 31, 2022). Table 3 presents an assessment of the recent water year 2023 and 2024 meter data and Infiltration and Inflow as a function of monthly total precipitation. This recent data is compared to the previous estimates of I&I generated during preparation of prior MCSP technical studies and as used in the June 2020 Report of Waste Discharge, as estimated based on water year 2017 data. Based on this analysis, continued use of the water year 2017 PYCF flows are supported for this water balance as a reasonably conservative basis for flows occurring during a 1-in-100 year precipitation season from the PYCF system.

⁵ Based on Table H201.1(4) of Appendix H of the California Plumbing Code.

Table 3
PYCF Monthly Average Flow Rates and Estimated I&I

Month	WY 2023			WY 2024			WY 2017 Estimates		
	Average Flow (gal/d)	Monthly Rain (in)	I&I (Avg. gallons per day per inch)	Average Flow (gal/d)	Monthly Rain (in)	I&I (Avg. gallons per day per inch)	2016/2017 Estimated I&I (gal/d)	Monthly Rain (in)	Equivalent I&I (Avg. gallons per day per inch)
October	44	0	-	111	0	-	11,000	5.98	1,839
November	717	1.89	379	299	1.06	282	14,000	3.08	4,545
December	49,624	9.42	4,949	204	2.11	97	16,000	3.48	4,597
January	70,416	9.73	7,237	8,451	3.86	2,189	67,000	11.97	5,597
February	5,143	2.19	2,348	31,620	4.49	Water Leak ¹	97,000	9.75	9,948
March	62,084	6.27	9,901	31,516	3.19	Water Leak	29,000	3.29	8,815
April	5,920	0.26	22,769	31,767	1.73	Water Leak	23,000	3.18	7,232
May	743	0.46	1,615	11,816	0.75	Water Leak	1,000	0.25	4,000
June	201	0.03	-	4,663	0	Water Leak ²	0	0.19	-
July	45	0	-	3,577	0	Water Leak	0	0	-
August	128	0	-	5,135	0	Water Leak	0	0	-
September	51	0.43	-	3,740	0	Water Leak	0	0	-
Total	-	30.68	-	-	17.19	-	-	41.17	-

¹PYCF Leaks found and reported in the Wastewater Transmission Line Inspection Form, February 2024.

²PYCF Wastewater Transmission Line Inspection Form noted no leaks as of June 2024. Uncharacteristically high flows are still reported from June to September 2024 indicating leaks still exist.

3.4 Flow Summary and Estimates

Flows used in the water balance calculations consist of the following:

1. Average dry weather flows for the MCSP, MCIC, and CFTA; and
2. Monthly I&I rates for the MCSP, MCIC, and PYCF.

For these monthly-based water balance calculations, I&I is estimated based on subtracting the flow of wastewater origins, calculated as the ADWF, from the total influent flow on a monthly basis. This requires a reasonable estimate of the flow of wastewater origins contemporaneous with the winter-period flow assumed to include I&I. The June 2020 Report of Waste Discharge evaluated available flow data from Water Year 2017 as a means to estimate I&I under a 1-in-100 year precipitation season. The evaluation summarized in Table 4 presents the estimated I&I from recent MCSP

(inclusive of PYCF and CFTA flows) and MCIC flow data and compares those values to the 1-in-100 year I&I values developed for the June 2020 Report of Waste Discharge. The data analysis is presented in more detail in Exhibit B.

Table 4
Assessment and Comparison of MCSP* and MCIC Estimated I&I

	WY 2020		WY 2021		WY 2022		WY 2023		WY 2024		WY 2017 Basis		
Month	MCSP I&I* (Mgal/d)	MCIC I&I* (Mgal/d)	MCSP I&I* (Mgal/d)	MCIC I&I (Mgal/d)	MCSP I&I* (Mgal/d)	MCIC I&I (Mgal/d)	MCSP I&I* (Mgal/d)	MCIC I&I (Mgal/d)	MCSP I&I* (Mgal/d)	MCIC I&I (Mgal/d)	MCSP I&I* (Mgal/d)	MCIC I&I (Mgal/d)	Total System I&I (Mgal/d)
October	0.00	0.00	0.00	0.00	0.00	0.00	N/A	0.00	0.00	0.00	0.011	0.013	0.024
November	0.00	0.006	0.00	0.00	0.00	0.00	N/A	0.00	0.00	0.00	0.014	0.002	0.016
December	0.033	0.008	0.024	0.00	0.117	0.00	N/A	0.00	0.00	0.00	0.016	0.00	0.016
January	0.00	0.008	0.036	0.00	0.056	0.00	N/A	N/A	0.037	0.00	0.154	0.00	0.154
February	0.00	0.011	0.032	0.00	0.00	0.00	0.004	0.00	0.085	0.00	0.148	0.001	0.149
March	0.00	0.00	0.014	0.00	0.027	0.00	0.082	0.00	0.059	0.00	0.029	0.005	0.034
April	0.00	0.024	0.00	0.00	0.048	0.00	0.00	0.00	0.005	0.00	0.026	0.010	0.036
May	N/A	N/A	0.00	0.00	0.00	0.00	0.024	0.00	0.00	0.00	0.026	0.002	0.028
June	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.018	0.002	0.020
July	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
August	0.00	0.00	0.00	0.00	N/A	N/A	0.00	0.00	0.00	0.00	0.00	0.00	0.00
September	0.00	0.00	0.00	0.00	N/A	0.001	N/A	0.00	0.00	0.00	0.00	0.00	0.00

* Represents combined estimated MCSP, PYCF, and CFTA flows.

N/A = Due to meter equipment errors data was not available for these periods.

Comparing the 2017 estimated infiltration and inflow to recent 2020 through 2024 water year system performance, the 2017-basis is supported and has been used to estimate infiltration and inflow into the system during a 1-in-100 year precipitation season. Average year infiltration and inflow has been estimated based on the average rate indicated by water years 2020 through 2024.

The current flows of wastewater origins consist of flows from the MCSP and MCIC population and activities and the CFTA population and activities. Recent influent flow monitoring indicated an average dry weather flow (ADWF)⁶ of 0.51 Mgal/d, up from the previous ADWF of 0.48 Mgal/d as indicated by the average of 2018 and 2019 data. This increase in ADWF is likely due to a combination of variability in MCSP/MCIC populations, nominal increases in water use in the MCIC as the facilities' operations have matured, and potential nominal increase in activity at the CFTA (although not documented). Considering these conditions and the estimated values presented above, Table 5 summarizes the estimated wastewater flow contribution per system served by the MCSP WWTP.

⁶ Calculated for the MCSP based on the average of flows from June, July, and August.

Table 5
Estimated Current Contribution to MCSP ADWF of 0.51 Mgal/d

	Source (Mgal/d)			
	MCSP	MCIC	CFTA	Total
ADWF Contribution	0.35	0.13	0.03	0.51
Per unit Wastewater Generation (gpid/gpcd)	135	101	126	

gpid = gallons per incarcerated persons per day

gpcd = gallons per cadet per day

3.5 Projection of Future Flows

The August 14, 2024 Water Code Section 13267 letter requests that CDCR project wastewater flows over the next 5 years. Unlike a traditional California community, such as the City of Lone or City of Sutter Creek, the population of institutional facilities such as the Mule Creek State Prison and the Cal Fire Training Academy depend on facilities capacity (such as bed capacity), staffing to support that capacity, and statewide policies and directives. At this time there are no known plans for expanding or modifying the MCSP or CFTA institutions within the next five years and therefore future flows to the MCSP WWTP will be driven by statewide policy such as incarcerated persons population management amongst the CDCR facilities across the state and the Governor's year-to-year direction on Cal Fire cadet training. CDCR's current projections for total incarcerated persons population indicate an average approximately 2% reduction per year through 2028⁷. Within the MCSP system (including the MCSP and MCIC), the incarcerated persons population will be limited to the capacity of the existing facilities and a degree of "overcrowding" that may occur as CDCR manages the statewide incarcerated persons population and its projected decrease over the next five years. As noted above and documented in Exhibit A, the recent total MCSP/MCIC population has ranged from 3,743 to 4,051 incarcerated persons, with an average of 3,876 incarcerated persons, with a report design capacity of 3,284 incarcerated persons as presented in Exhibit A. This current incarcerated persons population level indicates an occupancy at 114% to 123% of design capacity. Although statewide the total incarcerated persons population is projected to decrease, for the purpose of this capacity assessment the current population levels are assumed with a 5% safety factor applied as noted in Table 6. As an alternative potential worst-case condition, Table 6 also presents an estimated maximum potential MCSP/MCIC occupancy at 4,926 incarcerated persons at 150% of design capacity as a basis for projection.

⁷ CDCR Spring 2024 Population Projections, May 2024, Table 1, Office of Research, Division of Correctional Policy Research and Internal Oversight, available through <https://cdcr.ca.gov/research>.

Table 6
Estimated Contributions to Future MCSP ADWF

	Source (Mgal/d)			
	MCSP	MCIC	CFTA	Total
Existing Conditions				
ADWF Contribution	0.35	0.13	0.03	0.51
Safety Factor (5%)				0.03
Total				0.54
Max Potential MCSP/MCIC Occupancy¹				
ADWF Contribution	0.45	0.16	0.03	0.64
Safety Factor (5%)				0.03
Total				0.67

¹ Current ADWF plus an additional 1,050 incarcerated persons over recent 3,876 average at 67% at MCSP generating 135 gpid and 33% at MCIC generating 101 gpid. Assumed CFTA at maximum 238 cadet occupancy with staffing at 120.

3.6 Existing Wastewater Treatment System

As documented in the Mule Creek State Prison Wastewater Treatment Plant Improvements design plans, dated August 29, 2014, prepared by GHD, and as reported in the Mule Creek State Prison Wastewater Treatment Plant Improvements Completion Report, dated May 31, 2017, the existing MCSP WWTP has the following hydraulic design capacity:

- Average daily influent flow capacity of 1.0 Mgal/d
- Dry weather daily influent flow of 1.0 Mgal/d
- Peak hour influent flow of 2.86 Mgal/d
- Peak day influent flow of 1.7 Mgal/d
- Peak month influent flow of 1.3 Mgal/d

Other than when the RWQCB requested that CDCR divert stormwater to the WWTP, historical influent flows have been well below the design capacity of these facilities. Projected future flows as noted in Table 6 are below these reported design capacities. The existing MCSP wastewater treatment facilities were designed and constructed to allow for the conveyance and treatment of wastewater under a variety of conditions. CDCR implements a maintenance program on wastewater treatment processes and elements of the sewer system described in detail in the MCSP Sewer System Management Plans (SSMP)⁸. For additional overflow prevention, the MCSP system is equipped alarms and reliability features including alarms and communications to Plant Operations for high water events.

⁸ SSMP, Page 11 & 12.

4.0 MCSP Effluent Storage and LAA Characteristics and Operations

The effluent storage reservoir and LAAs are the components that allow the MCSP wastewater system to store and apply treated effluent in a controlled manner protective of water quality. The effluent storage reservoir, like its name implies, holds effluent until climate and LAA conditions and the operators are ready to apply wastewater to the LAAs. The LAAs are provided wastewater when they can readily receive the wastewater in compliance with the LAA discharge specifications. On November 26, 2019, a Land Application Area Management Plan was developed with the intent of aiding operators in meeting the requirements of WDR R5-2015-0129, with the ultimate objective of maintaining or improving groundwater quality to the extent practicable. This was submitted to the Regional Board on that same date. The long-term goal of land application management practices is to be able to maintain and operate the LAAs for the life of the treatment facilities. These characteristics, and the below specifics, have been incorporated into this update to the MCSP water balance calculations.

4.1 Land Application Area Characteristics

MCSP operations staff document the volume effluent applied to each LAA or combination thereof, as well as irrigation durations to each LAA on a daily basis. The approach for calculating the distribution of treated effluent applied to each field involved the following sources of information:

- Daily recorded total irrigation volume applied to the LAA as recorded by the irrigation pump station flow meter;
- Sprinkler counts and estimated spray nozzle capacities; and
- Daily recorded irrigation durations to each land application area.

Each LAA is a bit different, not only in size but soil depth and soil type, shown below in Figure 4. The soil type and depth is balanced with the irrigation timing and duration. CDCR has conducted significant investigation and characterization of the LAAs and their underlying soil characteristics as detailed in the June 2020 Report of Waste Discharge and the following technical reports submitted to the Regional Water Quality Control Board:

1. Technical Report Update, Mule Creek State Prison, October 15, 2018
2. Land Application Area Soil Sampling Plan, Mule Creek State Prison, October 15, 2018
3. Updated Land Application Area Management Plan, Mule Creek State Prison, November 26, 2019
4. Land Application Area Soil Evaluation Report, Mule Creek State Prison, November 26, 2019

The most current and relevant information regarding the MCSP effluent reservoir and LAA facilities characteristics from these prior studies have been incorporated into the enclosed water balance calculations.

As confirmed through site investigations and facilities mapping, the existing MCSP LAAs consist of six distinct irrigation areas, separated by location and irrigation system piping, with the estimated effective area as summarized in Table 7⁹.

Table 7
Current LAA Designations and Approximate Net Area

LAA Number	Effective Area (acres)
1	28
2	28
3	31
4	39
6	31
7	43
Total	200

The effective area of these LAAs were estimated based on an evaluation of historical LAA layouts, modifications to the irrigation system/LAAs as a result of improvements to the site (e.g., construction of MCIC), and through examination of existing aerial imagery indicating the area effectively having treated effluent applied. The LAAs are managed to avoid any tailwater under normal application practices. This is achieved by closely monitoring and controlling the application durations such that surface soil saturation and runoff do not occur. Each LAA has a 3 to 5 ft earthen berm constructed along the downslope perimeters. Tailwater berms are located downslope of the LAAs and are maintained to capture and contain any runoff that may occur. The LAAs are not operated during or immediately following precipitation events. Below is a description of the LAAs, and their relative use.

LAA1 is located on the Southwest side and is currently divided into three sections for irrigation purposes. Historically LAA1 has been used mostly during the Fall, Spring and Summer (May through October). LAA1 is irrigated about 16 days per year, resting mostly during the Winter.

LAA2 is located in the upper Northwest of the effluent storage reservoir. It is currently divided into two sections for irrigation purposes. Irrigation of LAA2 has historically been mostly during the Fall, Spring, and Summer (May through October). LAA2 is irrigated about 16 days per year, resting mostly during the Winter.

LAA3 is located on the North side of the effluent storage reservoir and is currently divided into three sections for irrigation purposes. Historical irrigation of LAA3 is mostly during the Fall, Spring and Summer (May through October). LAA3 is irrigated about 14 days per year, resting mostly during the Winter.

LAA4 is located East of the effluent storage reservoir. It is currently divided into two sections for irrigation purposes. Irrigation of LAA4 is mostly during the Fall, Spring, and Summer (May through October). LAA4 is irrigated about 25 days per year, resting mostly during the Winter.

⁹ LAA areas as validated and reported in the Table 2-1 of the Revised Land Application Area Management Plan, November 2019.



LAA6 is located on the Southwest side and is currently divided into three sections for irrigation purposes. Irrigation of LAA6 has been typically all year long when precipitation conditions allow. LAA6 is irrigated about 27 days per year.

LAA7 is located on the Southwest side and is currently divided into three sections for irrigation purposes. Irrigation of LAA7 has typically been almost all year long when precipitation conditions allow. LAA7 is irrigated about 41 days per year.

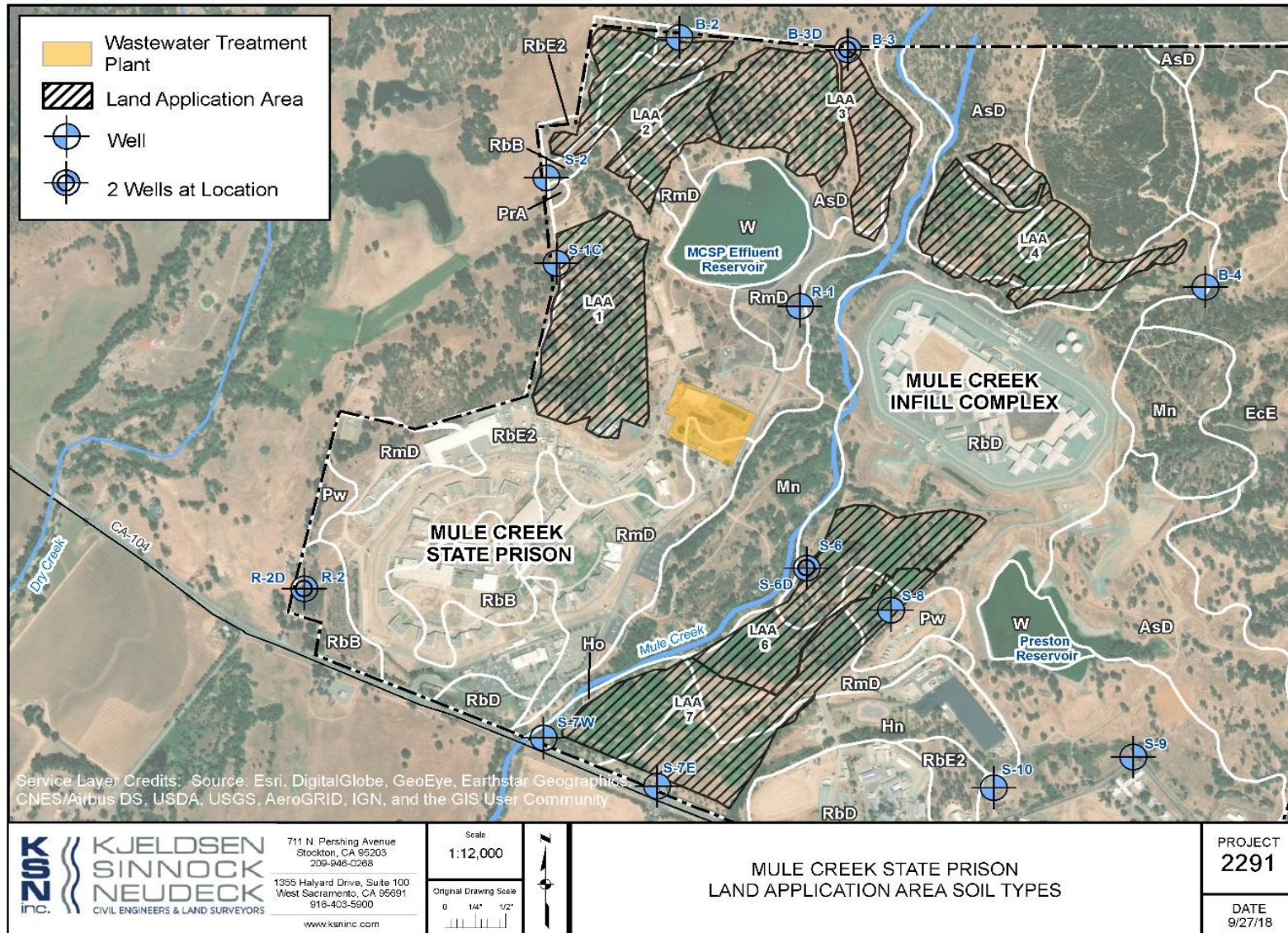


Figure 4.
Soil Types Underlying MCSP LAAs

4.2 Effluent Storage Reservoir Characteristics

The effluent storage reservoir is an integral component of the treatment system. The effluent reservoir is an earthen dam that stands 51 feet high. It is certified by the Department of Water Resources (DWR) and is listed as being in satisfactory condition. The maximum volume listed by DWR is 535 Acre-ft (174 MG). However, the Regional Water Quality Control Board, Central Valley Region requires two feet of freeboard, reducing its permitted capacity to 155 Mgal. The top area open for rainfall to enter the system is 21.6 acres. The bottom area is open for infiltration and groundwater is approximately 10 feet below the bottom of the effluent storage pond. The EPA Design Manual for Municipal Wastewater Stabilization Ponds¹⁰ provides a conservative estimate of seepage rate for percolation ponds of approximately 0.3 in/day. Through the model calibration against the 2017 Water Year, the seepage rate was adjusted to 0.4 in/day to more closely represent actual conditions. Throughout the wet year, treated wastewater enters the reservoir and is held until temperatures increase. Eventually that water is used at the LAAs or the Castle Oaks Golf Course through the Castle Oaks Water Recycling Plant.

4.3 Off Site Discharge to the Castle Oaks Water Recycling Plant

In addition to discharging to on-site LAAs, the MCSP WWTP also has connection to the COWRP, which provides tertiary treated recycled water used for irrigation of the Castle Oaks Golf Course. There are two connections to COWRP, one is through Preston Reservoir and the Preston Outfall and the second is through a direct connection to the Preston Outfall located on the MCSP site consisting of piping and a bypass valve installed in 2017. Since the construction of the bypass valve in 2017, MCSP has delivered effluent directly through this pipeline, and has not sent any water to Preston Reservoir. The MCSP Effluent Storage Reservoir provides storage for MCSP WWTP effluent until it is discharged to either the on-site LAAs or the COWRP. Secondary disinfected effluent is conveyed to the COWRP based on an existing agreement among the Amador Regional Sanitation Authority (ARSA), CDCR, and the City of Lone, the Agreement to Regulate use of Henderson/Preston Wastewater Disposal System, or "Wastewater Agreement". The Wastewater Agreement was first approved in September 2007 by the three parties. This agreement specifies the amount of effluent that ARSA and CDCR have the right to convey for treatment at the COWRP. The Wastewater Agreement was supplemented with the execution by the three parties of the 2009 lease for the storage and conveyance facilities utilized by ARSA. This agreement provides for an allowable total annual discharge of effluent by CDCR to COWRP of 350 acre-feet, which is counted against the allowable annual ARSA discharge of 650 acre-feet. Under the Wastewater Agreement, CDCR has had average monthly discharges as summarized in Table 8. The 2013 to 2024 average discharge volume excludes the water year 2023 distributions, which had uncharacteristically low discharges due to the accommodation of ARSA's need for additional storage space due to reservoir storage repairs leading to atypical WWTP operations involving higher volume accumulation in the effluent storage reservoir throughout the wet season.

The historical average transfer to COWRP presented in Table 8 and the maximum allocations from the Tri Party Agreement were used as benchmarks in the water balance calculations, but the historical average discharge to COWRP was not used in the model scenarios. The waterbalance model scenarios utilized transfers to COWRP in two distinct ways: to demonstrate the need of COWRP transfers to maintain storage and capacity requirements, and to show the storage outcome under the maximized Tri Party Agreement allocation.

¹⁰ EPA Design Manual for Municipal Wastewater Stabilization Ponds, October 1983



Table 8
2013 through 2024 Average COWRP Monthly Transfers

Flow to Castle Oaks, MG	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
WY 2012-2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.09	9.58	15.03	23.67	11.84	88.21
WY 2013-2014 ³	12.34	8.56	0.00	3.22	12.11	0.00	0.00	0.00	45.16	28.59	0.00	10.05	120.02
WY 2014-2015	5.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.74	24.79	22.93	15.08	84.29
WY 2015-2016	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	35.93	36.38	10.31	83.27
WY 2016-2017	4.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.57	32.33	68.18
WY 2017-2018	1.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.90	43.80	34.99	81.41
WY 2018-2019	21.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.30	24.54	77.69
WY 2019-2020 ³	20.58	18.91	2.10	23.12	0.00	0.00	0.00	0.00	0.00	0.00	29.82	30.82	125.36
WY 2020-2021	1.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.48	36.47	27.57	11.54	100.54
WY 2021-2022	10.50	0.00	0.00	0.00	0.00	0.00	9.53	14.37	8.03	23.33	25.00	17.95	108.70
WY 2022-2023 ¹	6.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.88	22.50
WY 2023-2024	19.82	9.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.17	33.07	94.60
Average Discharges ² :	8.9	3.4	0.2	2.4	1.1	0.0	0.9	3.9	9.3	15.0	27.7	21.1	93.8

¹ MCSP staff reported that transfers to COWRP were curtailed as requested by the City of Lone and Sutter Creek to allow Sutter Creek/ARSA to use available capacity in the COWRP system. During WY 2023 virtually all of the MCSP effluent was applied to the MCSP LAAs, except for October 2022 and September 2023.

² Average transfers exclude the 2022-2023 Water Year which had an uncharacteristically low annual discharge of 22.5 Mgal.

³ Water Year is acknowledged to have higher than normal distributions above the Tri-Party Agreement allocation. COWRP distributions are included for historical accuracy.

5.0 Water Balance Climatological Factors and Infiltration and Inflow Inputs

The water balance was updated using data provided by MCSP over the current period of record and review of updated published climatological data summaries and statistics.

5.1 Rainfall Characteristics

The Desert Research Institute publishes tabulated average monthly precipitation for Camp Pardee from 1926 through 2024 and for CalFire Precipitation Station CF1 in Lone from 2012 through 2024. The average of these two monthly precipitation characteristics have been assumed for the MCSP site.

Long-duration depth-duration-frequency statistics were updated based on the most recent data from the Lone Station B00 4283 00 as maintained and published by the California Department of Water Resources, Flood Emergency Response Information Exchange, FERIX. For the 100 year hydrologic condition average monthly rainfall was multiplied by the ratio of the 100 year, 365-day storm to the average annual storm. This ratio is 1.81 and remains unchanged from previous iterations of water balance calculations for the site.

5.2 Soil, Crop, and Evapotranspiration Characteristics

Typical monthly evapotranspiration (ET_o) rates were obtained from California Polytechnic State University Irrigation Training and Research Center (ITRC). MCSP falls within reference evapotranspiration Zone 14. Crop evapotranspiration and crop coefficients are available for both average year and wet year conditions. Crop coefficients were based on a representative mixture of pasture grasses and deciduous oaks (see Table 10 and 23 of the referenced document).¹¹ The soil depth of the LAAs were assumed to be 14 inches for fields 1-4, and 6 and 60 inches for field 7. This is based on field observations. Soil Available Water Holding Capacity (AWHC) – or the total of available water in the root zone, and the Management Allowed Depletion (MAD) – or the amount of water that is allowed to be used by the plant between irrigations was estimated based on values as stated in the NRCS Web Soil Survey. The combination of the ET_o, crop coefficients, and soil characteristics were used to estimate the amount of irrigation that each LAA could uptake on a monthly basis.

6.0 Water Balance Model Validation

The water balance was calibrated using available data from the 2017 water year, which had a reported annual total precipitation of over 41 inches, exceeding the 1-in-100 year precipitation season total for Lone, CA. Calibration of the water balance calculations were based on matching predicted peak effluent storage levels, end-of-season applications and remaining effluent as modeled in the water balance calculations with reported data. The following 2017 water year conditions were considered in the water balance calibration:

- Influent and effluent flow totals for the 2017 water year provided by MCSP and CDCR,
- 1-in-100 year infiltration and inflow (included in the total influent flows),

¹¹ California Crop and Soil Evapotranspiration, Cal Poly Irrigation Training and Research Center, ITRC Report No. R 03-001, January 2003.

- Actual ADWF of 0.38 Mgal/d, to establish a basis for model comparison at reported values;
- Average monthly rainfall totals measured at the MCSP WWTP,
- Recorded discharges to Preston reservoir, and
- Beginning effluent reservoir storage of 20 Mgal.

The ITRC Zone 14 Wet Year evapotranspiration and an adjusted evapotranspiration constant for grass and trees was referenced for consistency with modeled calculations. In effort to provide a basis for comparison between the modeled LAAs and the actual reported conditions, the AWHC between LAA7 and LAAs1-4 and 6 were analyzed separately. An adjustment factor was applied to the LAA application calculations to reflect modeled (calculated) vs. reported system conditions. The model provided full effluent storage disposal by the end of the water year, closely matching actual 1-in-100 year hydrologic conditions. The reported storage values presented an effluent storage accumulation which peaked earlier than the simulated model; however, the modeled volume and rate of increase/decrease were consistent with the values provided by the calibration, justifying the model formulas and processes. A conservative percolation factor of 0.3 in/day was initially used to estimate the percolation losses. After adjustment, a percolation factor of 0.4 in/day was found to provide the disposal conditions that most accurately represent reported system conditions, with this percolation factor still being within a reasonable range. The catchment area runoff coefficient to the effluent storage reservoir was also adjusted from the original conservative assumption of rational runoff coefficient of 0.9 to 0.5 providing for a model result better reflecting recorded water storage conditions. The current adjustment assumes the reservoir water surface capture is 100%, the 0.5 rational runoff coefficient only applies to the embankment surrounding the reservoir. The value was reduced to a more reasonable level of 0.5 during calibration. Soil Survey classified the regional soils in the area around the MCSP Effluent Storage Reservoir and determined them to be heavy and roughly 80% steep and 20% flat; therefore, a reasonable range for embankment runoff coefficients was found to be 0.3 to 0.5. As such the high end of this range is just fine, conservative. The 2017 1-in-100 year water balance calibration is provided in Exhibit D.

7.0 Water Balance Projections and Results

As required by the August 14, 2024 Water Code Section 13267 letter and further clarified by RWQCB staff, the following flow scenarios were evaluated with the water balance calculations under average year and 1-in-100 year precipitation conditions:

1. Under projected 5-year influent flow conditions, projected to 0.54 Mgal/d as presented in Table 6;
2. Under current permit capacity ADWF of 0.74 Mgal/d

In addition to these influent flow bases, a third scenario detailing the estimated maximum potential influent flow at a combined MCSP occupancy of 4,926 incarcerated persons, as presented in Table 6, has also been evaluated.

Disposal conditions assumed under each of these conditions include:

- Evaluation of potential or all effluent to be applied to existing LAAs.

- Need for and use of proposed 61 acres of new on-site LAAs.
- Discharge to COWRP consistent with 2009 Agreement and recent historical discharges.
- Discharge to some other off-site effluent disposal/recycled use location.

The water balance shows that the current system is capable of functioning in all but an extreme case. Conducted at the current annual average with a safety factor of 5% to account for seasonal variability, the water balance shows that the system is currently capable of functioning during both a normal wet weather season and 1-in-100 year season at an ADWF of 0.54 Mgal/d. The MCSP system is also shown to be able to function to treat, dispose and store treated effluent at the 0.74 Mgal/d design flow, however the water balance does show that the system would have an excess of water if forced to operate at the projected permit design flow during a 1-in-100 year precipitation weather season. Results of the water balance scenarios are discussed below and presented in Table 9 and discussed further in the below sub-sections.

The summaries below include details regarding multiple scenarios including and assumed transfer to COWRP consistent with the average transfers for the past ten years as presented in Table 8. This scenario is provided to allow for proper context to the interplay of seasonal storage to total disposal needs and the timing of when such disposal is available. Absent integrating proper context to the calculations, providing discharge volumes alone does not accurately depict the characteristics of facilities that could be required to meet capacity needs.

Table 9
Water Balance Result Summary at Current Disposal Capacity

	Item	SCENARIO 1 - 0.54 Mgal/d ADWF				SCENARIO 2 - 0.74 Mgal/d ADWF				SCENARIO 3 - 0.67 Mgal/d ADWF			
		Average Year		1-in-100 Year		Average Year		1-in-100 Year		Average Year		1-in-100 Year	
		MG	AF	MG	AF	MG	AF	MG	AF	MG	AF	MG	AF
ANNUAL INFLOW (MG/AF)	WASTEWATER INFLOW	195	599	195	599	270	829	270	829	245	752	245	752
	INFLOW AND INFILTRATION	5	15	14	43	5	15	14	43	5	15	14	43
	PRECIPITATION INTO RESERVOIR	13	40	24	74	14	43	26	80	13	40	25	77
	TOTAL INFLOW	213	654	233	715	289	887	310	952	263	807	284	872
ANNUAL OUTFLOW POTENTIAL (MG/AF)	EVAPORATION FROM RESERVOIR	18	55	18	55	26	80	25	77	23	71	22	68
	PERCOLATION FROM RESERVOIR	38	117	38	117	38	117	38	117	38	117	38	117
	ON-SITE LAND DISPOSAL	139	427	102	313	139	427	102	313	139	427	102	313
	DISCHARGE TO COWRP	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL OUTFLOW	195	599	158	485	203	623	165	506	200	614	162	497
OVERALL BALANCE (MG/AF)	LAA CAPACITY USED	139	427	102	312	139	427	102	312	139	427	102	312
	COWRP CAPACITY USED	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL DISPOSAL CAPACITY USED	139	427	102	312	139	427	102	312	139	427	102	312
	EFFLUENT REMAINING AT END OF SEASON	17	54	76	234	85	261	144	442	62	190	120	368
STORAGE (MG/AF)	TOTAL REQUIRED STORAGE CAPACITY ¹	86	265	124	382	129	396	172	528	114	351	155	476

1. Maximum available MCSP Effluent Storage Reservoir capacity is 155 Mgal/ 475 AF

7.1 Average and 1-in-100 Year Precipitation Season at Average Recent Flows of 0.54 Mgal/d

Under average conditions and current flows at no more than 0.54 Mgal/d, MCSP WWTP is able to treat and dispose of all seasonal flows through use of the existing on-site LAAs without exceeding the available maximum storage of 155 Mgal. The water balance predicts that the effluent storage reservoir would reach a maximum level of 86 Mgal by the end of April. The effluent generated through the duration of the water year would be accommodated by the existing LAAs leading to an ending storage reservoir balance of 18 Mgal.

Under 1-in-100 year precipitation season conditions, which adds substantial water to the reservoir and severely limits the availability and capacity of the LAAs, the effluent storage reservoir would reach a maximum level of approximately 125 Mgal, 30 Mgal below the facility capacity of 155 Mgal, by May. Once seasonal conditions allow application of effluent to the on-site LAAs, predicted to be no earlier than May, effluent would be applied to the maximum estimated capacity of these facilities throughout the irrigation season. At the end of the season an estimated 76 Mgal would remain in the effluent storage reservoir at the end of September. Utilizing a subsequent water balance calculation assuming an average year following the 1-in-100 year, the resultant following year effluent generation would exceed the capacity of the effluent storage reservoir by April. To remain within reservoir capacity throughout the year, the starting volume would need to be less than 70 Mgal in the second year. Therefore, under current flow conditions additional storage and/or disposal capacity is needed. The water balance calculations contained in Exhibit D indicate the following:

- After expanding the on-site LAAs by 61 acres:
 - Maximum storage is reduced to 121 Mgal by May.
 - Effluent in storage is reduced to 50 Mgal by the end of September.
 - The calculations indicate that with the addition of the previously proposed 61 acres of LAA that the system may be able to accommodate wastewater flows, however with a risk of exceeding permitted effluent storage volumes with subsequent wet years.
- Utilizing the existing LAAs but discharging to the COWRP at 83 Mgal/year (lower than the historical rate of 93.8 Mgal):
 - Maximum storage is reduced to 114 Mgal by May.
 - Effluent in storage is reduced to 0 Mgal by the end of September.
 - The calculations indicate that using the COWRP discharge would result in the system being able to contain the 1-in-100 year conditions and subsequent average years without exceeding effluent storage capacity and being able to return to an empty reservoir by the end of the second year using only the onsite LAAs.

7.2 Average and 1-in-100 Year Precipitation Season at Permit Capacity Flow of 0.74 Mgal/d

Under current permit flow limit conditions of 0.74 Mgal/d and average year precipitation conditions, MCSP WWTP is able to treat and dispose of all seasonal flows through use of the existing on-site LAAs without exceeding the available maximum storage of

155 Mgal. The water balance predicts that the effluent storage reservoir would reach a maximum level of 129 Mgal by the end of April, leading to an effluent storage of 85 Mgal by the end of the water year. Although flows under the first average year condition remain within capacity, an ending storage balance of 85 Mgal is expected to cause violations in a following average year.

Under 1-in-100 year precipitation season conditions the effluent storage reservoir would exceed its maximum capacity of 155 Mgal in April. If the effluent could be stored, once seasonal conditions allow application of effluent to the on-site LAAs, predicted to be no earlier than May, effluent would be applied to the maximum estimated capacity of these facilities throughout the irrigation season. At the end of the season, effluent storage needs would continue to exceed the capacity of the effluent storage reservoir through the end of July. Therefore, under current permit flow limit of 0.74 Mgal/d conditions additional storage and/or disposal capacity is needed. The water balance calculations contained in Exhibit D indicate the following:

- After expanding the on-site LAAs by 61 acres:
 - Maximum effluent storage is exceeded in May.
 - The calculations indicate that additional storage and/or disposal capacity would be needed.
- Utilizing the existing LAAs but also discharging to the COWRP at 83 Mgal/year:
 - Maximum effluent storage is still exceeded in May.
 - The calculations indicate that additional storage and/or disposal capacity would be needed.
- After expanding the LAAs and discharging to the COWRP at 350 ac-ft per year in accordance with the Tri Party Agreement:
 - Maximum effluent storage is 126 Mgal in May.
 - Effluent storage would be reduced to nearly empty in June.
 - The calculations indicate that the yearly effluent storage need is fully accommodated with the utilization of the CDCR allocation of 350 ac-ft per year discharge to COWRP.

Expanded storage and effluent disposal capacity is expected to be needed if the MCSP system is to operate independently at a permit capacity of 0.74 Mgal/d, beyond that provided by expanding the on-site LAAs or utilizing the COWRP discharge consistent with historical rates.

7.3 Average and 1-in-100 Year Precipitation Season at Maximum Capacity Flow of 0.67 Mgal/d

The MCSP and MCIC maximum potential occupancy scenario condition is expected to generate 0.67 Mgal/d. In an average year rainfall condition, the water balance calculations indicate that the existing MCSP WWTP facilities have the capacity to dispose of all effluent flows within the 155 Mgal volume of the effluent storage reservoir. The peak volume contained within the effluent storage reservoir is estimated at 115 Mgal at the end of April. The effluent reservoir volume steadily decreases as land

application disposal is available by the end of March. In September, the remaining year end reservoir volume is 62 Mgal, which is anticipated to lead to an exceedance of storage reservoir volume in the following average year.

Under 1-in-100 year conditions, the maximum effluent storage reservoir volume of 155 Mgal is met by the end of May, therefore, the results of the water balance analysis indicate that additional effluent disposal is required. The water balance results for the maximum capacity ADWF condition provided in Exhibit D are summarized below:

- Expanding the on-site LAAs by 61 acres under a 1-in-100 year precipitation conditions:
 - Maximum storage capacity is nearly met in May.
 - The ending balance in the storage reservoir is 94 Mgal, which is expected to lead to an exceedance in storage volume in the following average year.
- Disposal to the existing LAAs with discharge to the COWRP at 83 Mgal/year under a 1-in-100 year precipitation conditions:
 - Maximum effluent storage capacity is nearly met in May.
 - The ending balance in effluent reservoir storage is 41 Mgal in September.
 - The calculations indicate that the yearly effluent storage need is fully accommodated in following average precipitation years with starting storage volume of 41 Mgal.
- After expanding the LAAs and discharging to the COWRP at 350 ac-ft per year in accordance with the Tri Party Agreement:
 - Maximum effluent storage is 112 Mgal in May.
 - Effluent storage would be emptied by the end of September.
 - The yearly effluent storage need is fully accommodated with the utilization of the CDCR allocation of 350 ac-ft per year discharge to COWRP.

If the MCSP system is to operate independently at a maximum population capacity flow of 0.67 Mgal/d, expanded storage and effluent disposal capacity is expected to be needed by at least what is provided by expanding the on-site LAAs by adding 61 acres of State lands or utilizing the COWRP discharge at historical rates.

8.0 Assessment of Needed Expanded Capacity

As is previously noted, the water balance shows that the current system is capable of functioning in all but the extreme cases. With a safety factor of 5% to account for seasonal variability, the water balance shows that the system is currently capable of functioning during both a normal wet weather season and a 1-in-100 year precipitation season at an ADWF of 0.54 Mgal/d,

except during the year following the 1-in-100 precipitation year. The MCSP system, designed for daily wastewater treatment flow rate of 1.0 Mgal/d, can treat all expected higher flows.

However, the MCSP system cannot dispose and store treated effluent at the higher flows of 0.74 and 0.67 Mgal/day. Subsequent years and, when combined with a 1-in-100 year precipitation inflow, compound the problem specifically in the permit capacity of 0.74 Mgal/d scenario. Adding storage alone will not relieve the additional flow contribution to the system. To address this, MCSP would have to increase LAA areas and/or storage to accommodate the larger events and subsequent events. The water balance model was run to conceptually establish to what extent MCSP needs additional storage capacity and/or LAA area to accommodate extreme events.

8.1 Conceptual Expansion With On and/or Offsite Facilities

Based on the above-summarized water balance analysis, disposal and/or storage improvements would be necessary for MCSP to be in compliance with permit requirements under 0.54, 0.74, and 0.67 Mgal/d flows. The amount of excess volume for the three scenarios is shown in Table 10. The volume of excess is the overflow volume in the 1-in-100 season plus the difference between the volume of the end of the first year and the maximum allowable volume in the second year without causing or threatening to cause a effluent storage violation of the permit in the third year. The requirements for additional area for use as net LAA disposal, whether onsite or offsite, depends on the type of land available, especially the soils and geology. However, assuming characteristics similar to the existing MCSP LAAs 1-4, general conclusions can be made in quantifying the required area needed to accommodate the current influent flows, estimated maximum capacity flow rate and permitted maximum flow rate of 0.54 Mgal/d, 0.67 Mgal/day and 0.74 Mgal/day, respectively.

Table 10
Annual Excess Volume

Item	SCENARIO 1 0.54 Mgal/d ADWF		SCENARIO 2 0.74 Mgal/d ADWF		SCENARIO 3 0.67 Mgal/d ADWF	
	1-in-100 Year		1-in-100 Year		1-in-100 Year	
	MG	AF	MG	AF	MG	AF
Additional Annual MCSP WWTP Effluent Storage and Disposal Need	6	17	134	411	78	239

Average Recent Flows of 0.54 Mgal/d

Under current influent flow and disposal conditions, 1-in-100 year precipitation flows are fully contained. However, in the average precipitation year following the 1-in-100 year precipitation conditions at current capacity ADWF of 0.54 Mgal, effluent storage capacity is exceeded in April with a starting storage volume of 76 Mgal. In the average year following a 1-in-100 precipitation year, a starting storage volume of 70 Mgal is the maximum volume to be accommodated in order to maintain compliance with the WDRs. Adding 61 net acres of additional LAA, equal to the area proposed in 2015, will relieve the problem, with the additional disposal area providing adequate disposal of effluent flows and remaining volume within the effluent storage reservoir at the year end.



Permit Capacity Flow of 0.74 Mgal/d

Under current disposal conditions, 1-in-100 year precipitation conditions, and permit capacity ADWF of 0.74 Mgal, effluent storage capacity is exceeded by April. Ending volume in the storage reservoir is estimated to be 144 Mgal. In an average year following a 1-in-100 precipitation year, a starting storage volume of 26 Mgal is the maximum volume to be accommodated to remain within storage capacity limits. The addition of 250 net acres of LAAs would lead to an ending storage balance of 36 Mgal, which is able to be processed within the next average year. Additional storage of at least 9 Mgal would also be needed to contain effluent flows through peak flow periods of the year.

Maximum Capacity Flow of 0.67 Mgal/d

Under current disposal limits and a 1-in-100 precipitation year condition, effluent storage is met in May and the year-end volume in reservoir storage is estimated to be 120 Mgal. This carryover into an average following year leads to consistent period of storage exceedance starting in December. The maximum beginning storage volume in year 2 would need to be reduced to 41 Mgal to remain within current storage capacity. The addition of a total of 163 net on or off-site acres would result in a year-end storage balance of 50 Mgal. With the additional land application area, all storage needs throughout the year would be met. With the addition of the 163 net acres of additional LAA areas, flows are also accommodated in an average year following a 1-in-100 precipitation year, including the starting effluent storage volume of 50 Mgal.

Tri-Party Agreement Maximum Discharge to COWRP at 350 Ac-ft/year

As was previously noted above, in addition to discharging to on-site LAAs, the MCSP WWTP also has connection to the COWRP, which provides treated secondary water for use in making tertiary treated recycled water used for irrigation of the Castle Oaks Golf Course. This is based on an existing agreement among the ARSA, CDCR, and the City of Lone. This agreement provides for an allowable total annual discharge of effluent by CDCR to COWRP of 350 acre-feet, which is counted against the allowable annual ARSA discharge of 650 acre-feet.

A review of the historical use of this agreement shows that MCSP has not been taking full advantage of it, although has been using quite a bit of the agreement's allowable use. In fact, full use of the agreement on the agreed monthly maximum increments provides a solution to capacity exceedances during peak storage accumulation points throughout the year by fully diverting effluent storage reservoir volumes to COWRP by June. If capacity were available, the use of the full CDCR allocation of the Wastewater Agreement would provide a viable option for additional disposal capacity needs in the Permit Capacity Flow and Maximum Capacity Flow scenarios under 0.74 and 0.67 Mgal/d ADWF respectively.

Exhibit A

MCSP Recent Population Reports

Monthly Report of Population
As of Midnight January 31, 2019

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Male Institutions				
Avenal State Prison (ASP)	4,110	2,920	140.8	4,370
Calipatria State Prison (CAL)	3,490	2,308	151.2	3,333
California Correctional Center (CCC)	4,197	3,883	108.1	4,762
California Correctional Institution (CCI)	4,059	2,783	145.8	4,120
Centinela State Prison (CEN)	3,391	2,308	146.9	3,333
California Health Care Facility - Stockton (CHCF)	2,656	2,951	90.0	2,951
California Institution for Men (CIM)	3,662	2,976	123.1	4,186
California Men's Colony (CMC)	3,665	3,838	95.5	4,398
California Medical Facility (CMF)	2,330	2,361	98.7	2,847
California State Prison, Corcoran (COR)	3,291	3,116	105.6	4,270
California Rehabilitation Center (CRC)	2,314	2,491	92.9	3,210
Correctional Training Facility (CTF)	5,250	3,312	158.5	4,887
Chuckawalla Valley State Prison (CVSP)	2,733	1,738	157.2	2,478
Deuel Vocational Institution (DVI)	2,491	1,681	148.2	2,353
Folsom State Prison (FOL)	2,925	2,066	141.6	2,895
High Desert State Prison (HDSP)	3,240	2,324	139.4	3,361
Ironwood State Prison (ISP)	2,691	2,200	122.3	3,200
Kern Valley State Prison (KVSP)	3,703	2,448	151.3	3,522
California State Prison, Los Angeles County (LAC)	3,131	2,300	136.1	3,300
Mule Creek State Prison (MCSP)	3,993	3,284	121.6	4,009
North Kern State Prison (NKSP)	4,130	2,694	153.3	3,911
Pelican Bay State Prison (PBSP)	2,578	2,380	108.3	3,250
Pleasant Valley State Prison (PVSP)	3,129	2,308	135.6	3,333
RJ Donovan Correctional Facility (RJD)	3,841	2,992	128.4	3,942
California State Prison, Sacramento (SAC)	2,108	1,828	115.3	2,449
California Substance Abuse Treatment Facility (SATF)	5,586	3,424	163.1	5,111
Sierra Conservation Center (SCC)	4,167	3,936	105.9	4,570
California State Prison, Solano (SOL)	4,223	2,610	161.8	3,882
San Quentin State Prison (SQ)	3,977	3,082	129.0	3,984
Salinas Valley State Prison (SVSP)	3,353	2,452	136.7	3,409
Valley State Prison (VSP)	3,186	1,980	160.9	2,954
Wasco State Prison (WSP)	4,520	2,984	151.5	4,351
Male Total	112,120	85,958	130.4	116,931
Female Institutions				
Central California Women's Facility (CCWF)	2,812	2,004	140.3	2,964
California Institution for Women (CIW)	1,848	1,398	132.2	1,877
Folsom State Prison (FOL)	450	403	111.7	530
Female Total	5,110	3,805	134.3	5,371
Institution Total	117,230	89,763	130.6	122,302

Monthly Report of Population
As of Midnight February 28, 2019

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Male Institutions				
Avenal State Prison (ASP)	4,133	2,920	141.5	4,370
Calipatria State Prison (CAL)	3,551	2,308	153.9	3,333
California Correctional Center (CCC)	4,120	3,883	106.1	4,762
California Correctional Institution (CCI)	4,000	2,783	143.7	4,120
Centinela State Prison (CEN)	3,450	2,308	149.5	3,333
California Health Care Facility - Stockton (CHCF)	2,667	2,951	90.4	2,951
California Institution for Men (CIM)	3,743	2,976	125.8	4,186
California Men's Colony (CMC)	3,647	3,838	95.0	4,398
California Medical Facility (CMF)	2,336	2,361	98.9	2,847
California State Prison, Corcoran (COR)	3,346	3,116	107.4	4,270
California Rehabilitation Center (CRC)	2,445	2,491	98.2	3,210
Correctional Training Facility (CTF)	5,426	3,312	163.8	4,887
Chuckawalla Valley State Prison (CVSP)	2,738	1,738	157.5	2,478
Deuel Vocational Institution (DVI)	2,573	1,681	153.1	2,353
Folsom State Prison (FOL)	2,972	2,066	143.9	2,895
High Desert State Prison (HDSP)	3,179	2,324	136.8	3,361
Ironwood State Prison (ISP)	2,584	2,200	117.5	3,200
Kern Valley State Prison (KVSP)	3,698	2,448	151.1	3,522
California State Prison, Los Angeles County (LAC)	3,116	2,300	135.5	3,300
Mule Creek State Prison (MCSP)	4,021	3,284	122.4	4,009
North Kern State Prison (NKSP)	4,057	2,694	150.6	3,911
Pelican Bay State Prison (PBSP)	2,559	2,380	107.5	3,250
Pleasant Valley State Prison (PVSP)	3,185	2,308	138.0	3,333
RJ Donovan Correctional Facility (RJD)	3,765	2,992	125.8	3,942
California State Prison, Sacramento (SAC)	2,043	1,828	111.8	2,449
California Substance Abuse Treatment Facility (SATF)	5,526	3,424	161.4	5,111
Sierra Conservation Center (SCC)	4,048	3,936	102.8	4,570
California State Prison, Solano (SOL)	4,263	2,610	163.3	3,882
San Quentin State Prison (SQ)	3,851	3,082	125.0	3,984
Salinas Valley State Prison (SVSP)	3,429	2,452	139.8	3,409
Valley State Prison (VSP)	3,124	1,980	157.8	2,954
Wasco State Prison (WSP)	4,501	2,984	150.8	4,351
Male Total	112,096	85,958	130.4	116,931
Female Institutions				
Central California Women's Facility (CCWF)	2,835	2,004	141.5	2,964
California Institution for Women (CIW)	1,835	1,398	131.3	1,877
Folsom State Prison (FOL)	415	403	103.0	530
San Quentin State Prison (SQ)	1	3,082	0.0	3,273
Female Total	5,086	3,805	133.7	8,644
Institution Total	117,182	89,763	130.5	125,575

Monthly Report of Population
As of Midnight March 31, 2019

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Male Institutions				
Avenal State Prison (ASP)	4,043	2,920	138.5	4,370
Calipatria State Prison (CAL)	3,546	2,308	153.6	3,333
California Correctional Center (CCC)	3,984	3,883	102.6	4,762
California Correctional Institution (CCI)	3,930	2,783	141.2	4,120
Centinela State Prison (CEN)	3,488	2,308	151.1	3,333
California Health Care Facility - Stockton (CHCF)	2,646	2,951	89.7	2,951
California Institution for Men (CIM)	3,766	2,976	126.5	4,186
California Men's Colony (CMC)	3,524	3,838	91.8	4,398
California Medical Facility (CMF)	2,350	2,361	99.5	2,847
California State Prison, Corcoran (COR)	3,351	3,116	107.5	4,270
California Rehabilitation Center (CRC)	2,617	2,491	105.1	3,210
Correctional Training Facility (CTF)	5,447	3,312	164.5	4,887
Chuckawalla Valley State Prison (CVSP)	2,755	1,738	158.5	2,478
Deuel Vocational Institution (DVI)	2,569	1,681	152.8	2,353
Folsom State Prison (FOL)	2,983	2,066	144.4	2,895
High Desert State Prison (HDSP)	3,224	2,324	138.7	3,361
Ironwood State Prison (ISP)	2,578	2,200	117.2	3,200
Kern Valley State Prison (KVSP)	3,716	2,448	151.8	3,522
California State Prison, Los Angeles County (LAC)	3,136	2,300	136.3	3,300
Mule Creek State Prison (MCSP)	4,051	3,284	123.4	4,009
North Kern State Prison (NKSP)	4,148	2,694	154.0	3,911
Pelican Bay State Prison (PBSP)	2,553	2,380	107.3	3,250
Pleasant Valley State Prison (PVSP)	3,260	2,308	141.2	3,333
RJ Donovan Correctional Facility (RJD)	3,763	2,992	125.8	3,942
California State Prison, Sacramento (SAC)	2,057	1,828	112.5	2,449
California Substance Abuse Treatment Facility (SATF)	5,508	3,424	160.9	5,111
Sierra Conservation Center (SCC)	4,014	3,936	102.0	4,570
California State Prison, Solano (SOL)	4,294	2,610	164.5	3,882
San Quentin State Prison (SQ)	3,885	3,082	126.1	3,984
Salinas Valley State Prison (SVSP)	3,408	2,452	139.0	3,409
Valley State Prison (VSP)	3,068	1,980	154.9	2,954
Wasco State Prison (WSP)	4,788	2,984	160.5	4,351
Male Total	112,450	85,958	130.8	116,931
Female Institutions				
Central California Women's Facility (CCWF)	2,861	2,004	142.8	2,964
California Institution for Women (CIW)	1,796	1,398	128.5	1,877
Folsom State Prison (FOL)	447	403	110.9	530
San Quentin State Prison (SQ)	1	3,082	0.0	3,273
Female Total	5,105	3,805	134.2	8,644
Institution Total	117,555	89,763	131.0	125,575

Monthly Report of Population
As of Midnight April 30, 2019

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Male Institutions				
Avenal State Prison (ASP)	3,989	2,920	136.6	4,370
Calipatria State Prison (CAL)	3,538	2,308	153.3	3,333
California Correctional Center (CCC)	4,018	3,883	103.5	4,762
California Correctional Institution (CCI)	3,891	2,783	139.8	4,120
Centinela State Prison (CEN)	3,513	2,308	152.2	3,333
California Health Care Facility - Stockton (CHCF)	2,647	2,951	89.7	2,951
California Institution for Men (CIM)	3,675	2,976	123.5	4,186
California Men's Colony (CMC)	3,427	3,838	89.3	4,398
California Medical Facility (CMF)	2,520	2,361	106.7	2,847
California State Prison, Corcoran (COR)	3,235	3,116	103.8	4,270
California Rehabilitation Center (CRC)	2,753	2,491	110.5	3,210
Correctional Training Facility (CTF)	5,551	3,312	167.6	4,887
Chuckawalla Valley State Prison (CVSP)	2,789	1,738	160.5	2,478
Deuel Vocational Institution (DVI)	2,368	1,681	140.9	2,353
Folsom State Prison (FOL)	3,015	2,066	145.9	2,895
High Desert State Prison (HDSP)	3,187	2,324	137.1	3,361
Ironwood State Prison (ISP)	2,642	2,200	120.1	3,200
Kern Valley State Prison (KVSP)	3,679	2,448	150.3	3,522
California State Prison, Los Angeles County (LAC)	3,200	2,300	139.1	3,300
Mule Creek State Prison (MCSP)	4,088	3,284	124.5	4,009
North Kern State Prison (NKSP)	3,954	2,694	146.8	3,911
Pelican Bay State Prison (PBSP)	2,588	2,380	108.7	3,250
Pleasant Valley State Prison (PVSP)	3,357	2,308	145.5	3,333
RJ Donovan Correctional Facility (RJD)	3,773	2,992	126.1	3,942
California State Prison, Sacramento (SAC)	2,101	1,828	114.9	2,449
California Substance Abuse Treatment Facility (SATF)	5,598	3,424	163.5	5,111
Sierra Conservation Center (SCC)	4,106	3,936	104.3	4,570
California State Prison, Solano (SOL)	4,373	2,610	167.5	3,882
San Quentin State Prison (SQ)	3,973	3,082	128.9	3,984
Salinas Valley State Prison (SVSP)	3,337	2,452	136.1	3,409
Valley State Prison (VSP)	2,962	1,980	149.6	2,954
Wasco State Prison (WSP)	4,992	2,984	167.3	4,351
Male Total	112,839	85,958	131.3	116,931
Female Institutions				
Central California Women's Facility (CCWF)	2,894	2,004	144.4	2,964
California Institution for Women (CIW)	1,759	1,398	125.8	1,877
Folsom State Prison (FOL)	450	403	111.7	530
San Quentin State Prison (SQ)	1	3,082	0.0	3,273
Female Total	5,104	3,805	134.1	8,644
Institution Total	117,943	89,763	131.4	125,575

Monthly Report of Population
As of Midnight May 31, 2019

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Male Institutions				
Avenal State Prison (ASP)	3,775	2,920	129.3	4,370
Calipatria State Prison (CAL)	3,506	2,308	151.9	3,333
California Correctional Center (CCC)	4,050	3,883	104.3	4,762
California Correctional Institution (CCI)	3,858	2,783	138.6	4,120
Centinela State Prison (CEN)	3,531	2,308	153.0	3,333
California Health Care Facility - Stockton (CHCF)	2,675	2,951	90.6	2,951
California Institution for Men (CIM)	3,663	2,976	123.1	4,186
California Men's Colony (CMC)	3,463	3,838	90.2	4,398
California Medical Facility (CMF)	2,561	2,361	108.5	2,847
California State Prison, Corcoran (COR)	3,192	3,116	102.4	4,270
California Rehabilitation Center (CRC)	2,890	2,491	116.0	3,210
Correctional Training Facility (CTF)	5,571	3,312	168.2	4,887
Chuckawalla Valley State Prison (CVSP)	2,746	1,738	158.0	2,478
Deuel Vocational Institution (DVI)	2,343	1,681	139.4	2,353
Folsom State Prison (FOL)	3,006	2,066	145.5	2,895
High Desert State Prison (HDSP)	3,128	2,324	134.6	3,361
Ironwood State Prison (ISP)	2,626	2,200	119.4	3,200
Kern Valley State Prison (KVSP)	3,644	2,448	148.9	3,522
California State Prison, Los Angeles County (LAC)	3,193	2,300	138.8	3,300
Mule Creek State Prison (MCSP)	4,054	3,284	123.4	4,009
North Kern State Prison (NKSP)	4,033	2,694	149.7	3,911
Pelican Bay State Prison (PBSP)	2,600	2,380	109.2	3,250
Pleasant Valley State Prison (PVSP)	3,460	2,308	149.9	3,333
RJ Donovan Correctional Facility (RJD)	3,876	2,992	129.5	3,942
California State Prison, Sacramento (SAC)	2,100	1,828	114.9	2,449
California Substance Abuse Treatment Facility (SATF)	5,498	3,424	160.6	5,111
Sierra Conservation Center (SCC)	3,851	3,936	97.8	4,570
California State Prison, Solano (SOL)	4,478	2,610	171.6	3,882
San Quentin State Prison (SQ)	4,088	3,082	132.6	3,984
Salinas Valley State Prison (SVSP)	3,189	2,452	130.1	3,409
Valley State Prison (VSP)	2,907	1,980	146.8	2,954
Wasco State Prison (WSP)	5,011	2,984	167.9	4,351
Male Total	112,566	85,958	131.0	116,931
Female Institutions				
Central California Women's Facility (CCWF)	2,784	2,004	138.9	2,964
California Institution for Women (CIW)	1,782	1,398	127.5	1,877
Folsom State Prison (FOL)	454	403	112.7	530
San Quentin State Prison (SQ)	1	3,082	0.0	3,273
Female Total	5,021	3,805	132.0	8,644
Institution Total	117,587	89,763	131.0	125,575

Monthly Report of Population
As of Midnight June 30, 2019

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Male Institutions				
Avenal State Prison (ASP)	3,744	2,920	128.2	4,370
Calipatria State Prison (CAL)	3,493	2,308	151.3	3,333
California Correctional Center (CCC)	3,853	3,883	99.2	4,762
California Correctional Institution (CCI)	3,739	2,783	134.4	4,120
Centinela State Prison (CEN)	3,515	2,308	152.3	3,333
California Health Care Facility - Stockton (CHCF)	2,704	2,951	91.6	2,951
California Institution for Men (CIM)	3,665	2,976	123.2	4,186
California Men's Colony (CMC)	3,540	3,838	92.2	4,398
California Medical Facility (CMF)	2,539	2,361	107.5	2,847
California State Prison, Corcoran (COR)	3,179	3,116	102.0	4,270
California Rehabilitation Center (CRC)	2,933	2,491	117.7	3,210
Correctional Training Facility (CTF)	5,492	3,312	165.8	4,887
Chuckawalla Valley State Prison (CVSP)	2,741	1,738	157.7	2,478
Deuel Vocational Institution (DVI)	2,249	1,681	133.8	2,353
Folsom State Prison (FOL)	2,995	2,066	145.0	2,895
High Desert State Prison (HDSP)	3,127	2,324	134.6	3,361
Ironwood State Prison (ISP)	2,693	2,200	122.4	3,200
Kern Valley State Prison (KVSP)	3,604	2,448	147.2	3,522
California State Prison, Los Angeles County (LAC)	3,207	2,300	139.4	3,300
Mule Creek State Prison (MCSP)	4,035	3,284	122.9	4,009
North Kern State Prison (NKSP)	4,246	2,694	157.6	3,911
Pelican Bay State Prison (PBSP)	2,663	2,380	111.9	3,250
Pleasant Valley State Prison (PVSP)	3,416	2,308	148.0	3,333
RJ Donovan Correctional Facility (RJD)	3,980	2,992	133.0	3,942
California State Prison, Sacramento (SAC)	2,112	1,828	115.5	2,449
California Substance Abuse Treatment Facility (SATF)	5,454	3,424	159.3	5,111
Sierra Conservation Center (SCC)	3,918	3,936	99.5	4,570
California State Prison, Solano (SOL)	4,533	2,610	173.7	3,882
San Quentin State Prison (SQ)	4,243	3,082	137.7	3,984
Salinas Valley State Prison (SVSP)	3,148	2,452	128.4	3,409
Valley State Prison (VSP)	2,885	1,980	145.7	2,954
Wasco State Prison (WSP)	5,023	2,984	168.3	4,351
Male Total	112,668	85,958	131.1	116,931
Female Institutions				
Central California Women's Facility (CCWF)	2,781	2,004	138.8	2,964
California Institution for Women (CIW)	1,798	1,398	128.6	1,877
Folsom State Prison (FOL)	434	403	107.7	530
San Quentin State Prison (SQ)	1	3,082	0.0	3,273
Female Total	5,014	3,805	131.8	8,644
Institution Total	117,682	89,763	131.1	125,575

Monthly Report of Population
As of Midnight July 31, 2019

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Male Institutions				
Avenal State Prison (ASP)	3,751	2,920	128.5	4,370
Calipatria State Prison (CAL)	3,474	2,308	150.5	3,333
California Correctional Center (CCC)	3,964	3,883	102.1	4,762
California Correctional Institution (CCI)	3,678	2,783	132.2	4,120
Centinela State Prison (CEN)	3,495	2,308	151.4	3,333
California Health Care Facility - Stockton (CHCF)	2,784	2,951	94.3	2,951
California Institution for Men (CIM)	3,644	2,976	122.4	4,186
California Men's Colony (CMC)	3,682	3,838	95.9	4,398
California Medical Facility (CMF)	2,556	2,361	108.3	2,847
California State Prison, Corcoran (COR)	3,161	3,116	101.4	4,233
California Rehabilitation Center (CRC)	2,958	2,491	118.7	3,210
Correctional Training Facility (CTF)	5,414	3,312	163.5	4,887
Chuckawalla Valley State Prison (CVSP)	2,709	1,738	155.9	2,478
Deuel Vocational Institution (DVI)	2,169	1,681	129.0	2,353
Folsom State Prison (FOL)	2,994	2,066	144.9	2,895
High Desert State Prison (HDSP)	3,130	2,324	134.7	3,361
Ironwood State Prison (ISP)	2,681	2,200	121.9	3,200
Kern Valley State Prison (KVSP)	3,568	2,448	145.8	3,522
California State Prison, Los Angeles County (LAC)	3,175	2,300	138.0	3,300
Mule Creek State Prison (MCSP)	3,970	3,284	120.9	4,009
North Kern State Prison (NKSP)	4,195	2,694	155.7	3,911
Pelican Bay State Prison (PBSP)	2,625	2,380	110.3	3,250
Pleasant Valley State Prison (PVSP)	3,332	2,308	144.4	3,333
RJ Donovan Correctional Facility (RJD)	4,099	2,992	137.0	3,942
California State Prison, Sacramento (SAC)	2,126	1,828	116.3	2,449
California Substance Abuse Treatment Facility (SATF)	5,516	3,424	161.1	5,111
Sierra Conservation Center (SCC)	4,066	3,936	103.3	4,570
California State Prison, Solano (SOL)	4,575	2,610	175.3	3,882
San Quentin State Prison (SQ)	4,329	3,082	140.5	3,984
Salinas Valley State Prison (SVSP)	3,143	2,452	128.2	3,409
Valley State Prison (VSP)	2,845	1,980	143.7	2,954
Wasco State Prison (WSP)	4,906	2,984	164.4	4,351
Male Total	112,714	85,958	131.1	116,894
Female Institutions				
Central California Women's Facility (CCWF)	2,826	2,004	141.0	2,964
California Institution for Women (CIW)	1,752	1,398	125.3	1,877
Folsom State Prison (FOL)	454	403	112.7	530
San Quentin State Prison (SQ)	1	3,082	0.0	3,273
Female Total	5,033	3,805	132.3	8,644
Institution Total	117,747	89,763	131.2	125,538

Monthly Report of Population
As of Midnight August 31, 2019

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Male Institutions				
Avenal State Prison (ASP)	3,778	2,920	129.4	4,370
Calipatria State Prison (CAL)	3,449	2,308	149.4	3,333
California Correctional Center (CCC)	3,648	3,883	93.9	4,762
California Correctional Institution (CCI)	3,709	2,783	133.3	4,120
Centinela State Prison (CEN)	3,530	2,308	152.9	3,333
California Health Care Facility - Stockton (CHCF)	2,780	2,951	94.2	2,951
California Institution for Men (CIM)	3,633	2,976	122.1	4,186
California Men's Colony (CMC)	3,833	3,838	99.9	4,308
California Medical Facility (CMF)	2,571	2,361	108.9	2,847
California State Prison, Corcoran (COR)	3,182	3,116	102.1	4,233
California Rehabilitation Center (CRC)	3,054	2,491	122.6	3,210
Correctional Training Facility (CTF)	5,329	3,312	160.9	4,887
Chuckawalla Valley State Prison (CVSP)	2,692	1,738	154.9	2,478
Deuel Vocational Institution (DVI)	2,336	1,681	139.0	2,353
Folsom State Prison (FOL)	2,953	2,066	142.9	2,895
High Desert State Prison (HDSP)	3,321	2,324	142.9	3,361
Ironwood State Prison (ISP)	2,740	2,200	124.5	3,200
Kern Valley State Prison (KVSP)	3,584	2,448	146.4	3,522
California State Prison, Los Angeles County (LAC)	3,159	2,300	137.3	3,300
Mule Creek State Prison (MCSP)	4,008	3,284	122.0	4,009
North Kern State Prison (NKSP)	4,058	2,694	150.6	3,911
Pelican Bay State Prison (PBSP)	2,616	2,380	109.9	3,250
Pleasant Valley State Prison (PVSP)	3,233	2,308	140.1	3,333
RJ Donovan Correctional Facility (RJD)	4,071	2,992	136.1	3,942
California State Prison, Sacramento (SAC)	2,135	1,828	116.8	2,449
California Substance Abuse Treatment Facility (SATF)	5,540	3,424	161.8	5,111
Sierra Conservation Center (SCC)	4,145	3,936	105.3	4,570
California State Prison, Solano (SOL)	4,559	2,610	174.7	3,882
San Quentin State Prison (SQ)	4,193	3,082	136.0	3,984
Salinas Valley State Prison (SVSP)	3,051	2,452	124.4	3,409
Valley State Prison (VSP)	2,855	1,980	144.2	2,954
Wasco State Prison (WSP)	4,979	2,984	166.9	4,351
Male Total	112,724	85,958	131.1	116,804
Female Institutions				
Central California Women's Facility (CCWF)	2,752	2,004	137.3	2,964
California Institution for Women (CIW)	1,701	1,398	121.7	1,877
Folsom State Prison (FOL)	488	403	121.1	530
San Quentin State Prison (SQ)	1	3,082	0.0	3,273
Female Total	4,942	3,805	129.9	8,644
Institution Total	117,666	89,763	131.1	125,448

Monthly Report of Population
As of Midnight September 30, 2019

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Male Institutions				
Avenal State Prison (ASP)	3,885	2,920	133.0	4,370
Calipatria State Prison (CAL)	3,442	2,308	149.1	3,333
California Correctional Center (CCC)	3,640	3,883	93.7	4,762
California Correctional Institution (CCI)	3,779	2,783	135.8	4,120
Centinela State Prison (CEN)	3,544	2,308	153.6	3,333
California Health Care Facility - Stockton (CHCF)	2,819	2,951	95.5	2,951
California Institution for Men (CIM)	3,605	2,976	121.1	4,186
California Men's Colony (CMC)	3,836	3,838	99.9	4,308
California Medical Facility (CMF)	2,626	2,361	111.2	2,847
California State Prison, Corcoran (COR)	3,212	3,116	103.1	4,233
California Rehabilitation Center (CRC)	3,284	2,491	131.8	3,210
Correctional Training Facility (CTF)	5,273	3,312	159.2	4,887
Chuckawalla Valley State Prison (CVSP)	2,716	1,738	156.3	2,478
Deuel Vocational Institution (DVI)	2,511	1,681	149.4	2,353
Folsom State Prison (FOL)	2,875	2,066	139.2	2,895
High Desert State Prison (HDSP)	3,190	2,324	137.3	3,361
Ironwood State Prison (ISP)	2,738	2,200	124.5	3,200
Kern Valley State Prison (KVSP)	3,554	2,448	145.2	3,522
California State Prison, Los Angeles County (LAC)	3,118	2,300	135.6	3,300
Mule Creek State Prison (MCSP)	4,009	3,284	122.1	4,009
North Kern State Prison (NKSP)	4,317	2,694	160.2	3,911
Pelican Bay State Prison (PBSP)	2,616	2,380	109.9	3,265
Pleasant Valley State Prison (PVSP)	3,143	2,308	136.2	3,333
RJ Donovan Correctional Facility (RJD)	4,015	2,992	134.2	3,942
California State Prison, Sacramento (SAC)	2,131	1,828	116.6	2,449
California Substance Abuse Treatment Facility (SATF)	5,477	3,424	160.0	5,111
Sierra Conservation Center (SCC)	4,077	3,936	103.6	4,570
California State Prison, Solano (SOL)	4,538	2,610	173.9	3,882
San Quentin State Prison (SQ)	4,234	3,082	137.4	3,984
Salinas Valley State Prison (SVSP)	3,015	2,452	123.0	3,409
Valley State Prison (VSP)	2,856	1,980	144.2	2,954
Wasco State Prison (WSP)	4,825	2,984	161.7	4,351
Male Total	112,900	85,958	131.3	116,819
Female Institutions				
Central California Women's Facility (CCWF)	2,775	2,004	138.5	2,964
California Institution for Women (CIW)	1,684	1,398	120.5	1,877
Folsom State Prison (FOL)	476	403	118.1	530
San Quentin State Prison (SQ)	1	3,082	0.0	3,273
Female Total	4,936	3,805	129.7	8,644
Institution Total	117,836	89,763	131.3	125,463

Monthly Report of Population
As of Midnight October 31, 2019

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Male Institutions				
Avenal State Prison (ASP)	3,999	2,920	137.0	4,370
Calipatria State Prison (CAL)	3,384	2,308	146.6	3,333
California Correctional Center (CCC)	3,757	3,883	96.8	4,762
California Correctional Institution (CCI)	3,749	2,783	134.7	4,120
Centinela State Prison (CEN)	3,566	2,308	154.5	3,333
California Health Care Facility - Stockton (CHCF)	2,818	2,951	95.5	2,951
California Institution for Men (CIM)	3,680	2,976	123.7	4,186
California Men's Colony (CMC)	3,811	3,838	99.3	4,308
California Medical Facility (CMF)	2,587	2,361	109.6	2,847
California State Prison, Corcoran (COR)	3,225	3,116	103.5	4,233
California Rehabilitation Center (CRC)	3,481	2,491	139.7	3,210
Correctional Training Facility (CTF)	5,215	3,312	157.5	4,887
Chuckawalla Valley State Prison (CVSP)	2,745	1,738	157.9	2,478
Deuel Vocational Institution (DVI)	2,268	1,681	134.9	2,353
Folsom State Prison (FOL)	2,890	2,066	139.9	2,895
High Desert State Prison (HDSP)	3,201	2,324	137.7	3,361
Ironwood State Prison (ISP)	2,839	2,200	129.0	3,200
Kern Valley State Prison (KVSP)	3,574	2,448	146.0	3,522
California State Prison, Los Angeles County (LAC)	3,124	2,300	135.8	3,300
Mule Creek State Prison (MCSP)	4,051	3,284	123.4	4,009
North Kern State Prison (NKSP)	4,061	2,694	150.7	3,911
Pelican Bay State Prison (PBSP)	2,644	2,380	111.1	3,265
Pleasant Valley State Prison (PVSP)	3,150	2,308	136.5	3,333
RJ Donovan Correctional Facility (RJD)	3,946	2,992	131.9	3,942
California State Prison, Sacramento (SAC)	2,152	1,828	117.7	2,449
California Substance Abuse Treatment Facility (SATF)	5,380	3,424	157.1	5,111
Sierra Conservation Center (SCC)	4,247	3,936	107.9	4,570
California State Prison, Solano (SOL)	4,574	2,610	175.2	3,882
San Quentin State Prison (SQ)	4,182	3,082	135.7	3,984
Salinas Valley State Prison (SVSP)	2,931	2,452	119.5	3,409
Valley State Prison (VSP)	2,867	1,980	144.8	2,954
Wasco State Prison (WSP)	4,818	2,984	161.5	4,351
Male Total	112,916	85,958	131.4	116,819
Female Institutions				
Central California Women's Facility (CCWF)	2,832	2,004	141.3	2,964
California Institution for Women (CIW)	1,690	1,398	120.9	1,877
Folsom State Prison (FOL)	450	403	111.7	530
San Quentin State Prison (SQ)	1	3,082	0.0	3,273
Female Total	4,973	3,805	130.7	8,644
Institution Total	117,889	89,763	131.3	125,463

Monthly Report of Population
As of Midnight November 30, 2019

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Male Institutions				
Avenal State Prison (ASP)	3,990	2,920	136.6	4,370
Calipatria State Prison (CAL)	3,292	2,308	142.6	3,333
California Correctional Center (CCC)	3,831	3,883	98.7	4,762
California Correctional Institution (CCI)	3,720	2,783	133.7	4,120
Centinela State Prison (CEN)	3,606	2,308	156.2	3,333
California Health Care Facility - Stockton (CHCF)	2,840	2,951	96.2	2,951
California Institution for Men (CIM)	3,656	2,976	122.8	4,186
California Men's Colony (CMC)	3,813	3,838	99.3	4,308
California Medical Facility (CMF)	2,548	2,361	107.9	2,847
California State Prison, Corcoran (COR)	3,147	3,116	101.0	4,233
California Rehabilitation Center (CRC)	3,540	2,491	142.1	3,210
Correctional Training Facility (CTF)	5,194	3,312	156.8	4,887
Chuckawalla Valley State Prison (CVSP)	2,763	1,738	159.0	2,478
Deuel Vocational Institution (DVI)	2,209	1,681	131.4	2,353
Folsom State Prison (FOL)	2,838	2,066	137.4	2,897
High Desert State Prison (HDSP)	3,164	2,324	136.1	3,361
Ironwood State Prison (ISP)	2,844	2,200	129.3	3,200
Kern Valley State Prison (KVSP)	3,619	2,448	147.8	3,522
California State Prison, Los Angeles County (LAC)	3,138	2,300	136.4	3,300
Mule Creek State Prison (MCSP)	4,027	3,284	122.6	4,009
North Kern State Prison (NKSP)	4,002	2,694	148.6	3,911
Pelican Bay State Prison (PBSP)	2,600	2,380	109.2	3,265
Pleasant Valley State Prison (PVSP)	3,159	2,308	136.9	3,333
RJ Donovan Correctional Facility (RJD)	3,925	2,992	131.2	3,942
California State Prison, Sacramento (SAC)	2,214	1,828	121.1	2,449
California Substance Abuse Treatment Facility (SATF)	5,362	3,424	156.6	5,111
Sierra Conservation Center (SCC)	4,334	3,836	113.0	4,570
California State Prison, Solano (SOL)	4,457	2,610	170.8	3,882
San Quentin State Prison (SQ)	4,216	3,082	136.8	3,984
Salinas Valley State Prison (SVSP)	2,963	2,452	120.8	3,409
Valley State Prison (VSP)	2,904	1,980	146.7	2,954
Wasco State Prison (WSP)	4,780	2,984	160.2	4,351
Male Total	112,695	85,858	131.3	116,821
Female Institutions				
Central California Women's Facility (CCWF)	2,801	2,004	139.8	2,964
California Institution for Women (CIW)	1,672	1,398	119.6	1,877
Folsom State Prison (FOL)	467	403	115.9	530
San Quentin State Prison (SQ)	1	3,082	0.0	3,273
Female Total	4,941	3,805	129.9	8,644
Institution Total	117,636	89,663	131.2	125,465

Monthly Report of Population
As of Midnight December 31, 2019

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Male Institutions				
Avenal State Prison (ASP)	4,036	2,920	138.2	4,370
Calipatria State Prison (CAL)	3,189	2,308	138.2	3,333
California Correctional Center (CCC)	3,803	3,883	97.9	4,762
California Correctional Institution (CCI)	3,694	2,783	132.7	4,120
Centinela State Prison (CEN)	3,550	2,308	153.8	3,333
California Health Care Facility - Stockton (CHCF)	2,831	2,951	95.9	2,951
California Institution for Men (CIM)	3,646	2,976	122.5	4,186
California Men's Colony (CMC)	3,755	3,838	97.8	4,308
California Medical Facility (CMF)	2,554	2,361	108.2	2,847
California State Prison, Corcoran (COR)	3,141	3,116	100.8	4,233
California Rehabilitation Center (CRC)	3,573	2,491	143.4	3,210
Correctional Training Facility (CTF)	5,095	3,312	153.8	4,887
Chuckawalla Valley State Prison (CVSP)	2,756	1,738	158.6	2,478
Deuel Vocational Institution (DVI)	2,142	1,681	127.4	2,353
Folsom State Prison (FOL)	2,839	2,066	137.4	2,897
High Desert State Prison (HDSP)	3,110	2,324	133.8	3,361
Ironwood State Prison (ISP)	2,840	2,200	129.1	3,200
Kern Valley State Prison (KVSP)	3,589	2,448	146.6	3,522
California State Prison, Los Angeles County (LAC)	3,193	2,300	138.8	3,300
Mule Creek State Prison (MCSP)	3,989	3,284	121.5	4,009
North Kern State Prison (NKSP)	4,344	2,694	161.2	3,911
Pelican Bay State Prison (PBSP)	2,598	2,380	109.2	3,265
Pleasant Valley State Prison (PVSP)	3,159	2,308	136.9	3,333
RJ Donovan Correctional Facility (RJD)	3,874	2,992	129.5	3,942
California State Prison, Sacramento (SAC)	2,270	1,828	124.2	2,449
California Substance Abuse Treatment Facility (SATF)	5,303	3,424	154.9	5,111
Sierra Conservation Center (SCC)	4,381	3,836	114.2	4,570
California State Prison, Solano (SOL)	4,356	2,610	166.9	3,882
San Quentin State Prison (SQ)	4,161	3,082	135.0	3,984
Salinas Valley State Prison (SVSP)	2,946	2,452	120.1	3,409
Valley State Prison (VSP)	2,951	1,980	149.0	2,954
Wasco State Prison (WSP)	4,828	2,984	161.8	4,351
Male Total	112,496	85,858	131.0	116,821
Female Institutions				
Central California Women's Facility (CCWF)	2,779	2,004	138.7	2,964
California Institution for Women (CIW)	1,681	1,398	120.2	1,877
Folsom State Prison (FOL)	436	403	108.2	530
San Quentin State Prison (SQ)	1	3,082	0.0	3,273
Female Total	4,897	3,805	128.7	8,644
Institution Total	117,393	89,663	130.9	125,465

Monthly Report of Population
As of Midnight January 31, 2020

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Male Institutions				
Avenal State Prison (ASP)	4,205	2,920	144.0	4,387
Calipatria State Prison (CAL)	3,113	2,308	134.9	3,451
California Correctional Center (CCC)	4,054	3,883	104.4	4,752
California Correctional Institution (CCI)	3,700	2,783	133.0	4,085
Centinela State Prison (CEN)	3,476	2,308	150.6	3,446
California Health Care Facility - Stockton (CHCF)	2,848	2,951	96.5	2,951
California Institution for Men (CIM)	3,627	2,976	121.9	4,226
California Men's Colony (CMC)	3,764	3,838	98.1	4,407
California Medical Facility (CMF)	2,507	2,361	106.2	2,861
California State Prison, Corcoran (COR)	3,042	3,116	97.6	4,476
California Rehabilitation Center (CRC)	3,812	2,491	153.0	3,159
Correctional Training Facility (CTF)	5,064	3,312	152.9	4,887
Chuckawalla Valley State Prison (CVSP)	2,771	1,738	159.4	2,578
Deuel Vocational Institution (DVI)	2,053	1,681	122.1	2,413
Folsom State Prison (FOL)	2,872	2,066	139.0	2,986
High Desert State Prison (HDSP)	3,161	2,324	136.0	3,461
Ironwood State Prison (ISP)	2,898	2,200	131.7	3,300
Kern Valley State Prison (KVSP)	3,553	2,448	145.1	3,622
California State Prison, Los Angeles County (LAC)	3,219	2,300	140.0	3,400
Mule Creek State Prison (MCSP)	4,007	3,284	122.0	4,105
North Kern State Prison (NKSP)	4,356	2,694	161.7	4,011
Pelican Bay State Prison (PBSP)	2,648	2,380	111.3	3,361
Pleasant Valley State Prison (PVSP)	3,131	2,308	135.7	3,433
RJ Donovan Correctional Facility (RJD)	3,845	2,992	128.5	4,038
California State Prison, Sacramento (SAC)	2,354	1,828	128.8	2,545
California Substance Abuse Treatment Facility (SATF)	5,296	3,424	154.7	5,111
Sierra Conservation Center (SCC)	4,396	3,836	114.6	4,570
California State Prison, Solano (SOL)	4,308	2,610	165.1	3,882
San Quentin State Prison (SQ)	4,033	3,082	130.9	3,984
Salinas Valley State Prison (SVSP)	2,921	2,452	119.1	3,509
Valley State Prison (VSP)	3,005	1,980	151.8	2,954
Wasco State Prison (WSP)	4,564	2,984	152.9	4,447
Male Total	112,603	85,858	131.2	118,798
Female Institutions				
Central California Women's Facility (CCWF)	2,816	2,004	140.5	2,988
California Institution for Women (CIW)	1,620	1,398	115.9	1,877
Folsom State Prison (FOL)	415	403	103.0	530
Female Total	4,851	3,805	127.5	5,395
Institution Total	117,454	89,663	131.0	124,193

Monthly Report of Population
As of Midnight February 29, 2020

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Male Institutions				
Avenal State Prison (ASP)	4,223	2,920	144.6	4,387
Calipatria State Prison (CAL)	2,977	2,308	129.0	3,451
California Correctional Center (CCC)	4,177	3,883	107.6	4,752
California Correctional Institution (CCI)	3,659	2,783	131.5	4,085
Centinela State Prison (CEN)	3,405	2,308	147.5	3,446
California Health Care Facility - Stockton (CHCF)	2,822	2,951	95.6	2,951
California Institution for Men (CIM)	3,552	2,976	119.4	4,226
California Men's Colony (CMC)	3,782	3,838	98.5	4,407
California Medical Facility (CMF)	2,485	2,361	105.3	2,861
California State Prison, Corcoran (COR)	2,915	3,116	93.5	4,476
California Rehabilitation Center (CRC)	3,937	2,491	158.0	3,084
Correctional Training Facility (CTF)	5,073	3,312	153.2	4,887
Chuckawalla Valley State Prison (CVSP)	2,904	1,738	167.1	2,578
Deuel Vocational Institution (DVI)	1,994	1,681	118.6	2,190
Folsom State Prison (FOL)	2,871	2,066	139.0	2,986
High Desert State Prison (HDSP)	3,255	2,324	140.1	3,461
Ironwood State Prison (ISP)	2,925	2,200	133.0	3,300
Kern Valley State Prison (KVSP)	3,512	2,448	143.5	3,622
California State Prison, Los Angeles County (LAC)	3,200	2,300	139.1	3,400
Mule Creek State Prison (MCSP)	4,003	3,284	121.9	4,105
North Kern State Prison (NKSP)	4,249	2,694	157.7	4,011
Pelican Bay State Prison (PBSP)	2,628	2,380	110.4	3,361
Pleasant Valley State Prison (PVSP)	3,203	2,308	138.8	3,433
RJ Donovan Correctional Facility (RJD)	3,893	2,992	130.1	4,038
California State Prison, Sacramento (SAC)	2,425	1,828	132.7	2,545
California Substance Abuse Treatment Facility (SATF)	5,297	3,424	154.7	5,111
Sierra Conservation Center (SCC)	4,326	3,836	112.8	4,570
California State Prison, Solano (SOL)	4,243	2,610	162.6	3,882
San Quentin State Prison (SQ)	4,051	3,082	131.4	3,984
Salinas Valley State Prison (SVSP)	2,957	2,452	120.6	3,509
Valley State Prison (VSP)	2,988	1,980	150.9	2,954
Wasco State Prison (WSP)	4,611	2,984	154.5	4,447
Male Total	112,542	85,858	131.1	118,500
Female Institutions				
Central California Women's Facility (CCWF)	2,760	2,004	137.7	2,988
California Institution for Women (CIW)	1,635	1,398	117.0	1,877
Folsom State Prison (FOL)	407	403	101.0	530
Female Total	4,802	3,805	126.2	5,395
Institution Total	117,344	89,663	130.9	123,895

Monthly Report of Population
As of Midnight March 31, 2020

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Male Institutions				
Avenal State Prison (ASP)	4,294	2,920	147.1	4,387
Calipatria State Prison (CAL)	3,055	2,308	132.4	3,451
California Correctional Center (CCC)	4,309	3,883	111.0	4,752
California Correctional Institution (CCI)	3,666	2,783	131.7	4,085
Centinela State Prison (CEN)	3,385	2,308	146.7	3,446
California Health Care Facility - Stockton (CHCF)	2,834	2,951	96.0	2,951
California Institution for Men (CIM)	3,515	2,976	118.1	4,226
California Men's Colony (CMC)	3,823	3,838	99.6	4,407
California Medical Facility (CMF)	2,475	2,361	104.8	2,861
California State Prison, Corcoran (COR)	2,819	3,116	90.5	4,476
California Rehabilitation Center (CRC)	4,015	2,491	161.2	3,084
Correctional Training Facility (CTF)	5,096	3,312	153.9	4,887
Chuckawalla Valley State Prison (CVSP)	2,948	1,738	169.6	2,578
Deuel Vocational Institution (DVI)	1,910	1,681	113.6	2,190
Folsom State Prison (FOL)	2,818	2,066	136.4	2,986
High Desert State Prison (HDSP)	3,352	2,324	144.2	3,461
Ironwood State Prison (ISP)	2,819	2,200	128.1	3,300
Kern Valley State Prison (KVSP)	3,602	2,448	147.1	3,622
California State Prison, Los Angeles County (LAC)	3,220	2,300	140.0	3,400
Mule Creek State Prison (MCSP)	4,003	3,284	121.9	4,105
North Kern State Prison (NKSP)	3,866	2,694	143.5	4,011
Pelican Bay State Prison (PBSP)	2,677	2,380	112.5	3,361
Pleasant Valley State Prison (PVSP)	3,169	2,308	137.3	3,433
RJ Donovan Correctional Facility (RJD)	3,873	2,992	129.4	4,038
California State Prison, Sacramento (SAC)	2,417	1,828	132.2	2,545
California Substance Abuse Treatment Facility (SATF)	5,278	3,424	154.1	5,111
Sierra Conservation Center (SCC)	4,334	3,836	113.0	4,570
California State Prison, Solano (SOL)	4,179	2,610	160.1	3,882
San Quentin State Prison (SQ)	3,988	3,082	129.4	3,984
Salinas Valley State Prison (SVSP)	2,930	2,452	119.5	3,509
Valley State Prison (VSP)	3,024	1,980	152.7	2,954
Wasco State Prison (WSP)	4,359	2,984	146.1	4,447
Male Total	112,052	85,858	130.5	118,500
Female Institutions				
Central California Women's Facility (CCWF)	2,795	2,004	139.5	2,988
California Institution for Women (CIW)	1,650	1,398	118.0	1,877
Folsom State Prison (FOL)	389	403	96.5	530
Female Total	4,834	3,805	127.0	5,395
Institution Total	116,886	89,663	130.4	123,895

Monthly Report of Population
As of Midnight April 30, 2020

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Male Institutions				
Avenal State Prison (ASP)	4,197	2,920	143.7	4,387
Calipatria State Prison (CAL)	2,935	2,308	127.2	3,451
California Correctional Center (CCC)	4,064	3,883	104.7	4,752
California Correctional Institution (CCI)	3,516	2,783	126.3	4,085
Centinela State Prison (CEN)	3,284	2,308	142.3	3,446
California Health Care Facility - Stockton (CHCF)	2,751	2,951	93.2	2,951
California Institution for Men (CIM)	3,357	2,976	112.8	4,350
California Men's Colony (CMC)	3,727	3,838	97.1	4,407
California Medical Facility (CMF)	2,396	2,361	101.5	2,861
California State Prison, Corcoran (COR)	3,719	3,116	119.4	4,476
California Rehabilitation Center (CRC)	3,341	2,491	134.1	3,084
Correctional Training Facility (CTF)	4,801	3,312	145.0	4,941
Chuckawalla Valley State Prison (CVSP)	2,324	1,738	133.7	2,578
Deuel Vocational Institution (DVI)	2,047	1,681	121.8	2,413
Folsom State Prison (FOL)	2,694	2,066	130.4	2,986
High Desert State Prison (HDSP)	3,286	2,324	141.4	3,461
Ironwood State Prison (ISP)	3,203	2,200	145.6	3,300
Kern Valley State Prison (KVSP)	3,534	2,448	144.4	3,622
California State Prison, Los Angeles County (LAC)	3,158	2,300	137.3	3,400
Mule Creek State Prison (MCSP)	3,948	3,284	120.2	4,207
North Kern State Prison (NKSP)	3,630	2,694	134.7	4,011
Pelican Bay State Prison (PBSP)	2,608	2,380	109.6	3,361
Pleasant Valley State Prison (PVSP)	3,062	2,308	132.7	3,535
RJ Donovan Correctional Facility (RJD)	3,806	2,992	127.2	4,038
California State Prison, Sacramento (SAC)	2,363	1,828	129.3	2,545
California Substance Abuse Treatment Facility (SATF)	4,844	3,424	141.5	5,111
Sierra Conservation Center (SCC)	4,012	3,836	104.6	4,570
California State Prison, Solano (SOL)	3,752	2,610	143.8	4,010
San Quentin State Prison (SQ)	3,776	3,082	122.5	3,984
Salinas Valley State Prison (SVSP)	2,877	2,452	117.3	3,509
Valley State Prison (VSP)	2,971	1,980	150.1	2,954
Wasco State Prison (WSP)	4,121	2,984	138.1	4,447
Male Total	108,104	85,858	125.9	119,233
Female Institutions				
Central California Women's Facility (CCWF)	2,640	2,004	131.7	2,988
California Institution for Women (CIW)	1,553	1,398	111.1	1,877
Folsom State Prison (FOL)	276	403	68.5	530
Female Total	4,469	3,805	117.5	5,395
Institution Total	112,573	89,663	125.6	124,628

Monthly Report of Population
As of Midnight May 31, 2020

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Male Institutions				
Avenal State Prison (ASP)	4,158	2,920	142.4	4,499
Calipatria State Prison (CAL)	3,084	2,308	133.6	3,451
California Correctional Center (CCC)	4,006	3,883	103.2	4,752
California Correctional Institution (CCI)	3,655	2,783	131.3	4,085
Centinela State Prison (CEN)	3,343	2,308	144.8	3,446
California Health Care Facility - Stockton (CHCF)	2,724	2,951	92.3	2,951
California Institution for Men (CIM)	3,098	2,976	104.1	4,350
California Men's Colony (CMC)	3,711	3,838	96.7	4,407
California Medical Facility (CMF)	2,378	2,361	100.7	2,861
California State Prison, Corcoran (COR)	3,741	3,116	120.1	4,476
California Rehabilitation Center (CRC)	3,254	2,491	130.6	3,084
Correctional Training Facility (CTF)	4,817	3,312	145.4	4,941
Chuckawalla Valley State Prison (CVSP)	2,261	1,738	130.1	2,578
Deuel Vocational Institution (DVI)	1,898	1,681	112.9	2,413
Folsom State Prison (FOL)	2,819	2,066	136.4	2,986
High Desert State Prison (HDSP)	3,453	2,324	148.6	3,461
Ironwood State Prison (ISP)	3,251	2,200	147.8	3,300
Kern Valley State Prison (KVSP)	3,645	2,448	148.9	3,622
California State Prison, Los Angeles County (LAC)	3,149	2,300	136.9	3,400
Mule Creek State Prison (MCSP)	3,990	3,284	121.5	4,207
North Kern State Prison (NKSP)	2,892	2,694	107.3	4,011
Pelican Bay State Prison (PBSP)	2,578	2,380	108.3	3,361
Pleasant Valley State Prison (PVSP)	3,233	2,308	140.1	3,535
RJ Donovan Correctional Facility (RJD)	3,792	2,992	126.7	4,038
California State Prison, Sacramento (SAC)	2,346	1,828	128.3	2,545
California Substance Abuse Treatment Facility (SATF)	4,845	3,424	141.5	5,111
Sierra Conservation Center (SCC)	4,015	3,836	104.7	4,570
California State Prison, Solano (SOL)	3,720	2,610	142.5	4,010
San Quentin State Prison (SQ)	3,626	3,082	117.7	3,984
Salinas Valley State Prison (SVSP)	2,904	2,452	118.4	3,509
Valley State Prison (VSP)	3,025	1,980	152.8	2,954
Wasco State Prison (WSP)	3,273	2,984	109.7	4,447
Male Total	106,684	85,858	124.3	119,345
Female Institutions				
Central California Women's Facility (CCWF)	2,609	2,004	130.2	2,988
California Institution for Women (CIW)	1,518	1,398	108.6	1,877
Folsom State Prison (FOL)	261	403	64.8	530
Female Total	4,388	3,805	115.3	5,395
Institution Total	111,072	89,663	123.9	124,740

Monthly Report of Population
As of Midnight June 30, 2020

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Male Institutions				
Avenal State Prison (ASP)	4,044	2,920	138.5	4,719
Calipatria State Prison (CAL)	3,113	2,308	134.9	3,451
California Correctional Center (CCC)	3,798	3,883	97.8	4,752
California Correctional Institution (CCI)	3,715	2,783	133.5	4,085
Centinela State Prison (CEN)	3,346	2,308	145.0	3,446
California Health Care Facility - Stockton (CHCF)	2,679	2,951	90.8	3,111
California Institution for Men (CIM)	2,956	2,976	99.3	4,350
California Men's Colony (CMC)	3,637	3,838	94.8	4,407
California Medical Facility (CMF)	2,354	2,361	99.7	2,861
California State Prison, Corcoran (COR)	3,572	3,116	114.6	4,476
California Rehabilitation Center (CRC)	3,096	2,491	124.3	3,262
Correctional Training Facility (CTF)	4,860	3,312	146.7	4,941
Chuckawalla Valley State Prison (CVSP)	2,213	1,738	127.3	2,578
Deuel Vocational Institution (DVI)	1,675	1,681	99.6	2,413
Folsom State Prison (FOL)	2,839	2,066	137.4	2,986
High Desert State Prison (HDSP)	3,572	2,324	153.7	3,461
Ironwood State Prison (ISP)	3,205	2,200	145.7	3,300
Kern Valley State Prison (KVSP)	3,700	2,448	151.1	3,622
California State Prison, Los Angeles County (LAC)	3,101	2,300	134.8	3,400
Mule Creek State Prison (MCSP)	3,992	3,284	121.6	4,207
North Kern State Prison (NKSP)	2,229	2,694	82.7	4,011
Pelican Bay State Prison (PBSP)	2,524	2,380	106.1	3,361
Pleasant Valley State Prison (PVSP)	3,200	2,308	138.6	3,535
RJ Donovan Correctional Facility (RJD)	3,804	2,992	127.1	4,038
California State Prison, Sacramento (SAC)	2,363	1,828	129.3	2,545
California Substance Abuse Treatment Facility (SATF)	4,836	3,424	141.2	5,111
Sierra Conservation Center (SCC)	4,028	3,836	105.0	4,570
California State Prison, Solano (SOL)	3,698	2,610	141.7	4,010
San Quentin State Prison (SQ)	3,462	3,082	112.3	4,044
Salinas Valley State Prison (SVSP)	2,896	2,452	118.1	3,509
Valley State Prison (VSP)	3,021	1,980	152.6	2,954
Wasco State Prison (WSP)	2,649	2,984	88.8	4,447
Male Total	104,177	85,858	121.3	119,963
Female Institutions				
Central California Women's Facility (CCWF)	2,519	2,004	125.7	2,988
California Institution for Women (CIW)	1,477	1,398	105.7	1,877
Folsom State Prison (FOL)	220	403	54.6	530
Female Total	4,216	3,805	110.8	5,395
Institution Total	108,393	89,663	120.9	125,358

Monthly Report of Population
As of Midnight July 31, 2020

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Male Institutions				
Avenal State Prison (ASP)	3,824	2,920	131.0	4,719
Calipatria State Prison (CAL)	2,955	2,308	128.0	3,451
California Correctional Center (CCC)	3,275	3,883	84.3	4,752
California Correctional Institution (CCI)	3,445	2,783	123.8	4,115
Centinela State Prison (CEN)	3,237	2,308	140.3	3,446
California Health Care Facility - Stockton (CHCF)	2,575	2,951	87.3	3,111
California Institution for Men (CIM)	2,557	2,976	85.9	4,450
California Men's Colony (CMC)	3,486	3,838	90.8	4,407
California Medical Facility (CMF)	2,207	2,361	93.5	2,981
California State Prison, Corcoran (COR)	3,453	3,116	110.8	4,476
California Rehabilitation Center (CRC)	2,837	2,491	113.9	3,262
Correctional Training Facility (CTF)	4,630	3,312	139.8	4,941
Chuckawalla Valley State Prison (CVSP)	2,116	1,738	121.7	2,578
Deuel Vocational Institution (DVI)	1,517	1,681	90.2	2,413
Folsom State Prison (FOL)	2,499	2,066	121.0	3,026
High Desert State Prison (HDSP)	3,461	2,324	148.9	3,461
Ironwood State Prison (ISP)	3,058	2,200	139.0	3,300
Kern Valley State Prison (KVSP)	3,580	2,448	146.2	3,622
California State Prison, Los Angeles County (LAC)	3,068	2,300	133.4	3,400
Mule Creek State Prison (MCSP)	3,917	3,284	119.3	4,207
North Kern State Prison (NKSP)	1,799	2,694	66.8	4,011
Pelican Bay State Prison (PBSP)	2,432	2,380	102.2	3,361
Pleasant Valley State Prison (PVSP)	3,016	2,308	130.7	3,535
RJ Donovan Correctional Facility (RJD)	3,645	2,992	121.8	4,038
California State Prison, Sacramento (SAC)	2,316	1,828	126.7	2,545
California Substance Abuse Treatment Facility (SATF)	4,674	3,424	136.5	5,111
Sierra Conservation Center (SCC)	3,678	3,836	95.9	4,570
California State Prison, Solano (SOL)	3,575	2,610	137.0	4,010
San Quentin State Prison (SQ)	3,158	3,082	102.5	4,636
Salinas Valley State Prison (SVSP)	2,817	2,452	114.9	3,509
Valley State Prison (VSP)	2,919	1,980	147.4	2,954
Wasco State Prison (WSP)	2,208	2,984	74.0	4,447
Male Total	97,934	85,858	114.1	120,845
Female Institutions				
Central California Women's Facility (CCWF)	2,155	2,004	107.5	2,988
California Institution for Women (CIW)	1,296	1,398	92.7	1,877
Folsom State Prison (FOL)	138	403	34.2	530
Female Total	3,589	3,805	94.3	5,395
Institution Total	101,523	89,663	113.2	126,240

Monthly Report of Population
As of Midnight August 31, 2020

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Male Institutions				
Avenal State Prison (ASP)	3,727	2,920	127.6	4,719
Calipatria State Prison (CAL)	2,893	2,308	125.3	3,451
California Correctional Center (CCC)	2,899	3,883	74.7	4,752
California Correctional Institution (CCI)	3,313	2,783	119.0	4,175
Centinela State Prison (CEN)	3,137	2,308	135.9	3,446
California Health Care Facility - Stockton (CHCF)	2,530	2,951	85.7	3,211
California Institution for Men (CIM)	2,448	2,976	82.3	4,450
California Men's Colony (CMC)	3,316	3,838	86.4	4,687
California Medical Facility (CMF)	2,148	2,361	91.0	2,981
California State Prison, Corcoran (COR)	3,314	3,116	106.4	4,476
California Rehabilitation Center (CRC)	2,589	2,491	103.9	3,262
Correctional Training Facility (CTF)	4,441	3,312	134.1	4,997
Chuckawalla Valley State Prison (CVSP)	2,051	1,738	118.0	2,578
Deuel Vocational Institution (DVI)	1,504	1,681	89.5	2,413
Folsom State Prison (FOL)	2,408	2,066	116.6	3,282
High Desert State Prison (HDSP)	3,349	2,324	144.1	3,461
Ironwood State Prison (ISP)	2,940	2,200	133.6	3,300
Kern Valley State Prison (KVSP)	3,520	2,448	143.8	3,622
California State Prison, Los Angeles County (LAC)	3,016	2,300	131.1	3,424
Mule Creek State Prison (MCSP)	3,824	3,284	116.4	4,207
North Kern State Prison (NKSP)	1,639	2,694	60.8	4,011
Pelican Bay State Prison (PBSP)	2,380	2,380	100.0	3,361
Pleasant Valley State Prison (PVSP)	2,876	2,308	124.6	3,535
RJ Donovan Correctional Facility (RJD)	3,616	2,992	120.9	4,038
California State Prison, Sacramento (SAC)	2,250	1,828	123.1	2,545
California Substance Abuse Treatment Facility (SATF)	4,531	3,424	132.3	5,157
Sierra Conservation Center (SCC)	3,271	3,836	85.3	4,570
California State Prison, Solano (SOL)	3,429	2,610	131.4	4,010
San Quentin State Prison (SQ)	3,062	3,082	99.4	4,422
Salinas Valley State Prison (SVSP)	2,754	2,452	112.3	3,509
Valley State Prison (VSP)	2,813	1,980	142.1	2,954
Wasco State Prison (WSP)	1,922	2,984	64.4	4,447
Male Total	93,910	85,858	109.4	121,453
Female Institutions				
Central California Women's Facility (CCWF)	2,037	2,004	101.6	2,988
California Institution for Women (CIW)	1,212	1,398	86.7	1,877
Folsom State Prison (FOL)	107	403	26.6	530
Female Total	3,356	3,805	88.2	5,395
Institution Total	97,266	89,663	108.5	126,848

Monthly Report of Population
As of Midnight September 30, 2020

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Male Institutions				
Avenal State Prison (ASP)	3,557	2,920	121.8	4,719
Calipatria State Prison (CAL)	2,898	2,308	125.6	3,451
California Correctional Center (CCC)	2,560	3,883	65.9	4,752
California Correctional Institution (CCI)	3,103	2,783	111.5	4,175
Centinela State Prison (CEN)	3,123	2,308	135.3	3,446
California Health Care Facility - Stockton (CHCF)	2,460	2,951	83.4	3,211
California Institution for Men (CIM)	2,295	2,976	77.1	4,450
California Men's Colony (CMC)	3,202	3,838	83.4	4,407
California Medical Facility (CMF)	2,077	2,361	88.0	2,981
California State Prison, Corcoran (COR)	3,234	3,116	103.8	4,476
California Rehabilitation Center (CRC)	2,370	2,491	95.1	3,262
Correctional Training Facility (CTF)	4,369	3,312	131.9	4,997
Chuckawalla Valley State Prison (CVSP)	1,925	1,738	110.8	2,578
Deuel Vocational Institution (DVI)	1,577	1,681	93.8	2,413
Folsom State Prison (FOL)	2,258	2,066	109.3	3,858
High Desert State Prison (HDSP)	3,352	2,324	144.2	3,461
Ironwood State Prison (ISP)	2,920	2,200	132.7	3,300
Kern Valley State Prison (KVSP)	3,515	2,448	143.6	3,622
California State Prison, Los Angeles County (LAC)	2,959	2,300	128.7	3,424
Mule Creek State Prison (MCSP)	3,785	3,284	115.3	4,207
North Kern State Prison (NKSP)	1,857	2,694	68.9	4,011
Pelican Bay State Prison (PBSP)	2,317	2,380	97.4	3,361
Pleasant Valley State Prison (PVSP)	2,841	2,308	123.1	3,535
RJ Donovan Correctional Facility (RJD)	3,566	2,992	119.2	4,038
California State Prison, Sacramento (SAC)	2,243	1,828	122.7	2,545
California Substance Abuse Treatment Facility (SATF)	4,442	3,424	129.7	5,157
Sierra Conservation Center (SCC)	3,024	3,836	78.8	4,570
California State Prison, Solano (SOL)	3,337	2,610	127.9	4,010
San Quentin State Prison (SQ)	2,930	3,082	95.1	4,491
Salinas Valley State Prison (SVSP)	2,759	2,452	112.5	3,509
Valley State Prison (VSP)	2,766	1,980	139.7	2,954
Wasco State Prison (WSP)	1,784	2,984	59.8	4,447
Male Total	91,405	85,858	106.5	121,818
Female Institutions				
Central California Women's Facility (CCWF)	1,957	2,004	97.7	3,068
California Institution for Women (CIW)	1,173	1,398	83.9	1,877
Folsom State Prison (FOL)	93	403	23.1	530
Female Total	3,223	3,805	84.7	5,475
Institution Total	94,628	89,663	105.5	127,293

Monthly Report of Population
As of Midnight October 31, 2020

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Male Institutions				
Avenal State Prison (ASP)	3,473	2,920	118.9	4,719
Calipatria State Prison (CAL)	2,987	2,308	129.4	3,451
California Correctional Center (CCC)	2,409	3,883	62.0	4,752
California Correctional Institution (CCI)	3,000	2,783	107.8	4,175
Centinela State Prison (CEN)	3,141	2,308	136.1	3,446
California Health Care Facility - Stockton (CHCF)	2,441	2,951	82.7	3,051
California Institution for Men (CIM)	2,178	2,976	73.2	4,450
California Men's Colony (CMC)	3,118	3,838	81.2	4,407
California Medical Facility (CMF)	2,044	2,361	86.6	2,981
California State Prison, Corcoran (COR)	2,958	3,116	94.9	4,476
California Rehabilitation Center (CRC)	2,260	2,491	90.7	3,514
Correctional Training Facility (CTF)	4,390	3,312	132.5	4,997
Chuckawalla Valley State Prison (CVSP)	1,936	1,738	111.4	2,578
Deuel Vocational Institution (DVI)	1,476	1,681	87.8	2,413
Folsom State Prison (FOL)	2,189	2,066	106.0	3,078
High Desert State Prison (HDSP)	3,342	2,324	143.8	3,461
Ironwood State Prison (ISP)	2,892	2,200	131.5	3,300
Kern Valley State Prison (KVSP)	3,623	2,448	148.0	3,622
California State Prison, Los Angeles County (LAC)	2,805	2,300	122.0	3,424
Mule Creek State Prison (MCSP)	3,890	3,284	118.5	4,207
North Kern State Prison (NKSP)	2,192	2,694	81.4	4,011
Pelican Bay State Prison (PBSP)	2,290	2,380	96.2	3,361
Pleasant Valley State Prison (PVSP)	2,833	2,308	122.7	3,535
RJ Donovan Correctional Facility (RJD)	3,608	2,992	120.6	4,038
California State Prison, Sacramento (SAC)	2,246	1,828	122.9	2,545
California Substance Abuse Treatment Facility (SATF)	4,446	3,424	129.8	5,157
Sierra Conservation Center (SCC)	3,076	3,836	80.2	4,570
California State Prison, Solano (SOL)	3,299	2,610	126.4	4,010
San Quentin State Prison (SQ)	2,851	3,082	92.5	4,226
Salinas Valley State Prison (SVSP)	2,799	2,452	114.2	3,509
Valley State Prison (VSP)	2,763	1,980	139.5	3,034
Wasco State Prison (WSP)	2,095	2,984	70.2	4,447
Male Total	91,050	85,858	106.0	120,945
Female Institutions				
Central California Women's Facility (CCWF)	1,998	2,004	99.7	3,068
California Institution for Women (CIW)	1,135	1,398	81.2	1,877
Folsom State Prison (FOL)	87	403	21.6	530
Female Total	3,220	3,805	84.6	5,475
Institution Total	94,270	89,663	105.1	126,420

Monthly Report of Population
As of Midnight November 30, 2020

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Male Institutions				
Avenal State Prison (ASP)	3,412	2,920	116.8	4,719
Calipatria State Prison (CAL)	2,963	2,308	128.4	3,451
California Correctional Center (CCC)	2,279	3,883	58.7	4,492
California Correctional Institution (CCI)	2,983	2,783	107.2	4,175
Centinela State Prison (CEN)	3,104	2,308	134.5	3,446
California Health Care Facility - Stockton (CHCF)	2,399	2,951	81.3	3,051
California Institution for Men (CIM)	2,072	2,976	69.6	4,450
California Men's Colony (CMC)	3,137	3,838	81.7	4,407
California Medical Facility (CMF)	2,046	2,361	86.7	2,981
California State Prison, Corcoran (COR)	2,970	3,116	95.3	4,476
California Rehabilitation Center (CRC)	2,149	2,491	86.3	3,434
Correctional Training Facility (CTF)	4,344	3,312	131.2	5,049
Chuckawalla Valley State Prison (CVSP)	1,885	1,738	108.5	2,578
Deuel Vocational Institution (DVI)	1,379	1,681	82.0	2,413
Folsom State Prison (FOL)	2,107	2,066	102.0	3,078
High Desert State Prison (HDSP)	3,338	2,324	143.6	3,461
Ironwood State Prison (ISP)	2,824	2,200	128.4	3,300
Kern Valley State Prison (KVSP)	3,643	2,448	148.8	3,622
California State Prison, Los Angeles County (LAC)	2,739	2,300	119.1	3,424
Mule Creek State Prison (MCSP)	3,914	3,284	119.2	4,207
North Kern State Prison (NKSP)	2,642	2,694	98.1	4,011
Pelican Bay State Prison (PBSP)	2,243	2,380	94.2	3,361
Pleasant Valley State Prison (PVSP)	2,795	2,308	121.1	3,535
RJ Donovan Correctional Facility (RJD)	3,605	2,992	120.5	4,038
California State Prison, Sacramento (SAC)	2,249	1,828	123.0	2,545
California Substance Abuse Treatment Facility (SATF)	4,377	3,424	127.8	5,657
Sierra Conservation Center (SCC)	3,095	3,836	80.7	4,570
California State Prison, Solano (SOL)	3,230	2,610	123.8	4,056
San Quentin State Prison (SQ)	2,734	3,082	88.7	4,226
Salinas Valley State Prison (SVSP)	2,819	2,452	115.0	3,509
Valley State Prison (VSP)	2,779	1,980	140.4	3,034
Wasco State Prison (WSP)	2,672	2,984	89.5	4,447
Male Total	90,927	85,858	105.9	121,203
Female Institutions				
Central California Women's Facility (CCWF)	2,048	2,004	102.2	3,068
California Institution for Women (CIW)	1,092	1,398	78.1	1,877
Folsom State Prison (FOL)	79	403	19.6	530
Female Total	3,219	3,805	84.6	5,475
Institution Total	94,146	89,663	105.0	126,678

Monthly Report of Population
As of Midnight December 31, 2020

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Male Institutions				
Avenal State Prison (ASP)	3,333	2,920	114.1	4,719
Calipatria State Prison (CAL)	2,926	2,308	126.8	3,451
California Correctional Center (CCC)	2,138	3,883	55.1	4,392
California Correctional Institution (CCI)	2,914	2,783	104.7	4,175
Centinela State Prison (CEN)	3,068	2,308	132.9	3,446
California Health Care Facility - Stockton (CHCF)	2,359	2,951	79.9	3,051
California Institution for Men (CIM)	2,026	2,976	68.1	4,450
California Men's Colony (CMC)	3,076	3,838	80.1	4,407
California Medical Facility (CMF)	2,008	2,361	85.0	3,021
California State Prison, Corcoran (COR)	2,918	3,116	93.6	4,476
California Rehabilitation Center (CRC)	2,064	2,491	82.9	3,434
Correctional Training Facility (CTF)	4,241	3,312	128.0	5,311
Chuckawalla Valley State Prison (CVSP)	1,852	1,738	106.6	2,578
Deuel Vocational Institution (DVI)	1,332	1,681	79.2	2,413
Folsom State Prison (FOL)	2,060	2,066	99.7	3,078
High Desert State Prison (HDSP)	3,302	2,324	142.1	3,461
Ironwood State Prison (ISP)	2,773	2,200	126.0	3,300
Kern Valley State Prison (KVSP)	3,617	2,448	147.8	3,622
California State Prison, Los Angeles County (LAC)	2,704	2,300	117.6	3,424
Mule Creek State Prison (MCSP)	3,859	3,284	117.5	4,455
North Kern State Prison (NKSP)	2,522	2,694	93.6	4,011
Pelican Bay State Prison (PBSP)	2,209	2,380	92.8	3,361
Pleasant Valley State Prison (PVSP)	2,753	2,308	119.3	3,535
RJ Donovan Correctional Facility (RJD)	3,561	2,992	119.0	4,182
California State Prison, Sacramento (SAC)	2,227	1,828	121.8	2,545
California Substance Abuse Treatment Facility (SATF)	4,315	3,424	126.0	5,202
Sierra Conservation Center (SCC)	2,938	3,836	76.6	4,250
California State Prison, Solano (SOL)	3,174	2,610	121.6	4,056
San Quentin State Prison (SQ)	2,659	3,082	86.3	4,226
Salinas Valley State Prison (SVSP)	2,802	2,452	114.3	3,509
Valley State Prison (VSP)	2,733	1,980	138.0	3,173
Wasco State Prison (WSP)	2,512	2,984	84.2	4,447
Male Total	88,975	85,858	103.6	121,161
Female Institutions				
Central California Women's Facility (CCWF)	1,999	2,004	99.8	3,068
California Institution for Women (CIW)	1,068	1,398	76.4	1,777
Folsom State Prison (FOL)	74	403	18.4	530
Female Total	3,141	3,805	82.5	5,375
Institution Total	92,116	89,663	102.7	126,536

Monthly Report of Population
As of Midnight January 31, 2021

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Male Institutions				
Avenal State Prison (ASP)	3,286	2,920	112.5	4,719
Calipatria State Prison (CAL)	2,916	2,308	126.3	3,451
California Correctional Center (CCC)	2,099	3,443	61.0	4,392
California Correctional Institution (CCI)	2,929	2,783	105.2	4,175
Central California Women's Facility (CCWF)	5	2,004	0.2	1,536
Centinela State Prison (CEN)	3,080	2,308	133.4	3,446
California Health Care Facility - Stockton (CHCF)	2,379	2,951	80.6	3,051
California Institution for Men (CIM)	1,956	2,976	65.7	4,450
California Men's Colony (CMC)	3,023	3,838	78.8	4,445
California Medical Facility (CMF)	1,963	2,361	83.1	3,021
California State Prison, Corcoran (COR)	2,917	3,116	93.6	4,476
California Rehabilitation Center (CRC)	1,976	2,491	79.3	3,274
Correctional Training Facility (CTF)	4,200	3,312	126.8	5,311
Chuckawalla Valley State Prison (CVSP)	1,855	1,738	106.7	2,578
Deuel Vocational Institution (DVI)	1,258	1,681	74.8	2,413
Folsom State Prison (FOL)	2,011	2,066	97.3	3,078
High Desert State Prison (HDSP)	3,295	2,324	141.8	3,461
Ironwood State Prison (ISP)	2,741	2,200	124.6	3,300
Kern Valley State Prison (KVSP)	3,629	2,448	148.2	3,622
California State Prison, Los Angeles County (LAC)	2,680	2,300	116.5	3,424
Mule Creek State Prison (MCSP)	3,850	3,284	117.2	4,455
North Kern State Prison (NKSP)	2,306	2,694	85.6	4,011
Pelican Bay State Prison (PBSP)	2,191	2,380	92.1	3,361
Pleasant Valley State Prison (PVSP)	2,743	2,308	118.8	3,535
RJ Donovan Correctional Facility (RJD)	3,514	2,992	117.4	4,182
California State Prison, Sacramento (SAC)	2,233	1,828	122.2	2,545
California Substance Abuse Treatment Facility (SATF)	4,321	3,424	126.2	5,202
Sierra Conservation Center (SCC)	2,865	3,486	82.2	4,250
California State Prison, Solano (SOL)	3,165	2,610	121.3	4,056
San Quentin State Prison (SQ)	2,614	3,082	84.8	4,157
Salinas Valley State Prison (SVSP)	2,885	2,452	117.7	3,509
Valley State Prison (VSP)	2,661	1,980	134.4	3,069
Wasco State Prison (WSP)	2,345	2,984	78.6	4,447
Male Total	87,891	85,068	103.3	122,402
Female Institutions				
Central California Women's Facility (CCWF)	1,991	2,004	99.4	3,068
California Institution for Women (CIW)	1,042	1,298	80.3	1,777
California Medical Facility (CMF)	2	2,361	0.1	2,562
Folsom State Prison (FOL)	65	403	16.1	530
High Desert State Prison (HDSP)	1	2,324	0.0	750
Mule Creek State Prison (MCSP)	1	3,284	0.0	800
California Substance Abuse Treatment Facility (SATF)	2	3,424	0.1	837
Female Total	3,104	3,705	83.8	10,324
Institution Total	90,995	88,773	102.5	132,726

Monthly Report of Population
As of Midnight February 28, 2021

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Male Institutions				
Avenal State Prison (ASP)	3,232	2,920	110.7	4,719
Calipatria State Prison (CAL)	2,938	2,308	127.3	3,451
California Correctional Center (CCC)	2,093	3,443	60.8	4,392
California Correctional Institution (CCI)	2,912	2,783	104.6	4,175
Central California Women's Facility (CCWF)	4	2,004	0.2	1,420
Centinela State Prison (CEN)	3,056	2,308	132.4	3,446
California Health Care Facility - Stockton (CHCF)	2,435	2,951	82.5	3,051
California Institution for Men (CIM)	1,905	2,976	64.0	4,450
California Men's Colony (CMC)	3,004	3,838	78.3	4,445
California Medical Facility (CMF)	1,916	2,361	81.2	2,921
California State Prison, Corcoran (COR)	2,962	3,116	95.1	4,476
California Rehabilitation Center (CRC)	1,881	2,491	75.5	3,274
Correctional Training Facility (CTF)	4,260	3,312	128.6	5,103
Chuckawalla Valley State Prison (CVSP)	1,862	1,738	107.1	2,578
Deuel Vocational Institution (DVI)	1,159	1,681	68.9	2,181
Folsom State Prison (FOL)	1,963	2,066	95.0	3,078
High Desert State Prison (HDSP)	3,290	2,324	141.6	3,461
Ironwood State Prison (ISP)	2,702	2,200	122.8	3,300
Kern Valley State Prison (KVSP)	3,630	2,448	148.3	3,622
California State Prison, Los Angeles County (LAC)	2,663	2,300	115.8	3,424
Mule Creek State Prison (MCSP)	3,861	3,284	117.6	4,255
North Kern State Prison (NKSP)	2,596	2,694	96.4	4,011
Pelican Bay State Prison (PBSP)	2,182	2,380	91.7	3,361
Pleasant Valley State Prison (PVSP)	2,695	2,308	116.8	3,535
RJ Donovan Correctional Facility (RJD)	3,502	2,992	117.0	4,182
California State Prison, Sacramento (SAC)	2,233	1,828	122.2	2,545
California Substance Abuse Treatment Facility (SATF)	4,444	3,424	129.8	5,202
Sierra Conservation Center (SCC)	2,926	3,486	83.9	4,056
California State Prison, Solano (SOL)	3,135	2,610	120.1	4,056
San Quentin State Prison (SQ)	2,530	3,082	82.1	4,157
Salinas Valley State Prison (SVSP)	2,976	2,452	121.4	3,509
Valley State Prison (VSP)	2,753	1,980	139.0	3,034
Wasco State Prison (WSP)	2,480	2,984	83.1	4,447
Male Total	88,180	85,068	103.7	121,317
Female Institutions				
Central California Women's Facility (CCWF)	2,037	2,004	101.6	3,068
California Institution for Women (CIW)	1,007	1,298	77.6	1,777
Folsom State Prison (FOL)	54	403	13.4	530
California State Prison, Los Angeles County (LAC)	1	2,300	0.0	725
Female Total	3,099	3,705	83.6	6,100
Institution Total	91,279	88,773	102.8	127,417

Monthly Report of Population
As of Midnight March 31, 2021

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Male Institutions				
Avenal State Prison (ASP)	3,134	2,920	107.3	4,719
Calipatria State Prison (CAL)	2,965	2,308	128.5	3,451
California Correctional Center (CCC)	2,090	3,443	60.7	4,392
California Correctional Institution (CCI)	2,898	2,783	104.1	4,175
Central California Women's Facility (CCWF)	3	2,004	0.1	1,420
Centinela State Prison (CEN)	3,056	2,308	132.4	3,446
California Health Care Facility - Stockton (CHCF)	2,447	2,951	82.9	3,051
California Institution for Men (CIM)	1,858	2,976	62.4	4,450
California Men's Colony (CMC)	2,980	3,838	77.6	4,445
California Medical Facility (CMF)	1,924	2,361	81.5	2,921
California State Prison, Corcoran (COR)	3,011	3,116	96.6	4,476
California Rehabilitation Center (CRC)	1,813	2,491	72.8	3,274
Correctional Training Facility (CTF)	4,341	3,312	131.1	4,929
Chuckawalla Valley State Prison (CVSP)	1,914	1,738	110.1	2,578
Deuel Vocational Institution (DVI)	925	1,681	55.0	2,181
Folsom State Prison (FOL)	1,929	2,066	93.4	3,078
High Desert State Prison (HDSP)	3,293	2,324	141.7	3,461
Ironwood State Prison (ISP)	2,643	2,200	120.1	3,300
Kern Valley State Prison (KVSP)	3,637	2,448	148.6	3,622
California State Prison, Los Angeles County (LAC)	2,665	2,300	115.9	3,424
Mule Creek State Prison (MCSP)	3,886	3,284	118.3	4,255
North Kern State Prison (NKSP)	2,957	2,694	109.8	4,011
Pelican Bay State Prison (PBSP)	2,154	2,380	90.5	3,361
Pleasant Valley State Prison (PVSP)	2,680	2,308	116.1	3,535
RJ Donovan Correctional Facility (RJD)	3,463	2,992	115.7	4,182
California State Prison, Sacramento (SAC)	2,232	1,828	122.1	2,545
California Substance Abuse Treatment Facility (SATF)	4,511	3,424	131.7	5,202
Sierra Conservation Center (SCC)	2,915	3,486	83.6	4,250
California State Prison, Solano (SOL)	3,090	2,610	118.4	4,056
San Quentin State Prison (SQ)	2,460	3,082	79.8	4,157
Salinas Valley State Prison (SVSP)	3,038	2,452	123.9	3,509
Valley State Prison (VSP)	2,761	1,980	139.4	3,034
Wasco State Prison (WSP)	3,026	2,984	101.4	4,447
Male Total	88,699	85,068	104.3	121,337
Female Institutions				
Central California Women's Facility (CCWF)	2,169	2,004	108.2	3,068
California Institution for Women (CIW)	990	1,298	76.3	1,777
Folsom State Prison (FOL)	45	403	11.2	530
Female Total	3,204	3,705	86.5	5,375
Institution Total	91,903	88,773	103.5	126,712

Monthly Report of Population
As of Midnight April 30, 2021

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Male Institutions				
Avenal State Prison (ASP)	3,119	2,920	106.8	4,719
Calipatria State Prison (CAL)	2,935	2,308	127.2	3,451
California Correctional Center (CCC)	2,181	3,443	63.3	4,392
California Correctional Institution (CCI)	2,957	2,783	106.3	4,175
Central California Women's Facility (CCWF)	7	2,004	0.3	1,420
Centinela State Prison (CEN)	3,037	2,308	131.6	3,446
California Health Care Facility - Stockton (CHCF)	2,455	2,951	83.2	3,051
California Institution for Men (CIM)	1,947	2,976	65.4	4,350
California Men's Colony (CMC)	3,006	3,838	78.3	4,407
California Medical Facility (CMF)	1,963	2,361	83.1	2,921
California State Prison, Corcoran (COR)	3,079	3,116	98.8	4,476
California Rehabilitation Center (CRC)	1,896	2,491	76.1	3,274
Correctional Training Facility (CTF)	4,552	3,312	137.4	4,929
Chuckawalla Valley State Prison (CVSP)	1,911	1,738	110.0	2,578
Deuel Vocational Institution (DVI)	561	1,681	33.4	2,181
Folsom State Prison (FOL)	1,950	2,066	94.4	3,078
High Desert State Prison (HDSP)	3,303	2,324	142.1	3,461
Ironwood State Prison (ISP)	2,634	2,200	119.7	3,300
Kern Valley State Prison (KVSP)	3,584	2,448	146.4	3,622
California State Prison, Los Angeles County (LAC)	2,721	2,300	118.3	3,424
Mule Creek State Prison (MCSP)	3,896	3,284	118.6	4,255
North Kern State Prison (NKSP)	3,061	2,694	113.6	4,011
Pelican Bay State Prison (PBSP)	2,135	2,380	89.7	3,361
Pleasant Valley State Prison (PVSP)	2,742	2,308	118.8	3,535
RJ Donovan Correctional Facility (RJD)	3,403	2,992	113.7	4,182
California State Prison, Sacramento (SAC)	2,217	1,828	121.3	2,545
California Substance Abuse Treatment Facility (SATF)	4,653	3,424	135.9	5,202
Sierra Conservation Center (SCC)	2,883	3,486	82.7	4,250
California State Prison, Solano (SOL)	3,220	2,610	123.4	4,056
San Quentin State Prison (SQ)	2,387	3,082	77.4	4,157
Salinas Valley State Prison (SVSP)	3,048	2,452	124.3	3,509
Valley State Prison (VSP)	2,884	1,980	145.7	3,034
Wasco State Prison (WSP)	2,980	2,984	99.9	4,447
Male Total	89,307	85,068	105.0	121,199
Female Institutions				
Central California Women's Facility (CCWF)	2,351	2,004	117.3	3,068
California Institution for Women (CIW)	973	1,298	75.0	1,777
Folsom State Prison (FOL)	54	403	13.4	530
Female Total	3,378	3,705	91.2	5,375
Institution Total	92,685	88,773	104.4	126,574

Monthly Report of Population
As of Midnight May 31, 2021

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Male Institutions				
Avenal State Prison (ASP)	3,167	2,920	108.5	4,719
Calipatria State Prison (CAL)	2,939	2,308	127.3	3,451
California Correctional Center (CCC)	2,294	3,443	66.6	4,392
California Correctional Institution (CCI)	2,952	2,783	106.1	4,175
Central California Women's Facility (CCWF)	14	2,004	0.7	2,172
Centinela State Prison (CEN)	2,981	2,308	129.2	3,446
California Health Care Facility - Stockton (CHCF)	2,488	2,951	84.3	3,051
California Institution for Men (CIM)	2,090	2,976	70.2	4,350
California Men's Colony (CMC)	3,079	3,838	80.2	4,407
California Medical Facility (CMF)	2,007	2,361	85.0	2,921
California State Prison, Corcoran (COR)	3,136	3,116	100.6	4,476
California Rehabilitation Center (CRC)	2,032	2,491	81.6	3,274
Correctional Training Facility (CTF)	4,629	3,312	139.8	4,929
Chuckawalla Valley State Prison (CVSP)	1,982	1,738	114.0	2,579
Deuel Vocational Institution (DVI)	433	1,681	25.8	2,181
Folsom State Prison (FOL)	2,006	2,066	97.1	3,078
High Desert State Prison (HDSP)	3,262	2,324	140.4	3,461
Ironwood State Prison (ISP)	2,589	2,200	117.7	3,300
Kern Valley State Prison (KVSP)	3,497	2,448	142.9	3,622
California State Prison, Los Angeles County (LAC)	2,753	2,300	119.7	3,424
Mule Creek State Prison (MCSP)	3,911	3,284	119.1	4,255
North Kern State Prison (NKSP)	3,414	2,694	126.7	4,011
Pelican Bay State Prison (PBSP)	2,091	2,380	87.9	3,361
Pleasant Valley State Prison (PVSP)	2,670	2,308	115.7	3,535
RJ Donovan Correctional Facility (RJD)	3,366	2,992	112.5	4,182
California State Prison, Sacramento (SAC)	2,197	1,828	120.2	2,545
California Substance Abuse Treatment Facility (SATF)	4,790	3,424	139.9	5,202
Sierra Conservation Center (SCC)	3,019	3,486	86.6	4,250
California State Prison, Solano (SOL)	3,257	2,610	124.8	4,056
San Quentin State Prison (SQ)	2,419	3,082	78.5	4,157
Salinas Valley State Prison (SVSP)	3,021	2,452	123.2	3,509
Valley State Prison (VSP)	2,946	1,980	148.8	3,034
Wasco State Prison (WSP)	3,153	2,984	105.7	4,447
Male Total	90,584	85,068	106.5	121,952
Female Institutions				
Central California Women's Facility (CCWF)	2,389	2,004	119.2	3,068
California Institution for Women (CIW)	983	1,298	75.7	1,777
Folsom State Prison (FOL)	147	403	36.5	530
Female Total	3,519	3,705	95.0	5,375
Institution Total	94,103	88,773	106.0	127,327

Weekly Report of Population
As of Midnight June 30, 2021

Weekly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Male Institutions				
Avenal State Prison (ASP)	3,376	2,920	115.6	4,719
Calipatria State Prison (CAL)	2,915	2,308	126.3	3,451
California Correctional Center (CCC)	2,373	3,443	68.9	4,392
California Correctional Institution (CCI)	2,985	2,783	107.3	4,175
Central California Women's Facility (CCWF)	15	2,004	0.7	2,172
Centinela State Prison (CEN)	2,787	2,308	120.8	3,446
California Health Care Facility - Stockton (CHCF)	2,482	2,951	84.1	2,951
California Institution for Men (CIM)	2,312	2,976	77.7	4,350
California Institution for Women (CIW)	6	1,298	0.5	1,494
California Men's Colony (CMC)	3,067	3,838	79.9	4,407
California Medical Facility (CMF)	1,987	2,361	84.2	2,921
California State Prison, Corcoran (COR)	3,259	3,116	104.6	4,476
California Rehabilitation Center (CRC)	2,240	2,491	89.9	3,274
Correctional Training Facility (CTF)	4,715	3,312	142.4	4,929
Chuckawalla Valley State Prison (CVSP)	2,136	1,738	122.9	2,579
Deuel Vocational Institution (DVI)	190	1,681	11.3	2,181
Folsom State Prison (FOL)	2,184	2,066	105.7	3,148
High Desert State Prison (HDSP)	3,285	2,324	141.4	3,461
Ironwood State Prison (ISP)	2,569	2,200	116.8	3,300
Kern Valley State Prison (KVSP)	3,447	2,448	140.8	3,622
California State Prison, Los Angeles County (LAC)	2,729	2,300	118.7	3,424
Mule Creek State Prison (MCSP)	3,903	3,284	118.8	4,255
North Kern State Prison (NKSP)	3,412	2,694	126.7	4,011
Pelican Bay State Prison (PBSP)	2,112	2,380	88.7	3,361
Pleasant Valley State Prison (PVSP)	2,646	2,308	114.6	3,535
RJ Donovan Correctional Facility (RJD)	3,329	2,992	111.3	4,182
California State Prison, Sacramento (SAC)	2,135	1,828	116.8	2,545
California Substance Abuse Treatment Facility (SATF)	4,969	3,424	145.1	5,202
Sierra Conservation Center (SCC)	3,200	3,486	91.8	4,250
California State Prison, Solano (SOL)	3,231	2,610	123.8	4,056
San Quentin State Prison (SQ)	2,483	3,082	80.6	4,092
Salinas Valley State Prison (SVSP)	3,009	2,452	122.7	3,509
Valley State Prison (VSP)	2,938	1,980	148.4	3,034
Wasco State Prison (WSP)	3,275	2,984	109.8	4,447
Male Total	91,701	85,068	107.8	123,351
Female Institutions				
Central California Women's Facility (CCWF)	2,399	2,004	119.7	3,068
California Institution for Women (CIW)	990	1,298	76.3	1,777
Folsom State Prison (FOL)	214	403	53.1	530
Female Total	3,603	3,705	97.2	5,375
Institution Total	95,304	88,773	107.4	128,726

Monthly Report of Population
As of Midnight July 31, 2021

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Male Institutions				
Avenal State Prison (ASP)	3,396	2,909	116.7	4,387
Calipatria State Prison (CAL)	2,907	2,308	126.0	3,451
California Correctional Center (CCC)	2,238	3,377	66.3	3,427
California Correctional Institution (CCI)	2,842	2,739	103.8	4,145
Central California Women's Facility (CCWF)	14	1,990	0.7	2,940
Centinela State Prison (CEN)	2,868	2,308	124.3	3,446
California Health Care Facility - Stockton (CHCF)	2,437	2,953	82.5	2,951
California Institution for Men (CIM)	2,392	2,736	87.4	4,226
California Institution for Women (CIW)	7	1,281	0.5	1,494
California Men's Colony (CMC)	3,020	3,816	79.1	4,407
California Medical Facility (CMF)	2,008	2,318	86.6	2,921
California State Prison, Corcoran (COR)	3,241	3,115	104.0	4,476
California Rehabilitation Center (CRC)	2,394	2,380	100.6	3,174
Correctional Training Facility (CTF)	4,645	3,300	140.8	4,929
Chuckawalla Valley State Prison (CVSP)	2,182	1,738	125.5	2,579
Folsom State Prison (FOL)	2,265	2,065	109.7	3,148
High Desert State Prison (HDSP)	3,222	2,324	138.6	3,461
Ironwood State Prison (ISP)	2,435	2,200	110.7	3,300
Kern Valley State Prison (KVSP)	3,426	2,448	140.0	3,622
California State Prison, Los Angeles County (LAC)	2,696	2,300	117.2	3,400
Mule Creek State Prison (MCSP)	3,878	3,284	118.1	4,155
North Kern State Prison (NKSP)	3,708	2,694	137.6	4,011
Pelican Bay State Prison (PBSP)	2,127	2,380	89.4	3,361
Pleasant Valley State Prison (PVSP)	2,646	2,308	114.6	3,433
RJ Donovan Correctional Facility (RJD)	3,300	2,992	110.3	4,182
California State Prison, Sacramento (SAC)	2,077	1,828	113.6	2,545
California Substance Abuse Treatment Facility (SATF)	5,058	3,424	147.7	5,111
Sierra Conservation Center (SCC)	3,314	3,404	97.4	4,250
California State Prison, Solano (SOL)	3,261	2,594	125.7	4,056
San Quentin State Prison (SQ)	2,549	3,084	82.7	3,984
Salinas Valley State Prison (SVSP)	3,006	2,452	122.6	3,509
Valley State Prison (VSP)	2,956	1,961	150.7	2,954
Wasco State Prison (WSP)	3,717	2,984	124.6	4,447
Male Total	92,232	84,404	109.3	119,882
Female Institutions				
Central California Women's Facility (CCWF)	2,351	1,990	118.1	3,068
California Institution for Women (CIW)	982	1,281	76.7	1,777
Folsom State Prison (FOL)	244	403	60.5	530
Female Total	3,577	3,674	97.4	5,375
Institution Total	95,809	84,404	113.5	125,257

Monthly Report of Population
As of Midnight August 31, 2021

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Male Institutions				
Avenal State Prison (ASP)	3,550	2,909	122.0	4,387
Calipatria State Prison (CAL)	2,870	2,308	124.4	3,451
California Correctional Center (CCC)	2,097	3,377	62.1	3,487
California Correctional Institution (CCI)	2,786	2,739	101.7	4,145
Central California Women's Facility (CCWF)	14	1,990	0.7	2,940
Centinela State Prison (CEN)	2,939	2,308	127.3	3,446
California Health Care Facility - Stockton (CHCF)	2,417	2,953	81.8	2,951
California Institution for Men (CIM)	2,484	2,736	90.8	4,226
California Institution for Women (CIW)	5	1,281	0.4	1,494
California Men's Colony (CMC)	3,089	3,816	80.9	4,407
California Medical Facility (CMF)	2,018	2,318	87.1	2,921
California State Prison, Corcoran (COR)	3,380	3,115	108.5	4,476
California Rehabilitation Center (CRC)	2,532	2,380	106.4	3,174
Correctional Training Facility (CTF)	4,539	3,300	137.5	4,929
Chuckawalla Valley State Prison (CVSP)	2,274	1,738	130.8	2,579
Folsom State Prison (FOL)	2,440	2,065	118.2	3,148
High Desert State Prison (HDSP)	3,233	2,324	139.1	3,461
Ironwood State Prison (ISP)	2,363	2,200	107.4	3,300
Kern Valley State Prison (KVSP)	3,438	2,448	140.4	3,622
California State Prison, Los Angeles County (LAC)	2,705	2,300	117.6	3,400
Mule Creek State Prison (MCSP)	3,843	3,284	117.0	4,155
North Kern State Prison (NKSP)	3,651	2,694	135.5	4,011
Pelican Bay State Prison (PBSP)	2,121	2,380	89.1	3,361
Pleasant Valley State Prison (PVSP)	2,705	2,308	117.2	3,433
RJ Donovan Correctional Facility (RJD)	3,288	2,992	109.9	4,182
California State Prison, Sacramento (SAC)	2,077	1,828	113.6	2,545
California Substance Abuse Treatment Facility (SATF)	5,030	3,424	146.9	5,111
Sierra Conservation Center (SCC)	3,293	3,404	96.7	4,250
California State Prison, Solano (SOL)	3,298	2,594	127.1	4,056
San Quentin State Prison (SQ)	2,665	3,084	86.4	3,984
Salinas Valley State Prison (SVSP)	2,997	2,452	122.2	3,509
Valley State Prison (VSP)	2,980	1,961	152.0	2,954
Wasco State Prison (WSP)	3,490	2,984	117.0	4,447
Male Total	92,611	84,404	109.7	119,942
Female Institutions				
Central California Women's Facility (CCWF)	2,379	1,990	119.5	3,068
California Institution for Women (CIW)	970	1,281	75.7	1,777
Folsom State Prison (FOL)	234	403	58.1	530
Female Total	3,583	3,674	97.5	5,375
Institution Total	96,194	84,404	114.0	125,317

Monthly Report of Population
As of Midnight September 30, 2021

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Male Institutions				
Avenal State Prison (ASP)	3,609	2,909	124.1	4,387
Calipatria State Prison (CAL)	2,841	2,308	123.1	3,451
California Correctional Center (CCC)	1,974	3,377	58.5	3,487
California Correctional Institution (CCI)	2,694	2,739	98.4	3,299
Central California Women's Facility (CCWF)	15	1,990	0.8	2,940
Centinela State Prison (CEN)	2,865	2,308	124.1	3,446
California Health Care Facility - Stockton (CHCF)	2,357	2,953	79.8	2,951
California Institution for Men (CIM)	2,538	2,736	92.8	4,076
California Institution for Women (CIW)	6	1,281	0.5	1,494
California Men's Colony (CMC)	3,065	3,816	80.3	4,407
California Medical Facility (CMF)	2,000	2,318	86.3	2,888
California State Prison, Corcoran (COR)	3,433	3,115	110.2	4,476
California Rehabilitation Center (CRC)	2,670	2,380	112.2	3,174
Correctional Training Facility (CTF)	4,439	3,300	134.5	4,125
Chuckawalla Valley State Prison (CVSP)	2,343	1,738	134.8	2,579
Folsom State Prison (FOL)	2,513	2,065	121.7	3,078
High Desert State Prison (HDSP)	3,208	2,324	138.0	3,461
Ironwood State Prison (ISP)	2,279	2,200	103.6	3,300
Kern Valley State Prison (KVSP)	3,414	2,448	139.5	3,622
California State Prison, Los Angeles County (LAC)	2,748	2,300	119.5	3,400
Mule Creek State Prison (MCSP)	3,743	3,284	114.0	4,155
North Kern State Prison (NKSP)	3,788	2,694	140.6	4,011
Pelican Bay State Prison (PBSP)	2,087	2,380	87.7	3,361
Pleasant Valley State Prison (PVSP)	2,653	2,308	114.9	3,433
RJ Donovan Correctional Facility (RJD)	3,256	2,992	108.8	4,086
California State Prison, Sacramento (SAC)	2,013	1,828	110.1	2,545
California Substance Abuse Treatment Facility (SATF)	5,007	3,424	146.2	5,111
Sierra Conservation Center (SCC)	3,283	3,404	96.4	4,250
California State Prison, Solano (SOL)	3,239	2,594	124.9	3,992
San Quentin State Prison (SQ)	2,807	3,084	91.0	3,984
Salinas Valley State Prison (SVSP)	2,978	2,452	121.5	3,509
Valley State Prison (VSP)	2,972	1,961	151.6	2,954
Wasco State Prison (WSP)	3,572	2,984	119.7	4,447
Male Total	92,409	82,723	111.7	117,879
Female Institutions				
Central California Women's Facility (CCWF)	2,328	1,990	117.0	3,068
California Institution for Women (CIW)	988	1,281	77.1	1,777
Folsom State Prison (FOL)	225	403	55.8	530
Female Total	3,541	3,674	96.4	5,375
Institution Total	95,950	86,397	111.1	123,254

Monthly Report of Population
As of Midnight October 31, 2021

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Male Institutions				
Avenal State Prison (ASP)	3,665	2,909	126.0	4,387
Calipatria State Prison (CAL)	2,912	2,308	126.2	3,451
California Correctional Center (CCC)	1,843	3,377	54.6	3,487
California Correctional Institution (CCI)	2,654	2,172	122.2	3,299
Central California Women's Facility (CCWF)	15	1,990	0.8	2,940
Centinela State Prison (CEN)	2,864	2,308	124.1	3,446
California Health Care Facility - Stockton (CHCF)	2,261	2,953	76.6	2,951
California Institution for Men (CIM)	2,620	2,736	95.8	4,226
California Institution for Women (CIW)	6	1,281	0.5	1,494
California Men's Colony (CMC)	3,049	3,816	79.9	4,407
California Medical Facility (CMF)	1,999	2,318	86.2	2,888
California State Prison, Corcoran (COR)	3,492	3,115	112.1	4,476
California Rehabilitation Center (CRC)	2,786	2,380	117.1	3,174
Correctional Training Facility (CTF)	4,363	2,800	155.8	4,269
Chuckawalla Valley State Prison (CVSP)	2,418	1,738	139.1	2,579
Folsom State Prison (FOL)	2,585	2,065	125.2	3,078
High Desert State Prison (HDSP)	3,193	2,324	137.4	3,461
Ironwood State Prison (ISP)	2,241	2,200	101.9	3,300
Kern Valley State Prison (KVSP)	3,410	2,448	139.3	3,622
California State Prison, Los Angeles County (LAC)	2,755	2,300	119.8	3,400
Mule Creek State Prison (MCSP)	3,757	3,284	114.4	4,155
North Kern State Prison (NKSP)	3,586	2,694	133.1	4,011
Pelican Bay State Prison (PBSP)	2,044	2,380	85.9	3,361
Pleasant Valley State Prison (PVSP)	2,631	2,308	114.0	3,433
RJ Donovan Correctional Facility (RJD)	3,264	2,992	109.1	4,182
California State Prison, Sacramento (SAC)	2,005	1,828	109.7	2,545
California Substance Abuse Treatment Facility (SATF)	5,015	3,424	146.5	5,111
Sierra Conservation Center (SCC)	3,275	3,404	96.2	4,250
California State Prison, Solano (SOL)	3,295	2,594	127.0	3,992
San Quentin State Prison (SQ)	2,950	3,084	95.7	3,984
Salinas Valley State Prison (SVSP)	2,944	2,452	120.1	3,509
Valley State Prison (VSP)	2,975	1,961	151.7	2,954
Wasco State Prison (WSP)	3,842	2,984	128.8	4,447
Male Total	92,714	81,656	113.5	118,269
Female Institutions				
Central California Women's Facility (CCWF)	2,245	1,990	112.8	3,068
California Institution for Women (CIW)	1,026	1,281	80.1	1,777
Folsom State Prison (FOL)	268	403	66.5	530
Female Total	3,539	3,674	96.3	5,375
Institution Total	96,253	85,330	112.8	123,644

Monthly Report of Population
As of Midnight November 30, 2021

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Avenal State Prison (ASP)	3,759	2,909	129.2	4,387
Calipatria State Prison (CAL)	2,918	2,308	126.4	3,451
California Correctional Center (CCC)	1,735	3,377	51.4	3,487
California Correctional Institution (CCI)	2,677	2,172	123.3	3,299
Central California Women's Facility (CCWF)	2,227	1,990	111.9	3,068
Centinela State Prison (CEN)	2,851	2,308	123.5	3,446
California Health Care Facility - Stockton (CHCF)	2,205	2,953	74.7	2,951
California Institution for Men (CIM)	2,688	2,736	98.2	4,226
California Institution for Women (CIW)	1,034	1,281	80.7	1,687
California Men's Colony (CMC)	3,170	3,816	83.1	4,407
California Medical Facility (CMF)	1,990	2,318	85.8	2,888
California State Prison, Corcoran (COR)	3,625	3,115	116.4	4,476
California Rehabilitation Center (CRC)	2,769	2,380	116.3	3,174
Correctional Training Facility (CTF)	4,308	2,800	153.9	4,269
Chuckawalla Valley State Prison (CVSP)	2,494	1,738	143.5	2,279
Folsom State Prison (FOL)	2,637	2,065	127.7	3,078
Folsom Women's Facility (FWF)	240	403	59.6	530
High Desert State Prison (HDSP)	2,949	2,324	126.9	3,461
Ironwood State Prison (ISP)	2,227	2,200	101.2	3,300
Kern Valley State Prison (KVSP)	3,385	2,448	138.3	3,526
California State Prison, Los Angeles County (LAC)	2,732	2,300	118.8	3,400
Mule Creek State Prison (MCSP)	3,762	3,284	114.6	4,155
North Kern State Prison (NKSP)	3,636	2,694	135.0	4,011
Pelican Bay State Prison (PBSP)	2,024	2,380	85.0	2,881
Pleasant Valley State Prison (PVSP)	2,626	2,308	113.8	3,433
RJ Donovan Correctional Facility (RJD)	3,328	2,992	111.2	3,894
California State Prison, Sacramento (SAC)	1,991	1,828	108.9	2,545
California Substance Abuse Treatment Facility (SATF)	5,005	3,424	146.2	5,111
Sierra Conservation Center (SCC)	3,231	3,404	94.9	4,250
California State Prison, Solano (SOL)	3,310	2,594	127.6	3,842
San Quentin State Prison (SQ)	3,055	3,084	99.1	3,671
Salinas Valley State Prison (SVSP)	2,982	2,452	121.6	3,509
Valley State Prison (VSP)	2,987	1,961	152.3	2,954
Wasco State Prison (WSP)	3,792	2,984	127.1	4,447
Institution Total	96,349	85,330	112.9	117,493

Monthly Report of Population
As of Midnight December 31, 2021

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Avenal State Prison (ASP)	3,840	2,909	132.0	4,387
Calipatria State Prison (CAL)	2,883	2,308	124.9	3,451
California Correctional Center (CCC)	1,663	3,377	49.2	3,367
California Correctional Institution (CCI)	3,073	2,172	141.5	3,299
Central California Women's Facility (CCWF)	2,278	1,990	114.5	3,068
Centinela State Prison (CEN)	2,832	2,308	122.7	3,446
California Health Care Facility - Stockton (CHCF)	2,221	2,953	75.2	2,951
California Institution for Men (CIM)	2,718	2,736	99.3	4,226
California Institution for Women (CIW)	1,034	1,281	80.7	1,777
California Men's Colony (CMC)	3,244	3,816	85.0	4,407
California Medical Facility (CMF)	2,033	2,318	87.7	5,267
California State Prison, Corcoran (COR)	3,615	3,115	116.1	4,476
California Rehabilitation Center (CRC)	2,690	2,380	113.0	3,174
Correctional Training Facility (CTF)	4,242	2,800	151.5	4,269
Chuckawalla Valley State Prison (CVSP)	2,509	1,738	144.4	2,579
Folsom State Prison (FOL)	2,702	2,065	130.8	3,078
Folsom Women's Facility (FWF)	224	403	55.6	530
High Desert State Prison (HDSP)	2,317	2,324	99.7	2,711
Ironwood State Prison (ISP)	2,246	2,200	102.1	3,300
Kern Valley State Prison (KVSP)	3,363	2,448	137.4	3,622
California State Prison, Los Angeles County (LAC)	2,771	2,300	120.5	3,400
Mule Creek State Prison (MCSP)	3,823	3,284	116.4	4,155
North Kern State Prison (NKSP)	3,743	2,694	138.9	4,011
Pelican Bay State Prison (PBSP)	1,985	2,380	83.4	3,361
Pleasant Valley State Prison (PVSP)	2,602	2,308	112.7	3,433
RJ Donovan Correctional Facility (RJD)	3,371	2,992	112.7	4,182
California State Prison, Sacramento (SAC)	1,908	1,828	104.4	2,577
California Substance Abuse Treatment Facility (SATF)	4,958	3,424	144.8	5,111
Sierra Conservation Center (SCC)	3,184	3,404	93.5	4,250
California State Prison, Solano (SOL)	3,313	2,594	127.7	3,992
San Quentin State Prison (SQ)	3,142	3,084	101.9	3,984
Salinas Valley State Prison (SVSP)	3,003	2,452	122.5	3,509
Valley State Prison (VSP)	2,963	1,961	151.1	2,942
Wasco State Prison (WSP)	3,979	2,984	133.3	4,447
Institution Total	96,472	85,330	113.1	120,739

Monthly Report of Population
As of Midnight January 31, 2022

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Avenal State Prison (ASP)	3,731	2,909	128.3	4,493
Calipatria State Prison (CAL)	2,799	2,308	121.3	3,451
California Correctional Center (CCC)	1,495	3,377	44.3	4,072
California Correctional Institution (CCI)	3,043	2,172	140.1	3,389
Central California Women's Facility (CCWF)	2,214	1,990	111.3	3,068
Centinela State Prison (CEN)	2,746	2,308	119.0	3,446
California Health Care Facility - Stockton (CHCF)	2,182	2,953	73.9	2,951
California Institution for Men (CIM)	2,554	2,736	93.3	4,226
California Institution for Women (CIW)	995	1,281	77.7	1,777
California Men's Colony (CMC)	3,215	3,816	84.3	4,407
California Medical Facility (CMF)	1,976	2,318	85.2	2,888
California State Prison, Corcoran (COR)	3,498	3,115	112.3	4,476
California Rehabilitation Center (CRC)	2,517	2,380	105.8	3,174
Correctional Training Facility (CTF)	4,166	2,800	148.8	4,323
Chuckawalla Valley State Prison (CVSP)	2,455	1,738	141.3	2,804
Folsom State Prison (FOL)	2,665	2,065	129.1	3,078
Folsom Women's Facility (FWF)	199	403	49.4	530
High Desert State Prison (HDSP)	2,233	2,324	96.1	2,711
Ironwood State Prison (ISP)	2,147	2,200	97.6	3,300
Kern Valley State Prison (KVSP)	3,306	2,448	135.0	3,622
California State Prison, Los Angeles County (LAC)	2,753	2,300	119.7	3,400
Mule Creek State Prison (MCSP)	3,767	3,284	114.7	4,255
North Kern State Prison (NKSP)	3,794	2,694	140.8	4,011
Pelican Bay State Prison (PBSP)	1,932	2,380	81.2	3,361
Pleasant Valley State Prison (PVSP)	2,525	2,308	109.4	3,433
RJ Donovan Correctional Facility (RJD)	3,353	2,992	112.1	4,234
California State Prison, Sacramento (SAC)	1,825	1,828	99.8	2,577
California Substance Abuse Treatment Facility (SATF)	4,859	3,424	141.9	5,227
Sierra Conservation Center (SCC)	3,014	3,404	88.5	4,250
California State Prison, Solano (SOL)	3,248	2,594	125.2	4,092
San Quentin State Prison (SQ)	3,066	3,084	99.4	4,161
Salinas Valley State Prison (SVSP)	2,969	2,452	121.1	3,509
Valley State Prison (VSP)	2,902	1,961	148.0	2,942
Wasco State Prison (WSP)	3,627	2,984	121.5	4,447
Institution Total	93,770	85,330	109.9	120,085

Monthly Report of Population
As of Midnight February 28, 2022

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Avenal State Prison (ASP)	3,742	2,909	128.6	4,493
Calipatria State Prison (CAL)	2,719	2,308	117.8	3,451
California Correctional Center (CCC)	1,630	3,377	48.3	3,487
California Correctional Institution (CCI)	3,126	2,172	143.9	3,389
Central California Women's Facility (CCWF)	2,120	1,990	106.5	3,068
Centinela State Prison (CEN)	2,863	2,308	124.0	3,446
California Health Care Facility - Stockton (CHCF)	2,140	2,953	72.5	2,951
California Institution for Men (CIM)	2,523	2,736	92.2	4,226
California Institution for Women (CIW)	1,006	1,281	78.5	1,777
California Men's Colony (CMC)	3,198	3,816	83.8	4,407
California Medical Facility (CMF)	1,918	2,318	82.7	2,888
California State Prison, Corcoran (COR)	3,444	3,115	110.6	4,476
California Rehabilitation Center (CRC)	2,384	2,380	100.2	3,174
Correctional Training Facility (CTF)	4,081	2,800	145.8	4,323
Chuckawalla Valley State Prison (CVSP)	2,402	1,738	138.2	2,804
Folsom State Prison (FOL)	2,682	2,065	129.9	3,078
Folsom Women's Facility (FWF)	189	403	46.9	530
High Desert State Prison (HDSP)	2,225	2,324	95.7	2,711
Ironwood State Prison (ISP)	2,077	2,200	94.4	3,300
Kern Valley State Prison (KVSP)	3,328	2,448	135.9	3,622
California State Prison, Los Angeles County (LAC)	2,739	2,300	119.1	3,400
Mule Creek State Prison (MCSP)	3,760	3,284	114.5	4,255
North Kern State Prison (NKSP)	3,515	2,694	130.5	4,011
Pelican Bay State Prison (PBSP)	1,916	2,380	80.5	3,361
Pleasant Valley State Prison (PVSP)	2,519	2,308	109.1	3,433
RJ Donovan Correctional Facility (RJD)	3,331	2,992	111.3	4,234
California State Prison, Sacramento (SAC)	1,786	1,828	97.7	2,577
California Substance Abuse Treatment Facility (SATF)	4,791	3,424	139.9	5,227
Sierra Conservation Center (SCC)	2,950	3,404	86.7	4,250
California State Prison, Solano (SOL)	3,192	2,594	123.1	4,092
San Quentin State Prison (SQ)	3,046	3,084	98.8	4,161
Salinas Valley State Prison (SVSP)	2,958	2,452	120.6	3,509
Valley State Prison (VSP)	2,908	1,961	148.3	2,942
Wasco State Prison (WSP)	3,181	2,984	106.6	4,447
Institution Total	92,389	85,330	108.3	119,500

Monthly Report of Population
As of Midnight March 31, 2022

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Avenal State Prison (ASP)	3,831	2,909	131.7	4,492
Calipatria State Prison (CAL)	2,737	2,308	118.6	3,451
California Correctional Center (CCC)	1,649	3,377	48.8	3,487
California Correctional Institution (CCI)	3,121	2,172	143.7	3,389
Central California Women's Facility (CCWF)	2,241	1,990	112.6	3,068
Centinela State Prison (CEN)	2,952	2,308	127.9	3,446
California Health Care Facility - Stockton (CHCF)	2,189	2,953	74.1	2,951
California Institution for Men (CIM)	2,544	2,736	93.0	4,226
California Institution for Women (CIW)	990	1,281	77.3	1,777
California Men's Colony (CMC)	3,197	3,816	83.8	4,407
California Medical Facility (CMF)	1,910	2,318	82.4	2,888
California State Prison, Corcoran (COR)	3,424	3,115	109.9	4,476
California Rehabilitation Center (CRC)	2,297	2,380	96.5	3,174
Correctional Training Facility (CTF)	4,039	2,800	144.3	4,308
Chuckawalla Valley State Prison (CVSP)	2,400	1,738	138.1	2,804
Folsom State Prison (FOL)	2,743	2,065	132.8	3,078
Folsom Women's Facility (FWF)	182	403	45.2	530
High Desert State Prison (HDSP)	2,253	2,324	96.9	2,711
Ironwood State Prison (ISP)	2,062	2,200	93.7	3,300
Kern Valley State Prison (KVSP)	3,252	2,448	132.8	3,622
California State Prison, Los Angeles County (LAC)	2,743	2,300	119.3	3,400
Mule Creek State Prison (MCSP)	3,805	3,284	115.9	4,255
North Kern State Prison (NKSP)	3,719	2,694	138.0	4,011
Pelican Bay State Prison (PBSP)	1,852	2,380	77.8	3,361
Pleasant Valley State Prison (PVSP)	2,635	2,308	114.2	3,433
RJ Donovan Correctional Facility (RJD)	3,370	2,992	112.6	4,234
California State Prison, Sacramento (SAC)	1,743	1,828	95.4	2,577
California Substance Abuse Treatment Facility (SATF)	4,731	3,424	138.2	5,227
Sierra Conservation Center (SCC)	2,903	3,404	85.3	4,250
California State Prison, Solano (SOL)	3,212	2,594	123.8	4,092
San Quentin State Prison (SQ)	3,040	3,084	98.6	4,161
Salinas Valley State Prison (SVSP)	2,859	2,452	116.6	3,509
Valley State Prison (VSP)	2,941	1,961	150.0	2,942
Wasco State Prison (WSP)	3,280	2,984	109.9	4,447
Institution Total	92,846	85,330	108.8	119,484

Monthly Report of Population
As of Midnight April 30, 2022

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Avenal State Prison (ASP)	3,907	2,909	134.3	4,387
Calipatria State Prison (CAL)	2,657	2,308	115.1	3,451
California Correctional Center (CCC)	1,752	3,377	51.9	3,427
California Correctional Institution (CCI)	3,118	2,172	143.6	3,299
Central California Women's Facility (CCWF)	2,204	1,990	110.8	3,068
Centinela State Prison (CEN)	2,903	2,308	125.8	3,446
California Health Care Facility - Stockton (CHCF)	2,182	2,953	73.9	2,951
California Institution for Men (CIM)	2,672	2,736	97.7	4,226
California Institution for Women (CIW)	1,002	1,281	78.2	1,777
California Men's Colony (CMC)	3,314	3,816	86.8	4,407
California Medical Facility (CMF)	1,950	2,318	84.1	2,888
California State Prison, Corcoran (COR)	3,419	3,115	109.8	4,476
California Rehabilitation Center (CRC)	2,308	2,380	97.0	3,162
Correctional Training Facility (CTF)	3,983	2,800	142.3	4,138
Chuckawalla Valley State Prison (CVSP)	2,348	1,738	135.1	2,598
Folsom State Prison (FOL)	2,731	2,065	132.3	3,078
Folsom Women's Facility (FWF)	216	403	53.6	530
High Desert State Prison (HDSP)	2,363	2,324	101.7	2,711
Ironwood State Prison (ISP)	1,992	2,200	90.5	3,300
Kern Valley State Prison (KVSP)	3,195	2,448	130.5	3,622
California State Prison, Los Angeles County (LAC)	2,640	2,300	114.8	3,275
Mule Creek State Prison (MCSP)	3,842	3,284	117.0	4,105
North Kern State Prison (NKSP)	4,075	2,694	151.3	4,011
Pelican Bay State Prison (PBSP)	1,817	2,380	76.3	3,361
Pleasant Valley State Prison (PVSP)	2,560	2,308	110.9	3,433
RJ Donovan Correctional Facility (RJD)	3,340	2,992	111.6	4,086
California State Prison, Sacramento (SAC)	1,915	1,828	104.8	2,577
California Substance Abuse Treatment Facility (SATF)	4,443	3,424	129.8	5,111
Sierra Conservation Center (SCC)	2,659	3,404	78.1	4,250
California State Prison, Solano (SOL)	3,243	2,594	125.0	3,882
San Quentin State Prison (SQ)	3,158	3,084	102.4	3,984
Salinas Valley State Prison (SVSP)	2,862	2,452	116.7	3,509
Valley State Prison (VSP)	2,947	1,961	150.3	2,942
Wasco State Prison (WSP)	3,677	2,984	123.2	4,447
Institution Total	93,394	85,330	109.5	117,915

Monthly Report of Population
As of Midnight May 31, 2022

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Avenal State Prison (ASP)	4,030	2,909	138.5	4,387
Calipatria State Prison (CAL)	2,667	2,308	115.6	3,451
California Correctional Center (CCC)	2,057	3,377	60.9	3,487
California Correctional Institution (CCI)	3,033	2,172	139.6	3,299
Central California Women's Facility (CCWF)	2,166	1,990	108.8	3,068
Centinela State Prison (CEN)	2,925	2,308	126.7	3,446
California Health Care Facility - Stockton (CHCF)	2,212	2,953	74.9	2,951
California Institution for Men (CIM)	2,956	2,736	108.0	4,226
California Institution for Women (CIW)	995	1,281	77.7	1,777
California Men's Colony (CMC)	3,416	3,816	89.5	4,407
California Medical Facility (CMF)	1,923	2,318	83.0	2,888
California State Prison, Corcoran (COR)	3,440	3,115	110.4	4,476
California Rehabilitation Center (CRC)	2,252	2,380	94.6	3,162
Correctional Training Facility (CTF)	4,036	2,800	144.1	4,205
Chuckawalla Valley State Prison (CVSP)	2,298	1,738	132.2	2,598
Folsom State Prison (FOL)	2,779	2,065	134.6	3,078
Folsom Women's Facility (FWF)	272	403	67.5	530
High Desert State Prison (HDSP)	2,168	2,324	93.3	2,411
Ironwood State Prison (ISP)	2,051	2,200	93.2	3,300
Kern Valley State Prison (KVSP)	3,080	2,448	125.8	3,622
California State Prison, Los Angeles County (LAC)	2,592	2,300	112.7	2,975
Mule Creek State Prison (MCSP)	3,816	3,284	116.2	4,155
North Kern State Prison (NKSP)	4,181	2,694	155.2	4,011
Pelican Bay State Prison (PBSP)	1,723	2,380	72.4	3,375
Pleasant Valley State Prison (PVSP)	2,589	2,308	112.2	3,433
RJ Donovan Correctional Facility (RJD)	3,214	2,992	107.4	4,086
California State Prison, Sacramento (SAC)	1,979	1,828	108.3	2,577
California Substance Abuse Treatment Facility (SATF)	4,435	3,424	129.5	5,111
Sierra Conservation Center (SCC)	2,600	3,404	76.4	4,250
California State Prison, Solano (SOL)	3,280	2,594	126.4	3,882
San Quentin State Prison (SQ)	3,222	3,084	104.5	3,984
Salinas Valley State Prison (SVSP)	2,868	2,452	117.0	3,209
Valley State Prison (VSP)	2,965	1,961	151.2	2,942
Wasco State Prison (WSP)	3,711	2,984	124.4	4,447
Institution Total	93,931	85,330	110.1	117,206

Monthly Report of Population
As of Midnight June 30, 2022

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Avenal State Prison (ASP)	4,072	2,909	140.0	4,387
Calipatria State Prison (CAL)	2,623	2,308	113.6	3,451
California Correctional Center (CCC)	2,285	3,377	67.7	3,487
California Correctional Institution (CCI)	3,012	2,172	138.7	3,299
Central California Women's Facility (CCWF)	2,097	1,990	105.4	3,068
Centinela State Prison (CEN)	2,932	2,308	127.0	3,446
California Health Care Facility - Stockton (CHCF)	2,206	2,953	74.7	2,951
California Institution for Men (CIM)	3,034	2,736	110.9	4,226
California Institution for Women (CIW)	950	1,281	74.2	1,777
California Men's Colony (CMC)	3,466	3,816	90.8	4,407
California Medical Facility (CMF)	1,921	2,318	82.9	2,888
California State Prison, Corcoran (COR)	3,427	3,115	110.0	4,476
California Rehabilitation Center (CRC)	2,289	2,380	96.2	3,162
Correctional Training Facility (CTF)	4,132	2,800	147.6	4,205
Chuckawalla Valley State Prison (CVSP)	2,230	1,738	128.3	2,598
Folsom State Prison (FOL)	2,739	2,065	132.6	3,078
Folsom Women's Facility (FWF)	274	403	68.0	530
High Desert State Prison (HDSP)	1,931	2,324	83.1	2,411
Ironwood State Prison (ISP)	2,341	2,200	106.4	3,300
Kern Valley State Prison (KVSP)	2,973	2,448	121.4	3,497
California State Prison, Los Angeles County (LAC)	2,328	2,300	101.2	2,975
Mule Creek State Prison (MCSP)	3,827	3,284	116.5	4,205
North Kern State Prison (NKSP)	4,134	2,694	153.5	4,011
Pelican Bay State Prison (PBSP)	1,670	2,380	70.2	3,375
Pleasant Valley State Prison (PVSP)	2,695	2,308	116.8	3,433
RJ Donovan Correctional Facility (RJD)	3,092	2,992	103.3	4,186
California State Prison, Sacramento (SAC)	2,067	1,828	113.1	2,577
California Substance Abuse Treatment Facility (SATF)	4,542	3,424	132.7	5,111
Sierra Conservation Center (SCC)	2,603	3,404	76.5	4,250
California State Prison, Solano (SOL)	3,334	2,594	128.5	3,992
San Quentin State Prison (SQ)	3,273	3,084	106.1	3,984
Salinas Valley State Prison (SVSP)	2,912	2,452	118.8	3,209
Valley State Prison (VSP)	3,015	1,961	153.7	2,942
Wasco State Prison (WSP)	3,579	2,984	119.9	4,447
Institution Total	94,005	85,330	110.2	117,341

Monthly Report of Population
As of Midnight July 31, 2022

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Avenal State Prison (ASP)	4,062	2,909	139.6	4,387
Calipatria State Prison (CAL)	2,543	2,308	110.2	3,451
California Correctional Center (CCC)	2,308	3,377	68.3	3,487
California Correctional Institution (CCI)	2,962	2,172	136.4	3,299
Central California Women's Facility (CCWF)	2,178	1,990	109.4	3,068
Centinela State Prison (CEN)	2,906	2,308	125.9	3,446
California Health Care Facility - Stockton (CHCF)	2,228	2,953	75.4	2,951
California Institution for Men (CIM)	3,135	2,736	114.6	4,076
California Institution for Women (CIW)	940	1,281	73.4	1,777
California Men's Colony (CMC)	3,414	3,816	89.5	4,407
California Medical Facility (CMF)	1,887	2,318	81.4	2,888
California State Prison, Corcoran (COR)	3,440	3,115	110.4	4,476
California Rehabilitation Center (CRC)	2,322	2,380	97.6	3,162
Correctional Training Facility (CTF)	4,076	2,800	145.6	4,205
Chuckawalla Valley State Prison (CVSP)	2,176	1,738	125.2	2,598
Folsom State Prison (FOL)	2,664	2,065	129.0	3,078
Folsom Women's Facility (FWF)	243	403	60.3	530
High Desert State Prison (HDSP)	1,823	2,324	78.4	2,411
Ironwood State Prison (ISP)	2,464	2,200	112.0	3,300
Kern Valley State Prison (KVSP)	2,907	2,448	118.8	3,497
California State Prison, Los Angeles County (LAC)	2,322	2,300	101.0	2,975
Mule Creek State Prison (MCSP)	3,785	3,284	115.3	4,205
North Kern State Prison (NKSP)	4,100	2,694	152.2	4,011
Pelican Bay State Prison (PBSP)	1,654	2,380	69.5	3,375
Pleasant Valley State Prison (PVSP)	2,688	2,308	116.5	3,433
RJ Donovan Correctional Facility (RJD)	3,074	2,992	102.7	4,234
California State Prison, Sacramento (SAC)	2,031	1,828	111.1	2,577
California Substance Abuse Treatment Facility (SATF)	4,603	3,424	134.4	5,111
Sierra Conservation Center (SCC)	2,528	3,404	74.3	4,250
California State Prison, Solano (SOL)	3,255	2,594	125.5	3,992
San Quentin State Prison (SQ)	3,239	3,084	105.0	4,033
Salinas Valley State Prison (SVSP)	2,941	2,452	119.9	3,209
Valley State Prison (VSP)	3,014	1,961	153.7	2,942
Wasco State Prison (WSP)	3,667	2,984	122.9	4,447
Institution Total	93,579	85,330	109.7	117,288

Monthly Report of Population
As of Midnight August 31, 2022

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Avenal State Prison (ASP)	4,082	2,909	140.3	4,387
Calipatria State Prison (CAL)	2,550	2,308	110.5	3,451
California Correctional Center (CCC)	2,341	3,377	69.3	3,475
California Correctional Institution (CCI)	2,918	2,172	134.3	3,255
Central California Women's Facility (CCWF)	2,211	1,990	111.1	3,067
Centinela State Prison (CEN)	2,941	2,308	127.4	3,446
California Health Care Facility - Stockton (CHCF)	2,278	2,953	77.1	2,953
California Institution for Men (CIM)	3,230	2,736	118.1	3,773
California Institution for Women (CIW)	907	1,281	70.8	1,777
California Men's Colony (CMC)	3,392	3,816	88.9	4,412
California Medical Facility (CMF)	1,880	2,318	81.1	2,810
California State Prison, Corcoran (COR)	3,396	3,115	109.0	4,501
California Rehabilitation Center (CRC)	2,450	2,380	102.9	3,501
Correctional Training Facility (CTF)	4,014	2,800	143.4	4,049
Chuckawalla Valley State Prison (CVSP)	2,163	1,738	124.5	2,617
Folsom State Prison (FOL)	2,571	2,065	124.5	3,019
Folsom Women's Facility (FWF)	204	403	50.6	530
High Desert State Prison (HDSP)	1,779	2,324	76.5	2,385
Ironwood State Prison (ISP)	2,561	2,200	116.4	3,300
Kern Valley State Prison (KVSP)	2,817	2,448	115.1	3,497
California State Prison, Los Angeles County (LAC)	2,345	2,300	102.0	3,100
Mule Creek State Prison (MCSP)	3,767	3,284	114.7	4,205
North Kern State Prison (NKSP)	3,850	2,694	142.9	4,011
Pelican Bay State Prison (PBSP)	1,664	2,380	69.9	3,151
Pleasant Valley State Prison (PVSP)	2,738	2,308	118.6	3,433
RJ Donovan Correctional Facility (RJD)	3,002	2,992	100.3	4,234
California State Prison, Sacramento (SAC)	2,032	1,828	111.2	2,547
California Substance Abuse Treatment Facility (SATF)	4,671	3,424	136.4	5,111
Sierra Conservation Center (SCC)	2,666	3,404	78.3	4,236
California State Prison, Solano (SOL)	3,265	2,594	125.9	3,992
San Quentin State Prison (SQ)	3,191	3,084	103.5	3,997
Salinas Valley State Prison (SVSP)	2,964	2,452	120.9	3,209
Valley State Prison (VSP)	3,052	1,961	155.6	3,022
Wasco State Prison (WSP)	3,446	2,984	115.5	4,447
Institution Total	93,338	85,330	109.4	116,900

Monthly Report of Population
As of Midnight September 30, 2022

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Avenal State Prison (ASP)	4,140	2,909	142.3	4,387
Calipatria State Prison (CAL)	2,554	2,308	110.7	3,451
California Correctional Center (CCC)	2,224	3,377	65.9	3,415
California Correctional Institution (CCI)	2,917	2,172	134.3	3,255
Central California Women's Facility (CCWF)	2,209	1,990	111.0	2,987
Centinela State Prison (CEN)	3,089	2,308	133.8	3,446
California Health Care Facility - Stockton (CHCF)	2,291	2,953	77.6	2,953
California Institution for Men (CIM)	3,300	2,736	120.6	3,773
California Institution for Women (CIW)	892	1,281	69.6	1,777
California Men's Colony (CMC)	3,360	3,816	88.1	4,480
California Medical Facility (CMF)	1,885	2,318	81.3	2,810
California State Prison, Corcoran (COR)	3,380	3,115	108.5	4,502
California Rehabilitation Center (CRC)	2,632	2,380	110.6	3,501
Correctional Training Facility (CTF)	3,984	2,800	142.3	3,993
Chuckawalla Valley State Prison (CVSP)	2,113	1,738	121.6	2,617
Folsom State Prison (FOL)	2,564	2,065	124.2	3,021
Folsom Women's Facility (FWF)	182	403	45.2	530
High Desert State Prison (HDSP)	1,725	2,324	74.2	2,411
Ironwood State Prison (ISP)	2,591	2,200	117.8	3,275
Kern Valley State Prison (KVSP)	2,617	2,448	106.9	3,497
California State Prison, Los Angeles County (LAC)	2,354	2,300	102.3	3,100
Mule Creek State Prison (MCSP)	3,773	3,284	114.9	4,105
North Kern State Prison (NKSP)	3,873	2,694	143.8	4,011
Pelican Bay State Prison (PBSP)	1,737	2,380	73.0	3,151
Pleasant Valley State Prison (PVSP)	2,747	2,308	119.0	3,433
RJ Donovan Correctional Facility (RJD)	3,015	2,992	100.8	4,038
California State Prison, Sacramento (SAC)	1,942	1,828	106.2	2,259
California Substance Abuse Treatment Facility (SATF)	4,725	3,424	138.0	5,111
Sierra Conservation Center (SCC)	2,771	3,404	81.4	4,236
California State Prison, Solano (SOL)	3,314	2,594	127.8	3,882
San Quentin State Prison (SQ)	3,154	3,084	102.3	3,997
Salinas Valley State Prison (SVSP)	2,943	2,452	120.0	3,209
Valley State Prison (VSP)	3,025	1,961	154.3	2,942
Wasco State Prison (WSP)	3,158	2,984	105.8	4,447
Institution Total	93,180	85,330	109.2	116,002

Monthly Report of Population
As of Midnight October 31, 2022

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Avenal State Prison (ASP)	4,080	2,909	140.3	4,359
Calipatria State Prison (CAL)	2,534	2,308	109.8	3,433
California Correctional Center (CCC)	38	3,377	1.1	298
California Correctional Institution (CCI)	2,848	2,172	131.1	3,239
Central California Women's Facility (CCWF)	2,140	1,990	107.5	2,949
Centinela State Prison (CEN)	3,032	2,308	131.4	3,433
California Health Care Facility - Stockton (CHCF)	2,311	2,953	78.3	2,953
California Institution for Men (CIM)	3,157	2,736	115.4	3,695
California Institution for Women (CIW)	923	1,281	72.1	1,743
California Men's Colony (CMC)	3,285	3,816	86.1	4,430
California Medical Facility (CMF)	1,898	2,318	81.9	2,760
California State Prison, Corcoran (COR)	3,286	3,115	105.5	4,502
California Rehabilitation Center (CRC)	2,637	2,380	110.8	3,491
Correctional Training Facility (CTF)	3,936	2,800	140.6	3,981
Chuckawalla Valley State Prison (CVSP)	2,078	1,738	119.6	2,603
Folsom State Prison (FOL)	2,510	2,065	121.5	3,021
Folsom Women's Facility (FWF)	182	403	45.2	530
High Desert State Prison (HDSP)	2,340	2,324	100.7	3,161
Ironwood State Prison (ISP)	2,630	2,200	119.5	3,275
Kern Valley State Prison (KVSP)	2,541	2,448	103.8	3,497
California State Prison, Los Angeles County (LAC)	2,377	2,300	103.3	3,100
Mule Creek State Prison (MCSP)	3,791	3,284	115.4	4,105
North Kern State Prison (NKSP)	4,121	2,694	153.0	4,011
Pelican Bay State Prison (PBSP)	1,759	2,380	73.9	3,151
Pleasant Valley State Prison (PVSP)	2,695	2,308	116.8	3,433
RJ Donovan Correctional Facility (RJD)	3,022	2,992	101.0	4,038
California State Prison, Sacramento (SAC)	1,917	1,828	104.9	2,259
California Substance Abuse Treatment Facility (SATF)	4,698	3,424	137.2	5,111
Sierra Conservation Center (SCC)	3,796	3,404	111.5	5,726
California State Prison, Solano (SOL)	3,329	2,594	128.3	3,866
San Quentin State Prison (SQ)	3,256	3,084	105.6	3,985
Salinas Valley State Prison (SVSP)	2,947	2,452	120.2	3,209
Valley State Prison (VSP)	2,990	1,961	152.5	2,931
Wasco State Prison (WSP)	3,711	2,984	124.4	4,447
Institution Total	92,795	85,330	108.7	114,725

Monthly Report of Population
As of Midnight November 30, 2022

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Avenal State Prison (ASP)	4,355	2,909	149.7	4,359
Calipatria State Prison (CAL)	2,505	2,308	108.5	3,433
California Correctional Institution (CCI)	2,762	2,172	127.2	3,239
Central California Women's Facility (CCWF)	2,130	1,990	107.0	2,949
Centinela State Prison (CEN)	2,962	2,308	128.3	3,433
California Health Care Facility - Stockton (CHCF)	2,331	2,953	78.9	2,953
California Institution for Men (CIM)	2,979	2,736	108.9	3,695
California Institution for Women (CIW)	934	1,281	72.9	1,743
California Men's Colony (CMC)	3,180	3,816	83.3	4,430
California Medical Facility (CMF)	1,889	2,318	81.5	2,760
California State Prison, Corcoran (COR)	3,229	3,115	103.7	4,502
California Rehabilitation Center (CRC)	3,024	2,380	127.1	3,491
Correctional Training Facility (CTF)	3,867	2,800	138.1	4,161
Chuckawalla Valley State Prison (CVSP)	2,041	1,738	117.4	2,603
Folsom State Prison (FOL)	2,486	2,065	120.4	3,021
Folsom Women's Facility (FWF)	213	403	52.9	530
High Desert State Prison (HDSP)	2,291	2,324	98.6	3,474
Ironwood State Prison (ISP)	2,578	2,200	117.2	3,275
Kern Valley State Prison (KVSP)	2,465	2,448	100.7	3,497
California State Prison, Los Angeles County (LAC)	2,421	2,300	105.3	3,100
Mule Creek State Prison (MCSP)	3,801	3,284	115.7	4,105
North Kern State Prison (NKSP)	4,071	2,694	151.1	4,011
Pelican Bay State Prison (PBSP)	1,790	2,380	75.2	3,151
Pleasant Valley State Prison (PVSP)	2,627	2,308	113.8	3,433
RJ Donovan Correctional Facility (RJD)	3,008	2,992	100.5	4,038
California State Prison, Sacramento (SAC)	1,883	1,828	103.0	2,259
California Substance Abuse Treatment Facility (SATF)	4,707	3,424	137.5	5,111
Sierra Conservation Center (SCC)	3,886	3,404	114.2	5,704
California State Prison, Solano (SOL)	3,314	2,594	127.8	3,866
San Quentin State Prison (SQ)	3,274	3,084	106.2	3,985
Salinas Valley State Prison (SVSP)	2,968	2,452	121.0	3,209
Valley State Prison (VSP)	2,936	1,961	149.7	2,931
Wasco State Prison (WSP)	3,713	2,984	124.4	4,447
Institution Total	92,620	85,330	108.5	114,898

Design capacity for California Correctional Center will be included until the June 2023 closure date.

Monthly Report of Population
As of Midnight December 31, 2022

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Avenal State Prison (ASP)	4,025	2,909	138.4	4,359
Calipatria State Prison (CAL)	2,531	2,308	109.7	3,433
California Correctional Institution (CCI)	2,681	2,172	123.4	3,239
Central California Women's Facility (CCWF)	2,253	1,990	113.2	2,949
Centinela State Prison (CEN)	2,877	2,308	124.7	3,433
California Health Care Facility - Stockton (CHCF)	2,373	2,953	80.4	2,953
California Institution for Men (CIM)	3,007	2,736	109.9	3,695
California Institution for Women (CIW)	928	1,281	72.4	1,743
California Men's Colony (CMC)	3,232	3,816	84.7	4,430
California Medical Facility (CMF)	1,880	2,318	81.1	2,760
California State Prison, Corcoran (COR)	3,348	3,115	107.5	4,502
California Rehabilitation Center (CRC)	2,809	2,380	118.0	3,491
Correctional Training Facility (CTF)	3,860	2,800	137.9	4,125
Chuckawalla Valley State Prison (CVSP)	2,090	1,738	120.3	2,603
Folsom State Prison (FOL)	2,404	2,065	116.4	3,021
Folsom Women's Facility (FWF)	81	403	20.1	530
High Desert State Prison (HDSP)	2,362	2,324	101.6	3,474
Ironwood State Prison (ISP)	2,568	2,200	116.7	3,275
Kern Valley State Prison (KVSP)	2,418	2,448	98.8	3,497
California State Prison, Los Angeles County (LAC)	2,472	2,300	107.5	3,100
Mule Creek State Prison (MCSP)	3,810	3,284	116.0	4,105
North Kern State Prison (NKSP)	4,304	2,694	159.8	4,011
Pelican Bay State Prison (PBSP)	1,744	2,380	73.3	3,151
Pleasant Valley State Prison (PVSP)	2,578	2,308	111.7	3,433
RJ Donovan Correctional Facility (RJD)	2,975	2,992	99.4	4,038
California State Prison, Sacramento (SAC)	1,735	1,828	94.9	2,259
California Substance Abuse Treatment Facility (SATF)	4,684	3,424	136.8	5,111
Sierra Conservation Center (SCC)	4,213	3,404	123.8	5,704
California State Prison, Solano (SOL)	3,296	2,594	127.1	3,866
San Quentin State Prison (SQ)	3,295	3,084	106.8	3,985
Salinas Valley State Prison (SVSP)	2,969	2,452	121.1	3,209
Valley State Prison (VSP)	2,922	1,961	149.0	2,931
Wasco State Prison (WSP)	3,882	2,984	130.1	4,447
Institution Total	92,606	85,330	108.5	114,862

Design capacity for California Correctional Center will be included until the June 2023 closure date.

Monthly Report of Population
As of Midnight January 31, 2023

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Avenal State Prison (ASP)	4,062	2,909	139.6	4,359
Calipatria State Prison (CAL)	2,500	2,308	108.3	3,433
California Correctional Institution (CCI)	2,611	2,172	120.2	3,239
Central California Women's Facility (CCWF)	2,279	1,990	114.5	2,949
Centinela State Prison (CEN)	2,773	2,308	120.1	3,433
California Health Care Facility - Stockton (CHCF)	2,401	2,953	81.3	2,953
California Institution for Men (CIM)	2,867	2,736	104.8	3,695
California Institution for Women (CIW)	983	1,281	76.7	1,743
California Men's Colony (CMC)	3,254	3,816	85.3	4,430
California Medical Facility (CMF)	1,910	2,318	82.4	2,760
California State Prison, Corcoran (COR)	3,443	3,115	110.5	4,502
California Rehabilitation Center (CRC)	3,029	2,380	127.3	3,491
Correctional Training Facility (CTF)	3,927	2,800	140.3	4,125
Chuckawalla Valley State Prison (CVSP)	1,731	1,738	99.6	2,603
Folsom State Prison (FOL)	2,513	2,065	121.7	3,021
High Desert State Prison (HDSP)	2,083	2,324	89.6	3,474
Ironwood State Prison (ISP)	2,601	2,200	118.2	3,275
Kern Valley State Prison (KVSP)	2,431	2,448	99.3	3,497
California State Prison, Los Angeles County (LAC)	2,503	2,300	108.8	3,100
Mule Creek State Prison (MCSP)	3,824	3,284	116.4	4,105
North Kern State Prison (NKSP)	4,380	2,694	162.6	4,011
Pelican Bay State Prison (PBSP)	1,711	2,380	71.9	3,151
Pleasant Valley State Prison (PVSP)	2,562	2,308	111.0	3,433
RJ Donovan Correctional Facility (RJD)	2,920	2,992	97.6	4,038
California State Prison, Sacramento (SAC)	1,585	1,828	86.7	2,259
California Substance Abuse Treatment Facility (SATF)	4,650	3,424	135.8	5,111
Sierra Conservation Center (SCC)	4,461	3,404	131.1	5,804
California State Prison, Solano (SOL)	3,326	2,594	128.2	3,866
San Quentin State Prison (SQ)	3,542	3,084	114.9	3,985
Salinas Valley State Prison (SVSP)	2,934	2,452	119.7	3,209
Valley State Prison (VSP)	2,973	1,961	151.6	2,931
Wasco State Prison (WSP)	3,698	2,984	123.9	4,447
Institution Total	92,467	85,330	108.4	114,432

Design capacity for California Correctional Center will be included until the June 2023 closure date.

Monthly Report of Population
As of Midnight February 28, 2023

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Avenal State Prison (ASP)	4,195	2,909	144.2	4,359
Calipatria State Prison (CAL)	2,453	2,308	106.3	3,433
California Correctional Institution (CCI)	2,533	2,172	116.6	3,239
Central California Women's Facility (CCWF)	2,334	1,990	117.3	2,949
Centinela State Prison (CEN)	2,664	2,308	115.4	3,433
California Health Care Facility - Stockton (CHCF)	2,429	2,953	82.3	2,953
California Institution for Men (CIM)	2,718	2,736	99.3	3,695
California Institution for Women (CIW)	970	1,281	75.7	1,743
California Men's Colony (CMC)	3,359	3,816	88.0	4,430
California Medical Facility (CMF)	1,905	2,318	82.2	2,760
California State Prison, Corcoran (COR)	3,423	3,115	109.9	4,502
California Rehabilitation Center (CRC)	2,920	2,380	122.7	3,491
Correctional Training Facility (CTF)	3,955	2,800	141.3	4,125
Chuckawalla Valley State Prison (CVSP)	1,834	1,738	105.5	2,603
Folsom State Prison (FOL)	2,657	2,065	128.7	3,021
High Desert State Prison (HDSP)	1,981	2,324	85.2	3,474
Ironwood State Prison (ISP)	2,620	2,200	119.1	3,275
Kern Valley State Prison (KVSP)	2,420	2,448	98.9	3,497
California State Prison, Los Angeles County (LAC)	2,513	2,300	109.3	3,100
Mule Creek State Prison (MCSP)	3,850	3,284	117.2	4,105
North Kern State Prison (NKSP)	4,205	2,694	156.1	4,011
Pelican Bay State Prison (PBSP)	1,686	2,380	70.8	3,151
Pleasant Valley State Prison (PVSP)	2,514	2,308	108.9	3,433
RJ Donovan Correctional Facility (RJD)	2,936	2,992	98.1	4,038
California State Prison, Sacramento (SAC)	1,535	1,828	84.0	2,259
California Substance Abuse Treatment Facility (SATF)	4,638	3,424	135.5	5,111
Sierra Conservation Center (SCC)	4,431	3,404	130.2	5,804
California State Prison, Solano (SOL)	3,323	2,594	128.1	3,866
San Quentin State Prison (SQ)	3,743	3,084	121.4	3,985
Salinas Valley State Prison (SVSP)	2,958	2,452	120.6	3,209
Valley State Prison (VSP)	2,987	1,961	152.3	2,931
Wasco State Prison (WSP)	3,750	2,984	125.7	4,447
Institution Total	92,439	85,330	108.3	114,432

Design capacity for California Correctional Center will be included until the June 2023 closure date.

Monthly Report of Population
As of Midnight March 31, 2023

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Avenal State Prison (ASP)	4,364	2,909	150.0	4,359
Calipatria State Prison (CAL)	2,503	2,308	108.4	3,433
California Correctional Institution (CCI)	2,347	2,172	108.1	3,239
Central California Women's Facility (CCWF)	2,316	1,990	116.4	2,949
Centinela State Prison (CEN)	2,553	2,308	110.6	3,433
California Health Care Facility - Stockton (CHCF)	2,477	2,953	83.9	2,953
California Institution for Men (CIM)	2,364	2,736	86.4	3,695
California Institution for Women (CIW)	965	1,281	75.3	1,743
California Men's Colony (CMC)	3,316	3,816	86.9	4,430
California Medical Facility (CMF)	1,919	2,318	82.8	2,760
California State Prison, Corcoran (COR)	3,406	3,115	109.3	4,502
California Rehabilitation Center (CRC)	2,931	2,380	123.2	3,491
Correctional Training Facility (CTF)	3,995	2,800	142.7	4,125
Chuckawalla Valley State Prison (CVSP)	1,858	1,738	106.9	2,603
Folsom State Prison (FOL)	2,837	2,065	137.4	3,021
High Desert State Prison (HDSP)	2,317	2,324	99.7	3,474
Ironwood State Prison (ISP)	2,695	2,200	122.5	3,275
Kern Valley State Prison (KVSP)	2,525	2,448	103.1	3,497
California State Prison, Los Angeles County (LAC)	2,568	2,300	111.7	3,100
Mule Creek State Prison (MCSP)	3,835	3,284	116.8	4,105
North Kern State Prison (NKSP)	4,221	2,694	156.7	4,011
Pelican Bay State Prison (PBSP)	1,643	2,380	69.0	3,151
Pleasant Valley State Prison (PVSP)	2,638	2,308	114.3	3,433
RJ Donovan Correctional Facility (RJD)	2,903	2,992	97.0	4,038
California State Prison, Sacramento (SAC)	1,460	1,828	79.9	2,259
California Substance Abuse Treatment Facility (SATF)	4,692	3,424	137.0	5,111
Sierra Conservation Center (SCC)	4,182	3,404	122.9	5,804
California State Prison, Solano (SOL)	3,299	2,594	127.2	3,866
San Quentin State Prison (SQ)	4,024	3,084	130.5	3,985
Salinas Valley State Prison (SVSP)	2,895	2,452	118.1	3,209
Valley State Prison (VSP)	2,963	1,961	151.1	2,931
Wasco State Prison (WSP)	3,742	2,984	125.4	4,447
Institution Total	92,753	85,330	108.7	114,432

Design capacity for California Correctional Center will be included until the June 2023 closure date.

Monthly Report of Population
As of Midnight April 30, 2023

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Avenal State Prison (ASP)	4,494	2,909	154.5	4,359
Calipatria State Prison (CAL)	2,488	2,308	107.8	3,433
California Correctional Institution (CCI)	2,149	2,172	98.9	3,239
Central California Women's Facility (CCWF)	2,342	1,990	117.7	2,952
Centinela State Prison (CEN)	2,539	2,308	110.0	3,433
California Health Care Facility - Stockton (CHCF)	2,407	2,953	81.5	2,953
California Institution for Men (CIM)	2,223	1,604	138.6	2,225
California Institution for Women (CIW)	949	1,281	74.1	1,743
California Men's Colony (CMC)	3,237	3,816	84.8	4,430
California Medical Facility (CMF)	1,926	2,318	83.1	2,777
California State Prison, Corcoran (COR)	3,346	3,115	107.4	4,503
California Rehabilitation Center (CRC)	2,916	1,822	160.0	2,654
Correctional Training Facility (CTF)	4,070	2,800	145.4	4,125
Chuckawalla Valley State Prison (CVSP)	1,926	1,738	110.8	2,603
Folsom State Prison (FOL)	2,955	2,065	143.1	3,021
High Desert State Prison (HDSP)	2,529	2,324	108.8	3,474
Ironwood State Prison (ISP)	2,987	2,200	135.8	3,275
Kern Valley State Prison (KVSP)	2,616	2,448	106.9	3,497
California State Prison, Los Angeles County (LAC)	2,569	2,300	111.7	3,100
Mule Creek State Prison (MCSP)	3,851	3,284	117.3	4,105
North Kern State Prison (NKSP)	4,270	2,694	158.5	4,011
Pelican Bay State Prison (PBSP)	1,599	2,380	67.2	3,151
Pleasant Valley State Prison (PVSP)	2,800	2,308	121.3	3,433
RJ Donovan Correctional Facility (RJD)	2,904	2,992	97.1	4,038
California State Prison, Sacramento (SAC)	1,468	1,828	80.3	2,259
California Substance Abuse Treatment Facility (SATF)	4,608	3,424	134.6	5,111
Sierra Conservation Center (SCC)	4,003	3,404	117.6	5,804
California State Prison, Solano (SOL)	3,321	2,594	128.0	3,866
San Quentin State Prison (SQ)	4,034	3,084	130.8	3,985
Salinas Valley State Prison (SVSP)	2,901	2,452	118.3	3,209
Valley State Prison (VSP)	3,017	1,961	153.9	2,931
Wasco State Prison (WSP)	3,804	2,984	127.5	4,447
Institution Total	93,248	84,927	109.8	112,146

Design capacity for California Correctional Center will be included until the June 2023 closure date.

As of April 7, 2023, the design capacity has officially been reduced by 403 beds due to the closure of Folsom Women's Facility on January 13, 2023.

As of April 15, 2023, the design capacity decreased an additional 1,690 beds due to the closure of Facility A at CRC and the deactivation of 1,132 of 1,142 beds in Facility D at CIM.

Monthly Report of Population
As of Midnight May 31, 2023

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Avenal State Prison (ASP)	4,612	2,909	158.5	4,359
Calipatria State Prison (CAL)	2,494	2,308	108.1	3,433
California Correctional Institution (CCI)	1,900	2,172	87.5	3,239
Central California Women's Facility (CCWF)	2,355	1,990	118.3	2,952
Centinela State Prison (CEN)	2,589	2,308	112.2	3,433
California Health Care Facility - Stockton (CHCF)	2,360	2,953	79.9	2,953
California Institution for Men (CIM)	2,196	1,604	136.9	2,225
California Institution for Women (CIW)	983	1,281	76.7	1,743
California Men's Colony (CMC)	3,161	3,816	82.8	4,430
California Medical Facility (CMF)	1,975	2,318	85.2	2,777
California State Prison, Corcoran (COR)	3,284	3,115	105.4	4,503
California Rehabilitation Center (CRC)	3,026	1,822	166.1	2,654
Correctional Training Facility (CTF)	4,265	2,800	152.3	4,125
Chuckawalla Valley State Prison (CVSP)	2,094	1,738	120.5	2,603
Folsom State Prison (FOL)	3,023	2,065	146.4	3,021
High Desert State Prison (HDSP)	2,518	2,324	108.3	3,474
Ironwood State Prison (ISP)	3,180	2,200	144.5	3,275
Kern Valley State Prison (KVSP)	2,694	2,448	110.0	3,497
California State Prison, Los Angeles County (LAC)	2,557	2,300	111.2	3,100
Mule Creek State Prison (MCSP)	3,846	3,284	117.1	4,105
North Kern State Prison (NKSP)	4,153	2,694	154.2	4,011
Pelican Bay State Prison (PBSP)	1,602	2,380	67.3	3,153
Pleasant Valley State Prison (PVSP)	2,940	2,308	127.4	3,433
RJ Donovan Correctional Facility (RJD)	2,938	2,992	98.2	4,038
California State Prison, Sacramento (SAC)	1,513	1,828	82.8	2,259
California Substance Abuse Treatment Facility (SATF)	4,535	3,424	132.4	5,111
Sierra Conservation Center (SCC)	3,956	3,404	116.2	5,804
California State Prison, Solano (SOL)	3,438	2,594	132.5	3,866
San Quentin State Prison (SQ)	3,897	3,084	126.4	3,985
Salinas Valley State Prison (SVSP)	2,900	2,452	118.3	3,225
Valley State Prison (VSP)	3,044	1,961	155.2	2,931
Wasco State Prison (WSP)	3,951	2,984	132.4	4,447
Institution Total	93,979	84,927	110.7	112,164

Design capacity for California Correctional Center will be included until the June 2023 closure date.

As of April 7, 2023, the design capacity has officially been reduced by 403 beds due to the closure of Folsom Women's Facility on January 13, 2023.

As of April 15, 2023, the design capacity decreased an additional 1,690 beds due to the closure of Facility A at CRC and the deactivation of 1,132 of 1,142 beds in Facility D at CIM.

Monthly Report of Population
As of Midnight June 30, 2023

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Avenal State Prison (ASP)	4,660	2,909	160.2	4,359
Calipatria State Prison (CAL)	2,633	2,308	114.1	3,433
California Correctional Institution (CCI)	1,628	1,508	108.0	2,243
Central California Women's Facility (CCWF)	2,395	1,990	120.4	2,952
Centinela State Prison (CEN)	2,765	2,308	119.8	3,433
California Health Care Facility - Stockton (CHCF)	2,334	2,953	79.0	2,953
California Institution for Men (CIM)	2,258	1,604	140.8	2,225
California Institution for Women (CIW)	973	1,281	76.0	1,743
California Men's Colony (CMC)	2,910	3,816	76.3	4,430
California Medical Facility (CMF)	2,082	2,318	89.8	2,777
California State Prison, Corcoran (COR)	3,334	3,115	107.0	4,503
California Rehabilitation Center (CRC)	3,146	1,822	172.7	2,654
Correctional Training Facility (CTF)	4,248	2,800	151.7	4,125
Chuckawalla Valley State Prison (CVSP)	2,215	1,738	127.4	2,603
Folsom State Prison (FOL)	2,958	2,065	143.2	3,021
High Desert State Prison (HDSP)	2,460	2,337	105.3	3,474
Ironwood State Prison (ISP)	3,196	2,200	145.3	3,275
Kern Valley State Prison (KVSP)	2,727	2,448	111.4	3,497
California State Prison, Los Angeles County (LAC)	2,588	2,300	112.5	3,100
Mule Creek State Prison (MCSP)	3,879	3,284	118.1	4,105
North Kern State Prison (NKSP)	3,771	2,694	140.0	4,011
Pelican Bay State Prison (PBSP)	1,599	2,380	67.2	3,153
Pleasant Valley State Prison (PVSP)	3,110	2,308	134.7	3,433
RJ Donovan Correctional Facility (RJD)	2,956	2,992	98.8	4,038
California State Prison, Sacramento (SAC)	1,717	1,828	93.9	2,259
California Substance Abuse Treatment Facility (SATF)	4,513	3,424	131.8	5,111
Sierra Conservation Center (SCC)	3,920	4,872	80.5	5,804
California State Prison, Solano (SOL)	3,575	2,594	137.8	3,866
San Quentin State Prison (SQ)	3,812	3,084	123.6	3,985
Salinas Valley State Prison (SVSP)	2,894	2,452	118.0	3,225
Valley State Prison (VSP)	3,174	1,961	161.9	2,931
Wasco State Prison (WSP)	3,651	2,984	122.4	4,447
Institution Total	94,081	80,677	116.6	111,168

As of April 7, 2023, the design capacity has officially been reduced by 403 beds due to the closure of Folsom Women's Facility on January 13, 2023.

As of April 15, 2023, the design capacity decreased an additional 1,690 beds due to the closure of Facility A at CRC and the deactivation of 1,132 of 1,142 beds in Facility D at CIM.

As of June 15, 2023, the design capacity decreased an additional 664 beds due to the closure of Facility D at California Correctional Institution.

As of June 30, 2023, the design capacity decreased an additional 1,896 beds. California Correction Center has officially closed its 1,909 facility beds and deactivated 1,468 fire camp beds for a total of 3,377 beds. Sierra Conservation Center reactivated the 1,468 fire camp beds. High Desert State Prison activated 13 firehouse beds.

Monthly Report of Population
As of Midnight July 31, 2023

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Avenal State Prison (ASP)	4,636	2,909	159.4	4,359
Calipatria State Prison (CAL)	2,705	2,308	117.2	3,433
California Correctional Institution (CCI)	1,627	1,508	107.9	2,243
Central California Women's Facility (CCWF)	2,384	1,990	119.8	2,952
Centinela State Prison (CEN)	2,779	2,308	120.4	3,433
California Health Care Facility - Stockton (CHCF)	2,340	2,953	79.2	2,953
California Institution for Men (CIM)	2,295	1,604	143.1	2,225
California Institution for Women (CIW)	972	1,281	75.9	1,743
California Men's Colony (CMC)	2,691	3,816	70.5	3,755
California Medical Facility (CMF)	2,164	2,318	93.4	2,760
California State Prison, Corcoran (COR)	3,448	3,115	110.7	4,503
California Rehabilitation Center (CRC)	2,946	1,822	161.7	2,654
Correctional Training Facility (CTF)	4,249	2,800	151.8	4,125
Chuckawalla Valley State Prison (CVSP)	2,173	1,738	125.0	2,603
Folsom State Prison (FOL)	2,876	2,065	139.3	3,021
High Desert State Prison (HDSP)	2,413	2,337	103.3	3,474
Ironwood State Prison (ISP)	3,101	2,200	141.0	3,275
Kern Valley State Prison (KVSP)	2,796	2,448	114.2	3,622
California State Prison, Los Angeles County (LAC)	2,631	2,300	114.4	3,400
Mule Creek State Prison (MCSP)	3,837	3,284	116.8	4,105
North Kern State Prison (NKSP)	3,859	2,694	143.2	4,011
Pelican Bay State Prison (PBSP)	1,581	2,380	66.4	3,153
Pleasant Valley State Prison (PVSP)	3,087	2,308	133.8	3,433
RJ Donovan Correctional Facility (RJD)	3,028	2,992	101.2	4,038
California State Prison, Sacramento (SAC)	1,735	1,828	94.9	2,547
California Substance Abuse Treatment Facility (SATF)	4,547	3,424	132.8	5,111
Sierra Conservation Center (SCC)	4,066	4,972	81.8	5,804
California State Prison, Solano (SOL)	3,653	2,594	140.8	3,866
San Quentin State Prison (SQ)	3,728	3,084	120.9	3,985
Salinas Valley State Prison (SVSP)	2,832	2,452	115.5	3,525
Valley State Prison (VSP)	3,310	1,961	168.8	2,931
Wasco State Prison (WSP)	3,526	2,984	118.2	4,447
Institution Total	94,015	80,777	116.4	111,489

As of April 7, 2023, the design capacity has officially been reduced by 403 beds due to the closure of Folsom Women's Facility on January 13, 2023.

As of April 15, 2023, the design capacity decreased an additional 1,690 beds due to the closure of Facility A at CRC and the deactivation of 1,132 of 1,142 beds in Facility D at CIM.

As of June 15, 2023, the design capacity decreased an additional 664 beds due to the closure of Facility D at California Correctional Institution.

As of June 30, 2023, the design capacity decreased an additional 1,896 beds. California Correction Center has officially closed its 1,909 facility beds and deactivated 1,468 fire camp beds for a total of 3,377 beds. Sierra Conservation Center reactivated the 1,468 fire camp beds. High Desert State Prison activated 13 firehouse beds.

The design capacity increased by 100 beds when the Pine Grove Youth Conservation Camp was moved under Sierra Conservation Center.

Monthly Report of Population
As of Midnight August 31, 2023

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Avenal State Prison (ASP)	4,668	2,909	160.5	4,359
Calipatria State Prison (CAL)	2,721	2,308	117.9	3,433
California Correctional Institution (CCI)	1,657	1,508	109.9	2,243
Central California Women's Facility (CCWF)	2,431	1,990	122.2	2,952
Centinela State Prison (CEN)	2,795	2,308	121.1	3,433
California Health Care Facility - Stockton (CHCF)	2,334	2,953	79.0	2,953
California Institution for Men (CIM)	2,354	1,604	146.8	2,225
California Institution for Women (CIW)	968	1,281	75.6	1,743
California Men's Colony (CMC)	2,323	3,816	60.9	3,755
California Medical Facility (CMF)	2,204	2,318	95.1	2,760
California State Prison, Corcoran (COR)	3,525	3,115	113.2	4,503
California Rehabilitation Center (CRC)	2,841	1,822	155.9	2,654
Correctional Training Facility (CTF)	4,283	2,800	153.0	4,125
Chuckawalla Valley State Prison (CVSP)	2,132	1,738	122.7	2,603
Folsom State Prison (FOL)	2,901	2,065	140.5	3,021
High Desert State Prison (HDSP)	2,535	2,337	108.5	3,474
Ironwood State Prison (ISP)	3,094	2,200	140.6	3,275
Kern Valley State Prison (KVSP)	2,816	2,448	115.0	3,622
California State Prison, Los Angeles County (LAC)	2,601	2,300	113.1	3,400
Mule Creek State Prison (MCSP)	3,828	3,284	116.6	4,105
North Kern State Prison (NKSP)	3,576	2,694	132.7	4,011
Pelican Bay State Prison (PBSP)	1,530	2,380	64.3	3,153
Pleasant Valley State Prison (PVSP)	3,010	2,308	130.4	3,433
RJ Donovan Correctional Facility (RJD)	3,194	2,992	106.8	4,038
California State Prison, Sacramento (SAC)	1,803	1,828	98.6	2,547
California Substance Abuse Treatment Facility (SATF)	4,678	3,424	136.6	5,111
Sierra Conservation Center (SCC)	4,370	4,972	87.9	5,804
California State Prison, Solano (SOL)	3,649	2,594	140.7	3,866
San Quentin State Prison (SQ)	3,639	3,084	118.0	3,985
Salinas Valley State Prison (SVSP)	2,772	2,452	113.1	3,525
Valley State Prison (VSP)	3,364	1,961	171.5	2,931
Wasco State Prison (WSP)	3,332	2,984	111.7	4,447
Institution Total	93,928	80,777	116.3	111,489

As of April 7, 2023, the design capacity has officially been reduced by 403 beds due to the closure of Folsom Women's Facility on January 13, 2023.

As of April 15, 2023, the design capacity decreased an additional 1,690 beds due to the closure of Facility A at CRC and the deactivation of 1,132 of 1,142 beds in Facility D at CIM.

As of June 15, 2023, the design capacity decreased an additional 664 beds due to the closure of Facility D at California Correctional Institution.

As of June 30, 2023, the design capacity decreased an additional 1,896 beds. California Correction Center has officially closed its 1,909 facility beds and deactivated 1,468 fire camp beds for a total of 3,377 beds. Sierra Conservation Center reactivated the 1,468 fire camp beds. High Desert State Prison activated 13 firehouse beds.

The design capacity increased by 100 beds when the Pine Grove Youth Conservation Camp was moved under Sierra Conservation Center.

Monthly Report of Population
As of Midnight September 30, 2023

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Avenal State Prison (ASP)	4,609	2,909	158.4	4,359
Calipatria State Prison (CAL)	2,670	2,308	115.7	3,433
California Correctional Institution (CCI)	1,698	1,508	112.6	2,243
Central California Women's Facility (CCWF)	2,443	1,990	122.8	2,952
Centinela State Prison (CEN)	2,803	2,308	121.4	3,433
California Health Care Facility - Stockton (CHCF)	2,300	2,953	77.9	2,953
California Institution for Men (CIM)	2,366	1,604	147.5	2,225
California Institution for Women (CIW)	993	1,281	77.5	1,743
California Men's Colony (CMC)	2,135	3,816	55.9	3,755
California Medical Facility (CMF)	2,220	2,318	95.8	2,760
California State Prison, Corcoran (COR)	3,491	3,115	112.1	4,503
California Rehabilitation Center (CRC)	2,869	1,822	157.5	2,654
Correctional Training Facility (CTF)	4,310	2,800	153.9	4,125
Chuckawalla Valley State Prison (CVSP)	2,067	1,738	118.9	2,603
Folsom State Prison (FOL)	2,895	2,065	140.2	3,021
High Desert State Prison (HDSP)	2,475	2,337	105.9	3,474
Ironwood State Prison (ISP)	3,112	2,200	141.5	3,275
Kern Valley State Prison (KVSP)	2,848	2,448	116.3	3,622
California State Prison, Los Angeles County (LAC)	2,611	2,300	113.5	3,400
Mule Creek State Prison (MCSP)	3,820	3,284	116.3	4,105
North Kern State Prison (NKSP)	3,718	2,694	138.0	4,011
Pelican Bay State Prison (PBSP)	1,544	2,380	64.9	3,153
Pleasant Valley State Prison (PVSP)	2,817	2,308	122.1	3,433
RJ Donovan Correctional Facility (RJD)	3,270	2,992	109.3	4,038
California State Prison, Sacramento (SAC)	1,863	1,828	101.9	2,547
California Substance Abuse Treatment Facility (SATF)	4,757	3,424	138.9	5,111
Sierra Conservation Center (SCC)	4,360	4,972	87.7	5,804
California State Prison, Solano (SOL)	3,670	2,594	141.5	3,866
San Quentin State Prison (SQ)	3,576	3,084	116.0	3,985
Salinas Valley State Prison (SVSP)	2,738	2,452	111.7	3,525
Valley State Prison (VSP)	3,332	1,961	169.9	2,931
Wasco State Prison (WSP)	3,378	2,984	113.2	4,447
Institution Total	93,758	80,777	116.1	111,489

As of April 7, 2023, the design capacity has officially been reduced by 403 beds due to the closure of Folsom Women's Facility on January 13, 2023.

As of April 15, 2023, the design capacity decreased an additional 1,690 beds due to the closure of Facility A at CRC and the deactivation of 1,132 of 1,142 beds in Facility D at CIM.

As of June 15, 2023, the design capacity decreased an additional 664 beds due to the closure of Facility D at California Correctional Institution.

As of June 30, 2023, the design capacity decreased an additional 1,896 beds. California Correction Center has officially closed its 1,909 facility beds and deactivated 1,468 fire camp beds for a total of 3,377 beds. Sierra Conservation Center reactivated the 1,468 fire camp beds. High Desert State Prison activated 13 firehouse beds.

The design capacity increased by 100 beds when the Pine Grove Youth Conservation Camp was moved under Sierra Conservation Center.

Monthly Report of Population
As of Midnight October 31, 2023

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Avenal State Prison (ASP)	4,592	2,909	157.9	4,359
Calipatria State Prison (CAL)	2,706	2,308	117.2	3,433
California Correctional Institution (CCI)	1,715	1,508	113.7	2,243
Central California Women's Facility (CCWF)	2,290	1,990	115.1	2,952
Centinela State Prison (CEN)	2,802	2,308	121.4	3,433
California Health Care Facility - Stockton (CHCF)	2,258	2,953	76.5	2,953
California Institution for Men (CIM)	2,371	1,604	147.8	2,225
California Institution for Women (CIW)	1,149	1,281	89.7	1,743
California Men's Colony (CMC)	2,065	3,816	54.1	2,642
California Medical Facility (CMF)	2,218	2,318	95.7	2,760
California State Prison, Corcoran (COR)	3,505	3,115	112.5	4,503
California Rehabilitation Center (CRC)	2,919	1,822	160.2	2,654
Correctional Training Facility (CTF)	4,293	2,800	153.3	4,125
Chuckawalla Valley State Prison (CVSP)	2,021	1,738	116.3	2,603
Folsom State Prison (FOL)	2,869	2,065	138.9	3,021
High Desert State Prison (HDSP)	2,387	2,337	102.1	3,474
Ironwood State Prison (ISP)	3,051	2,200	138.7	3,275
Kern Valley State Prison (KVSP)	2,871	2,448	117.3	3,622
California State Prison, Los Angeles County (LAC)	2,679	2,300	116.5	3,400
Mule Creek State Prison (MCSP)	3,803	3,284	115.8	4,105
North Kern State Prison (NKSP)	3,799	2,694	141.0	4,011
Pelican Bay State Prison (PBSP)	1,576	2,380	66.2	3,153
Pleasant Valley State Prison (PVSP)	2,660	2,308	115.3	3,433
RJ Donovan Correctional Facility (RJD)	3,291	2,992	110.0	4,038
California State Prison, Sacramento (SAC)	1,841	1,828	100.7	2,547
California Substance Abuse Treatment Facility (SATF)	4,821	3,424	140.8	5,111
Sierra Conservation Center (SCC)	4,265	4,972	85.8	5,804
California State Prison, Solano (SOL)	3,718	2,594	143.3	3,866
San Quentin State Prison (SQ)	3,488	3,084	113.1	3,985
Salinas Valley State Prison (SVSP)	2,687	2,452	109.6	3,525
Valley State Prison (VSP)	3,247	1,961	165.6	2,931
Wasco State Prison (WSP)	3,620	2,984	121.3	4,447
Institution Total	93,577	80,777	115.8	110,376

As of April 7, 2023, the design capacity has officially been reduced by 403 beds due to the closure of Folsom Women's Facility on January 13, 2023.

As of April 15, 2023, the design capacity decreased an additional 1,690 beds due to the closure of Facility A at CRC and the deactivation of 1,132 of 1,142 beds in Facility D at CIM.

As of June 15, 2023, the design capacity decreased an additional 664 beds due to the closure of Facility D at California Correctional Institution.

As of June 30, 2023, the design capacity decreased an additional 1,896 beds. California Correction Center has officially closed its 1,909 facility beds and deactivated 1,468 fire camp beds for a total of 3,377 beds. Sierra Conservation Center reactivated the 1,468 fire camp beds. High Desert State Prison activated 13 firehouse beds.

The design capacity increased by 100 beds when the Pine Grove Youth Conservation Camp was moved under Sierra Conservation Center.

Monthly Report of Population
As of Midnight November 30, 2023

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Avenal State Prison (ASP)	4,608	2,909	158.4	4,359
Calipatria State Prison (CAL)	2,799	2,308	121.3	3,433
California Correctional Institution (CCI)	1,718	1,508	113.9	2,243
Central California Women's Facility (CCWF)	2,217	1,990	111.4	2,952
Centinela State Prison (CEN)	2,740	2,308	118.7	3,433
California Health Care Facility - Stockton (CHCF)	2,240	2,953	75.9	2,953
California Institution for Men (CIM)	2,367	1,604	147.6	2,225
California Institution for Women (CIW)	1,191	1,281	93.0	1,743
California Men's Colony (CMC)	2,048	2,613	78.4	2,642
California Medical Facility (CMF)	2,188	2,318	94.4	2,760
California State Prison, Corcoran (COR)	3,479	3,115	111.7	4,503
California Rehabilitation Center (CRC)	2,989	1,822	164.1	2,654
Correctional Training Facility (CTF)	4,211	2,800	150.4	4,125
Chuckawalla Valley State Prison (CVSP)	1,965	1,738	113.1	2,603
Folsom State Prison (FOL)	2,826	2,065	136.9	3,021
High Desert State Prison (HDSP)	2,296	2,337	98.2	3,474
Ironwood State Prison (ISP)	3,119	2,200	141.8	3,275
Kern Valley State Prison (KVSP)	2,867	2,448	117.1	3,622
California State Prison, Los Angeles County (LAC)	2,790	2,300	121.3	3,400
Mule Creek State Prison (MCSP)	3,796	3,284	115.6	4,105
North Kern State Prison (NKSP)	3,930	2,694	145.9	4,011
Pelican Bay State Prison (PBSP)	1,534	2,380	64.5	3,153
Pleasant Valley State Prison (PVSP)	2,565	2,308	111.1	3,433
RJ Donovan Correctional Facility (RJD)	3,278	2,992	109.6	4,038
California State Prison, Sacramento (SAC)	1,818	1,828	99.5	2,547
California Substance Abuse Treatment Facility (SATF)	4,856	3,424	141.8	5,111
Sierra Conservation Center (SCC)	4,162	4,972	83.7	5,804
California State Prison, Solano (SOL)	3,750	2,594	144.6	3,866
San Quentin State Prison (SQ)	3,479	3,084	112.8	3,985
Salinas Valley State Prison (SVSP)	2,661	2,452	108.5	3,525
Valley State Prison (VSP)	3,228	1,961	164.6	2,931
Wasco State Prison (WSP)	3,656	2,984	122.5	4,447
Institution Total	93,371	79,574	117.3	110,376

As of April 7, 2023, the design capacity has officially been reduced by 403 beds due to the closure of Folsom Women's Facility on January 13, 2023.

As of April 15, 2023, the design capacity decreased an additional 1,690 beds due to the closure of Facility A at CRC and the deactivation of 1,132 of 1,142 beds in Facility D at CIM.

As of June 15, 2023, the design capacity decreased an additional 664 beds due to the closure of Facility D at California Correctional Institution.

As of June 30, 2023, the design capacity decreased an additional 1,896 beds. California Correction Center has officially closed its 1,909 facility beds and deactivated 1,468 fire camp beds for a total of 3,377 beds. Sierra Conservation Center reactivated the 1,468 fire camp beds. High Desert State Prison activated 13 firehouse beds.

The design capacity increased by 100 beds when the Pine Grove Youth Conservation Camp was moved under Sierra Conservation Center.

As of November 4, 2023, the design capacity decreased an additional 1,203 beds due to the deactivation of beds at California Men's Colony.

Monthly Report of Population
As of Midnight December 31, 2023

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Avenal State Prison (ASP)	4,634	2,909	159.3	4,359
Calipatria State Prison (CAL)	2,741	2,308	118.8	3,433
California Correctional Institution (CCI)	1,750	1,508	116.0	2,243
Central California Women's Facility (CCWF)	2,196	1,990	110.4	2,952
Centinela State Prison (CEN)	2,692	2,308	116.6	3,433
California Health Care Facility - Stockton (CHCF)	2,258	2,953	76.5	2,953
California Institution for Men (CIM)	2,303	1,604	143.6	2,225
California Institution for Women (CIW)	1,190	1,281	92.9	1,743
California Men's Colony (CMC)	2,116	2,613	81.0	2,642
California Medical Facility (CMF)	2,193	2,318	94.6	2,760
California State Prison, Corcoran (COR)	3,463	3,115	111.2	4,503
California Rehabilitation Center (CRC)	3,018	1,822	165.6	2,654
Correctional Training Facility (CTF)	4,130	2,800	147.5	4,125
Chuckawalla Valley State Prison (CVSP)	1,803	1,738	103.7	2,603
Folsom State Prison (FOL)	2,785	2,065	134.9	3,021
High Desert State Prison (HDSP)	2,242	2,337	95.9	3,474
Ironwood State Prison (ISP)	3,051	2,200	138.7	3,275
Kern Valley State Prison (KVSP)	2,914	2,448	119.0	3,622
California State Prison, Los Angeles County (LAC)	2,808	2,300	122.1	3,400
Mule Creek State Prison (MCSP)	3,827	3,284	116.5	4,105
North Kern State Prison (NKSP)	4,016	2,694	149.1	4,011
Pelican Bay State Prison (PBSP)	1,524	1,804	84.5	2,445
Pleasant Valley State Prison (PVSP)	2,499	2,308	108.3	3,433
RJ Donovan Correctional Facility (RJD)	3,297	2,992	110.2	4,038
California State Prison, Sacramento (SAC)	1,795	1,828	98.2	2,557
California Substance Abuse Treatment Facility (SATF)	4,755	3,424	138.9	5,111
Sierra Conservation Center (SCC)	4,028	4,972	81.0	5,804
California State Prison, Solano (SOL)	3,788	2,594	146.0	3,866
San Quentin State Prison (SQ)	3,486	3,084	113.0	3,985
Salinas Valley State Prison (SVSP)	2,623	2,452	107.0	3,525
Valley State Prison (VSP)	3,198	1,961	163.1	2,931
Wasco State Prison (WSP)	3,774	2,984	126.5	4,447
Institution Total	92,897	78,998	117.6	109,678

As of April 7, 2023, the design capacity has officially been reduced by 403 beds due to the closure of Folsom Women's Facility on January 13, 2023.

As of April 15, 2023, the design capacity decreased an additional 1,690 beds due to the closure of Facility A at CRC and the deactivation of 1,132 of 1,142 beds in Facility D at CIM.

As of June 15, 2023, the design capacity decreased an additional 664 beds due to the closure of Facility D at California Correctional Institution.

As of June 30, 2023, the design capacity decreased an additional 1,896 beds. California Correction Center has officially closed its 1,909 facility beds and deactivated 1,468 fire camp beds for a total of 3,377 beds. Sierra Conservation Center reactivated the 1,468 fire camp beds. High Desert State Prison activated 13 firehouse beds.

The design capacity increased by 100 beds when the Pine Grove Youth Conservation Camp was moved under Sierra Conservation Center.

As of November 4, 2023, the design capacity decreased an additional 1,203 beds due to the deactivation of beds at California Men's Colony.

As of December 3, 2023, the design capacity decreased an additional 576 beds due to the closure of Facility C at Pelican Bay State Prison.

Monthly Report of Population
As of Midnight January 31, 2024

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Avenal State Prison (ASP)	4,717	2,909	162.2	4,359
Calipatria State Prison (CAL)	2,654	2,308	115.0	3,433
California Correctional Institution (CCI)	1,784	1,508	118.3	2,243
Central California Women's Facility (CCWF)	2,183	1,990	109.7	2,952
Centinela State Prison (CEN)	2,894	2,308	125.4	3,433
California Health Care Facility - Stockton (CHCF)	2,238	2,953	75.8	2,953
California Institution for Men (CIM)	2,194	1,604	136.8	2,225
California Institution for Women (CIW)	1,185	1,281	92.5	1,743
California Men's Colony (CMC)	2,249	2,613	86.1	2,642
California Medical Facility (CMF)	2,177	2,318	93.9	2,635
California State Prison, Corcoran (COR)	3,452	3,115	110.8	4,503
California Rehabilitation Center (CRC)	3,128	1,822	171.7	2,654
Correctional Training Facility (CTF)	4,122	2,800	147.2	4,125
Chuckawalla Valley State Prison (CVSP)	1,756	1,738	101.0	2,603
Folsom State Prison (FOL)	2,765	2,065	133.9	3,021
High Desert State Prison (HDSP)	2,246	2,337	96.1	3,474
Ironwood State Prison (ISP)	2,532	2,200	115.1	3,275
Kern Valley State Prison (KVSP)	2,928	2,448	119.6	3,622
California State Prison, Los Angeles County (LAC)	2,894	2,300	125.8	3,400
Mule Creek State Prison (MCSP)	3,935	3,284	119.8	4,105
North Kern State Prison (NKSP)	3,772	2,694	140.0	4,011
Pelican Bay State Prison (PBSP)	1,433	1,804	79.4	2,445
Pleasant Valley State Prison (PVSP)	2,707	2,308	117.3	3,433
RJ Donovan Correctional Facility (RJD)	3,299	2,992	110.3	4,038
California State Prison, Sacramento (SAC)	1,835	1,828	100.4	2,557
California Substance Abuse Treatment Facility (SATF)	4,417	3,424	129.0	5,111
Sierra Conservation Center (SCC)	3,940	4,972	79.2	5,804
California State Prison, Solano (SOL)	3,895	2,594	150.2	3,866
San Quentin State Prison (SQ)	3,551	3,084	115.1	3,985
Salinas Valley State Prison (SVSP)	2,628	2,452	107.2	3,525
Valley State Prison (VSP)	3,147	1,961	160.5	2,931
Wasco State Prison (WSP)	3,774	2,984	126.5	4,447
Institution Total	92,431	78,998	117.0	109,553

As of April 7, 2023, the design capacity has officially been reduced by 403 beds due to the closure of Folsom Women's Facility on January 13, 2023.

As of April 15, 2023, the design capacity decreased an additional 1,690 beds due to the closure of Facility A at CRC and the deactivation of 1,132 of 1,142 beds in Facility D at CIM.

As of June 15, 2023, the design capacity decreased an additional 664 beds due to the closure of Facility D at California Correctional Institution.

As of June 30, 2023, the design capacity decreased an additional 1,896 beds. California Correction Center has officially closed its 1,909 facility beds and deactivated 1,468 fire camp beds for a total of 3,377 beds. Sierra Conservation Center reactivated the 1,468 fire camp beds. High Desert State Prison activated 13 firehouse beds.

The design capacity increased by 100 beds when the Pine Grove Youth Conservation Camp was moved under Sierra Conservation Center.

As of November 4, 2023, the design capacity decreased an additional 1,203 beds due to the deactivation of beds at California Men's Colony.

As of December 3, 2023, the design capacity decreased an additional 576 beds due to the closure of Facility C at Pelican Bay State Prison.

Monthly Report of Population
As of Midnight February 29, 2024

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Avenal State Prison (ASP)	4,862	2,909	167.1	4,359
Calipatria State Prison (CAL)	2,591	2,308	112.3	3,433
California Correctional Institution (CCI)	1,774	1,508	117.6	2,243
Central California Women's Facility (CCWF)	2,223	1,990	111.7	2,946
Centinela State Prison (CEN)	2,945	2,308	127.6	3,433
California Health Care Facility - Stockton (CHCF)	2,211	2,953	74.9	2,953
California Institution for Men (CIM)	2,181	1,604	136.0	2,225
California Institution for Women (CIW)	1,171	1,281	91.4	1,743
California Men's Colony (CMC)	2,320	2,613	88.8	2,642
California Medical Facility (CMF)	2,186	2,318	94.3	2,760
California State Prison, Corcoran (COR)	3,442	3,115	110.5	4,503
California Rehabilitation Center (CRC)	3,190	1,822	175.1	2,654
Correctional Training Facility (CTF)	4,086	2,800	145.9	4,125
Chuckawalla Valley State Prison (CVSP)	1,499	1,738	86.2	2,018
Folsom State Prison (FOL)	2,710	2,065	131.2	3,021
High Desert State Prison (HDSP)	2,387	2,337	102.1	3,474
Ironwood State Prison (ISP)	2,600	2,200	118.2	3,275
Kern Valley State Prison (KVSP)	2,994	2,448	122.3	3,622
California State Prison, Los Angeles County (LAC)	3,017	2,300	131.2	3,400
Mule Creek State Prison (MCSP)	3,931	3,284	119.7	4,105
North Kern State Prison (NKSP)	3,485	2,694	129.4	4,011
Pelican Bay State Prison (PBSP)	1,545	1,804	85.6	2,445
Pleasant Valley State Prison (PVSP)	2,717	2,308	117.7	3,433
RJ Donovan Correctional Facility (RJD)	3,301	2,992	110.3	4,038
California State Prison, Sacramento (SAC)	1,865	1,828	102.0	2,557
California Substance Abuse Treatment Facility (SATF)	4,216	3,424	123.1	5,111
Sierra Conservation Center (SCC)	3,984	4,972	80.1	5,804
California State Prison, Solano (SOL)	3,948	2,594	152.2	3,866
San Quentin State Prison (SQ)	3,556	3,084	115.3	3,935
Salinas Valley State Prison (SVSP)	2,625	2,452	107.1	3,525
Valley State Prison (VSP)	3,093	1,961	157.7	2,931
Wasco State Prison (WSP)	3,613	2,984	121.1	4,447
Institution Total	92,268	78,998	116.8	109,037

As of April 7, 2023, the design capacity has officially been reduced by 403 beds due to the closure of Folsom Women's Facility on January 13, 2023.

As of April 15, 2023, the design capacity decreased an additional 1,690 beds due to the closure of Facility A at CRC and the deactivation of 1,132 of 1,142 beds in Facility D at CIM.

As of June 15, 2023, the design capacity decreased an additional 664 beds due to the closure of Facility D at California Correctional Institution.

As of June 30, 2023, the design capacity decreased an additional 1,896 beds. California Correction Center has officially closed its 1,909 facility beds and deactivated 1,468 fire camp beds for a total of 3,377 beds. Sierra Conservation Center reactivated the 1,468 fire camp beds. High Desert State Prison activated 13 firehouse beds.

The design capacity increased by 100 beds when the Pine Grove Youth Conservation Camp was moved under Sierra Conservation Center.

As of November 4, 2023, the design capacity decreased an additional 1,203 beds due to the deactivation of beds at California Men's Colony.

As of December 3, 2023, the design capacity decreased an additional 576 beds due to the closure of Facility C at Pelican Bay State Prison.

Monthly Report of Population
As of Midnight March 31, 2024

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Avenal State Prison (ASP)	4,796	2,909	164.9	4,359
Calipatria State Prison (CAL)	2,839	2,308	123.0	3,433
California Correctional Institution (CCI)	1,751	1,508	116.1	2,227
Central California Women's Facility (CCWF)	2,247	1,986	113.1	2,946
Centinela State Prison (CEN)	3,074	2,308	133.2	3,433
California Health Care Facility - Stockton (CHCF)	2,209	2,953	74.8	2,953
California Institution for Men (CIM)	2,201	1,604	137.2	2,225
California Institution for Women (CIW)	1,150	1,281	89.8	1,743
California Men's Colony (CMC)	2,356	2,613	90.2	2,642
California Medical Facility (CMF)	2,158	2,319	93.1	2,760
California State Prison, Corcoran (COR)	2,599	3,114	83.5	4,503
California Rehabilitation Center (CRC)	3,091	1,822	169.6	2,654
Correctional Training Facility (CTF)	4,044	2,800	144.4	4,125
Chuckawalla Valley State Prison (CVSP)	1,136	1,738	65.4	1,433
Folsom State Prison (FOL)	2,662	2,065	128.9	3,021
High Desert State Prison (HDSP)	2,622	2,337	112.2	3,442
Ironwood State Prison (ISP)	2,932	2,200	133.3	3,275
Kern Valley State Prison (KVSP)	3,133	2,448	128.0	3,574
California State Prison, Los Angeles County (LAC)	3,149	2,300	136.9	3,400
Mule Creek State Prison (MCSP)	3,948	3,284	120.2	4,105
North Kern State Prison (NKSP)	3,291	2,694	122.2	4,011
Pelican Bay State Prison (PBSP)	1,677	1,804	93.0	2,429
Pleasant Valley State Prison (PVSP)	2,657	2,308	115.1	3,433
RJ Donovan Correctional Facility (RJD)	3,356	2,992	112.2	4,038
California State Prison, Sacramento (SAC)	1,862	1,828	101.9	2,493
California Substance Abuse Treatment Facility (SATF)	4,338	3,424	126.7	5,111
Sierra Conservation Center (SCC)	3,966	4,972	79.8	5,804
California State Prison, Solano (SOL)	3,932	2,594	151.6	3,866
San Quentin State Prison (SQ)	3,523	3,084	114.2	3,985
Salinas Valley State Prison (SVSP)	2,611	2,452	106.5	3,509
Valley State Prison (VSP)	3,040	1,961	155.0	2,931
Wasco State Prison (WSP)	3,622	2,984	121.4	4,447
Institution Total	91,972	78,994	116.4	108,310

Monthly Report of Population
As of Midnight April 30, 2024

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Avenal State Prison (ASP)	4,744	2,909	163.1	4,359
Calipatria State Prison (CAL)	2,788	2,308	120.8	3,433
California Correctional Institution (CCI)	1,702	1,508	112.9	2,227
Central California Women's Facility (CCWF)	2,215	1,986	111.5	2,946
Centinela State Prison (CEN)	3,131	2,308	135.7	3,433
California Health Care Facility - Stockton (CHCF)	2,180	2,953	73.8	2,953
California Institution for Men (CIM)	2,220	1,604	138.4	2,225
California Institution for Women (CIW)	1,174	1,281	91.6	1,743
California Men's Colony (CMC)	2,311	2,613	88.4	2,642
California Medical Facility (CMF)	2,101	2,319	90.6	2,761
California State Prison, Corcoran (COR)	2,492	3,114	80.0	4,502
California Rehabilitation Center (CRC)	2,986	1,822	163.9	2,654
Correctional Training Facility (CTF)	3,963	2,800	141.5	4,125
Chuckawalla Valley State Prison (CVSP)	749	1,738	43.1	2,603
Folsom State Prison (FOL)	2,599	2,065	125.9	3,021
High Desert State Prison (HDSP)	2,636	2,337	112.8	3,442
Ironwood State Prison (ISP)	3,283	2,200	149.2	3,275
Kern Valley State Prison (KVSP)	3,196	2,448	130.6	3,574
California State Prison, Los Angeles County (LAC)	3,212	2,300	139.7	3,400
Mule Creek State Prison (MCSP)	3,958	3,284	120.5	4,105
North Kern State Prison (NKSP)	3,248	2,694	120.6	4,011
Pelican Bay State Prison (PBSP)	1,848	1,804	102.4	2,429
Pleasant Valley State Prison (PVSP)	2,607	2,308	113.0	3,433
RJ Donovan Correctional Facility (RJD)	3,357	2,992	112.2	4,038
California State Prison, Sacramento (SAC)	1,869	1,828	102.2	2,493
California Substance Abuse Treatment Facility (SATF)	4,469	3,424	130.5	5,111
Sierra Conservation Center (SCC)	3,962	4,972	79.7	5,804
California State Prison, Solano (SOL)	3,910	2,594	150.7	3,866
San Quentin State Prison (SQ)	3,486	3,084	113.0	3,985
Salinas Valley State Prison (SVSP)	2,558	2,452	104.3	3,509
Valley State Prison (VSP)	2,999	1,961	152.9	2,931
Wasco State Prison (WSP)	3,795	2,984	127.2	4,447
Institution Total	91,748	78,994	116.1	109,480

Monthly Report of Population
As of Midnight May 31, 2024

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Avenal State Prison (ASP)	4,710	2,909	161.9	4,359
Calipatria State Prison (CAL)	2,842	2,308	123.1	3,433
California Correctional Institution (CCI)	1,679	1,508	111.3	2,227
Central California Women's Facility (CCWF)	2,244	1,986	113.0	2,946
Centinela State Prison (CEN)	3,075	2,308	133.2	3,433
California Health Care Facility - Stockton (CHCF)	2,152	2,953	72.9	2,953
California Institution for Men (CIM)	2,217	1,604	138.2	2,225
California Institution for Women (CIW)	1,125	1,281	87.8	1,743
California Men's Colony (CMC)	2,258	2,613	86.4	2,642
California Medical Facility (CMF)	2,069	2,319	89.2	2,761
California State Prison, Corcoran (COR)	2,549	3,114	81.9	4,502
California Rehabilitation Center (CRC)	2,900	1,822	159.2	2,654
Correctional Training Facility (CTF)	3,986	2,800	142.4	4,125
Chuckawalla Valley State Prison (CVSP)	489	1,738	28.1	2,603
Folsom State Prison (FOL)	2,577	2,065	124.8	3,021
High Desert State Prison (HDSP)	2,563	2,337	109.7	3,442
Ironwood State Prison (ISP)	3,186	2,200	144.8	3,275
Kern Valley State Prison (KVSP)	3,339	2,448	136.4	3,574
California State Prison, Los Angeles County (LAC)	3,205	2,300	139.3	3,400
Mule Creek State Prison (MCSP)	3,978	3,284	121.1	4,105
North Kern State Prison (NKSP)	3,378	2,694	125.4	4,011
Pelican Bay State Prison (PBSP)	1,973	1,804	109.4	2,429
Pleasant Valley State Prison (PVSP)	2,474	2,308	107.2	3,433
RJ Donovan Correctional Facility (RJD)	3,373	2,992	112.7	4,038
California State Prison, Sacramento (SAC)	1,868	1,828	102.2	2,493
California Substance Abuse Treatment Facility (SATF)	4,722	3,424	137.9	5,111
Sierra Conservation Center (SCC)	4,041	4,972	81.3	5,804
California State Prison, Solano (SOL)	3,943	2,594	152.0	3,866
San Quentin State Prison (SQ)	3,333	3,084	108.1	3,985
Salinas Valley State Prison (SVSP)	2,548	2,452	103.9	3,509
Valley State Prison (VSP)	3,047	1,961	155.4	2,931
Wasco State Prison (WSP)	3,824	2,984	128.2	4,447
Institution Total	91,667	78,994	116.0	109,480

Monthly Report of Population
As of Midnight June 30, 2024

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Avenal State Prison (ASP)	4,654	2,909	160.0	4,359
Calipatria State Prison (CAL)	2,900	2,308	125.6	3,433
California Correctional Institution (CCI)	1,658	1,508	109.9	2,227
Central California Women's Facility (CCWF)	2,214	1,986	111.5	2,946
Centinela State Prison (CEN)	3,006	2,308	130.2	3,433
California Health Care Facility - Stockton (CHCF)	2,173	2,953	73.6	2,953
California Institution for Men (CIM)	2,244	1,604	139.9	2,225
California Institution for Women (CIW)	1,167	1,281	91.1	1,743
California Men's Colony (CMC)	2,194	2,613	84.0	2,642
California Medical Facility (CMF)	2,052	2,319	88.5	2,761
California State Prison, Corcoran (COR)	2,510	3,114	80.6	4,502
California Rehabilitation Center (CRC)	2,775	1,822	152.3	2,654
Correctional Training Facility (CTF)	3,934	2,800	140.5	4,125
Chuckawalla Valley State Prison (CVSP)	273	1,738	15.7	2,603
Folsom State Prison (FOL)	2,610	2,065	126.4	3,021
High Desert State Prison (HDSP)	2,548	2,337	109.0	3,442
Ironwood State Prison (ISP)	3,147	2,200	143.0	3,285
Kern Valley State Prison (KVSP)	3,269	2,448	133.5	3,574
California State Prison, Los Angeles County (LAC)	3,199	2,300	139.1	3,400
Mule Creek State Prison (MCSP)	3,967	3,284	120.8	4,105
North Kern State Prison (NKSP)	3,321	2,694	123.3	4,011
Pelican Bay State Prison (PBSP)	2,183	1,804	121.0	2,429
Pleasant Valley State Prison (PVSP)	2,395	2,308	103.8	3,433
RJ Donovan Correctional Facility (RJD)	3,345	2,992	111.8	4,038
California State Prison, Sacramento (SAC)	1,868	1,828	102.2	2,493
California Substance Abuse Treatment Facility (SATF)	4,971	3,424	145.2	5,111
Sierra Conservation Center (SCC)	4,019	4,972	80.8	5,804
California State Prison, Solano (SOL)	4,000	2,594	154.2	3,866
San Quentin Rehabilitation Center (SQ)	3,361	3,084	109.0	3,985
Salinas Valley State Prison (SVSP)	2,527	2,452	103.1	3,509
Valley State Prison (VSP)	3,145	1,961	160.4	2,931
Wasco State Prison (WSP)	3,701	2,984	124.0	4,447
Institution Total	91,330	78,994	115.6	109,490

Monthly Report of Population
As of Midnight July 31, 2024

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Avenal State Prison (ASP)	4,560	2,909	156.8	3,759
Calipatria State Prison (CAL)	2,894	2,308	125.4	3,433
California Correctional Institution (CCI)	1,710	1,508	113.4	2,227
Central California Women's Facility (CCWF)	2,106	1,986	106.0	2,946
Centinela State Prison (CEN)	3,061	2,308	132.6	3,433
California Health Care Facility - Stockton (CHCF)	2,172	2,953	73.6	2,953
California Institution for Men (CIM)	2,250	1,604	140.3	2,225
California Institution for Women (CIW)	1,258	1,281	98.2	1,743
California Men's Colony (CMC)	2,120	2,613	81.1	2,642
California Medical Facility (CMF)	2,044	2,319	88.1	2,657
California State Prison, Corcoran (COR)	2,493	3,114	80.1	3,164
California Rehabilitation Center (CRC)	2,782	1,822	152.7	2,579
Correctional Training Facility (CTF)	3,965	2,800	141.6	4,125
Folsom State Prison (FOL)	2,731	2,065	132.3	3,021
High Desert State Prison (HDSP)	2,556	2,337	109.4	3,442
Ironwood State Prison (ISP)	3,049	2,200	138.6	3,285
Kern Valley State Prison (KVSP)	3,220	2,448	131.5	3,136
California State Prison, Los Angeles County (LAC)	3,227	2,300	140.3	3,250
Mule Creek State Prison (MCSP)	3,970	3,284	120.9	3,811
North Kern State Prison (NKSP)	3,119	2,694	115.8	4,011
Pelican Bay State Prison (PBSP)	2,251	1,804	124.8	2,425
Pleasant Valley State Prison (PVSP)	2,364	2,308	102.4	3,433
RJ Donovan Correctional Facility (RJD)	3,096	2,992	103.5	3,750
California State Prison, Sacramento (SAC)	1,929	1,828	105.5	2,265
California Substance Abuse Treatment Facility (SATF)	5,486	3,424	160.2	5,111
Sierra Conservation Center (SCC)	4,048	4,972	81.4	5,804
California State Prison, Solano (SOL)	4,086	2,594	157.5	3,866
San Quentin Rehabilitation Center (SQ)	3,295	3,084	106.8	3,935
Salinas Valley State Prison (SVSP)	2,481	2,452	101.2	2,471
Valley State Prison (VSP)	3,213	1,961	163.8	2,931
Wasco State Prison (WSP)	3,457	2,984	115.9	4,447
Institution Total	90,993	78,994	115.2	102,280

Monthly Report of Population
As of Midnight August 31, 2024

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Avenal State Prison (ASP)	4,431	2,909	152.3	3,759
Calipatria State Prison (CAL)	2,792	2,308	121.0	3,433
California Correctional Institution (CCI)	1,709	1,508	113.3	2,227
Central California Women's Facility (CCWF)	2,092	1,986	105.3	2,946
Centinela State Prison (CEN)	3,101	2,308	134.4	3,433
California Health Care Facility - Stockton (CHCF)	2,135	2,953	72.3	2,953
California Institution for Men (CIM)	2,233	1,604	139.2	2,225
California Institution for Women (CIW)	1,286	1,281	100.4	1,743
California Men's Colony (CMC)	2,087	2,613	79.9	2,642
California Medical Facility (CMF)	2,017	2,319	87.0	2,657
California State Prison, Corcoran (COR)	2,496	3,114	80.2	3,164
California Rehabilitation Center (CRC)	2,792	1,822	153.2	2,579
Correctional Training Facility (CTF)	4,028	2,800	143.9	4,125
Folsom State Prison (FOL)	2,797	2,065	135.4	3,021
High Desert State Prison (HDSP)	2,718	2,337	116.3	3,442
Ironwood State Prison (ISP)	2,954	2,200	134.3	3,285
Kern Valley State Prison (KVSP)	3,163	2,448	129.2	3,136
California State Prison, Los Angeles County (LAC)	3,221	2,300	140.0	3,250
Mule Creek State Prison (MCSP)	4,015	3,284	122.3	3,811
North Kern State Prison (NKSP)	3,139	2,694	116.5	4,011
Pelican Bay State Prison (PBSP)	2,211	1,804	122.6	2,425
Pleasant Valley State Prison (PVSP)	2,598	2,308	112.6	3,433
RJ Donovan Correctional Facility (RJD)	2,932	2,992	98.0	3,750
California State Prison, Sacramento (SAC)	2,032	1,828	111.2	2,265
California Substance Abuse Treatment Facility (SATF)	5,460	3,424	159.5	5,111
Sierra Conservation Center (SCC)	3,965	4,972	79.7	5,804
California State Prison, Solano (SOL)	4,044	2,594	155.9	3,866
San Quentin Rehabilitation Center (SQ)	3,221	3,084	104.4	3,935
Salinas Valley State Prison (SVSP)	2,509	2,452	102.3	2,471
Valley State Prison (VSP)	3,264	1,961	166.4	2,931
Wasco State Prison (WSP)	3,314	2,984	111.1	4,447
Institution Total	90,756	78,994	114.9	102,280

Monthly Report of Population
As of Midnight September 30, 2024

Monthly Institution Population Detail

Institutions	Felon/ Other	Design Capacity	Percent Occupied	Staffed Capacity
Avenal State Prison (ASP)	4,230	2,509	168.6	3,759
Calipatria State Prison (CAL)	2,613	2,308	113.2	3,433
California Correctional Institution (CCI)	1,594	1,508	105.7	2,227
Central California Women's Facility (CCWF)	2,107	1,986	106.1	2,946
Centinela State Prison (CEN)	3,084	2,308	133.6	3,433
California Health Care Facility - Stockton (CHCF)	2,120	2,953	71.8	2,953
California Institution for Men (CIM)	2,283	1,524	149.8	2,225
California Institution for Women (CIW)	1,249	1,281	97.5	1,743
California Men's Colony (CMC)	2,044	2,613	78.2	2,642
California Medical Facility (CMF)	1,992	2,229	89.4	2,657
California State Prison, Corcoran (COR)	2,477	2,222	111.5	3,164
California Rehabilitation Center (CRC)	2,804	1,722	162.8	2,579
Correctional Training Facility (CTF)	4,168	2,800	148.9	4,125
Folsom State Prison (FOL)	2,784	2,065	134.8	3,021
High Desert State Prison (HDSP)	2,840	2,337	121.5	3,442
Ironwood State Prison (ISP)	2,948	2,200	134.0	3,283
Kern Valley State Prison (KVSP)	3,138	2,156	145.5	3,136
California State Prison, Los Angeles County (LAC)	3,270	2,200	148.6	3,250
Mule Creek State Prison (MCSP)	3,992	3,088	129.3	3,811
North Kern State Prison (NKSP)	3,104	2,694	115.2	4,011
Pelican Bay State Prison (PBSP)	2,195	1,804	121.7	2,441
Pleasant Valley State Prison (PVSP)	2,871	2,308	124.4	3,433
RJ Donovan Correctional Facility (RJD)	2,863	2,800	102.3	3,750
California State Prison, Sacramento (SAC)	2,147	1,508	142.4	2,265
California Substance Abuse Treatment Facility (SATF)	5,471	3,424	159.8	5,111
Sierra Conservation Center (SCC)	4,004	4,972	80.5	5,904
California State Prison, Solano (SOL)	4,004	2,594	154.4	3,866
San Quentin Rehabilitation Center (SQ)	3,152	3,084	102.2	3,935
Salinas Valley State Prison (SVSP)	2,519	1,760	143.1	2,471
Valley State Prison (VSP)	3,308	1,961	168.7	2,931
Wasco State Prison (WSP)	3,444	2,984	115.4	4,447
Institution Total	90,819	75,640	120.1	102,394

Exhibit B

**Cal Fire Training Academy Documentation of
Facilities Capacity**



DEPARTMENT OF FORESTRY AND FIRE PROTECTION

P.O. Box 944246
SACRAMENTO, CA 94244-2460
(916) 653-7772
Website: www.fire.ca.gov



November 20, 2024

REF: Lone Training Center Bed Count

The CAL FIRE Lone Training Center is located in the City of Lone, in Amador County at 4501 State Highway 104, Lone, CA 95640. The Lone Training Center had two dormitories, (Dormitory 1 and Dormitory 2) and 5 modular buildings utilized for sleeping. Combined, the Lone Training Center has a maximum bed capacity of 238 beds.

Dormitory 1 – 91 beds
Dormitory 2 – 85 beds
Modular Sleeping Buildings - 62 beds

Sincerely,

Nicole Gissell
Assistant Chief
CAL FIRE Training Center

Infiltration and Inflow Analysis Per Water Year (WY)
MCSP Sewer System Contributors

Month	WY 2020											
	Total Average Influent Flow (Mgal/d)	MCIC Average Influent Flow (Mgal/d)	Estimated MCSP + PYCF + CFTA Influent Flow (Mgal/d)	Monthly Rainfall Total (in.)	Estimated MCIC I&I (Mgal/d)	Estimated MCSP + PYCF + CFTA I&I (Mgal/d)	MCSP Population	MCIC Population	Assumed CFTA Population	Estimated Total MCSP + CFTA Population	MCSP gpid	MCIC gpid
October	0.50	0.12	0.38	0.00	0.00	0.00	2540	1511	120	2660	143	79
November	0.52	0.11	0.41	0.68	0.01	0.00	2520	1507	120	2640	155	74
December	0.57	0.11	0.45	5.14	0.01	0.03	2465	1524	120	2585	175	75
January	0.48	0.11	0.37	1.82	0.01	0.00	2464	1543	120	2584	141	74
February	0.48	0.12	0.37	0.01	0.01	0.00	2460	1543	120	2580	142	75
March	0.52	0.12	0.40	0.00	0.00	0.00	2698	1305	120	2818	141	94
April	0.52	0.13	0.39	2.67	0.02	0.00	2661	1287	120	2781	139	100
May ¹	N/A	N/A	N/A	0.00	-	-	2689	1301	120	2809	-	-
June	0.55	0.13	0.42	0.00	0.00	0.00	2690	1302	120	2810	149	99
July	0.54	0.13	0.41	0.00	0.00	0.00	2640	1277	120	2760	149	100
August ²	0.49	0.06	0.43	0.00	0.00	0.00	2577	1247	120	2697	160	48
September	0.50	0.13	0.37	0.00	0.00	0.00	2551	1234	120	2671	138	106
Total	5.66	1.28	4.39	10.32	0.06	0.03	-	-	-	-	-	-
Dry Weather Average / ADWF	0.53	0.11	0.42	-	-	-	2636	1275	120	2756	153	83
Yearly Average / AAF	0.51	0.12	0.40	0.86	0.01	0.00	2580	1382	120	2700	-	-

¹Flow data not available for May

²MCIC flows not provided from August 11 to 25

Infiltration and Inflow Analysis Per Water Year (WY)
MCSP Sewer System Contributors

Month	WY 2021											
	Total Average Influent Flow (Mgal/d)	MCIC Average Influent Flow (Mgal/d)	Estimated MCSP + PYCF + CFTA Influent Flow (Mgal/d)	Monthly Rainfall Total (in.)	Estimated MCIC I&I (Mgal/d)	Estimated MCSP + PYCF + CFTA I&I (Mgal/d)	MCSP Population	MCIC Population	Assumed CFTA Population	Estimated Total MCSP + CFTA Population	MCSP gpid	MCIC gpid
October	0.50	0.13	0.37	0.00	0.00	0.00	2622	1268	120	2742	135	105
November	0.49	0.12	0.37	9.98	0.00	0.00	2638	1276	120	2758	133	94
December	0.51	0.12	0.39	1.35	0.00	0.02	2601	1258	120	2721	143	92
January	0.53	0.13	0.40	6.07	0.00	0.04	2595	1255	120	2715	148	103
February	0.52	0.13	0.40	2.06	0.00	0.03	2602	1259	120	2722	146	99
March	0.52	0.14	0.38	2.34	0.00	0.01	2619	1267	120	2739	139	111
April	0.52	0.14	0.37	0.00	0.00	0.00	2626	1270	120	2746	136	113
May	0.52	0.15	0.37	0.00	0.00	0.00	2636	1275	120	2756	136	114
June	0.51	0.14	0.37	0.00	0.00	0.00	2630	1273	120	2750	133	112
July	0.52	0.14	0.37	0.00	0.00	0.00	2613	1265	120	2733	136	114
August	0.51	0.15	0.36	0.00	0.00	0.00	2590	1253	120	2710	134	116
September	0.50	0.14	0.36	0.06	0.00	0.00	2523	1220	120	2643	135	115
Total	6.14	1.62	4.51	21.86	0.00	0.11	-	-	-	-	-	-
Dry Weather Average / ADWF	0.51	0.14	0.37	-	-	-	2611	1264	120	2731	134	114
Yearly Average / AAF	0.51	0.14	0.38	1.82	0.00	0.01	2608	1260	120	2728	-	-

Infiltration and Inflow Analysis Per Water Year (WY)
MCSP Sewer System Contributors

Month	WY 2022											
	Total Average Influent Flow (Mgal/d)	MCIC Average Influent Flow (Mgal/d)	Estimated MCSP + PYCF + CFTA Influent Flow (Mgal/d)	Monthly Rainfall Total (in.)	Estimated MCIC I&I (Mgal/d)	Estimated MCSP + PYCF + CFTA I&I (Mgal/d)	MCSP Population	MCIC Population	Assumed CFTA Population	Estimated Total MCSP + CFTA Population	MCSP gpid	MCIC gpid
October	0.51	0.14	0.37	0.00	0.00	0.00	2532	1225	120	2652	140	114
November	0.48	0.13	0.35	0.00	0.00	0.00	2535	1227	120	2655	132	107
December	0.57	0.13	0.44	6.61	0.00	0.12	2576	1247	120	2696	163	106
January	0.50	0.12	0.38	0.08	0.00	0.06	2539	1228	120	2659	142	101
February	0.48	0.13	0.35	0.00	0.00	0.00	2534	1226	120	2654	130	108
March	0.48	0.13	0.35	1.24	0.00	0.03	2564	1241	120	2684	130	105
April	0.50	0.13	0.37	2.17	0.00	0.05	2589	1253	120	2709	136	107
May	0.50	0.13	0.37	0.00	0.00	0.00	2572	1244	120	2692	138	107
June ²	0.50	0.13	0.37	0.00	0.00	0.00	2579	1248	120	2699	138	105
July ²	0.51	0.13	0.38	0.00	0.00	0.00	2551	1234	120	2671	142	109
August ^{1,2}	N/A	0.14	0.21	0.09	0.00	0.00	2539	1228	120	2659	80	110
September ^{1,2}	N/A	0.13	-	0.21	0.00	-	2543	1230	120	2663	-	110
Total	5.05	1.32	3.72	10.31	0.00	0.25	-	-	-	-	-	-
Dry Weather Average / ADWF	0.46	0.13	0.32	-	-	-	2556	1237	120	2676	120	108
Yearly Average / AAF	0.50	0.13	0.37	1.01	0.00	0.02	2554	1235	120	2674	-	-

¹Influent flow readings unavailable due to faulty check valve at WWTP headworks

²CalFire flows unavailable due to inoperable flow meter

Infiltration and Inflow Analysis Per Water Year (WY)
MCSP Sewer System Contributors

Month	WY 2023											
	Total Average Influent Flow (Mgal/d)	MCIC Average Influent Flow (Mgal/d)	Estimated MCSP + PYCF + CFTA Influent Flow (Mgal/d)	Monthly Rainfall Total (in.)	Estimated MCIC I&I (Mgal/d)	Estimated MCSP + PYCF + CFTA I&I (Mgal/d)	MCSP Population	MCIC Population	Assumed CFTA Population	Estimated total MCSP + CFTA Population	MCSP gpid	MCIC gpid
October ^{1,2}	N/A	0.13	N/A	0.00	N/A	N/A	2555	1236	120	2675	N/A	107
November ^{1,2}	N/A	0.12	N/A	1.89	N/A	N/A	2562	1239	120	2682	N/A	100
December ^{1,2}	N/A	0.13	N/A	9.42	N/A	N/A	2568	1242	120	2688	N/A	103
January ^{1,2}	N/A	0.13	N/A	9.73	N/A	N/A	2577	1247	120	2697	N/A	102
February ²	0.51	0.13	0.38	2.19	0.00	0.00	2595	1255	120	2715	139	105
March ²	0.58	0.13	0.46	6.27	0.00	0.08	2585	1250	120	2705	168	102
April	0.49	0.13	0.36	0.26	0.00	0.00	2595	1256	120	2715	132	105
May ³	0.50	0.10	0.40	0.46	0.00	0.02	2592	1254	120	2712	147	83
June	0.52	0.14	0.38	0.03	0.00	0.01	2614	1265	120	2734	139	107
July	0.51	0.13	0.38	0.00	0.00	0.00	2586	1251	120	2706	140	107
August	0.50	0.13	0.36	0.00	0.00	0.00	2580	1248	120	2700	134	108
September	0.49	0.13	0.36	0.43	0.00	0.00	2574	1246	120	2694	133	107
Total	4.10	1.54	3.07	30.68	0.00	0.12	-	-	-	-	-	-
Dry Weather Average / ADWF	0.51	0.13	0.37	-	-	-	2593	1255	120	2713	138	107
Yearly Average / AAF	0.51	0.13	0.38	2.56	0.00	0.01	2582	1249	120	2702	-	-

¹Influent flow readings unavailable due to faulty check valve at WWTP headworks

²CalFire flows unavailable due to inoperable flow meter

³MCIC flows unavailable due to SCADA malfunction at lift station from May 25 to May 31

Infiltration and Inflow Analysis Per Water Year (WY)
MCSP Sewer System Contributors

Month	WY 2024													
	Total Average Influent Flow (Mgal/d)	MCIC Average Influent Flow (Mgal/d)	Estimated MCSP + PYCF + CFTA Influent Flow (Mgal/d)	Estimated MCSP + PYCF + CFTA Influent Flow W/O Leakage (Mgal/d)	Monthly Rainfall Total (in.)	Estimated MCIC I&I (Mgal/d)	Estimated MCSP + PYCF + CFTA I&I (Mgal/d)	MCSP Population	MCIC Population	Assumed CFTA Population	Estimated total MCSP + CFTA Population	MCSP gpid	MCIC gpid	
October	0.49	0.13	0.36	0.36	0.00	0.00	0.00	2563	1240	120	2683	133	108	
November	0.48	0.13	0.35	0.35	1.06	0.00	0.00	2558	1238	120	2678	132	104	
December	0.49	0.13	0.36	0.36	2.11	0.00	0.00	2579	1248	120	2699	134	103	
January ^{1,2}	0.54	0.13	0.41	0.41	3.86	0.00	0.04	2652	1283	120	2772	148	105	
February ^{1,2}	0.59	0.14	0.46	0.42	4.49	0.00	0.04	2649	1282	120	2769	150	106	
March ^{1,2}	0.57	0.13	0.43	0.39	3.19	0.00	0.02	2661	1287	120	2781	140	104	
April ^{1,2}	0.56	0.14	0.42	0.38	1.73	0.00	0.01	2667	1291	120	2787	136	110	
May ^{1,2}	0.54	0.14	0.41	0.37	0.75	0.00	0.00	2681	1297	120	2801	130	106	
June ^{1,2}	0.56	0.14	0.42	0.38	0.00	0.00	0.00	2673	1294	120	2793	135	110	
July ^{1,2}	0.55	0.14	0.41	0.37	0.00	0.00	0.00	2675	1295	120	2795	133	106	
August ^{1,2}	0.55	0.14	0.41	0.37	0.00	0.00	0.00	2706	1309	120	2826	131	105	
September ^{1,2}	0.55	0.14	0.41	0.37	0.00	0.00	0.00	2690	1302	120	2810	130	106	
Total	6.49	1.63	4.86	4.52	17.19	0.00	0.10	-	-	-	-	-	-	
Dry Weather Average / ADWF	0.55	0.14	0.42	0.37	-	-	-	2685	1299	120	2805	133	107	
Yearly Average / AAF	0.54	0.14	0.40	0.38	1.43	0.00	0.01	2646	1279	120	2766	-	-	

¹Substantial water leak detected at PYCF, values adjusted to account for expected influent flows without leakage

²CalFire flows unavailable due to inoperable flow meter

Exhibit D

Water Balance Scenarios

MULE CREEK STATE PRISON												Scenario 1		FILE: 2518-0050							
RECENT AVERAGE OCCUPANCY ADWF WATER BALANCE UNDER AVG YEAR TYPE HYDROLOGIC CONDITIONS, NO OFF-SITE DISCHARGES														2/13/2025							
INPUT DATA, CONSTANT																					
SANITARY FLOW CHARACTERISTICS				EXISTING STORAGE RESERVOIRS				CLIMATOLOGICAL FACTORS													
STARTING AVERAGE FLOW (MGD).....				0.54				CATCHMENT AREA (AC).....				27.0				CLIMATOLOGICAL DESIGN BASIS				Avg. Year Cond.	
								WATER SURFACE (AC).....				21.6				DESIGN PRECIP/AVG PRECIP RATIO.....				1.00	
								BOTTOM SURFACE (AC).....				9.6				OCT-APR EVAPI/AVG EVAP RATIO.....				1.00	
POST MCIC IRRIGATION AREA TOTAL (AC).....				200				STORAGE AVAILABLE (MG).....				155				MAY-SEP EVAPI/AVG EVAP RATIO.....				1.00	
POST MCIC IRRIGATION FIELDS 1-4 & 6 AREA (AC).....				157				EFFECTIVE STORAGE PERCOLATION RATE (IN/DAY).....				0.40				IRRIGATION AREA SOIL RUNOFF COEFFICIENT.....				0.05	
POST MCIC IRRIGATION FIELD 7 AREA (AC).....				43				EXISTING WWTP PROCESS AREAS								STORAGE CATCHMENT SOIL RUNOFF COEFF.....				0.50	
POST MCIC NEW AREA (AC).....				0				OXIDATION DITCH SURFACE AREA (AC).....				0.28				STORAGE CATCHMENT RESERVOIR RUNOFF COEFF.....				1.00	
POST MCIC NEW AREA W/II RESERVOIR (AC).....				0				COMBINED CLARIFIER SURFACE AREA (AC).....				0.18									
IRRIGATION FIELD 7 MAX APPLICATION EFFICIENCY.....				1.10				CHLORINE CONTACT BASIN SURFACE AREA (AC).....				0.7									
IRRIGATION FIELDS 1-4 & 6 MAX APPLICATION EFFICIENCY.....				0.60				TOTAL TREATMENT PROCESS SURFACE AREA (AC).....				1.2									
INPUT DATA, MONTHLY VARIABLE																					
MONTH	ANNUAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP								
DAYS IN MONTH	365	31	30	31	31	28	31	30	31	30	31	31	30								
AVERAGE DRY WEATHER FLOW (MGD)		0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54								
AVG PRECIP, AVG OF IONE & PARDEE (IN)	21.8	0.31	1.17	2.69	3.49	4.52	3.35	3.29	1.82	0.74	0.26	0.05	0.10								
ZONE 14 TYPICAL YEAR REFERENCE EVAPOTRANSPIRATION (Eto) (IN)	56.2	3.86	1.25	1.14	0.73	2.36	4.13	5.82	7.62	8.00	8.36	7.11	5.82								
ZONE 12 WET REFERENCE EVAPOTRANSPIRATION (Eto) (IN)	53.4	3.72	1.80	0.93	1.24	1.96	3.41	5.10	6.82	7.80	8.06	7.13	5.40								
WATER SURFACE EVAPORATION COEFFICIENT		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
CROP COEFFICIENT (Kc), EXISTING GRASSES		0.85	0.74	0.93	1.18	0.65	0.65	0.84	1.00	1.01	1.00	1.02	0.99								
CROP COEFFICIENT (Kc), TREES (OAKS)		0.69	0.48	0.93	1.18	0.39	0.30	0.43	0.86	0.94	0.93	0.95	0.92								
WEIGHTED Kc CROP COEFFICIENT FOR MCSP SITE		0.82	0.68	0.93	1.18	0.60	0.58	0.76	0.97	1.00	0.99	1.01	0.97								
MCIC FACILITY II VOLUME (MGD)	0.000	0.000	0.001	0.002	0.002	0.002	0.000	0.005	0.000	0.000	0.000	0.000	0.000								
MCSP, PYCF, CAL FIRE FACILITY III VOLUME (MGD)	0.000	0.000	0.000	0.043	0.032	0.026	0.035	0.011	0.006	0.001	0.000	0.000	0.000								
TOTAL II VOLUME (MGD)	0.000	0.000	0.001	0.045	0.034	0.028	0.035	0.016	0.006	0.001	0.000	0.000	0.000								
TOTAL INFLUENT FLOW RATE (MGD)		0.54	0.54	0.58	0.57	0.56	0.57	0.55	0.54	0.54	0.54	0.54	0.54								
CALCULATIONS																					
CALCULATIONS / MONTH	ANNUAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP								
RAIN-RELATED CALCULATIONS																					
PERCENT ANNUAL RAINFALL/MONTH (%)		1.4%	5.4%	12.4%	16.0%	20.8%	15.4%	15.1%	8.4%	3.4%	1.1%	0.3%	0.4%								
ESTIMATED IONE RAIN, Avg. Year Cond. (IN)	21.8	0.31	1.17	2.69	3.49	4.52	3.35	3.29	1.82	0.74	0.25	0.06	0.10								
EFFECTIVE RAIN FOR PLANTS (IN)	20.7	0.29	1.11	2.56	3.32	4.29	3.18	3.12	1.73	0.70	0.23	0.05	0.09								
EVAPORATION-RELATED CALCULATIONS																					
EVAPOTRANSPIRATION POTENTIAL (IN) (Eto) (Eto * Weighted Kc)	51	3.16	0.86	1.06	0.86	1.42	2.40	4.41	7.38	7.97	8.24	7.15	5.67								
Avg. Year Cond. DESIGN ET POTENTIAL (IN) (Etc * Seasonal Evaporation Ratio)	51	3.16	0.86	1.06	0.86	1.42	2.40	4.41	7.38	7.97	8.24	7.15	5.67								
WWTP / STORAGE RESERVOIR EVAPORATION (IN) (Eto * Water Surface Coefficient)	56	3.86	1.25	1.14	0.73	2.36	4.13	5.82	7.62	8.00	8.36	7.11	5.82								
SANITARY-RELATED CALCULATIONS																					
AVERAGE DRY WEATHER FLOW VOLUME (MG)	195	16.6	16.1	16.6	16.6	15.0	16.6	16.1	16.6	16.1	16.6	16.6	16.6								
II FLOW VOLUME (MG)	5	0.00	0.04	1.40	1.06	0.79	1.08	0.48	0.19	0.04	0.00	0.00	0.01								
TOTAL INFLUENT FLOW VOLUME (MG)	201	16.7	16.2	18.0	17.7	15.8	17.7	16.6	16.8	16.2	16.7	16.7	16.7								
DESIGN DISCHARGE TO FIELD 7																					
BEGINNING AVAILABLE RAIN WATER IN SOIL (IN)		0.00	0.00	0.26	1.75	4.20	4.20	4.20	2.91	0.00	0.00	0.00	0.00								
LAND AREA UNDER IRRIGATION (AC)	43	43	43	43	43	43	43	43	43	43	43	43	43								
POTENTIAL Avg. Year Cond. EFFLUENT APPLICATION RATE (IN/MONTH)	37	3.15	0.00	0.00	0.00	0.00	0.00	0.00	3.01	8.00	8.81	7.81	6.14								
POTENTIAL Avg. Year Cond. EFFLUENT APPLICATION VOLUME (MG)	43	3.68	0.00	0.00	0.00	0.00	0.00	0.00	3.52	9.34	10.29	9.12	7.16								
MAX EFFLUENT VOLUME AVAILABLE FOR LAND (MG)		16.7	18.1	33.3	48.7	62.8	79.2	92.7	103.2	96.1	79.2	59.5	43.3								
AVAILABLE EFFLUENT APPLIED TO LAND (MG)	43	3.68	0.00	0.00	0.00	0.00	0.00	0.00	3.52	9.34	10.29	9.12	7.16								
AVERAGE EFFLUENT DISCHARGE RATE TO FIELD 7 (MGD)		0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.31	0.33	0.29	0.24								
EFFLUENT IRRIGATION RATE (IN/MONTH)	37	3.15	0.00	0.00	0.00	0.00	0.00	0.00	3.01	8.00	8.81	7.81	6.14								
DESIGN DISCHARGE TO FIELDS 1-4 & 6																					
BEGINNING AVAILABLE RAIN WATER IN SOIL (IN)		0.00	0.00	0.26	0.28	0.28	0.28	0.28	0.00	0.00	0.00	0.00	0.00								
LAND AREA UNDER IRRIGATION (AC)	157	157	157	157	157	157	157	157	157	157	157	157	157								
POTENTIAL Avg. Year Cond. EFFLUENT APPLICATION RATE (IN/MONTH)	22	1.72	0.00	0.00	0.00	0.00	0.00	0.00	0.61	3.39	4.36	4.81	4.26								
POTENTIAL Avg. Year Cond. EFFLUENT APPLICATION VOLUME (MG)	96	7.32	0.00	0.00	0.00	0.00	0.00	0.00	2.58	14.45	18.60	20.49	18.16								
REMAINING EFFLUENT VOLUME AVAILABLE FOR LAND (MG)		13.02	18.13	33.27	48.74	62.84	79.17	92.74	99.68	86.73	68.92	50.38	36.14								
REMAINING AVAILABLE EFFLUENT APPLIED TO LAND (MG)	96	7.32	0.00	0.00	0.00	0.00	0.00	0.00	2.58	14.45	18.60	20.49	18.16								
AVERAGE EFFLUENT DISCHARGE RATE (MGD)		0.24	0.00	0.00	0.00	0.00	0.00	0.09	0.47	0.62	0.66	0.59	0.48								
EFFLUENT IRRIGATION RATE (IN/MONTH)	22	1.72	0.00	0.00	0.00	0.00	0.00	0.00	0.61	3.39	4.36	4.81	4.26								
DESIGN DISCHARGE TO COWRP																					
AVERAGE COWRP DISCHARGE (MGD)		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00								
MONTHLY DISCHARGE TO COWRP (MG)	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0								
HISTORICAL AVERAGE DISCHARGE TO COWRP (MG)	93.8	8.9	3.4	0.2	2.4	1.1	0.0	0.9	3.9	9.3	15.0	27.7	21.1								
CDCR/ARSA AGREEMENT LIMITED PRESTON DISCHARGE (MG)	114	1.8	1.8	1.8	1.8	1.8	1.8	17.3	17.3	17.3	17.3	17.3	17.3								
CDCR/ARSA AGREEMENT LIMITED PRESTON DISCHARGE (ACFT)	350	5.4	5.4	5.4	5.4	5.4	5.4	53.0	53.0	53.0	53.0	53.0	53.0								
DESIGN LOSSES AND GAINS FROM STORAGE																					
STORAGE AT BEGINNING OF MONTH (MG)		0.00	1.93	15.27	31.04	47.04	61.47	76.14	86.40	79.87	62.51	42.80	27.20								
EFFLUENT STORAGE VOLUME GAIN/LOSS (MG)		5.71	16.20	18.00	17.70	15.80	17.70	14.02	-1.17	-11.74	-14.07	-10.58	-5.33								
UNADJUSTED STORAGE VOLUME (MG)		5.71	18.13	33.27	48.74	62.84	79.17	90.16	85.23	68.13	48.43	32.22	21.87								
APPROXIMATE EFFECTIVE RESERVOIR EVAP AREA (AC)		5.3	6.7	8.3	10.0	11.6	13.3	14.6	14.0	12.1	10.0	8.2	7.1								
APPROXIMATE EFFECTIVE RESERVOIR PERC AREA (AC)		9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6								
APPROXIMATE AREA OF WWTP PROCESSES (AC)		1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2								
EVAPORATIVE LOSS FROM STORAGE (MG)	18	0.68	0.27	0.29	0.22	0.82	1.63	2.48	3.14	2.89	2.53	1.81	1.30								
PERCOLATION LOSS FROM STORAGE (MG)	38	3.23	3.13	3.23	3.23	2.92	3.23	3.13	3.23	3.13	3.23	3.23	3.13								
RUNOFF TO STORAGE FROM RAIN CATCHMENT AREA (MG)	11	0.14	0.53	1.29	1.75	2.36	1.83	1.85	1.01	0.39	0.12	0.03	0.04								
PRECIP CAPTURED BY WWTP PROCESS AREAS (MG)	1	0.02	0.07	0.17	0.22	0.28	0.21	0.21	0.11	0.05	0.02	0.00	0.01								
STORAGE AT END OF MONTH (MG)		1.93	15.27	31.04	47.04	61.47	76.14	86.40	79.87	62.51	42.80	27.20	17.49								
														MAXIMUM STORAGE REQUIRED (MG).....		86.4					
														TOTAL AVAILABLE STORAGE (MG).....		155.0					
SUMMARY																					
ANNUAL INFLOWS (MG)																					
WASTEWATER.....	195	ANNUAL OUTFLOWS (MG)																			
INFLOW AND INFILTRATION.....	5	EVAPORATION.....														18					
PRECIPITATION INTO WWTP AND RESERVOIR.....	13	PERCOLATION.....														38					
		ON-SITE LAND DISPOSAL.....														139					
		DISCHARGE TO COWRP.....														0					
TOTAL INFLOW.....	213	TOTAL OUTFLOW.....														195					
OVERALL BALANCE (MUST NOT BE NEGATIVE)																					
														TOTAL UNUSED DISPOSAL CAPACITY (MG).....		-18					
														UNUSED LAA CAPACITY (MG).....		0					
														UNUSED COWRP CAPACITY (MG).....		0					
														TOTAL UNUSED STORAGE CAPACITY (MG).....		69					

MULE CREEK STATE PRISON										Scenario 1		FILE: 2518-0050							
RECENT AVERAGE OCCUPANCY ADWF WATER BALANCE UNDER 1-in-100 YEAR TYPE HYDROLOGIC CONDITIONS, NO OFF-SITE DISCHARGES										2/13/2025									
INPUT DATA, CONSTANT																			
SANITARY FLOW CHARACTERISTICS				EXISTING STORAGE RESERVOIRS				CLIMATOLOGICAL FACTORS											
STARTING AVERAGE FLOW (MGD).....		0.54		CATCHMENT AREA (AC).....		27.0		CLIMATOLOGICAL DESIGN BASIS		1-in-100 YEAR									
				WATER SURFACE (AC).....		21.6		DESIGN PRECIP/AVG PRECIP RATIO.....				1.81							
				BOTTOM SURFACE (AC).....		9.6		OCT-APR EVAP/AVG EVAP RATIO.....				0.75							
				STORAGE AVAILABLE (MG).....		155		MAY-SEP EVAP/AVG EVAP RATIO.....				1.00							
				EFFECTIVE STORAGE PERCOLATION RATE (IN/DAY).....		0.40		IRRIGATION AREA SOIL RUNOFF COEFFICIENT				0.05							
								STORAGE CATCHMENT SOIL RUNOFF COEFF.....				0.50							
								STORAGE CATCHMENT RESERVOIR RUNOFF COEFF.....				1.00							

MULE CREEK STATE PRISON				Scenario 1				FILE: 2518-0050						
RECENT AVERAGE OCCUPANCY ADWF WATER BALANCE UNDER AVG YEAR FOLLOWING 1 IN 100 YEAR HYDROLOGIC CONDITIONS, NO OFF-SITE DISCHARGES												2/13/2025		
INPUT DATA, CONSTANT														
SANITARY FLOW CHARACTERISTICS				EXISTING STORAGE RESERVOIRS				CLIMATOLOGICAL FACTORS						
STARTING AVERAGE FLOW (MGD).....		0.54		CATCHMENT AREA (AC).....		27.0		CLIMATOLOGICAL DESIGN BASIS				Avg. Year Cond.		
IRRIGATION AREA CHARACTERISTICS				WATER SURFACE (AC).....		21.6		DESIGN PRECIP/AVG PRECIP RATIO.....				1.00		
				BOTTOM SURFACE (AC).....		9.6		OCT-APR EVAP/AVG EVAP RATIO.....				1.00		
				STORAGE AVAILABLE (MG).....		155		MAY-SEP EVAP/AVG EVAP RATIO.....				1.00		
POST MCIC IRRIGATION AREA TOTAL (AC).....		200		EFFECTIVE STORAGE PERCOLATION RATE (IN/DAY).....		0.40		IRRIGATION AREA SOIL RUNOFF COEFFICIENT				0.05		
POST MCIC IRRIGATION FIELDS 1-4 & 6 AREA (AC).....		157		EXISTING WWTP PROCESS AREAS				STORAGE CATCHMENT SOIL RUNOFF COEFF.....				0.50		
POST MCIC IRRIGATION FIELD 7 AREA (AC).....		43		OXIDATION DITCH SURFACE AREA (AC).....		0.28		STORAGE CATCHMENT RESERVOIR RUNOFF COEFF.....				1.00		
POST MCIC NEW AREA (AC).....		0		COMBINED CLARIFIER SURFACE AREA (AC).....		0.18								
POST MCIC NEW AREA W/ I RESERVOIR (AC).....		0		CHLORINE CONTACT BASIN SURFACE AREA (AC).....		0.7								
IRRIGATION FIELD 7 MAX APPLICATION EFFICIENCY		1.10		TOTAL TREATMENT PROCESS SURFACE AREA (AC).....		1.2								
IRRIGATION FIELDS 1-4 & 6 MAX APPLICATION EFFICIENCY		0.60												
INPUT DATA, MONTHLY VARIABLE														
MONTH	ANNUAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
DAYS IN MONTH	365	31	30	31	31	28	31	30	31	30	31	31	30	
AVERAGE DRY WEATHER FLOW (MGD)		0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	
AVG PRECIP, AVG OF IONE & PARDEE (IN)	21.8	0.31	1.17	2.69	3.49	4.52	3.35	3.29	1.82	0.74	0.25	0.06	0.10	
ZONE 14 TYPICAL YEAR REFERENCE EVAPOTRANSPIRATION (ETo) (IN)	56.2	3.86	1.25	1.14	0.73	2.36	4.13	5.82	7.62	8.00	8.36	7.11	5.82	
WATER SURFACE EVAPORATION COEFFICIENT		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
CROP COEFFICIENT (Kc), EXISTING GRASSES		0.85	0.74	0.93	1.18	0.65	0.65	0.84	1.00	1.01	1.00	1.02	0.99	
CROP COEFFICIENT (Kc), TREES (OAKS)		0.69	0.48	0.93	1.18	0.39	0.30	0.43	0.86	0.94	0.93	0.95	0.92	
WEIGHTED CROP COEFFICIENT FOR MCSP SITE		0.82	0.68	0.93	1.18	0.60	0.58	0.76	0.97	1.00	0.99	1.01	0.97	
MCIC FACILITY I/I VOLUME (MGD)		0.000	0.001	0.002	0.002	0.002	0.000	0.005	0.000	0.000	0.000	0.000	0.000	
MCSP, PYCF, CAL FIRE FACILITY I/I VOLUME (MGD)		0.000	0.000	0.043	0.032	0.026	0.035	0.011	0.006	0.001	0.000	0.000	0.000	
TOTAL I/I VOLUME (MGD)		0.000	0.001	0.045	0.034	0.028	0.035	0.016	0.006	0.001	0.000	0.000	0.000	
TOTAL INFLUENT FLOW RATE (MGD)		0.54	0.54	0.58	0.57	0.56	0.57	0.55	0.54	0.54	0.54	0.54	0.54	
CALCULATIONS														
CALCULATIONS / MONTH	ANNUAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
RAIN-RELATED CALCULATIONS														
PERCENT ANNUAL RAINFALL/MONTH (%)		1.4%	5.4%	12.4%	16.0%	20.8%	15.4%	15.1%	8.4%	3.4%	1.1%	0.3%	0.4%	
ESTIMATED IONE RAIN, Avg. Year Cond. (IN)	21.8	0.31	1.17	2.69	3.49	4.52	3.35	3.29	1.82	0.74	0.25	0.06	0.10	
EFFECTIVE RAIN FOR PLANTS (IN)	20.7	0.29	1.11	2.56	3.32	4.29	3.18	3.12	1.73	0.70	0.23	0.05	0.09	
EVAPORATION-RELATED CALCULATIONS														
EVAPOTRANSPIRATION POTENTIAL (IN) (ETc) (ETo * Weighted Kc)	51	3.16	0.86	1.06	0.86	1.42	2.40	4.41	7.38	7.97	8.24	7.15	5.67	
Avg. Year Cond. DESIGN ET POTENTIAL (IN) (ETc * Seasonal Evaporation Ratio)	51	3.16	0.86	1.06	0.86	1.42	2.40	4.41	7.38	7.97	8.24	7.15	5.67	
WWTP / STORAGE RESERVOIR EVAPORATION (IN) (ETo * Water Surface Coefficient)	56	3.86	1.25	1.14	0.73	2.36	4.13	5.82	7.62	8.00	8.36	7.11	5.82	
SANITARY-RELATED CALCULATIONS														
AVERAGE DRY WEATHER FLOW VOLUME (MG)	195	16.6	16.1	16.6	16.6	15.0	16.6	16.1	16.6	16.1	16.6	16.6	16.1	
I/I FLOW VOLUME (MG)	5	0.00	0.04	1.40	1.06	0.79	1.08	0.48	0.19	0.04	0.00	0.00	0.01	
TOTAL INFLUENT FLOW VOLUME (MG)	201	16.7	16.2	18.0	17.7	15.8	17.7	16.6	16.8	16.2	16.7	16.7	16.1	
DESIGN DISCHARGE TO FIELD 7														
BEGINNING AVAILABLE RAIN WATER IN SOIL (IN)		0.00	0.00	0.26	1.75	4.20	4.20	4.20	2.91	0.00	0.00	0.00	0.00	
LAND AREA UNDER IRRIGATION (AC)		43	43	43	43	43	43	43	43	43	43	43	43	
POTENTIAL Avg. Year Cond. EFFLUENT APPLICATION RATE (IN/MONTH)	37	3.15	0.00	0.00	0.00	0.00	0.00	0.00	3.01	8.00	8.81	7.81	6.14	
POTENTIAL Avg. Year Cond. EFFLUENT APPLICATION VOLUME (MG)	43	3.68	0.00	0.00	0.00	0.00	0.00	0.00	3.52	9.34	10.29	9.12	7.16	
MAX EFFLUENT VOLUME AVAILABLE FOR LAND (MG)		93.0	93.6	108.6	124.1	138.4	154.7	167.7	177.2	168.6	150.1	128.7	111.0	
AVAILABLE EFFLUENT APPLIED TO LAND (MG)	43	3.68	0.00	0.00	0.00	0.00	0.00	0.00	3.52	9.34	10.29	9.12	7.16	
AVERAGE EFFLUENT DISCHARGE RATE TO FIELD 7 (MGD)		0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.31	0.33	0.29	0.24	
EFFLUENT IRRIGATION RATE (IN/MONTH)	37	3.15	0.00	0.00	0.00	0.00	0.00	0.00	3.01	8.00	8.81	7.81	6.14	
DESIGN DISCHARGE TO FIELDS 1-4 & 6														
BEGINNING AVAILABLE RAIN WATER IN SOIL (IN)		0.00	0.00	0.26	0.28	0.28	0.28	0.28	0.00	0.00	0.00	0.00	0.00	
LAND AREA UNDER IRRIGATION (AC)		157	157	157	157	157	157	157	157	157	157	157	157	
POTENTIAL Avg. Year Cond. EFFLUENT APPLICATION RATE (IN/MONTH)	22	1.72	0.00	0.00	0.00	0.00	0.00	0.61	3.39	4.36	4.81	4.26	3.35	
POTENTIAL Avg. Year Cond. EFFLUENT APPLICATION VOLUME (MG)	96	7.32	0.00	0.00	0.00	0.00	0.00	2.58	14.45	18.60	20.49	18.16	14.27	
REMAINING EFFLUENT VOLUME AVAILABLE FOR LAND (MG)		89.29	93.56	108.55	124.06	138.39	154.69	167.72	173.73	159.30	139.84	119.56	103.87	
REMAINING AVAILABLE EFFLUENT APPLIED TO LAND (MG)	96	7.32	0.00	0.00	0.00	0.00	0.00	2.58	14.45	18.60	20.49	18.16	14.27	
AVERAGE EFFLUENT DISCHARGE RATE (MGD)		0.24	0.00	0.00	0.00	0.00	0.00	0.09	0.47	0.62	0.66	0.59	0.48	
EFFLUENT IRRIGATION RATE (IN/MONTH)	22	1.72	0.00	0.00	0.00	0.00	0.00	0.61	3.39	4.36	4.81	4.26	3.35	
DESIGN DISCHARGE TO COWRP														
AVERAGE COWRP DISCHARGE (MGD)		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
MONTHLY DISCHARGE TO COWRP (MG)	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
HISTORICAL AVERAGE DISCHARGE TO COWRP (MG)	93.8	8.9	3.4	0.2	2.4	1.1	0.0	0.9	3.9	9.3	15.0	27.7	21.1	
CDCR/ARSA AGREEMENT LIMITED PRESTON DISCHARGE (MG)	114	1.8	1.8	1.8	1.8	1.8	1.8	17.3	17.3	17.3	17.3	17.3	17.3	
CDCR/ARSA AGREEMENT LIMITED PRESTON DISCHARGE (ACFT)	350	5.4	5.4	5.4	5.4	5.4	5.4	53.0	53.0	53.0	53.0	53.0	53.0	
DESIGN LOSSES AND GAINS FROM STORAGE														
STORAGE AT BEGINNING OF MONTH (MG)		76.27	77.36	90.55	106.36	122.59	136.99	151.12	160.44	152.44	133.43	111.98	94.93	
EFFLUENT STORAGE VOLUME GAIN/LOSS (MG)		5.71	16.20	18.00	17.70	15.80	17.70	14.02	-1.17	-11.74	-14.07	-10.58	-5.33	
UNADJUSTED STORAGE VOLUME (MG)		81.97	93.56	108.55	124.06	138.39	154.69	165.13	159.27	140.70	119.35	101.40	89.60	
APPROXIMATE EFFECTIVE RESERVOIR EVAP AREA (AC)		13.7	14.9	16.6	18.3	19.8	21.6	22.8	22.1	20.1	17.7	15.8	14.5	
APPROXIMATE EFFECTIVE RESERVOIR PERC AREA (AC)		9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	
APPROXIMATE AREA OF WWTP PROCESSES (AC)		1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
EVAPORATIVE LOSS FROM STORAGE (MG)	30	1.55	0.55	0.55	0.38	1.35	2.55	3.78	4.82	4.61	4.29	3.27	2.47	
PERCOLATION LOSS FROM STORAGE (MG)	38	3.23	3.13	3.23	3.23	2.92	3.23	3.13	3.23	3.13	3.23	3.23	3.13	
RUNOFF TO STORAGE FROM RAIN CATCHMENT AREA (MG)	14	0.17	0.67	1.59	2.14	2.87	2.21	2.22	1.21	0.47	0.15	0.03	0.05	
PRECIP CAPTURED BY WWTP PROCESS AREAS (MG)	1	0.02	0.07	0.17	0.22	0.28	0.21	0.21	0.11	0.05	0.02	0.00	0.01	
STORAGE AT END OF MONTH (MG)		77.36	90.55	106.36	122.59	136.99	151.12	160.44	152.44	133.43	111.98	94.93	84.05	
												MAXIMUM STORAGE REQUIRED (MG).....	160.4	
												TOTAL AVAILABLE STORAGE (MG).....	155.0	
SUMMARY														
ANNUAL INFLOWS (MG)				ANNUAL OUTFLOWS (MG)				OVERALL BALANCE (MUST NOT BE NEGATIVE)						
WASTEWATER.....	195				EVAPORATION.....	30				TOTAL UNUSED DISPOSAL CAPACITY (MG)				-8
INFLOW AND INFILTRATION.....	5				PERCOLATION.....	38				TOTAL UNUSED LAACAPACITY (MG)				0
PRECIPITATION INTO WWTP AND RESERVOIR.....	15				ON-SITE LAND DISPOSAL.....	139				TOTAL UNUSED COWRP CAPACITY (MG)				0
				DISCHARGE TO COWRP.....								TOTAL UNUSED STORAGE CAPACITY (MG)		-5
TOTAL INFLOW		215		TOTAL OUTFLOW		207								

MULE CREEK STATE PRISON										Scenario 1			FILE: 2518-0050								
RECENT AVERAGE OCCUPANCY ADWF WATER BALANCE UNDER 1-in-100 YEAR TYPE HYDROLOGIC CONDITIONS, EXPANDED LAAs													2/13/2025								
INPUT DATA, CONSTANT																					
SANITARY FLOW CHARACTERISTICS				EXISTING STORAGE RESERVOIRS				CLIMATOLOGICAL FACTORS													
STARTING AVERAGE FLOW (MGD).....				CATCHMENT AREA (AC).....				CLIMATOLOGICAL DESIGN BASIS													
				27.0				1-in-100 YEAR													
				WATER SURFACE (AC).....				DESIGN PRECIP/AVG PRECIP RATIO.....													
				21.6				1.81													
				BOTTOM SURFACE (AC).....				OCT-APR EVAP/AVG EVAP RATIO.....													
				9.6				0.75													
				STORAGE AVAILABLE (MG).....				MAY-SEP EVAP/AVG EVAP RATIO.....													
				155				1.00													
				EFFECTIVE STORAGE PERCOLATION RATE (IN/DAY).....				IRRIGATION AREA SOIL RUNOFF COEFFICIENT													
				0.40				STORAGE CATCHMENT SOIL RUNOFF COEFF.....													
								0.50													

MULE CREEK STATE PRISON				Scenario 1				FILE: 2518-0050					
RECENT AVERAGE OCCUPANCY ADWF WATER BALANCE UNDER 1-in-100 YEAR TYPE HYDROLOGIC CONDITIONS, EXISTING LAAs + DISCHARGE TO COWRP												2/13/2025	
INPUT DATA, CONSTANT													
SANITARY FLOW CHARACTERISTICS				EXISTING STORAGE RESERVOIRS				CLIMATOLOGICAL FACTORS					
STARTING AVERAGE FLOW (MGD).....				CATCHMENT AREA (AC).....				CLIMATOLOGICAL DESIGN BASIS					1-in-100 YEAR
0.54				WATER SURFACE (AC).....				DESIGN PRECIP/AVG PRECIP RATIO.....					1.81
200				BOTTOM SURFACE (AC).....				OCT-APR EVAP/AVG EVAP RATIO.....					0.75
157				STORAGE AVAILABLE (MG).....				MAY-SEP EVAP/AVG EVAP RATIO.....					1.00
43				EFFECTIVE STORAGE PERCOLATION RATE (IN/DAY).....				IRRIGATION AREA SOIL RUNOFF COEFFICIENT					0.05
0				OXIDATION DITCH SURFACE AREA (AC).....				STORAGE CATCHMENT SOIL RUNOFF COEFF.....					0.50
0				COMBINED CLARIFIER SURFACE AREA (AC).....				STORAGE CATCHMENT RESERVOIR RUNOFF COEFF.....					1.00
1.10				CHLORINE CONTACT BASIN SURFACE AREA (AC).....									
0.60				TOTAL TREATMENT PROCESS SURFACE AREA (AC).....									
INPUT DATA, MONTHLY VARIABLE													
MONTH	ANNUAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
DAYS IN MONTH	365	31	30	31	31	28	31	30	31	30	31	31	30
AVERAGE DRY WEATHER FLOW (MGD)		0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
AVG PRECIP, AVG OF IONE & PARDEE (IN)	21.8	0.31	1.17	2.69	3.49	4.52	3.35	3.29	1.82	0.74	0.25	0.06	0.10
ZONE 14 WET YEAR REFERENCE EVAPOTRANSPIRATION (ETo) (IN)	45.6	3.86	1.19	1.17	0.41	0.87	2.90	4.30	4.13	6.63	7.87	7.21	5.01
WATER SURFACE EVAPORATION COEFFICIENT		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
CROP COEFFICIENT (Kc), EXISTING MISC. GRASSES		0.92	1.11	0.95	1.15	1.17	1.10	1.03	1.13	1.02	1.00	1.00	1.00
CROP COEFFICIENT (Kc), TREES (OAKS)		0.75	0.92	0.94	1.05	1.10	0.85	0.89	1.13	0.98	0.90	0.94	0.92
WEIGHTED CROP COEFFICIENT FOR MCSP SITE		0.88	1.07	0.95	1.13	1.16	1.05	1.00	1.13	1.01	0.98	0.99	0.98
PRESTON YOUTH FACILITY I/I VOLUME (MGD)		0.011	0.014	0.016	0.067	0.097	0.029	0.023	0.001	0.000	0.000	0.000	0.000
MCIC FACILITY I/I VOLUME (MGD)		0.013	0.002	0.000	0.000	0.001	0.005	0.010	0.002	0.002	0.000	0.000	0.000
MCSP + CAL FIRE FACILITY I/I VOLUME (MGD)		0.000	0.000	0.000	0.087	0.051	0.000	0.003	0.025	0.018	0.000	0.000	0.000
TOTAL I/I VOLUME (MGD)		0.024	0.016	0.016	0.154	0.149	0.034	0.036	0.028	0.020	0.000	0.000	0.000
TOTAL INFLUENT FLOW RATE (MGD)		0.56	0.55	0.55	0.69	0.68	0.57	0.57	0.56	0.56	0.54	0.54	0.54
CALCULATIONS													
CALCULATIONS / MONTH	ANNUAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
RAIN-RELATED CALCULATIONS													
PERCENT ANNUAL RAINFALL/MONTH (%)		1.4%	5.4%	12.4%	16.0%	20.8%	15.4%	15.1%	8.4%	3.4%	1.1%	0.3%	0.4%
ESTIMATED IONE RAIN, 1-in-100 YEAR (IN)	39.4	0.56	2.12	4.87	6.32	8.17	6.05	5.95	3.29	1.33	0.44	0.10	0.17
EFFECTIVE RAIN FOR PLANTS (IN)	37.4	0.53	2.01	4.63	6.00	7.76	5.75	5.65	3.13	1.26	0.42	0.09	0.16
EVAPORATION-RELATED CALCULATIONS													
EVAPOTRANSPIRATION POTENTIAL (IN) (ETc) (ETo * Weighted Kc)	46	3.42	1.28	1.11	0.46	1.01	3.04	4.30	4.66	6.69	7.71	7.11	4.92
1-in-100 YEAR DESIGN ET POTENTIAL (IN) (ETc * Seasonal Evaporation Ratio)	42	2.56	0.96	0.83	0.35	0.76	2.28	3.23	4.66	6.69	7.71	7.11	4.92
WWTP / STORAGE RESERVOIR EVAPORATION (IN) (ETo * Water Surface Coefficient)	42	2.90	0.89	0.88	0.31	0.65	2.18	3.23	4.13	6.63	7.87	7.21	5.01
SANITARY-RELATED CALCULATIONS													
AVERAGE DRY WEATHER FLOW VOLUME (MG)	195	16.6	16.1	16.6	16.6	15.0	16.6	16.1	16.6	16.1	16.6	16.6	16.1
I/I FLOW VOLUME (MG)	14	0.74	0.48	0.50	4.77	4.17	1.05	1.08	0.87	0.60	0.00	0.00	0.00
TOTAL INFLUENT FLOW VOLUME (MG)	210	17.4	16.6	17.1	21.4	19.2	17.7	17.2	17.5	16.7	16.7	16.7	16.1
DESIGN DISCHARGE TO FIELD 7													
BEGINNING AVAILABLE RAIN WATER IN SOIL (IN)		0.00	0.00	1.05	4.20	4.20	4.20	4.20	4.20	2.67	0.00	0.00	0.00
LAND AREA UNDER IRRIGATION (AC)		43	43	43	43	43	43	43	43	43	43	43	43
POTENTIAL 1-in-100 YEAR EFFLUENT APPLICATION RATE (IN/MONTH)	26	2.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.04	8.02	7.71	5.23
POTENTIAL 1-in-100 YEAR EFFLUENT APPLICATION VOLUME (MG)	31	2.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.55	9.37	9.00	6.11
MAX EFFLUENT VOLUME AVAILABLE FOR LAND (MG)		17.4	22.7	33.7	54.0	73.0	90.7	107.5	124.3	130.6	114.3	82.1	39.3
AVAILABLE EFFLUENT APPLIED TO LAND (MG)	31	2.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.55	9.37	9.00	6.11
AVERAGE EFFLUENT DISCHARGE RATE TO FIELD 7 (MGD)		0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.30	0.29	0.20
EFFLUENT IRRIGATION RATE (IN/MONTH)	26	2.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.04	8.02	7.71	5.23
DESIGN DISCHARGE TO FIELDS 1-4 & 6													
BEGINNING AVAILABLE RAIN WATER IN SOIL (IN)		0.00	0.00	0.28	0.28	0.28	0.28	0.28	0.28	0.00	0.00	0.00	0.00
LAND AREA UNDER IRRIGATION (AC)		157	157	157	157	157	157	157	157	157	157	157	157
POTENTIAL 1-in-100 YEAR EFFLUENT APPLICATION RATE (IN/MONTH)	17	1.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	3.26	4.38	2.85
POTENTIAL 1-in-100 YEAR EFFLUENT APPLICATION VOLUME (MG)	71	5.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.21	13.88	18.65	12.16
REMAINING EFFLUENT VOLUME AVAILABLE FOR LAND (MG)		14.79	22.72	33.70	53.98	72.97	90.70	107.54	124.25	127.07	104.98	73.14	33.17
REMAINING AVAILABLE EFFLUENT APPLIED TO LAND (MG)	71	5.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.21	13.88	18.65	12.16
AVERAGE EFFLUENT DISCHARGE RATE (MGD)		0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.46	0.60	0.58	0.41
EFFLUENT IRRIGATION RATE (IN/MONTH)	17	1.22	0.00	0.00	0.00	0.00	0.00	0.00	0.75	3.26	4.38	4.21	2.85
DESIGN DISCHARGE TO COWRP													
AVERAGE COWRP DISCHARGE (MGD)		0.00	0.13	0.01	0.02	0.06	0.00	0.00	0.13	0.34	0.48	0.87	0.66
MONTHLY DISCHARGE TO COWRP (MG)	83	0.0	3.9	0.3	0.5	1.7	0.0	0.0	4.0	10.2	15.0	27.1	19.9
HISTORICAL AVERAGE DISCHARGE TO COWRP (MG)	93.8	8.9	3.4	0.2	2.4	1.1	0.0	0.9	3.9	9.3	15.0	27.7	21.1
CDCR/ARSA AGREEMENT LIMITED PRESTON DISCHARGE (MG)	114	1.8	1.8	1.8	1.8	1.8	1.8	17.3	17.3	17.3	17.3	17.3	17.3
CDCR/ARSA AGREEMENT LIMITED PRESTON DISCHARGE (ACFT)	350	5.4	5.4	5.4	5.4	5.4	5.4	53.0	53.0	53.0	53.0	53.0	53.0
DESIGN LOSSES AND GAINS FROM STORAGE													
STORAGE AT BEGINNING OF MONTH (MG)		0.00	6.12	16.60	32.58	53.77	73.00	90.34	106.75	113.92	97.65	65.44	23.18
EFFLUENT STORAGE VOLUME GAIN/LOSS (MG)		9.60	12.70	16.80	20.90	17.50	17.70	17.20	10.29	-10.92	-26.32	-37.34	-22.07
UNADJUSTED STORAGE VOLUME (MG)		9.60	18.82	33.40	53.48	71.27	90.70	107.54	117.05	102.99	71.33	28.10	1.11
APPROXIMATE EFFECTIVE RESERVOIR EVAP AREA (AC)		5.7	6.7	8.3	10.5	12.5	14.6	16.5	17.5	16.0	12.5	7.8	4.8
APPROXIMATE EFFECTIVE RESERVOIR PERC AREA (AC)		9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
APPROXIMATE AREA OF WWTP PROCESSES (AC)		1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
EVAPORATIVE LOSS FROM STORAGE (MG)	14	0.54	0.19	0.23	0.10	0.24	0.93	1.54	2.09	3.08	2.92	1.75	0.81
PERCOLATION LOSS FROM STORAGE (MG)	38	3.23	3.13	3.23	3.23	2.92	3.23	3.13	3.23	3.13	3.23	3.23	3.13
RUNOFF TO STORAGE FROM RAIN CATCHMENT AREA (MG)	21	0.25	0.97	2.34	3.22	4.38	3.42	3.51	1.99	0.78	0.24	0.05	0.07
PRECIP CAPTURED BY WWTP PROCESS AREAS (MG)	2	0.04	0.13	0.31	0.40	0.51	0.38	0.37	0.21	0.08	0.03	0.01	0.01
STORAGE AT END OF MONTH (MG)		6.12	16.60	32.58	53.77	73.00	90.34	106.75	113.92	97.65	65.44	23.18	0.00
MAXIMUM STORAGE REQUIRED (MG).....												113.9	
TOTAL AVAILABLE STORAGE (MG).....												155.0	
SUMMARY													
ANNUAL INFLOWS (MG)				ANNUAL OUTFLOWS (MG)				OVERALL BALANCE (MUST NOT BE NEGATIVE)					
WASTEWATER.....				EVAPORATION.....				TOTAL UNUSED DISPOSAL CAPACITY (MG)					4
INFLOW AND INFILTRATION.....				PERCOLATION.....				UNUSED LAA CAPACITY (MG)					0
PRECIPITATION INTO WWTP AND RESERVOIR.....				ON-SITE LAND DISPOSAL.....				UNUSED COWRP CAPACITY (MG)					0
TOTAL INFLOW				DISCHARGE TO COWRP.....				TOTAL UNUSED STORAGE CAPACITY (MG)					41
233				TOTAL OUTFLOW									
				237									

MULE CREEK STATE PRISON				Scenario 1				FILE: 2518-0050							
RECENT AVERAGE OCCUPANCY ADWF WATER BALANCE AVERAGE YEAR FOLLOWING 1 IN 100 YEAR TYPE HYDROLOGIC CONDITIONS, EXISTING LAAS + DISCHARGE TO COWRP												2/13/2025			
INPUT DATA, CONSTANT															
SANITARY FLOW CHARACTERISTICS				EXISTING STORAGE RESERVOIRS				CLIMATOLOGICAL FACTORS							
STARTING AVERAGE FLOW (MGD).....		0.54		CATCHMENT AREA (AC).....		27.0		CLIMATOLOGICAL DESIGN BASIS						Average	
				WATER SURFACE (AC).....		21.6		DESIGN PRECIP/AVG PRECIP RATIO.....						1.00	
IRRIGATION AREA CHARACTERISTICS				BOTTOM SURFACE (AC).....		9.6		OCT-APR EVAP/AVG EVAP RATIO.....						1.00	
POST MCIC IRRIGATION AREA TOTAL (AC).....		200		STORAGE AVAILABLE (MG).....		155		MAY-SEP EVAP/AVG EVAP RATIO.....						1.00	
POST MCIC IRRIGATION FIELDS 1-4 & 6 AREA (AC).....		157		EFFECTIVE STORAGE PERCOLATION RATE (IN/DAY).....		0.40		IRRIGATION AREA SOIL RUNOFF COEFFICIENT						0.05	
POST MCIC IRRIGATION FIELD 7 AREA (AC).....		43		EXISTING WWTP PROCESS AREAS				STORAGE CATCHMENT SOIL RUNOFF COEFF.....						0.50	
POST MCIC NEW AREA (AC).....		0		OXIDATION DITCH SURFACE AREA (AC).....		0.28		STORAGE CATCHMENT RESERVOIR RUNOFF COEFF.....						1.00	
POST MCIC NEW AREA W/II RESERVOIR (AC).....		0		COMBINED CLARIFIER SURFACE AREA (AC).....		0.18									
IRRIGATION FIELD 7 MAX APPLICATION EFFICIENCY		1.10		CHLORINE CONTACT BASIN SURFACE AREA (AC).....		0.7									
IRRIGATION FIELDS 1-4 & 6 MAX APPLICATION EFFICIENCY		0.60		TOTAL TREATMENT PROCESS SURFACE AREA (AC).....		1.2									
INPUT DATA, MONTHLY VARIABLE															
MONTH	ANNUAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
DAYS IN MONTH	365	31	30	31	31	28	31	30	31	30	31	31	30		
AVERAGE DRY WEATHER FLOW (MGD)		0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54		
AVG PRECIP, AVG OF IONE & PARDEE (IN)	21.8	0.31	1.17	2.69	3.49	4.52	3.35	3.29	1.82	0.74	0.25	0.06	0.10		
ZONE 14 TYPICAL YEAR REFERENCE EVAPOTRANSPIRATION (ETo) (IN)	56.2	3.86	1.25	1.14	0.73	2.36	4.13	5.82	7.62	8.00	8.36	7.11	5.82		
WATER SURFACE EVAPORATION COEFFICIENT		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
CROP COEFFICIENT (Kc), EXISTING MISC. GRASSES		0.92	1.06	0.97	0.64	0.43	0.77	0.76	0.61	0.84	0.94	1.01	0.86		
CROP COEFFICIENT (Kc), TREES (OAKS)		0.75	0.88	0.96	0.59	0.41	0.60	0.66	0.61	0.82	0.85	0.95	0.79		
WEIGHTED CROP COEFFICIENT FOR MCSP SITE		0.82	0.68	0.93	1.18	0.60	0.58	0.76	0.97	1.00	0.99	1.01	0.97		
MCIC FACILITY I/II VOLUME (MGD)		0.000	0.001	0.002	0.002	0.002	0.000	0.005	0.000	0.000	0.000	0.000	0.000		
MCSP, PYCF, CAL FIRE FACILITY I/II VOLUME (MGD)		0.000	0.000	0.043	0.032	0.026	0.035	0.011	0.006	0.001	0.000	0.000	0.000		
TOTAL I/II VOLUME (MGD)		0.000	0.001	0.045	0.034	0.028	0.035	0.016	0.006	0.001	0.000	0.000	0.000		
TOTAL INFLUENT FLOW RATE (MGD)		0.54	0.54	0.58	0.57	0.56	0.57	0.55	0.54	0.54	0.54	0.54	0.54		
CALCULATIONS															
CALCULATIONS / MONTH	ANNUAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
RAIN-RELATED CALCULATIONS															
PERCENT ANNUAL RAINFALL/MONTH (%)		1.4%	5.4%	12.4%	16.0%	20.8%	15.4%	15.1%	8.4%	3.4%	1.1%	0.3%	0.4%		
ESTIMATED IONE RAIN, Average (IN)	21.8	0.31	1.17	2.69	3.49	4.52	3.35	3.29	1.82	0.74	0.25	0.06	0.10		
EFFECTIVE RAIN FOR PLANTS (IN)	20.7	0.29	1.11	2.56	3.32	4.29	3.18	3.12	1.73	0.70	0.23	0.05	0.09		
EVAPORATION-RELATED CALCULATIONS															
EVAPOTRANSPIRATION POTENTIAL (IN) (ETc) (ETo * Weighted Kc)	51	3.16	0.86	1.06	0.86	1.42	2.40	4.41	7.38	7.97	8.24	7.15	5.67		
Average DESIGN ET POTENTIAL (IN) (ETc * Seasonal Evaporation Ratio)	51	3.16	0.86	1.06	0.86	1.42	2.40	4.41	7.38	7.97	8.24	7.15	5.67		
WWTP / STORAGE RESERVOIR EVAPORATION (IN) (ETo * Water Surface Coefficient)	56	3.86	1.25	1.14	0.73	2.36	4.13	5.82	7.62	8.00	8.36	7.11	5.82		
SANITARY-RELATED CALCULATIONS															
AVERAGE DRY WEATHER FLOW VOLUME (MG)	195	16.6	16.1	16.6	16.6	15.0	16.6	16.1	16.6	16.1	16.6	16.6	16.1		
I/II FLOW VOLUME (MG)	5	0.00	0.04	1.40	1.06	0.79	1.08	0.48	0.19	0.04	0.00	0.00	0.01		
TOTAL INFLUENT FLOW VOLUME (MG)	201	16.7	16.2	18.0	17.7	15.8	17.7	16.6	16.8	16.2	16.7	16.7	16.1		
DESIGN DISCHARGE TO FIELD 7															
BEGINNING AVAILABLE RAIN WATER IN SOIL (IN)		0.00	0.00	0.26	1.75	4.20	4.20	4.20	2.91	0.00	0.00	0.00	0.00		
LAND AREA UNDER IRRIGATION (AC)		43	43	43	43	43	43	43	43	43	43	43	43		
POTENTIAL Average EFFLUENT APPLICATION RATE (IN/MONTH)	37	3.15	0.00	0.00	0.00	0.00	0.00	0.00	3.01	8.00	8.81	7.81	6.14		
POTENTIAL Average EFFLUENT APPLICATION VOLUME (MG)	43	3.68	0.00	0.00	0.00	0.00	0.00	0.00	3.52	9.34	10.29	9.12	7.16		
MAX EFFLUENT VOLUME AVAILABLE FOR LAND (MG)		16.7	18.2	29.5	44.8	58.6	73.5	87.4	98.1	87.3	60.7	26.8	16.1		
AVAILABLE EFFLUENT APPLIED TO LAND (MG)	43	3.68	0.00	0.00	0.00	0.00	0.00	0.00	3.52	9.34	10.29	9.12	7.16		
AVERAGE EFFLUENT DISCHARGE RATE TO FIELD 7 (MGD)		0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.31	0.33	0.29	0.24		
EFFLUENT IRRIGATION RATE (IN/MONTH)	37	3.15	0.00	0.00	0.00	0.00	0.00	0.00	3.01	8.00	8.81	7.81	6.14		
DESIGN DISCHARGE TO FIELDS 1-4 & 6															
BEGINNING AVAILABLE RAIN WATER IN SOIL (IN)		0.00	0.00	0.26	0.28	0.28	0.28	0.28	0.00	0.00	0.00	0.00	0.00		
LAND AREA UNDER IRRIGATION (AC)		157	157	157	157	157	157	157	157	157	157	157	157		
POTENTIAL Average EFFLUENT APPLICATION RATE (IN/MONTH)	22	1.72	0.00	0.00	0.00	0.00	0.00	0.61	3.39	4.36	4.81	4.26	3.35		
POTENTIAL Average EFFLUENT APPLICATION VOLUME (MG)	96	7.32	0.00	0.00	0.00	0.00	0.00	2.58	14.45	18.60	20.49	18.16	14.27		
REMAINING EFFLUENT VOLUME AVAILABLE FOR LAND (MG)		13.02	18.15	29.47	44.81	58.61	73.53	87.35	94.57	77.91	50.38	17.67	8.94		
REMAINING AVAILABLE EFFLUENT APPLIED TO LAND (MG)	90	7.32	0.00	0.00	0.00	0.00	0.00	2.58	14.45	18.60	20.49	17.67	8.94		
AVERAGE EFFLUENT DISCHARGE RATE (MGD)		0.24	0.00	0.00	0.00	0.00	0.00	0.09	0.47	0.62	0.66	0.57	0.30		
EFFLUENT IRRIGATION RATE (IN/MONTH)	21	1.72	0.00	0.00	0.00	0.00	0.00	0.61	3.39	4.36	4.81	4.15	2.10		
DESIGN DISCHARGE TO COWRP															
AVERAGE COWRP DISCHARGE (MGD)		0.00	0.13	0.01	0.02	0.06	0.00	0.00	0.13	0.34	0.48	0.87	0.66		
MONTHLY DISCHARGE TO COWRP (MG)	83	0.0	3.9	0.3	0.5	1.7	0.0	0.0	4.0	10.2	15.0	27.1	19.9		
HISTORICAL AVERAGE DISCHARGE TO COWRP (MG)	93.8	8.9	3.4	0.2	2.4	1.1	0.0	0.9	3.9	9.3	15.0	27.7	21.1		
CDCR/ARSA AGREEMENT LIMITED PRESTON DISCHARGE (MG)	114	1.8	1.8	1.8	1.8	1.8	1.8	17.3	17.3	17.3	17.3	17.3	17.3		
CDCR/ARSA AGREEMENT LIMITED PRESTON DISCHARGE (ACFT)	350	5.4	5.4	5.4	5.4	5.4	5.4	53.0	53.0	53.0	53.0	53.0	53.0		
DESIGN LOSSES AND GAINS FROM STORAGE															
STORAGE AT BEGINNING OF MONTH (MG)		0.00	1.95	11.47	27.11	42.81	55.83	70.75	81.29	71.05	43.97	10.09	0.00		
EFFLUENT STORAGE VOLUME GAIN/LOSS (MG)		5.71	12.30	17.70	17.20	14.10	17.70	14.02	-5.17	-21.94	-29.07	-37.19	-19.90		
UNADJUSTED STORAGE VOLUME (MG)		5.71	14.25	29.17	44.31	56.91	73.53	84.77	76.11	49.11	14.89	-27.10	-19.90		
APPROXIMATE EFFECTIVE RESERVOIR EVAP AREA (AC)		5.3	6.2	7.9	9.5	10.9	12.7	14.0	13.0	10.1	6.3	0.0	0.0		
APPROXIMATE EFFECTIVE RESERVOIR PERC AREA (AC)		9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6		
APPROXIMATE AREA OF WWTP PROCESSES (AC)		1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2		
EVAPORATIVE LOSS FROM STORAGE (MG)	13	0.68	0.25	0.28	0.21	0.77	1.56	2.39	2.93	2.44	1.70	0.00	0.00		
PERCOLATION LOSS FROM STORAGE (MG)	32	3.23	3.13	3.23	3.23	2.92	3.23	3.13	3.23	3.13	3.23	0.00	0.00		
RUNOFF TO STORAGE FROM RAIN CATCHMENT AREA (MG)	11	0.14	0.53	1.27	1.73	2.32	1.80	1.83	0.99	0.37	0.11	0.02	0.03		
PRECIP CAPTURED BY WWTP PROCESS AREAS (MG)	1	0.02	0.07	0.17	0.22	0.28	0.21	0.21	0.11	0.05	0.02	0.00	0.01		
STORAGE AT END OF MONTH (MG)		1.95	11.47	27.11	42.81	55.83	70.75	81.29	71.05	43.97	10.09	0.00	0.00		
MAXIMUM STORAGE REQUIRED (MG).....													81.3		
TOTAL AVAILABLE STORAGE (MG).....													155.0		
SUMMARY															
ANNUAL INFLOWS (MG)				ANNUAL OUTFLOWS (MG)				OVERALL BALANCE (MUST NOT BE NEGATIVE)							
WASTEWATER.....	195			EVAPORATION.....	13			TOTAL UNUSED DISPOSAL CAPACITY (MG)						48	
INFLOW AND INFILTRATION.....	5			PERCOLATION.....	32			UNUSED LAA CAPACITY (MG)						0	
PRECIPITATION INTO WWTP AND RESERVOIR.....	13			ON-SITE LAND DISPOSAL.....	133			UNUSED COWRP CAPACITY (MG)						0	
				DISCHARGE TO COWRP	83			TOTAL UNUSED STORAGE CAPACITY (MG)						74	
TOTAL INFLOW		213		TOTAL OUTFLOW		261									

MULE CREEK STATE PRISON										Scenario 1										FILE: 2518-0050											
RECENT AVERAGE OCCUPANCY ADWF WATER BALANCE UNDER 1-in-100 YEAR TYPE HYDROLOGIC CONDITIONS, EXISTING LAAS + TRI-PARTY AGREEMENT DISCHARGE TO COWRP																						2/13/2025									
INPUT DATA, CONSTANT																															
SANITARY FLOW CHARACTERISTICS						EXISTING STORAGE RESERVOIRS						CLIMATOLOGICAL FACTORS																			
STARTING AVERAGE FLOW (MGD).....						0.54		CATCHMENT AREA (AC).....						27.0		CLIMATOLOGICAL DESIGN BASIS										1-in-100 YEAR					
								WATER SURFACE (AC).....						21.6		DESIGN PRECIP/AVG PRECIP RATIO.....										1.81					
								BOTTOM SURFACE (AC).....						9.6		OCT-APR EVAP/AVG EVAP RATIO.....										0.75					
POST MCIC IRRIGATION AREA TOTAL (AC).....						200		STORAGE AVAILABLE (MG).....						155		MAY-SEP EVAP/AVG EVAP RATIO.....										1.00					
POST MCIC IRRIGATION FIELDS 1 -4 & 6 AREA (AC).....						157		EFFECTIVE STORAGE PERCOLATION RATE (IN/DAY).....						0.40		IRRIGATION AREA SOIL RUNOFF COEFFICIENT										0.50					
POST MCIC IRRIGATION FIELD 7 AREA (AC).....						43		EXISTING WWTP PROCESS AREAS								STORAGE CATCHMENT SOIL RUNOFF COEFF.....										0.05					
POST MCIC NEW AREA (AC).....						0		OXIDATION DITCH SURFACE AREA (AC).....						0.28		STORAGE CATCHMENT RESERVOIR RUNOFF COEFF.....										1.00					
POST MCIC NEW AREA W/I RESERVOIR (AC).....						0		COMBINED CLARIFIER SURFACE AREA (AC).....						0.18																	
IRRIGATION FIELD 7 MAX APPLICATION EFFICIENCY						1.10		CHLORINE CONTACT BASIN SURFACE AREA (AC).....						0.7																	
IRRIGATION FIELDS 1-4 & 6 MAX APPLICATION EFFICIENCY						0.60		TOTAL TREATMENT PROCESS SURFACE AREA (AC).....						1.2																	
INPUT DATA, MONTHLY VARIABLE																															
MONTH		ANNUAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP																	
DAYS IN MONTH		365	31	30	31	31	28	31	30	31	30	31	31	30																	
AVERAGE DRY WEATHER FLOW (MGD)			0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54																	
AVG PRECIP, AVG OF IONE & PARDEE (IN)		21.8	0.31	1.17	2.69	3.49	4.52	3.35	3.29	1.82	0.74	0.25	0.06	0.10																	
ZONE 14 WET YEAR REFERENCE EVAPOTRANSPIRATION (ETo) (IN)		45.6	3.86	1.19	1.17	0.41	0.87	2.90	4.30	4.13	6.63	7.87	7.21	5.01																	
WATER SURFACE EVAPORATION COEFFICIENT			1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00																	
CROP COEFFICIENT (Kc), EXISTING MISC. GRASSES			0.92	1.11	0.95	1.15	1.17	1.10	1.03	1.13	1.02	1.00	1.00	1.00																	
CROP COEFFICIENT (Kc), TREES (OAKS)			0.75	0.92	0.94	1.05	1.10	0.85	0.89	1.13	0.98	0.90	0.94	0.92																	
WEIGHTED CROP COEFFICIENT FOR MCSP SITE			0.88	1.07	0.95	1.13	1.16	1.05	1.00	1.13	1.01	0.98	0.99	0.98																	
PRESTON YOUTH FACILITY I/I VOLUME (MGD)			0.011	0.014	0.016	0.067	0.097	0.029	0.023	0.001	0.000	0.000	0.000	0.000																	
MCIC FACILITY I/I VOLUME (MGD)			0.013	0.002	0.000	0.000	0.001	0.005	0.010	0.002	0.000	0.000	0.000	0.000																	
MCSP + CAL FIRE FACILITY I/I VOLUME (MGD)			0.000	0.000	0.000	0.087	0.051	0.000	0.003	0.025	0.018	0.000	0.000	0.000																	
TOTAL I/I VOLUME (MGD)			0.024	0.016	0.016	0.154	0.149	0.034	0.036	0.028	0.020	0.000	0.000	0.000																	
TOTAL INFLUENT FLOW RATE (MGD)			0.56	0.55	0.55	0.69	0.68	0.57	0.57	0.56	0.56	0.54	0.54	0.54																	
CALCULATIONS																															
CALCULATIONS / MONTH		ANNUAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP																	
RAIN-RELATED CALCULATIONS																															
PERCENT ANNUAL RAINFALL/MONTH (%)			1.4%	5.4%	12.4%	16.0%	20.8%	15.4%	15.1%	8.4%	3.4%	1.1%	0.3%	0.4%																	
ESTIMATED IONE RAIN, 1-in-100 YEAR (IN)		39.4	0.56	2.12	4.87	6.32	8.17	6.05	5.95	3.29	1.33	0.44	0.10	0.17																	
EFFECTIVE RAIN FOR PLANTS (IN)		37.4	0.53	2.01	4.63	6.00	7.76	5.75	5.65	3.13	1.26	0.42	0.09	0.16																	
EVAPORATION-RELATED CALCULATIONS																															
EVAPOTRANSPIRATION POTENTIAL (IN) (ETc) (ETo * Weighted Kc)		46	3.42	1.28	1.11	0.46	1.01	3.04	4.30	4.66	6.69	7.71	7.11	4.92																	
1-in-100 YEAR DESIGN ET POTENTIAL (IN) (ETc * Seasonal Evaporation Ratio)		42	2.56	0.96	0.83	0.35	0.76	2.28	3.23	4.66	6.69	7.71	7.11	4.92																	
WWTP / STORAGE RESERVOIR EVAPORATION (IN) (ETo * Water Surface Coefficient)		42	2.90	0.89	0.88	0.31	0.65	2.18	3.23	4.13	6.63	7.87	7.21	5.01																	
SANITARY-RELATED CALCULATIONS																															
AVERAGE DRY WEATHER FLOW VOLUME (MG)		195	16.6	16.1	16.6	16.6	15.0	16.6	16.1	16.6	16.1	16.6	16.6	16.1																	
I/I FLOW VOLUME (MG)		14	0.74	0.48	0.50	4.77	4.17	1.05	1.08	0.87	0.60	0.00	0.00	0.00																	
TOTAL INFLUENT FLOW VOLUME (MG)		210	17.4	16.6	17.1	21.4	19.2	17.7	17.2	17.5	16.7	16.7	16.7	16.1																	
DESIGN DISCHARGE TO FIELD 7																															
BEGINNING AVAILABLE RAIN WATER IN SOIL (IN)			0.00	0.00	1.05	4.20	4.20	4.20	4.20	4.20	2.67	0.00	0.00	0.00																	
LAND AREA UNDER IRRIGATION (AC)			43	43	43	43	43	43	43	43	43	43	43	43																	
POTENTIAL 1-in-100 YEAR EFFLUENT APPLICATION RATE (IN/MONTH)		26	2.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.04	8.02	7.71	5.23																	
POTENTIAL 1-in-100 YEAR EFFLUENT APPLICATION VOLUME (MG)		31	2.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.55	9.37	9.00	6.11																	
MAX EFFLUENT VOLUME AVAILABLE FOR LAND (MG)			17.4	21.0	34.1	52.9	70.6	88.3	103.3	102.8	96.2	73.5	40.1	16.1																	
AVAILABLE EFFLUENT APPLIED TO LAND (MG)		31	2.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.55	9.37	9.00	6.11																	
AVERAGE EFFLUENT DISCHARGE RATE TO FIELD 7 (MGD)			0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.30	0.29	0.20																	
EFFLUENT IRRIGATION RATE (IN/MONTH)		26	2.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.04	8.02	7.71	5.23																	
DESIGN DISCHARGE TO FIELDS 1-4 & 6																															
BEGINNING AVAILABLE RAIN WATER IN SOIL (IN)			0.00	0.00	0.28	0.28	0.28	0.28	0.28	0.28	0.00	0.00	0.00	0.00																	
LAND AREA UNDER IRRIGATION (AC)			157	157	157	157	157	157	157	157	157	157	157	157																	
POTENTIAL 1-in-100 YEAR EFFLUENT APPLICATION RATE (IN/MONTH)		17	1.22	0.00	0.00	0.00	0.00	0.00	0.00	0.75	3.26	4.38	4.21	2.85																	
POTENTIAL 1-in-100 YEAR EFFLUENT APPLICATION VOLUME (MG)		71	5.19	0.00	0.00	0.00	0.00	0.00	0.00	3.21	13.88	18.65	17.93	12.16																	
REMAINING EFFLUENT VOLUME AVAILABLE FOR LAND (MG)			14.79	20.97	34.09	52.91	70.62	88.27	103.34	102.80	92.61	64.18	31.05	9.99																	
REMAINING AVAILABLE EFFLUENT APPLIED TO LAND (MG)		69	5.19	0.00	0.00	0.00	0.00	0.00	0.00	3.21	13.88	18.65	17.93	9.99																	
AVERAGE EFFLUENT DISCHARGE RATE (MGD)			0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.46	0.60	0.58	0.33																	
EFFLUENT IRRIGATION RATE (IN/MONTH)		16	1.22	0.00	0.00	0.00	0.00	0.00	0.00	0.75	3.26	4.38	4.21	2.34																	
DESIGN DISCHARGE TO COWRP																															
EFFLUENT AVAILABLE TO SEND TO COWRP (MG)			14.8	21.0	34.1	52.9	70.6	88.3	103.3	102.8	92.6	64.2	31.1	10.0																	
AVERAGE COWRP DISCHARGE (MGD)			0.06	0.06	0.06	0.06	0.06	0.06	0.58	0.56	0.58	0.56	0.56	0.33																	
MONTHLY DISCHARGE TO COWRP (MG)		107	1.8	1.8	1.8	1.8	1.8	1.8	17.3	17.3	17.3	17.3	17.3	10.0																	
HISTORICAL AVERAGE DISCHARGE TO COWRP (MG)		93.8	8.9	3.4	0.2	2.4	1.1	0.0	0.9	3.9	9.3	15.0	27.7	21.1																	
CDCR/ARSA AGREEMENT LIMITED PRESTON DISCHARGE (MG)		114	1.8	1.8	1.8	1.8	1.8	1.8	17.3	17.3	17.3	17.3	17.3	17.3																	
CDCR/ARSA AGREEMENT LIMITED PRESTON DISCHARGE (ACFT)		350	5.4	5.4	5.4	5.4	5.4	5.4	53.0	53.0	53.0	53.0	53.0	53.0																	
DESIGN LOSSES AND GAINS FROM STORAGE																															
STORAGE AT BEGINNING OF MONTH (MG)			0.00	4.37	16.99	31.51	51.42	70.57	86.14	85.30	79.45	56.85	23.36	0.00																	
EFFLUENT STORAGE VOLUME GAIN/LOSS (MG)			7.85	14.84	15.34	19.64	17.44	15.94	-0.07	-2.98	-17.99	-28.59	-27.51	-9.99																	
UNADJUSTED STORAGE VOLUME (MG)			7.85	19.21	32.34	51.16	68.86	86.51	86.07	82.33	61.46	28.26	-4.15	-9.99																	
APPROXIMATE EFFECTIVE RESERVOIR EVAP AREA (AC)			5.5	6.8	8.2	10.3	12.2	14.2	14.1	13.7	11.4	7.8	0.0	0.0																	
APPROXIMATE EFFECTIVE RESERVOIR PERC AREA (AC)			9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6																	
APPROXIMATE AREA OF WWTP PROCESSES (AC)			1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2																	
EVAPORATIVE LOSS FROM STORAGE (MG)		9	0.53	0.19	0.22	0.10	0.24	0.90	1.34	1.67	2.26	1.91	0.00	0.00																	
PERCOLATION LOSS FROM STORAGE (MG)		32	3.23	3.13	3.23	3.23	2.92	3.23	3.13	3.23	3.13	3.23	0.00	0.00																	
RUNOFF TO STORAGE FROM RAIN CATCHMENT AREA (MG)		21	0.25	0.97	2.33	3.20	4.35	3.38	3.32	1.82	0.69	0.21	0.04	0.06																	
PRECIP CAPTURED BY WWTP PROCESS AREAS (MG)		2	0.04	0.13	0.31	0.40	0.51	0.38	0.37	0.21	0.08	0.03	0.01	0.01																	
STORAGE AT END OF MONTH (MG)			4.37	16.99	31.51	51.42	70.57	86.14	85.30	79.45	56.85	23.36	0.00	0.00																	
										MAXIMUM STORAGE REQUIRED (MG).....										86.1											
										TOTAL AVAILABLE STORAGE (MG).....										155.0											
SUMMARY																															
ANNUAL INFLOWS (MG)						ANNUAL OUTFLOWS (MG)						OVERALL BALANCE (MUST NOT BE NEGATIVE)																			
WASTEWATER.....						195						EVAPORATION.....						9						TOTAL UNUSED DISPOSAL CAPACITY (MG)						15	
INFLOW AND INFILTRATION.....						14						PERCOLATION.....						32						UNUSED LAA CAPACITY (MG)						0	
PRECIPITATION INTO WWTP AND RESERVOIR.....						23						ON-SITE LAND DISPOSAL.....						99						UNUSED COWRP CAPACITY (MG)						0	
																		107						TOTAL UNUSED STORAGE CAPACITY (MG)						69	
TOTAL INFLOW						232						TOTAL OUTFLOW						247													

MULE CREEK STATE PRISON										Scenario 2			FILE: 2518-0050									
CURRENT PERMIT ADWF WATER BALANCE UNDER 1-in-100 YEAR TYPE HYDROLOGIC CONDITIONS, NO OFF-SITE DISCHARGES																2/13/2025						
INPUT DATA, CONSTANT																						
SANITARY FLOW CHARACTERISTICS				EXISTING STORAGE RESERVOIRS				CLIMATOLOGICAL FACTORS														
STARTING AVERAGE FLOW (MGD).....				CATCHMENT AREA (AC).....				CLIMATOLOGICAL DESIGN BASIS								1-in-100 YEAR						
								DESIGN PRECIP/AVG PRECIP RATIO.....								1.81						
								OCT-APR EVAP/AVG EVAP RATIO.....								0.75						
								MAY-SEP EVAP/AVG EVAP RATIO.....								1.00						
								IRRIGATION AREA SOIL RUNOFF COEFFICIENT								0.05						
								STORAGE CATCHMENT SOIL RUNOFF COEFF.....								0.50						
								STORAGE CATCHMENT RESERVOIR RUNOFF COEFF.....								1.00						

MULE CREEK STATE PRISON

Scenario 2

FILE: 2518-0050

CURRENT PERMIT ADWF WATER BALANCE UNDER 1-in-100 YEAR TYPE HYDROLOGIC CONDITIONS, EXPANDED LAAs

2/13/2025

INPUT DATA, CONSTANT														
SANITARY FLOW CHARACTERISTICS			EXISTING STORAGE RESERVOIRS					CLIMATOLOGICAL FACTORS						
STARTING AVERAGE FLOW (MGD).....	0.74		CATCHMENT AREA (AC).....		27.0		CLIMATOLOGICAL DESIGN BASIS							1-in-100 YEAR
			WATER SURFACE (AC).....		21.6		DESIGN PRECIP/AVG PRECIP RATIO.....							1.81
			BOTTOM SURFACE (AC).....		9.6		OCT-APR EVAP/AVG EVAP RATIO.....							0.75
POST MCIC IRRIGATION AREA TOTAL (AC).....	261		STORAGE AVAILABLE (MG).....		155		MAY-SEP EVAP/AVG EVAP RATIO.....							1.00
POST MCIC IRRIGATION FIELDS 1 -4 & 6 _ New AREA (AC).....	157		EFFECTIVE STORAGE PERCOLATION RATE (IN/DAY).....		0.40		IRRIGATION AREA SOIL RUNOFF COEFFICIENT							0.05
POST MCIC IRRIGATION FIELD 7 AREA (AC).....	43		EXISTING WWTP PROCESS AREAS					STORAGE CATCHMENT SOIL RUNOFF COEFF.....					0.50	
POST MCIC NEW AREA (AC).....	61		OXIDATION DITCH SURFACE AREA (AC).....		0.28		STORAGE CATCHMENT RESERVOIR RUNOFF COEFF.....							1.00
POST MCIC NEW AREA W/I RESERVOIR (AC).....	0		COMBINED CLARIFIER SURFACE AREA (AC).....		0.18									
IRRIGATION FIELD 7 MAX APPLICATION EFFICIENCY	1.10		CHLORINE CONTACT BASIN SURFACE AREA (AC).....		0.7									
IRRIGATION FIELDS 1-4 & 6 MAX APPLICATION EFFICIENCY	0.60		TOTAL TREATMENT PROCESS SURFACE AREA (AC).....		1.2									
INPUT DATA, MONTHLY VARIABLE														
MONTH	ANNUAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
DAYS IN MONTH	365	31	30	31	31	28	31	30	31	30	31	31	30	
AVERAGE DRY WEATHER FLOW (MGD)		0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	
AVG PRECIP , AVG OF IONE & PARDEE (IN)	21.8	0.31	1.17	2.69	3.49	4.52	3.35	3.29	1.82	0.74	0.25	0.06	0.10	
ZONE 14 WET YEAR REFERENCE EVAPOTRANSPIRATION (ETo) (IN)	45.6	3.86	1.19	1.17	0.41	0.87	2.90	4.30	4.13	6.63	7.87	7.21	5.01	
WATER SURFACE EVAPORATION COEFFICIENT		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
CROP COEFFICIENT (Kc), EXISTING MISC. GRASSES		0.92	1.11	0.95	1.15	1.17	1.10	1.03	1.13	1.02	1.00	1.00	1.00	
CROP COEFFICIENT (Kc), TREES (OAKS)		0.75	0.92	0.94	1.05	1.10	0.85	0.89	1.13	0.98	0.90	0.94	0.92	
WEIGHTED CROP COEFFICIENT FOR MCSP SITE		0.88	1.07	0.95	1.13	1.16	1.05	1.00	1.13	1.01	0.98	0.99	0.98	
PRESTON YOUTH FACILITY I/I VOLUME (MGD)		0.011	0.014	0.016	0.067	0.097	0.029	0.023	0.001	0.000	0.000	0.000	0.000	
MCIC FACILITY I/I VOLUME (MGD)		0.013	0.002	0.000	0.000	0.001	0.005	0.010	0.002	0.002	0.000	0.000	0.000	
MCSP + CAL FIRE FACILITY I/I VOLUME (MGD)		0.000	0.000	0.000	0.087	0.051	0.000	0.003	0.025	0.018	0.000	0.000	0.000	
TOTAL I/I VOLUME (MGD)		0.024	0.016	0.016	0.154	0.149	0.034	0.036	0.028	0.020	0.000	0.000	0.000	
TOTAL INFLUENT FLOW RATE (MGD)		0.76	0.76	0.76	0.89	0.89	0.77	0.78	0.77	0.76	0.74	0.74	0.74	
CALCULATIONS														
CALCULATIONS / MONTH	ANNUAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
RAIN-RELATED CALCULATIONS														
PERCENT ANNUAL RAINFALL/MONTH (%)		1.4%	5.4%	12.4%	16.0%	20.8%	15.4%	15.1%	8.4%	3.4%	1.1%	0.3%	0.4%	
ESTIMATED IONE RAIN, 1-in-100 YEAR (IN)	39.4	0.56	2.12	4.87	6.32	8.17	6.05	5.95	3.29	1.33	0.44	0.10	0.17	
EFFECTIVE RAIN FOR PLANTS (IN)	37.4	0.53	2.01	4.63	6.00	7.76	5.75	5.65	3.13	1.26	0.42	0.09	0.16	
EVAPORATION-RELATED CALCULATIONS														
EVAPOTRANSPIRATION POTENTIAL (IN) (ETc) (ETo * Weighted Kc)	46	3.42	1.28	1.11	0.46	1.01	3.04	4.30	4.66	6.69	7.71	7.11	4.92	
1-in-100 YEAR DESIGN ET POTENTIAL (IN) (ETc * Seasonal Evaporation Ratio)	42	2.56	0.96	0.83	0.35	0.76	2.28	3.23	4.66	6.69	7.71	7.11	4.92	
WWTP / STORAGE RESERVOIR EVAPORATION (IN) (ETo * Water Surface Coefficient)	42	2.90	0.89	0.88	0.31	0.65	2.18	3.23	4.13	6.63	7.87	7.21	5.01	
SANITARY-RELATED CALCULATIONS														
AVERAGE DRY WEATHER FLOW VOLUME (MG)	270	22.9	22.2	22.9	22.9	20.7	22.9	22.2	22.9	22.2	22.9	22.9	22.2	
I/I FLOW VOLUME (MG)	14	0.74	0.48	0.50	4.77	4.17	1.05	1.08	0.87	0.60	0.00	0.00	0.00	
TOTAL INFLUENT FLOW VOLUME (MG)	285	23.7	22.7	23.5	27.8	24.9	24.0	23.3	23.9	22.8	23.0	23.0	22.2	
DESIGN DISCHARGE TO FIELD 7														
BEGINNING AVAILABLE RAIN WATER IN SOIL (IN)		0.00	0.00	1.05	4.20	4.20	4.20	4.20	4.20	2.67	0.00	0.00	0.00	
LAND AREA UNDER IRRIGATION (AC)		43	43	43	43	43	43	43	43	43	43	43	43	
POTENTIAL 1-in-100 YEAR EFFLUENT APPLICATION RATE (IN/MONTH)	26	2.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.04	8.02	7.71	5.23	
POTENTIAL 1-in-100 YEAR EFFLUENT APPLICATION VOLUME (MG)	31	2.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.55	9.37	9.00	6.11	
MAX EFFLUENT VOLUME AVAILABLE FOR LAND (MG)		23.7	33.0	54.2	81.0	106.0	131.6	154.2	176.9	191.5	185.1	165.1	146.3	
AVAILABLE EFFLUENT APPLIED TO LAND (MG)	31	2.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.55	9.37	9.00	6.11	
AVERAGE EFFLUENT DISCHARGE RATE TO FIELD 7 (MGD)		0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.30	0.29	0.20	
EFFLUENT IRRIGATION RATE (IN/MONTH)	26	2.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.04	8.02	7.71	5.23	
DESIGN DISCHARGE TO FIELDS 1-4 & 6														
BEGINNING AVAILABLE RAIN WATER IN SOIL (IN)		0.00	0.00	0.28	0.28	0.28	0.28	0.28	0.28	0.00	0.00	0.00	0.00	
LAND AREA UNDER IRRIGATION (AC)		218	218	218	218	218	218	218	218	218	218	218	218	
POTENTIAL 1-in-100 YEAR EFFLUENT APPLICATION RATE (IN/MONTH)	17	1.22	0.00	0.00	0.00	0.00	0.00	0.00	0.75	3.26	4.38	4.21	2.85	
POTENTIAL 1-in-100 YEAR EFFLUENT APPLICATION VOLUME (MG)	99	7.21	0.00	0.00	0.00	0.00	0.00	0.00	4.46	19.27	25.90	24.90	16.89	
REMAINING EFFLUENT VOLUME AVAILABLE FOR LAND (MG)		21.09	33.03	54.19	80.96	105.98	131.56	154.22	176.92	187.98	175.74	156.14	140.20	
REMAINING AVAILABLE EFFLUENT APPLIED TO LAND (MG)	99	7.21	0.00	0.00	0.00	0.00	0.00	4.46	19.27	25.90	24.90	24.90	16.89	
AVERAGE EFFLUENT DISCHARGE RATE (MGD)		0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.64	0.84	0.80	0.56	
EFFLUENT IRRIGATION RATE (IN/MONTH)	17	1.22	0.00	0.00	0.00	0.00	0.00	0.00	0.75	3.26	4.38	4.21	2.85	
DESIGN DISCHARGE TO COWRP														
AVERAGE COWRP DISCHARGE (MGD)		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
MONTHLY DISCHARGE TO COWRP (MG)	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
HISTORICAL AVERAGE DISCHARGE TO COWRP (MG)	93.8	8.9	3.4	0.2	2.4	1.1	0.0	0.9	3.9	9.3	15.0	27.7	21.1	
CDCR/ARSA AGREEMENT LIMITED PRESTON DISCHARGE (MG)	114	1.8	1.8	1.8	1.8	1.8	1.8	17.3	17.3	17.3	17.3	17.3	17.3	
CDCR/ARSA AGREEMENT LIMITED PRESTON DISCHARGE (ACFT)	350	5.4	5.4	5.4	5.4	5.4	5.4	53.0	53.0	53.0	53.0	53.0	53.0	
DESIGN LOSSES AND GAINS FROM STORAGE														
STORAGE AT BEGINNING OF MONTH (MG)		0.00	10.33	30.69	53.16	81.08	107.56	130.92	153.02	168.72	162.11	142.14	124.11	
EFFLUENT STORAGE VOLUME GAIN/LOSS (MG)		13.89	22.70	23.50	27.80	24.90	24.00	23.30	19.44	-0.02	-12.27	-10.91	-0.79	
UNADJUSTED STORAGE VOLUME (MG)		13.89	33.03	54.19	80.96	105.98	131.56	154.22	172.46	168.70	149.84	131.24	123.32	
APPROXIMATE EFFECTIVE RESERVOIR EVAP AREA (AC)		6.2	8.3	10.6	13.5	16.3	19.1	21.6	23.2	21.1	19.0	18.2		
APPROXIMATE EFFECTIVE RESERVOIR PERC AREA (AC)		9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	
APPROXIMATE AREA OF WWTP PROCESSES (AC)		1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
EVAPORATIVE LOSS FROM STORAGE (MG)	23	0.58	0.23	0.28	0.12	0.31	1.20	1.99	2.77	4.38	4.75	3.96	2.63	
PERCOLATION LOSS FROM STORAGE (MG)	38	3.23	3.13	3.23	3.23	2.92	3.23	3.13	3.23	3.13	3.23	3.23	3.13	
RUNOFF TO STORAGE FROM RAIN CATCHMENT AREA (MG)	23	0.25	1.01	2.49	3.48	4.80	3.79	3.92	2.26	0.91	0.29	0.06	0.11	
PRECIP CAPTURED BY WWTP PROCESS AREAS (MG)	2	0.04	0.13	0.31	0.40	0.51	0.38	0.37	0.21	0.08	0.03	0.01	0.01	
STORAGE AT END OF MONTH (MG)		10.33	30.69	53.16	81.08	107.56	130.92	153.02	168.72	162.11	142.14	124.11	117.66	
													168.7	
													155.0	
SUMMARY														
ANNUAL INFLOWS (MG)		ANNUAL OUTFLOWS (MG)					OVERALL BALANCE (MUST NOT BE NEGATIVE)							
WASTEWATER.....	270	EVAPORATION.....					TOTAL UNUSED DISPOSAL CAPACITY (MG)							-120
INFLOW AND INFILTRATION.....	14	PERCOLATION.....					UNUSED LAA CAPACITY (MG)							0
PRECIPITATION INTO WWTP AND RESERVOIR.....	26	ON-SITE LAND DISPOSAL.....					UNUSED COWRP CAPACITY (MG)							0
		DISCHARGE TO COWRP.....					TOTAL UNUSED STORAGE CAPACITY (MG)							-14
TOTAL INFLOW	310	TOTAL OUTFLOW												

MULE CREEK STATE PRISON

Scenario 2

FILE: 2518-0050

CURRENT PERMIT ADWF WATER BALANCE UNDER 1-in-100 YEAR TYPE HYDROLOGIC CONDITIONS, EXISTING LAAs + DISCHARGE TO COWRP

2/13/2025

INPUT DATA, CONSTANT																
SANITARY FLOW CHARACTERISTICS			EXISTING STORAGE RESERVOIRS					CLIMATOLOGICAL FACTORS								
STARTING AVERAGE FLOW (MGD).....	0.74		CATCHMENT AREA (AC).....		27.0		CLIMATOLOGICAL DESIGN BASIS								1-in-100 YEAR	
			WATER SURFACE (AC).....		21.6		DESIGN PRECIP/AVG PRECIP RATIO.....								1.81	
			BOTTOM SURFACE (AC).....		9.6		OCT-APR EVAP/AVG EVAP RATIO.....								0.75	
POST MCIC IRRIGATION AREA TOTAL (AC).....	200		STORAGE AVAILABLE (MG).....		155		MAY-SEP EVAP/AVG EVAP RATIO.....								1.00	
POST MCIC IRRIGATION FIELDS 1-4 & 6 AREA (AC).....	157		EFFECTIVE STORAGE PERCOLATION RATE (IN/DAY).....		0.40		IRRIGATION AREA SOIL RUNOFF COEFFICIENT.....								0.05	
POST MCIC IRRIGATION FIELD 7 AREA (AC).....	43		EXISTING WWTP PROCESS AREAS					STORAGE CATCHMENT SOIL RUNOFF COEFF.....							0.50	
POST MCIC NEW AREA (AC).....	0		OXIDATION DITCH SURFACE AREA (AC).....		0.28		STORAGE CATCHMENT RESERVOIR RUNOFF COEFF.....								1.00	
POST MCIC NEW AREA W/1 RESERVOIR (AC).....	0		COMBINED CLARIFIER SURFACE AREA (AC).....		0.18											
IRRIGATION FIELD 7 MAX APPLICATION EFFICIENCY.....	1.10		CHLORINE CONTACT BASIN SURFACE AREA (AC).....		0.7											
IRRIGATION FIELDS 1-4 & 6 MAX APPLICATION EFFICIENCY.....	0.60		TOTAL TREATMENT PROCESS SURFACE AREA (AC).....		1.2											
INPUT DATA, MONTHLY VARIABLE																
MONTH	ANNUAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
DAYS IN MONTH	365	31	30	31	31	28	31	30	31	30	31	31	30			
AVERAGE DRY WEATHER FLOW (MGD)		0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74			
AVG PRECIP, AVG OF IONE & PARDEE (IN)	21.8	0.31	1.17	2.69	3.49	4.52	3.35	3.29	1.82	0.74	0.25	0.06	0.10			
ZONE 14 WET YEAR REFERENCE EVAPOTRANSPIRATION (ETo) (IN)	45.6	3.86	1.19	1.17	0.41	0.87	2.90	4.30	4.13	6.63	7.87	7.21	5.01			
WATER SURFACE EVAPORATION COEFFICIENT		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
CROP COEFFICIENT (Kc), EXISTING MISC. GRASSES		0.92	1.11	0.95	1.15	1.17	1.10	1.03	1.13	1.02	1.00	1.00	1.00			
CROP COEFFICIENT (Kc), TREES (OAKS)		0.75	0.92	0.94	1.05	1.10	0.85	0.89	1.13	0.98	0.90	0.94	0.92			
WEIGHTED CROP COEFFICIENT FOR MCSP SITE		0.88	1.07	0.95	1.13	1.16	1.05	1.00	1.13	1.01	0.98	0.99	0.98			
PRESTON YOUTH FACILITY I/I VOLUME (MGD)		0.011	0.014	0.016	0.067	0.097	0.029	0.023	0.001	0.000	0.000	0.000	0.000			
MCIC FACILITY I/I VOLUME (MGD)		0.013	0.002	0.000	0.000	0.000	0.005	0.010	0.002	0.002	0.000	0.000	0.000			
MCSP + CAL FIRE FACILITY I/I VOLUME (MGD)		0.000	0.000	0.000	0.087	0.051	0.000	0.003	0.025	0.018	0.000	0.000	0.000			
TOTAL I/I VOLUME (MGD)		0.024	0.016	0.016	0.154	0.149	0.034	0.036	0.028	0.020	0.000	0.000	0.000			
TOTAL INFLUENT FLOW RATE (MGD)		0.76	0.76	0.76	0.89	0.89	0.77	0.78	0.77	0.76	0.74	0.74	0.74			
CALCULATIONS																
CALCULATIONS / MONTH	ANNUAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
RAIN-RELATED CALCULATIONS																
PERCENT ANNUAL RAINFALL/MONTH (%)		1.4%	5.4%	12.4%	16.0%	20.8%	15.4%	15.1%	8.4%	3.4%	1.1%	0.3%	0.4%			
ESTIMATED IONE RAIN, 1-in-100 YEAR (IN)	39.4	0.56	2.12	4.87	6.32	8.17	6.05	5.95	3.29	1.33	0.44	0.10	0.17			
EFFECTIVE RAIN FOR PLANTS (IN)	37.4	0.53	2.01	4.63	6.00	7.76	5.75	5.65	3.13	1.26	0.42	0.09	0.16			
EVAPORATION-RELATED CALCULATIONS																
EVAPOTRANSPIRATION POTENTIAL (IN) (ETc) (ETo * Weighted Kc)	46	3.42	1.28	1.11	0.46	1.01	3.04	4.30	4.66	6.69	7.71	7.11	4.92			
1-in-100 YEAR DESIGN ET POTENTIAL (IN) (ETc * Seasonal Evaporation Ratio)	42	2.56	0.96	0.83	0.35	0.76	2.28	3.23	4.66	6.69	7.71	7.11	4.92			
WWTP / STORAGE RESERVOIR EVAPORATION (IN) (ETo * Water Surface Coefficient)	42	2.90	0.89	0.88	0.31	0.65	2.18	3.23	4.13	6.63	7.87	7.21	5.01			
SANITARY-RELATED CALCULATIONS																
AVERAGE DRY WEATHER FLOW VOLUME (MG)	270	22.9	22.2	22.9	22.9	20.7	22.9	22.2	22.9	22.2	22.9	22.9	22.2			
I/I FLOW VOLUME (MG)	14	0.74	0.48	0.50	4.77	4.17	1.05	1.08	0.87	0.60	0.00	0.00	0.00			
TOTAL INFLUENT FLOW VOLUME (MG)	285	23.7	22.7	23.5	27.8	24.9	24.0	23.3	23.9	22.8	23.0	23.0	22.2			
DESIGN DISCHARGE TO FIELD 7																
BEGINNING AVAILABLE RAIN WATER IN SOIL (IN)		0.00	0.00	1.05	4.20	4.20	4.20	4.20	4.20	2.67	0.00	0.00	0.00			
LAND AREA UNDER IRRIGATION (AC)		43	43	43	43	43	43	43	43	43	43	43	43			
POTENTIAL 1-in-100 YEAR EFFLUENT APPLICATION RATE (IN/MONTH)	26	2.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.04	8.02	7.71	5.23			
POTENTIAL 1-in-100 YEAR EFFLUENT APPLICATION VOLUME (MG)	31	2.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.55	9.37	9.00	6.11			
MAX EFFLUENT VOLUME AVAILABLE FOR LAND (MG)		23.7	35.0	52.3	78.8	103.3	127.1	149.7	172.4	184.3	173.3	146.1	107.9			
AVAILABLE EFFLUENT APPLIED TO LAND (MG)	31	2.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.55	9.37	9.00	6.11			
AVERAGE EFFLUENT DISCHARGE RATE TO FIELD 7 (MGD)		0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.30	0.29	0.20			
EFFLUENT IRRIGATION RATE (IN/MONTH)	26	2.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.04	8.02	7.71	5.23			
DESIGN DISCHARGE TO FIELDS 1-4 & 6																
BEGINNING AVAILABLE RAIN WATER IN SOIL (IN)		0.00	0.00	0.28	0.28	0.28	0.28	0.28	0.28	0.00	0.00	0.00	0.00			
LAND AREA UNDER IRRIGATION (AC)		157	157	157	157	157	157	157	157	157	157	157	157			
POTENTIAL 1-in-100 YEAR EFFLUENT APPLICATION RATE (IN/MONTH)	17	1.22	0.00	0.00	0.00	0.00	0.00	0.00	0.75	3.26	4.38	4.21	2.85			
POTENTIAL 1-in-100 YEAR EFFLUENT APPLICATION VOLUME (MG)	71	5.19	0.00	0.00	0.00	0.00	0.00	0.00	3.21	13.88	18.65	17.93	12.16			
REMAINING EFFLUENT VOLUME AVAILABLE FOR LAND (MG)		21.09	35.03	52.29	78.75	103.25	127.08	149.73	172.43	180.79	163.96	137.05	101.82			
REMAINING AVAILABLE EFFLUENT APPLIED TO LAND (MG)	71	5.19	0.00	0.00	0.00	0.00	0.00	0.00	3.21	13.88	18.65	17.93	12.16			
AVERAGE EFFLUENT DISCHARGE RATE (MGD)		0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.46	0.60	0.58	0.41			
EFFLUENT IRRIGATION RATE (IN/MONTH)	17	1.22	0.00	0.00	0.00	0.00	0.00	0.00	0.75	3.26	4.38	4.21	2.85			
DESIGN DISCHARGE TO COWRP																
AVERAGE COWRP DISCHARGE (MGD)		0.00	0.13	0.01	0.02	0.06	0.00	0.00	0.13	0.34	0.48	0.87	0.66			
MONTHLY DISCHARGE TO COWRP (MG)	83	0.0	3.9	0.3	0.5	1.7	0.0	0.0	4.0	10.2	15.0	27.1	19.9			
HISTORICAL AVERAGE DISCHARGE TO COWRP (MG)	93.8	8.9	3.4	0.2	2.4	1.1	0.0	0.9	3.9	9.3	15.0	27.7	21.1			
CDCR/ARSA AGREEMENT LIMITED PRESTON DISCHARGE (MG)	114	1.8	1.8	1.8	1.8	1.8	1.8	17.3	17.3	17.3	17.3	17.3	17.3			
CDCR/ARSA AGREEMENT LIMITED PRESTON DISCHARGE (ACFT)	350	5.4	5.4	5.4	5.4	5.4	5.4	53.0	53.0	53.0	53.0	53.0	53.0			
DESIGN LOSSES AND GAINS FROM STORAGE																
STORAGE AT BEGINNING OF MONTH (MG)		0.00	12.33	28.79	50.95	78.35	103.08	126.43	148.53	161.53	150.32	123.05	85.72			
EFFLUENT STORAGE VOLUME GAIN/LOSS (MG)		15.90	18.80	23.20	27.30	23.20	24.00	23.30	16.69	-4.82	-20.02	-31.04	-15.97			
UNADJUSTED STORAGE VOLUME (MG)		15.90	31.13	51.99	78.25	101.55	127.08	149.73	165.22	156.71	130.31	92.01	69.76			
APPROXIMATE EFFECTIVE RESERVOIR EVAP AREA (AC)		6.4	8.1	10.4	13.2	15.8	18.6	21.1	22.8	21.8	18.9	14.8	12.3			
APPROXIMATE EFFECTIVE RESERVOIR PERC AREA (AC)		9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6			
APPROXIMATE AREA OF WWTP PROCESSES (AC)		1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2			
EVAPORATIVE LOSS FROM STORAGE (MG)	21	0.60	0.22	0.27	0.12	0.30	1.17	1.95	2.68	4.14	4.30	3.12	1.83			
PERCOLATION LOSS FROM STORAGE (MG)	38	3.23	3.13	3.23	3.23	2.92	3.23	3.13	3.23	3.13	3.23	3.23	3.13			
RUNOFF TO STORAGE FROM RAIN CATCHMENT AREA (MG)	23	0.25	1.01	2.47	3.45	4.75	3.75	3.88	2.23	0.88	0.28	0.06	0.09			
PRECIP CAPTURED BY WWTP PROCESS AREAS (MG)	2	0.04	0.13	0.31	0.40	0.51	0.38	0.37	0.21	0.08	0.03	0.01	0.01			
STORAGE AT END OF MONTH (MG)		12.33	28.79	50.95	78.35	103.08	126.43	148.53	161.53	150.32	123.05	85.72	64.89			
MAXIMUM STORAGE REQUIRED (MG).....														161.5		
TOTAL AVAILABLE STORAGE (MG).....														155.0		
SUMMARY																
ANNUAL INFLOWS (MG)			ANNUAL OUTFLOWS (MG)				OVERALL BALANCE (MUST NOT BE NEGATIVE)									
WASTEWATER.....	270		EVAPORATION.....		21		TOTAL UNUSED DISPOSAL CAPACITY (MG)								-66	
INFLOW AND INFILTRATION.....	14		PERCOLATION.....		38		UNUSED LAA CAPACITY (MG)								0	
PRECIPITATION INTO WWTP AND RESERVOIR.....	26		ON-SITE LAND DISPOSAL.....		102		UNUSED COWRP CAPACITY (MG)								0	
			DISCHARGE TO COWRP.....		83		TOTAL UNUSED STORAGE CAPACITY (MG)								-7	
TOTAL INFLOW	310		TOTAL OUTFLOW		244											

MULE CREEK STATE PRISON				Scenario 2				FILE: 2518-0050					
CURRENT PERMIT ADWF WATER BALANCE UNDER 1-in-100 YEAR TYPE HYDROLOGIC CONDITIONS, EXPANDED LAAs + DISCHARGE TO COWRP												2/13/2025	
INPUT DATA, CONSTANT													
SANITARY FLOW CHARACTERISTICS				EXISTING STORAGE RESERVOIRS				CLIMATOLOGICAL FACTORS					
STARTING AVERAGE FLOW (MGD).....				CATCHMENT AREA (AC).....				CLIMATOLOGICAL DESIGN BASIS					
0.74				27.0				1-in-100 YEAR					
				WATER SURFACE (AC).....				DESIGN PRECIP/AVG PRECIP RATIO.....					
				21.6				1.81					
IRRIGATION AREA CHARACTERISTICS				BOTTOM SURFACE (AC).....				OCT-APR EVAP/AVG EVAP RATIO.....					
POST MCIC IRRIGATION AREA TOTAL (AC).....				9.6				0.75					
261				STORAGE AVAILABLE (MG).....				MAY-SEP EVAP/AVG EVAP RATIO.....					
157				155				1.00					
POST MCIC IRRIGATION FIELDS 1 -4 & 6 AREA (AC).....				EFFECTIVE STORAGE PERCOLATION RATE (IN/DAY).....				IRRIGATION AREA SOIL RUNOFF COEFFICIENT					
43				0.40				0.05					
POST MCIC IRRIGATION FIELD 7 AREA (AC).....				EXISTING WWTP PROCESS AREAS				STORAGE CATCHMENT SOIL RUNOFF COEFF.....					
61				OXIDATION DITCH SURFACE AREA (AC).....				0.50					
0				0.28				STORAGE CATCHMENT RESERVOIR RUNOFF COEFF.....					
1.10				0.18				1.00					
0.60				0.7									
				TOTAL TREATMENT PROCESS SURFACE AREA (AC).....									
				1.2									
INPUT DATA, MONTHLY VARIABLE													
MONTH	ANNUAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
DAYS IN MONTH	365	31	30	31	31	28	31	30	31	30	31	31	30
AVERAGE DRY WEATHER FLOW (MGD)		0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74
AVG PRECIP, AVG OF IONE & PARDEE (IN)	21.8	0.31	1.17	2.69	3.49	4.52	3.35	3.29	1.82	0.74	0.25	0.06	0.10
ZONE 14 WET YEAR REFERENCE EVAPOTRANSPIRATION (ETo) (IN)	45.6	3.86	1.19	1.17	0.41	0.87	2.90	4.30	4.13	6.63	7.87	7.21	5.01
WATER SURFACE EVAPORATION COEFFICIENT		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
CROP COEFFICIENT (Kc), EXISTING MISC. GRASSES		0.92	1.11	0.95	1.15	1.17	1.10	1.03	1.13	1.02	1.00	1.00	1.00
CROP COEFFICIENT (Kc), TREES (OAKS)		0.75	0.92	0.94	1.05	1.10	0.85	0.89	1.13	0.98	0.90	0.94	0.92
WEIGHTED CROP COEFFICIENT FOR MCSP SITE		0.88	1.07	0.95	1.13	1.16	1.05	1.00	1.13	1.01	0.98	0.99	0.98
PRESTON YOUTH FACILITY I/I VOLUME (MGD)		0.011	0.014	0.016	0.067	0.097	0.029	0.023	0.001	0.000	0.000	0.000	0.000
MCIC FACILITY I/I VOLUME (MGD)		0.013	0.002	0.000	0.000	0.001	0.005	0.010	0.002	0.002	0.000	0.000	0.000
MCSP + CAL FIRE FACILITY I/I VOLUME (MGD)		0.000	0.000	0.000	0.087	0.051	0.000	0.003	0.025	0.018	0.000	0.000	0.000
TOTAL I/I VOLUME (MGD)		0.024	0.016	0.016	0.154	0.149	0.034	0.036	0.028	0.020	0.000	0.000	0.000
TOTAL INFLUENT FLOW RATE (MGD)		0.76	0.76	0.76	0.89	0.89	0.77	0.78	0.77	0.76	0.74	0.74	0.74
CALCULATIONS													
CALCULATIONS / MONTH	ANNUAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
RAIN-RELATED CALCULATIONS													
PERCENT ANNUAL RAINFALL/MONTH (%)		1.4%	5.4%	12.4%	16.0%	20.8%	15.4%	15.1%	8.4%	3.4%	1.1%	0.3%	0.4%
ESTIMATED IONE RAIN, 1-in-100 YEAR (IN)	39.4	0.56	2.12	4.87	6.32	8.17	6.05	5.95	3.29	1.33	0.44	0.10	0.17
EFFECTIVE RAIN FOR PLANTS (IN)	37.4	0.53	2.01	4.63	6.00	7.76	5.75	5.65	3.13	1.26	0.42	0.09	0.16
EVAPORATION-RELATED CALCULATIONS													
EVAPOTRANSPIRATION POTENTIAL (IN) (ETc) (ETo * Weighted Kc)	46	3.42	1.28	1.11	0.46	1.01	3.04	4.30	4.66	6.69	7.71	7.11	4.92
1-in-100 YEAR DESIGN ET POTENTIAL (IN) (ETc * Seasonal Evaporation Ratio)	42	2.56	0.96	0.83	0.35	0.76	2.28	3.23	4.66	6.69	7.71	7.11	4.92
WWTP / STORAGE RESERVOIR EVAPORATION (IN) (ETo * Water Surface Coefficient)	42	2.90	0.89	0.88	0.31	0.65	2.18	3.23	4.13	6.63	7.87	7.21	5.01
SANITARY-RELATED CALCULATIONS													
AVERAGE DRY WEATHER FLOW VOLUME (MG)	270	22.9	22.2	22.9	22.9	20.7	22.9	22.2	22.9	22.2	22.9	22.9	22.2
I/I FLOW VOLUME (MG)	14	0.74	0.48	0.50	4.77	4.17	1.05	1.08	0.87	0.60	0.00	0.00	0.00
TOTAL INFLUENT FLOW VOLUME (MG)	285	23.7	22.7	23.5	27.8	24.9	24.0	23.3	23.9	22.8	23.0	23.0	22.2
DESIGN DISCHARGE TO FIELD 7													
BEGINNING AVAILABLE RAIN WATER IN SOIL (IN)		0.00	0.00	1.05	4.20	4.20	4.20	4.20	4.20	2.67	0.00	0.00	0.00
LAND AREA UNDER IRRIGATION (AC)		43	43	43	43	43	43	43	43	43	43	43	43
POTENTIAL 1-in-100 YEAR EFFLUENT APPLICATION RATE (IN/MONTH)	26	2.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.04	8.02	7.71	5.23
POTENTIAL 1-in-100 YEAR EFFLUENT APPLICATION VOLUME (MG)	31	2.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.55	9.37	9.00	6.11
MAX EFFLUENT VOLUME AVAILABLE FOR LAND (MG)		23.7	33.0	50.3	76.7	101.2	125.0	147.7	170.4	181.1	164.8	130.7	86.0
AVAILABLE EFFLUENT APPLIED TO LAND (MG)	31	2.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.55	9.37	9.00	6.11
AVERAGE EFFLUENT DISCHARGE RATE TO FIELD 7 (MGD)		0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.30	0.29	0.20
EFFLUENT IRRIGATION RATE (IN/MONTH)	26	2.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.04	8.02	7.71	5.23
DESIGN DISCHARGE TO FIELDS 1-4 & 6													
BEGINNING AVAILABLE RAIN WATER IN SOIL (IN)		0.00	0.00	0.28	0.28	0.28	0.28	0.28	0.28	0.00	0.00	0.00	0.00
LAND AREA UNDER IRRIGATION (AC)		218	218	218	218	218	218	218	218	218	218	218	218
POTENTIAL 1-in-100 YEAR EFFLUENT APPLICATION RATE (IN/MONTH)	17	1.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.26	4.38	4.21	2.85
POTENTIAL 1-in-100 YEAR EFFLUENT APPLICATION VOLUME (MG)	99	7.21	0.00	0.00	0.00	0.00	0.00	0.00	4.46	19.27	25.90	24.90	16.89
REMAINING EFFLUENT VOLUME AVAILABLE FOR LAND (MG)		21.09	33.03	50.29	76.74	101.22	125.03	147.67	170.38	177.51	155.44	121.65	79.92
REMAINING AVAILABLE EFFLUENT APPLIED TO LAND (MG)	99	7.21	0.00	0.00	0.00	0.00	0.00	0.00	4.46	19.27	25.90	24.90	16.89
AVERAGE EFFLUENT DISCHARGE RATE (MGD)		0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.64	0.84	0.80	0.56
EFFLUENT IRRIGATION RATE (IN/MONTH)	17	1.22	0.00	0.00	0.00	0.00	0.00	0.00	0.75	3.26	4.38	4.21	2.85
DESIGN DISCHARGE TO COWRP													
AVERAGE COWRP DISCHARGE (MGD)		0.00	0.13	0.01	0.02	0.06	0.00	0.00	0.13	0.34	0.48	0.87	0.66
MONTHLY DISCHARGE TO COWRP (MG)	83	0.0	3.9	0.3	0.5	1.7	0.0	0.0	4.0	10.2	15.0	27.1	19.9
HISTORICAL AVERAGE DISCHARGE TO COWRP (MG)	93.8	8.9	3.4	0.2	2.4	1.1	0.0	0.9	3.9	9.3	15.0	27.7	21.1
CDCR/ARSA AGREEMENT LIMITED PRESTON DISCHARGE (MG)	114	1.8	1.8	1.8	1.8	1.8	1.8	17.3	17.3	17.3	17.3	17.3	17.3
CDCR/ARSA AGREEMENT LIMITED PRESTON DISCHARGE (ACFT)	350	5.4	5.4	5.4	5.4	5.4	5.4	53.0	53.0	53.0	53.0	53.0	53.0
DESIGN LOSSES AND GAINS FROM STORAGE													
STORAGE AT BEGINNING OF MONTH (MG)		0.00	10.33	26.79	48.94	76.32	101.03	124.37	146.48	158.26	141.81	107.65	63.83
EFFLUENT STORAGE VOLUME GAIN/LOSS (MG)		13.89	18.80	23.20	27.30	23.20	24.00	23.30	15.44	-10.22	-27.27	-38.01	-20.69
UNADJUSTED STORAGE VOLUME (MG)		13.89	29.13	49.99	76.24	99.52	125.03	147.67	161.93	148.04	114.54	69.64	43.14
APPROXIMATE EFFECTIVE RESERVOIR EVAP AREA (AC)		6.2	7.9	10.2	13.0	15.6	18.4	20.8	22.4	20.9	17.2	12.3	9.4
APPROXIMATE EFFECTIVE RESERVOIR PERC AREA (AC)		9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
APPROXIMATE AREA OF WWTP PROCESSES (AC)		1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
EVAPORATIVE LOSS FROM STORAGE (MG)	19	0.58	0.22	0.27	0.12	0.30	1.15	1.93	2.64	3.97	3.93	2.64	1.44
PERCOLATION LOSS FROM STORAGE (MG)	38	3.23	3.13	3.23	3.23	2.92	3.23	3.13	3.23	3.13	3.23	3.23	3.13
RUNOFF TO STORAGE FROM RAIN CATCHMENT AREA (MG)	23	0.25	1.00	2.46	3.43	4.72	3.73	3.86	2.21	0.86	0.27	0.05	0.08
PRECIP CAPTURED BY WWTP PROCESS AREAS (MG)	2	0.04	0.13	0.31	0.40	0.51	0.38	0.37	0.21	0.08	0.03	0.01	0.01
STORAGE AT END OF MONTH (MG)		10.33	26.79	48.94	76.32	101.03	124.37	146.48	158.26	141.81	107.65	63.83	38.66
MAXIMUM STORAGE REQUIRED (MG).....													158.3
TOTAL AVAILABLE STORAGE (MG).....													155.0
SUMMARY													
ANNUAL INFLOWS (MG)				ANNUAL OUTFLOWS (MG)				OVERALL BALANCE (MUST NOT BE NEGATIVE)					
WASTEWATER.....				EVAPORATION.....				TOTAL UNUSED DISPOSAL CAPACITY (MG)					
14				38				0					
INFLOW AND INFILTRATION.....				ON-SITE LAND DISPOSAL.....				UNUSED COWRP CAPACITY (MG)					
25				83				0					
PRECIPITATION INTO WWTP AND RESERVOIR.....				DISCHARGE TO COWRP.....				TOTAL UNUSED STORAGE CAPACITY (MG)					
309				269				-3					
TOTAL INFLOW				TOTAL OUTFLOW									

MULE CREEK STATE PRISON

Scenario 3

FILE: 2518-0050

MAX POTENTIAL OCCUPANCY ADWF WATER BALANCE UNDER AVG YEAR TYPE HYDROLOGIC CONDITIONS, NO OFF-SITE DISCHARGES

2/13/2025

INPUT DATA, CONSTANT															
SANITARY FLOW CHARACTERISTICS			EXISTING STORAGE RESERVOIRS					CLIMATOLOGICAL FACTORS							
STARTING AVERAGE FLOW (MGD).....	0.67		CATCHMENT AREA (AC).....		27.0			CLIMATOLOGICAL DESIGN BASIS					Avg. Year Cond.		
			WATER SURFACE (AC).....		21.6			DESIGN PRECIP/AVG PRECIP RATIO.....					1.00		
			BOTTOM SURFACE (AC).....		9.6			OCT-APR EVAP/AVG EVAP RATIO.....					1.00		
POST MCIC IRRIGATION AREA TOTAL (AC).....	200		STORAGE AVAILABLE (MG).....		155			MAY-SEP EVAP/AVG EVAP RATIO.....					1.00		
POST MCIC IRRIGATION FIELDS 1-4 & 6 AREA (AC).....	157		EFFECTIVE STORAGE PERCOLATION RATE (IN/DAY).....		0.40			IRRIGATION AREA SOIL RUNOFF COEFFICIENT					0.05		
POST MCIC IRRIGATION FIELD 7 AREA (AC).....	43		EXISTING WWTP PROCESS AREAS					STORAGE CATCHMENT SOIL RUNOFF COEFF.....					0.50		
POST MCIC NEW AREA (AC).....	0		OXIDATION DITCH SURFACE AREA (AC).....		0.28			STORAGE CATCHMENT RESERVOIR RUNOFF COEFF.....					1.00		
POST MCIC NEW AREA W/II RESERVOIR (AC).....	0		COMBINED CLARIFIER SURFACE AREA (AC).....		0.18										
IRRIGATION FIELD 7 MAX APPLICATION EFFICIENCY	1.10		CHLORINE CONTACT BASIN SURFACE AREA (AC).....		0.7										
IRRIGATION FIELDS 1-4 & 6 MAX APPLICATION EFFICIENCY	0.60		TOTAL TREATMENT PROCESS SURFACE AREA (AC).....		1.2										
INPUT DATA, MONTHLY VARIABLE															
MONTH	ANNUAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
DAYS IN MONTH	365	31	30	31	31	28	31	30	31	30	31	31	30		
AVERAGE DRY WEATHER FLOW (MGD)		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67		
AVG PRECIP, AVG OF IONE & PARDEE (IN)	21.8	0.31	1.17	2.69	3.49	4.52	3.35	3.29	1.82	0.74	0.25	0.06	0.10		
ZONE 14 TYPICAL YEAR REFERENCE EVAPOTRANSPIRATION (ETo) (IN)	56.2	3.86	1.25	1.14	0.73	2.36	4.13	5.82	7.62	8.00	8.36	7.11	5.82		
ZONE 12 WET REFERENCE EVAPOTRANSPIRATION (ETo) (IN)	53.4	3.72	1.80	0.93	1.24	1.96	3.41	5.10	6.82	7.80	8.06	7.13	5.40		
WATER SURFACE EVAPORATION COEFFICIENT		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
CROP COEFFICIENT (Kc), EXISTING GRASSES		0.85	0.74	0.93	1.18	0.65	0.65	0.84	1.00	1.01	1.00	1.02	0.99		
CROP COEFFICIENT (Kc), TREES (OAKS)		0.69	0.48	0.93	1.18	0.39	0.30	0.43	0.86	0.94	0.93	0.95	0.92		
WEIGHTED CROP COEFFICIENT FOR MCSP SITE		0.82	0.68	0.93	1.18	0.60	0.58	0.76	0.97	1.00	0.99	1.01	0.97		
MCIC FACILITY I/II VOLUME (MGD)		0.000	0.001	0.002	0.002	0.002	0.000	0.005	0.000	0.000	0.000	0.000	0.000		
MCSP, PYCF, CAL FIRE FACILITY I/II VOLUME (MGD)		0.000	0.000	0.043	0.032	0.024	0.036	0.011	0.006	0.001	0.000	0.000	0.000		
TOTAL I/II VOLUME (MGD)		0.000	0.001	0.045	0.034	0.026	0.036	0.016	0.006	0.001	0.000	0.000	0.000		
TOTAL INFLUENT FLOW RATE (MGD)		0.67	0.67	0.72	0.70	0.70	0.71	0.69	0.68	0.67	0.67	0.67	0.67		
CALCULATIONS															
CALCULATIONS / MONTH	ANNUAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
RAIN-RELATED CALCULATIONS															
PERCENT ANNUAL RAINFALL/MONTH (%)		1.4%	5.4%	12.4%	16.0%	20.8%	15.4%	15.1%	8.4%	3.4%	1.1%	0.3%	0.4%		
ESTIMATED IONE RAIN, Avg. Year Cond. (IN)	21.8	0.31	1.17	2.69	3.49	4.52	3.35	3.29	1.82	0.74	0.25	0.06	0.10		
EFFECTIVE RAIN FOR PLANTS (IN)	20.7	0.29	1.11	2.56	3.32	4.29	3.18	3.12	1.73	0.70	0.23	0.05	0.09		
EVAPORATION-RELATED CALCULATIONS															
EVAPOTRANSPIRATION POTENTIAL (IN) (ETc) (ETo * Weighted Kc)	51	3.16	0.86	1.06	0.86	1.42	2.40	4.41	7.38	7.97	8.24	7.15	5.67		
Avg. Year Cond. DESIGN ET POTENTIAL (IN) (ETc * Seasonal Evaporation Ratio)	51	3.16	0.86	1.06	0.86	1.42	2.40	4.41	7.38	7.97	8.24	7.15	5.67		
WWTP / STORAGE RESERVOIR EVAPORATION (IN) (ETo * Water Surface Coefficient)	56	3.86	1.25	1.14	0.73	2.36	4.13	5.82	7.62	8.00	8.36	7.11	5.82		
SANITARY-RELATED CALCULATIONS															
AVERAGE DRY WEATHER FLOW VOLUME (MG)	245	20.8	20.1	20.8	20.8	18.8	20.8	20.1	20.8	20.1	20.8	20.8	20.1		
I/II FLOW VOLUME (MG)	5	0.00	0.04	1.40	1.06	0.74	1.13	0.48	0.19	0.04	0.00	0.00	0.01		
TOTAL INFLUENT FLOW VOLUME (MG)	250	20.8	20.2	22.2	21.9	19.5	21.9	20.6	21.0	20.2	20.8	20.8	20.2		
DESIGN DISCHARGE TO FIELD 7															
BEGINNING AVAILABLE RAIN WATER IN SOIL (IN)		0.00	0.00	0.26	1.75	4.20	4.20	4.20	2.91	0.00	0.00	0.00	0.00		
LAND AREA UNDER IRRIGATION (AC)		43	43	43	43	43	43	43	43	43	43	43	43		
POTENTIAL Avg. Year Cond. EFFLUENT APPLICATION RATE (IN/MONTH)	37	3.15	0.00	0.00	0.00	0.00	0.00	0.00	3.01	8.00	8.81	7.81	6.14		
POTENTIAL Avg. Year Cond. EFFLUENT APPLICATION VOLUME (MG)	43	3.68	0.00	0.00	0.00	0.00	0.00	0.00	3.52	9.34	10.29	9.12	7.16		
MAX EFFLUENT VOLUME AVAILABLE FOR LAND (MG)		20.8	26.2	45.5	65.2	83.0	103.6	121.0	135.3	131.5	117.9	101.4	88.4		
AVAILABLE EFFLUENT APPLIED TO LAND (MG)	43	3.68	0.00	0.00	0.00	0.00	0.00	0.00	3.52	9.34	10.29	9.12	7.16		
AVERAGE EFFLUENT DISCHARGE RATE TO FIELD 7 (MGD)		0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.31	0.33	0.29	0.24		
EFFLUENT IRRIGATION RATE (IN/MONTH)	37	3.15	0.00	0.00	0.00	0.00	0.00	0.00	3.01	8.00	8.81	7.81	6.14		
DESIGN DISCHARGE TO FIELDS 1-4 & 6															
BEGINNING AVAILABLE RAIN WATER IN SOIL (IN)		0.00	0.00	0.26	0.28	0.28	0.28	0.28	0.00	0.00	0.00	0.00	0.00		
LAND AREA UNDER IRRIGATION (AC)		157	157	157	157	157	157	157	157	157	157	157	157		
POTENTIAL Avg. Year Cond. EFFLUENT APPLICATION RATE (IN/MONTH)	22	1.72	0.00	0.00	0.00	0.00	0.00	0.61	3.39	4.36	4.81	4.26	3.35		
POTENTIAL Avg. Year Cond. EFFLUENT APPLICATION VOLUME (MG)	96	7.32	0.00	0.00	0.00	0.00	0.00	2.58	14.45	18.60	20.49	18.16	14.27		
REMAINING EFFLUENT VOLUME AVAILABLE FOR LAND (MG)		17.12	26.19	45.51	65.18	83.03	103.56	120.95	131.74	122.15	107.64	92.25	81.23		
REMAINING AVAILABLE EFFLUENT APPLIED TO LAND (MG)	96	7.32	0.00	0.00	0.00	0.00	0.00	2.58	14.45	18.60	20.49	18.16	14.27		
AVERAGE EFFLUENT DISCHARGE RATE (MGD)		0.24	0.00	0.00	0.00	0.00	0.00	0.09	0.47	0.62	0.66	0.59	0.48		
EFFLUENT IRRIGATION RATE (IN/MONTH)	22	1.72	0.00	0.00	0.00	0.00	0.00	0.61	3.39	4.36	4.81	4.26	3.35		
DESIGN DISCHARGE TO COWRP															
AVERAGE COWRP DISCHARGE (MGD)		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
MONTHLY DISCHARGE TO COWRP (MG)	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
HISTORICAL AVERAGE DISCHARGE TO COWRP (MG)	93.8	8.9	3.4	0.2	2.4	1.1	0.0	0.9	3.9	9.3	15.0	27.7	21.1		
CDCR/ARSA AGREEMENT LIMITED PRESTON DISCHARGE (MG)	114	1.8	1.8	1.8	1.8	1.8	1.8	17.3	17.3	17.3	17.3	17.3	17.3		
CDCR/ARSA AGREEMENT LIMITED PRESTON DISCHARGE (ACFT)	350	5.4	5.4	5.4	5.4	5.4	5.4	53.0	53.0	53.0	53.0	53.0	53.0		
DESIGN LOSSES AND GAINS FROM STORAGE															
STORAGE AT BEGINNING OF MONTH (MG)		0.00	5.99	23.31	43.28	63.53	81.66	100.35	114.26	111.29	97.12	80.56	68.19		
EFFLUENT STORAGE VOLUME GAIN/LOSS (MG)		9.81	20.20	22.20	21.90	19.50	21.90	18.02	3.03	-7.74	-9.97	-6.48	-1.23		
UNADJUSTED STORAGE VOLUME (MG)		9.81	26.19	45.51	65.18	83.03	103.56	118.37	117.29	103.55	87.15	74.09	66.96		
APPROXIMATE EFFECTIVE RESERVOIR EVAP AREA (AC)		5.8	7.5	9.7	11.8	13.8	17.6	17.6	14.2	14.2	12.8	12.8	12.0		
APPROXIMATE EFFECTIVE RESERVOIR PERC AREA (AC)		9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6		
APPROXIMATE AREA OF WWTP PROCESSES (AC)		1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2		
EVAPORATIVE LOSS FROM STORAGE (MG)	23	0.72	0.30	0.33	0.26	0.96	1.93	2.97	3.87	3.73	3.49	2.69	2.08		
PERCOLATION LOSS FROM STORAGE (MG)	38	3.23	3.13	3.23	3.23	2.92	3.23	3.13	3.23	3.13	3.23	3.23	3.13		
RUNOFF TO STORAGE FROM RAIN CATCHMENT AREA (MG)	12	0.14	0.55	1.34	1.84	2.50	1.95	1.99	1.10	0.43	0.14	0.03	0.05		
PRECIP CAPTURED BY WWTP PROCESS AREAS (MG)	1	0.02	0.07	0.17	0.22	0.28	0.21	0.21	0.11	0.05	0.02	0.00	0.01		
STORAGE AT END OF MONTH (MG)		5.99	23.31	43.28	63.53	81.66	100.35	114.26	111.29	97.12	80.56	68.19	61.80		
													MAXIMUM STORAGE REQUIRED (MG).....	114.3	
													TOTAL AVAILABLE STORAGE (MG).....	155.0	
SUMMARY															
ANNUAL INFLOWS (MG)			ANNUAL OUTFLOWS (MG)			OVERALL BALANCE (MUST NOT BE NEGATIVE)									
WASTEWATER.....	245		EVAPORATION.....			23	TOTAL UNUSED DISPOSAL CAPACITY (MG)								-63
INFLOW AND INFILTRATION.....	5		PERCOLATION.....			38	UNUSED LAA CAPACITY (MG)								0
PRECIPITATION INTO WWTP AND RESERVOIR.....	13		ON-SITE LAND DISPOSAL.....			139	UNUSED COWRP CAPACITY (MG)								0
			DISCHARGE TO COWRP.....			0	TOTAL UNUSED STORAGE CAPACITY (MG)								41
TOTAL INFLOW	263		TOTAL OUTFLOW			200									

MULE CREEK STATE PRISON				Scenario 3				FILE: 2518-0050					
MAX POTENTIAL OCCUPANCY ADWF WATER BALANCE UNDER 1-in-100 YEAR TYPE HYDROLOGIC CONDITIONS, NO OFF-SITE DISCHARGES												2/13/2025	
INPUT DATA, CONSTANT													
SANITARY FLOW CHARACTERISTICS				EXISTING STORAGE RESERVOIRS				CLIMATOLOGICAL FACTORS					
STARTING AVERAGE FLOW (MGD)	0.67			CATCHMENT AREA (AC)	27.0			CLIMATOLOGICAL DESIGN BASIS 1-in-100 YEAR					
				WATER SURFACE (AC)	21.6			DESIGN PRECIP/AVG PRECIP RATIO 1.81					
				BOTTOM SURFACE (AC)	9.6			OCT-APR EVAP/AVG EVAP RATIO 0.75					
IRRIGATION AREA CHARACTERISTICS													
POST MCIC IRRIGATION AREA TOTAL (AC)	200			STORAGE AVAILABLE (MG)	155			MAY-SEP EVAP/AVG EVAP RATIO 1.00					
POST MCIC IRRIGATION FIELDS 1-4 & 6 AREA (AC)	157			EFFECTIVE STORAGE PERCOLATION RATE (IN/DAY)	0.40			IRRIGATION AREA SOIL RUNOFF COEFFICIENT 0.05					
POST MCIC IRRIGATION FIELD 7 AREA (AC)	43			EXISTING WWTP PROCESS AREAS									
POST MCIC NEW AREA (AC)	0			OXIDATION DITCH SURFACE AREA (AC)	0.28			STORAGE CATCHMENT SOIL RUNOFF COEFF 0.50					
POST MCIC NEW AREA W/ I RESERVOIR (AC)	0			COMBINED CLARIFIER SURFACE AREA (AC)	0.18			STORAGE CATCHMENT RESERVOIR RUNOFF COEFF 1.00					
IRRIGATION FIELD 7 MAX APPLICATION EFFICIENCY	1.10			CHLORINE CONTACT BASIN SURFACE AREA (AC)	0.7								
IRRIGATION FIELDS 1-4 & 6 MAX APPLICATION EFFICIENCY	0.60			TOTAL TREATMENT PROCESS SURFACE AREA (AC)	1.2								
INPUT DATA, MONTHLY VARIABLE													
MONTH	ANNUAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
DAYS IN MONTH	365	31	30	31	31	28	31	30	31	30	31	31	30
AVERAGE DRY WEATHER FLOW (MGD)		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
AVG PRECIP, AVG OF IONE & PARDEE (IN)	21.8	0.31	1.17	2.69	3.49	4.52	3.35	3.29	1.82	0.74	0.25	0.06	0.10
ZONE 14 WET YEAR REFERENCE EVAPOTRANSPIRATION (ET _o) (IN)	45.6	3.86	1.19	1.17	0.41	0.87	2.90	4.30	4.13	6.63	7.87	7.21	5.01
WATER SURFACE EVAPORATION COEFFICIENT		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
CROP COEFFICIENT (K _c), EXISTING MISC. GRASSES		0.92	1.11	0.95	1.15	1.17	1.10	1.03	1.13	1.02	1.00	1.00	1.00
CROP COEFFICIENT (K _c), TREES (OAKS)		0.75	0.92	0.94	1.05	1.10	0.85	0.89	1.13	0.98	0.90	0.94	0.92
WEIGHTED CROP COEFFICIENT FOR MCSP SITE		0.88	1.07	0.95	1.13	1.16	1.05	1.00	1.13	1.01	0.98	0.99	0.98
PRESTON YOUTH FACILITY I/I VOLUME (MGD)		0.011	0.014	0.016	0.067	0.097	0.029	0.023	0.001	0.000	0.000	0.000	0.000
MCIC FACILITY I/I VOLUME (MGD)		0.013	0.002	0.000	0.000	0.001	0.005	0.010	0.002	0.002	0.000	0.000	0.000
MCSP + CAL FIRE FACILITY I/I VOLUME (MGD)		0.000	0.000	0.000	0.087	0.051	0.000	0.003	0.025	0.018	0.000	0.000	0.000
TOTAL I/I VOLUME (MGD)		0.024	0.016	0.016	0.154	0.149	0.034	0.036	0.028	0.020	0.000	0.000	0.000
TOTAL INFLUENT FLOW RATE (MGD)		0.69	0.69	0.69	0.82	0.82	0.70	0.71	0.70	0.69	0.67	0.67	0.67
CALCULATIONS													
CALCULATIONS / MONTH	ANNUAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
RAIN-RELATED CALCULATIONS													
PERCENT ANNUAL RAINFALL/MONTH (%)		1.4%	5.4%	12.4%	16.0%	20.8%	15.4%	15.1%	8.4%	3.4%	1.1%	0.3%	0.4%
ESTIMATED IONE RAIN, 1-in-100 YEAR (IN)	39.4	0.56	2.12	4.87	6.32	8.17	6.05	5.95	3.29	1.33	0.44	0.10	0.17
EFFECTIVE RAIN FOR PLANTS (IN)	37.4	0.53	2.01	4.63	6.00	7.76	5.75	5.65	3.13	1.26	0.42	0.09	0.16
EVAPORATION-RELATED CALCULATIONS													
EVAPOTRANSPIRATION POTENTIAL (IN) (ET _c) (ET _o * Weighted K _c)	46	3.42	1.28	1.11	0.46	1.01	3.04	4.30	4.66	6.69	7.71	7.11	4.92
1-in-100 YEAR DESIGN ET POTENTIAL (IN) (ET _c * Seasonal Evaporation Ratio)	42	2.56	0.96	0.83	0.35	0.76	2.28	3.23	4.66	6.69	7.71	7.11	4.92
WWTP / STORAGE RESERVOIR EVAPORATION (IN) (ET _o * Water Surface Coefficient)	42	2.90	0.89	0.88	0.31	0.65	2.18	3.23	4.13	6.63	7.87	7.21	5.01
SANITARY-RELATED CALCULATIONS													
AVERAGE DRY WEATHER FLOW VOLUME (MG)	245	20.8	20.1	20.8	20.8	18.8	20.8	20.1	20.8	20.1	20.8	20.8	20.1
I/I FLOW VOLUME (MG)	14	0.74	0.48	0.50	4.77	4.17	1.05	1.08	0.87	0.60	0.00	0.00	0.00
TOTAL INFLUENT FLOW VOLUME (MG)	259	21.6	20.6	21.3	25.6	23.0	21.9	21.2	21.7	20.7	20.8	20.8	20.1
DESIGN DISCHARGE TO FIELD 7													
BEGINNING AVAILABLE RAIN WATER IN SOIL (IN)		0.00	0.00	1.05	4.20	4.20	4.20	4.20	4.20	2.67	0.00	0.00	0.00
LAND AREA UNDER IRRIGATION (AC)		43	43	43	43	43	43	43	43	43	43	43	43
POTENTIAL 1-in-100 YEAR EFFLUENT APPLICATION RATE (IN/MONTH)	26	2.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.04	8.02	7.71	5.23
POTENTIAL 1-in-100 YEAR EFFLUENT APPLICATION VOLUME (MG)	31	2.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.55	9.37	9.00	6.11
MAX EFFLUENT VOLUME AVAILABLE FOR LAND (MG)		21.6	30.8	49.8	74.4	97.4	120.8	141.3	161.9	175.7	172.7	157.9	143.9
AVAILABLE EFFLUENT APPLIED TO LAND (MG)	31	2.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.55	9.37	9.00	6.11
AVERAGE EFFLUENT DISCHARGE RATE TO FIELD 7 (MGD)		0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.30	0.29	0.20
EFFLUENT IRRIGATION RATE (IN/MONTH)	26	2.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.04	8.02	7.71	5.23
DESIGN DISCHARGE TO FIELDS 1-4 & 6													
BEGINNING AVAILABLE RAIN WATER IN SOIL (IN)		0.00	0.00	0.28	0.28	0.28	0.28	0.28	0.28	0.00	0.00	0.00	0.00
LAND AREA UNDER IRRIGATION (AC)		157	157	157	157	157	157	157	157	157	157	157	157
POTENTIAL 1-in-100 YEAR EFFLUENT APPLICATION RATE (IN/MONTH)	17	1.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	3.26	4.38	2.85
POTENTIAL 1-in-100 YEAR EFFLUENT APPLICATION VOLUME (MG)	71	5.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.21	13.88	18.65	12.16
REMAINING EFFLUENT VOLUME AVAILABLE FOR LAND (MG)		18.99	30.85	49.80	74.36	97.42	120.81	141.34	161.85	172.16	163.30	148.86	137.80
REMAINING AVAILABLE EFFLUENT APPLIED TO LAND (MG)	71	5.19	0.00	0.00	0.00	0.00	0.00	0.00	3.21	13.88	18.65	17.93	12.16
AVERAGE EFFLUENT DISCHARGE RATE (MGD)		0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.46	0.60	0.58	0.41
EFFLUENT IRRIGATION RATE (IN/MONTH)	17	1.22	0.00	0.00	0.00	0.00	0.00	0.00	0.75	3.26	4.38	4.21	2.85
DESIGN DISCHARGE TO COWRP													
AVERAGE COWRP DISCHARGE (MGD)		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MONTHLY DISCHARGE TO COWRP (MG)	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HISTORICAL AVERAGE DISCHARGE TO COWRP (MG)	93.8	8.9	3.4	0.2	2.4	1.1	0.0	0.9	3.9	9.3	15.0	27.7	21.1
CDCR/ARSA AGREEMENT LIMITED PRESTON DISCHARGE (MG)	114	1.8	1.8	1.8	1.8	1.8	1.8	17.3	17.3	17.3	17.3	17.3	17.3
CDCR/ARSA AGREEMENT LIMITED PRESTON DISCHARGE (ACFT)	350	5.4	5.4	5.4	5.4	5.4	5.4	53.0	53.0	53.0	53.0	53.0	53.0
DESIGN LOSSES AND GAINS FROM STORAGE													
STORAGE AT BEGINNING OF MONTH (MG)		0.00	10.25	28.50	48.76	74.42	98.91	120.14	140.15	155.00	151.87	137.07	123.81
EFFLUENT STORAGE VOLUME GAIN/LOSS (MG)		13.80	20.60	21.30	25.60	23.00	21.90	21.20	18.49	3.28	-7.22	-6.14	1.83
UNADJUSTED STORAGE VOLUME (MG)		13.80	30.85	49.80	74.36	97.42	120.81	141.34	158.65	158.28	144.65	130.93	125.64
APPROXIMATE EFFECTIVE RESERVOIR EVAP AREA (AC)		6.2	8.1	10.1	12.8	15.3	17.9	20.2	22.0	20.5	19.0	18.4	18.4
APPROXIMATE EFFECTIVE RESERVOIR PERC AREA (AC)		9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
APPROXIMATE AREA OF WWTP PROCESSES (AC)		1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
EVAPORATIVE LOSS FROM STORAGE (MG)	22	0.58	0.22	0.27	0.12	0.29	1.13	1.87	2.60	4.17	4.63	3.95	2.67
PERCOLATION LOSS FROM STORAGE (MG)	38	3.23	3.13	3.23	3.23	2.92	3.23	3.13	3.23	3.13	3.23	3.23	3.13
RUNOFF TO STORAGE FROM RAIN CATCHMENT AREA (MG)	23	0.25	1.01	2.45	3.41	4.70	3.69	3.81	2.19	0.89	0.29	0.06	0.11
PRECIP CAPTURED BY WWTP PROCESS AREAS (MG)	2	0.04	0.13	0.31	0.40	0.51	0.38	0.37	0.21	0.08	0.03	0.01	0.01
STORAGE AT END OF MONTH (MG)		10.25	28.50	48.76	74.42	98.91	120.14	140.15	155.00	151.87	137.07	123.81	119.96
MAXIMUM STORAGE REQUIRED (MG)												155.0	
TOTAL AVAILABLE STORAGE (MG)												155.0	
SUMMARY													
ANNUAL INFLOWS (MG)				ANNUAL OUTFLOWS (MG)				OVERALL BALANCE (MUST NOT BE NEGATIVE)					
WASTEWATER	245			EVAPORATION	22			TOTAL UNUSED DISPOSAL CAPACITY (MG)					-122
INFLOW AND INFILTRATION	14			PERCOLATION	38			UNUSED LAA CAPACITY (MG)					0
PRECIPITATION INTO WWTP AND RESERVOIR	25			ON-SITE LAND DISPOSAL	102			UNUSED COWRP CAPACITY (MG)					0
				DISCHARGE TO COWRP	0			TOTAL UNUSED STORAGE CAPACITY (MG)					0
TOTAL INFLOW	284			TOTAL OUTFLOW	162								

MULE CREEK STATE PRISON				Scenario 3				FILE: 2518-0050						
MAX POTENTIAL OCCUPANCY ADWF WATER BALANCE AVERAGE YEAR FOLLOWING 1-in-100 YEAR TYPE HYDROLOGIC CONDITIONS, NO OFF-SITE DISCHARGES												2/13/2025		
INPUT DATA, CONSTANT														
SANITARY FLOW CHARACTERISTICS				EXISTING STORAGE RESERVOIRS				CLIMATOLOGICAL FACTORS						
STARTING AVERAGE FLOW (MGD).....		0.67		CATCHMENT AREA (AC).....		27.0		CLIMATOLOGICAL DESIGN BASIS				Average		
				WATER SURFACE (AC).....		21.6		DESIGN PRECIP/AVG PRECIP RATIO.....				1.00		
IRRIGATION AREA CHARACTERISTICS				BOTTOM SURFACE (AC).....		9.6		OCT-APR EVAP/AVG EVAP RATIO.....				1.00		
POST MCIC IRRIGATION AREA TOTAL (AC).....		200		STORAGE AVAILABLE (MG).....		155		MAY-SEP EVAP/AVG EVAP RATIO.....				1.00		
POST MCIC IRRIGATION FIELDS 1-4 & 6 AREA (AC).....		157		EFFECTIVE STORAGE PERCOLATION RATE (IN/DAY).....		0.40		IRRIGATION AREA SOIL RUNOFF COEFFICIENT				0.05		
POST MCIC IRRIGATION FIELD 7 AREA (AC).....		43		EXISTING WWTP PROCESS AREAS				STORAGE CATCHMENT SOIL RUNOFF COEFF.....				0.50		
POST MCIC NEW AREA (AC).....		0		OXIDATION DITCH SURFACE AREA (AC).....		0.28		STORAGE CATCHMENT RESERVOIR RUNOFF COEFF.....				1.00		
POST MCIC NEW AREA W/ RESERVOIR (AC).....		0		COMBINED CLARIFIER SURFACE AREA (AC).....		0.18								
IRRIGATION FIELD 7 MAX APPLICATION EFFICIENCY		1.10		CHLORINE CONTACT BASIN SURFACE AREA (AC).....		0.7								
IRRIGATION FIELDS 1-4 & 6 MAX APPLICATION EFFICIENCY		0.60		TOTAL TREATMENT PROCESS SURFACE AREA (AC).....		1.2								
INPUT DATA, MONTHLY VARIABLE														
MONTH	ANNUAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
DAYS IN MONTH	365	31	30	31	31	28	31	30	31	30	31	31	30	
AVERAGE DRY WEATHER FLOW (MGD)		0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	
AVG PRECIP, AVG OF IONE & PARDEE (IN)	21.8	0.31	1.17	2.69	3.49	4.52	3.35	3.29	1.82	0.74	0.25	0.06	0.10	
ZONE 14 TYPICAL YEAR REFERENCE EVAPOTRANSPIRATION (ETo) (IN)	56.2	3.86	1.25	1.14	0.73	2.36	4.13	5.82	7.62	8.00	8.36	7.11	5.82	
WATER SURFACE EVAPORATION COEFFICIENT		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
CROP COEFFICIENT (Kc), EXISTING MISC. GRASSES		0.92	1.06	0.97	0.64	0.43	0.77	0.76	0.61	0.84	0.94	1.01	0.86	
CROP COEFFICIENT (Kc), TREES (OAKS)		0.75	0.88	0.96	0.59	0.41	0.60	0.66	0.61	0.82	0.85	0.95	0.79	
WEIGHTED CROP COEFFICIENT FOR MCSP SITE		0.88	1.02	0.97	0.63	0.43	0.74	0.74	0.61	0.84	0.92	1.00	0.85	
MCIC FACILITY I/I VOLUME (MGD)		0.000	0.001	0.002	0.002	0.002	0.000	0.005	0.000	0.000	0.000	0.000	0.000	
MCSP, PYCF, CAL FIRE FACILITY I/I VOLUME (MGD)		0.000	0.000	0.043	0.032	0.026	0.035	0.011	0.006	0.001	0.000	0.000	0.000	
TOTAL I/I VOLUME (MGD)		0.000	0.001	0.045	0.034	0.028	0.035	0.016	0.006	0.001	0.000	0.000	0.000	
TOTAL INFLUENT FLOW RATE (MGD)		0.67	0.67	0.72	0.70	0.70	0.70	0.69	0.68	0.67	0.67	0.67	0.67	
CALCULATIONS														
CALCULATIONS / MONTH	ANNUAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
RAIN-RELATED CALCULATIONS														
PERCENT ANNUAL RAINFALL/MONTH (%)		1.4%	5.4%	12.4%	16.0%	20.8%	15.4%	15.1%	8.4%	3.4%	1.1%	0.3%	0.4%	
ESTIMATED IONE RAIN, Average (IN)	21.8	0.31	1.17	2.69	3.49	4.52	3.35	3.29	1.82	0.74	0.25	0.06	0.10	
EFFECTIVE RAIN FOR PLANTS (IN)	20.7	0.29	1.11	2.56	3.32	4.29	3.18	3.12	1.73	0.70	0.23	0.05	0.09	
EVAPORATION-RELATED CALCULATIONS														
EVAPOTRANSPIRATION POTENTIAL (IN) (ETc) (ETo * Weighted Kc)	46	3.42	1.28	1.11	0.46	1.01	3.04	4.30	4.66	6.69	7.71	7.11	4.92	
Average DESIGN ET POTENTIAL (IN) (ETc * Seasonal Evaporation Ratio)	46	3.42	1.28	1.11	0.46	1.01	3.04	4.30	4.66	6.69	7.71	7.11	4.92	
WWTP / STORAGE RESERVOIR EVAPORATION (IN) (ETo * Water Surface Coefficient)	56	3.86	1.25	1.14	0.73	2.36	4.13	5.82	7.62	8.00	8.36	7.11	5.82	
SANITARY-RELATED CALCULATIONS														
AVERAGE DRY WEATHER FLOW VOLUME (MG)	245	20.8	20.1	20.8	20.8	18.8	20.8	20.1	20.8	20.1	20.8	20.8	20.1	
I/I FLOW VOLUME (MG)	5	0.00	0.04	1.40	1.06	0.79	1.08	0.48	0.19	0.04	0.00	0.00	0.01	
TOTAL INFLUENT FLOW VOLUME (MG)	250	20.8	20.2	22.2	21.9	19.6	21.9	20.6	21.0	20.2	20.8	20.8	20.2	
DESIGN DISCHARGE TO FIELD 7														
BEGINNING AVAILABLE RAIN WATER IN SOIL (IN)		0.00	0.00	0.00	1.45	4.20	4.20	4.20	3.02	0.09	0.00	0.00	0.00	
LAND AREA UNDER IRRIGATION (AC)		43	43	43	43	43	43	43	43	43	43	43	43	
POTENTIAL Average EFFLUENT APPLICATION RATE (IN/MONTH)	31	3.43	0.18	0.00	0.00	0.00	0.00	0.00	0.00	6.50	8.23	7.76	5.31	
POTENTIAL Average EFFLUENT APPLICATION VOLUME (MG)	37	4.01	0.21	0.00	0.00	0.00	0.00	0.00	0.00	7.59	9.61	9.06	6.20	
MAX EFFLUENT VOLUME AVAILABLE FOR LAND (MG)		140.8	143.9	162.4	182.3	200.8	221.6	238.3	251.7	256.0	244.5	226.9	211.4	
AVAILABLE EFFLUENT APPLIED TO LAND (MG)	37	4.01	0.21	0.00	0.00	0.00	0.00	0.00	0.00	7.59	9.61	9.06	6.20	
AVERAGE EFFLUENT DISCHARGE RATE TO FIELD 7 (MGD)		0.13	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.31	0.29	0.21	
EFFLUENT IRRIGATION RATE (IN/MONTH)	31	3.43	0.18	0.00	0.00	0.00	0.00	0.00	0.00	6.50	8.23	7.76	5.31	
DESIGN DISCHARGE TO FIELDS 1-4 & 6														
BEGINNING AVAILABLE RAIN WATER IN SOIL (IN)		0.00	0.00	0.00	0.28	0.28	0.28	0.28	0.00	0.00	0.00	0.00	0.00	
LAND AREA UNDER IRRIGATION (AC)		157	157	157	157	157	157	157	157	157	157	157	157	
POTENTIAL Average EFFLUENT APPLICATION RATE (IN/MONTH)	19	1.87	0.10	0.00	0.00	0.00	0.00	0.54	1.76	3.60	4.49	4.23	2.90	
POTENTIAL Average EFFLUENT APPLICATION VOLUME (MG)	83	7.98	0.42	0.00	0.00	0.00	0.00	2.30	7.51	15.33	19.14	18.04	12.35	
REMAINING EFFLUENT VOLUME AVAILABLE FOR LAND (MG)		136.75	143.65	162.39	182.31	200.83	221.60	238.34	251.68	248.37	234.92	217.80	205.22	
REMAINING AVAILABLE EFFLUENT APPLIED TO LAND (MG)	83	7.98	0.42	0.00	0.00	0.00	0.00	2.30	7.51	15.33	19.14	18.04	12.35	
AVERAGE EFFLUENT DISCHARGE RATE (MGD)		0.26	0.01	0.00	0.00	0.00	0.00	0.08	0.24	0.51	0.62	0.58	0.41	
EFFLUENT IRRIGATION RATE (IN/MONTH)	19	1.87	0.10	0.00	0.00	0.00	0.00	0.54	1.76	3.60	4.49	4.23	2.90	
DESIGN DISCHARGE TO COWRP														
AVERAGE COWRP DISCHARGE (MGD)		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
MONTHLY DISCHARGE TO COWRP (MG)	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
HISTORICAL AVERAGE DISCHARGE TO COWRP (MG)	93.8	8.9	3.4	0.2	2.4	1.1	0.0	0.9	3.9	9.3	15.0	27.7	21.1	
CDCR/ARSA AGREEMENT LIMITED PRESTON DISCHARGE (MG)	114	1.8	1.8	1.8	1.8	1.8	1.8	17.3	17.3	17.3	17.3	17.3	17.3	
CDCR/ARSA AGREEMENT LIMITED PRESTON DISCHARGE (ACFT)	350	5.4	5.4	5.4	5.4	5.4	5.4	53.0	53.0	53.0	53.0	53.0	53.0	
DESIGN LOSSES AND GAINS FROM STORAGE														
STORAGE AT BEGINNING OF MONTH (MG)		119.96	123.66	140.19	160.41	181.23	199.70	217.74	230.68	235.76	223.73	206.06	191.22	
EFFLUENT STORAGE VOLUME GAIN/LOSS (MG)		8.81	19.57	22.20	21.90	19.60	21.90	18.30	13.49	-2.71	-7.94	-6.30	1.65	
UNADJUSTED STORAGE VOLUME (MG)		128.77	143.23	162.39	182.31	200.83	221.60	236.04	244.17	233.05	215.78	199.76	192.87	
APPROXIMATE EFFECTIVE RESERVOIR EVAP AREA (AC)		18.8	20.4	22.5	24.6	26.7	28.9	30.5	31.4	30.2	28.3	26.6	25.8	
APPROXIMATE EFFECTIVE RESERVOIR PERC AREA (AC)		9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	
APPROXIMATE AREA OF WWTP PROCESSES (AC)		1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
EVAPORATIVE LOSS FROM STORAGE (MG)	44	2.09	0.73	0.73	0.51	1.78	3.38	5.01	6.74	6.81	6.69	5.35	4.26	
PERCOLATION LOSS FROM STORAGE (MG)	38	3.23	3.13	3.23	3.23	2.92	3.23	3.13	3.23	3.13	3.23	3.23	3.13	
RUNOFF TO STORAGE FROM RAIN CATCHMENT AREA (MG)	16	0.19	0.75	1.81	2.45	3.29	2.54	2.57	1.44	0.57	0.18	0.04	0.07	
PRECIP CAPTURED BY WWTP PROCESS AREAS (MG)	1	0.02	0.07	0.17	0.22	0.28	0.21	0.21	0.11	0.05	0.02	0.00	0.01	
STORAGE AT END OF MONTH (MG)		123.66	140.19	160.41	181.23	199.70	217.74	230.68	235.76	223.73	206.06	191.22	185.56	
												MAXIMUM STORAGE REQUIRED (MG).....	235.8	
												TOTAL AVAILABLE STORAGE (MG).....	155.0	
SUMMARY														
ANNUAL INFLOWS (MG)				ANNUAL OUTFLOWS (MG)				OVERALL BALANCE (MUST NOT BE NEGATIVE)						
WASTEWATER.....		245		EVAPORATION.....		44		TOTAL UNUSED DISPOSAL CAPACITY (MG)						-65
INFLOW AND INFILTRATION.....		5		PERCOLATION.....		38		UNUSED LAACAPACITY (MG)						0
PRECIPITATION INTO WWTP AND RESERVOIR.....		17		ON-SITE LAND DISPOSAL.....		120		UNUSED COWRP CAPACITY (MG)						0
				DISCHARGE TO COWRP		0		TOTAL UNUSED STORAGE CAPACITY (MG)						-81
TOTAL INFLOW		267		TOTAL OUTFLOW		202								

MULE CREEK STATE PRISON				Scenario 3				FILE: 2518-0050							
MAX POTENTIAL OCCUPANCY ADWF WATER BALANCE UNDER 1-in-100 YEAR TYPE HYDROLOGIC CONDITIONS, EXPANDED LAAs 1												2/13/2025			
INPUT DATA, CONSTANT															
SANITARY FLOW CHARACTERISTICS				EXISTING STORAGE RESERVOIRS				CLIMATOLOGICAL FACTORS							
STARTING AVERAGE FLOW (MGD).....				CATCHMENT AREA (AC).....				CLIMATOLOGICAL DESIGN BASIS				1-in-100 YEAR			
0.67				27.0				DESIGN PRECIP/AVG PRECIP RATIO.....				1.81			
				WATER SURFACE (AC).....				OCT-APR EVAP/AVG EVAP RATIO.....				0.75			
				21.6				MAY-SEP EVAP/AVG EVAP RATIO.....				1.00			
				9.6				IRRIGATION AREA SOIL RUNOFF COEFFICIENT				0.05			
IRRIGATION AREA CHARACTERISTICS				STORAGE AVAILABLE (MG).....				STORAGE CATCHMENT SOIL RUNOFF COEFF.....				0.50			
POST MCIC IRRIGATION AREA TOTAL (AC).....				155				STORAGE CATCHMENT RESERVOIR RUNOFF COEFF.....				1.00			
POST MCIC IRRIGATION FIELDS 1-4 & 6 _ New AREA (AC).....				0.40											
POST MCIC IRRIGATION FIELD 7 AREA (AC).....															
43															
POST MCIC NEW AREA (AC).....															
61															
POST MCIC NEW AREA W/ I RESERVOIR (AC).....															
0															
IRRIGATION FIELD 7 MAX APPLICATION EFFICIENCY															
1.10															
IRRIGATION FIELDS 1-4 & 6 MAX APPLICATION EFFICIENCY															
0.60															
INPUT DATA, MONTHLY VARIABLE															
MONTH		ANNUAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
DAYS IN MONTH		365	31	30	31	31	28	31	30	31	30	31	31	30	
AVERAGE DRY WEATHER FLOW (MGD)			0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	
AVG PRECIP, AVG OF IONE & PARDEE (IN)		21.8	0.31	1.17	2.69	3.49	4.52	3.35	3.29	1.82	0.74	0.25	0.06	0.10	
ZONE 14 WET YEAR REFERENCE EVAPOTRANSPIRATION (ETo) (IN)		45.6	3.86	1.19	1.17	0.41	0.87	2.90	4.30	4.13	6.63	7.87	7.21	5.01	
WATER SURFACE EVAPORATION COEFFICIENT			1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
CROP COEFFICIENT (Kc), EXISTING MISC. GRASSES			0.92	1.11	0.95	1.15	1.17	1.10	1.03	1.13	1.02	1.00	1.00	1.00	
CROP COEFFICIENT (Kc), TREES (OAKS)			0.75	0.92	0.94	1.05	1.10	0.85	0.89	1.13	0.98	0.90	0.94	0.92	
WEIGHTED CROP COEFFICIENT FOR MCSP SITE			0.88	1.07	0.95	1.13	1.16	1.05	1.00	1.13	1.01	0.98	0.99	0.98	
PRESTON YOUTH FACILITY I/I VOLUME (MGD)			0.011	0.014	0.016	0.067	0.097	0.029	0.023	0.001	0.000	0.000	0.000	0.000	
MCIC FACILITY I/I VOLUME (MGD)			0.013	0.002	0.000	0.000	0.001	0.005	0.010	0.002	0.002	0.000	0.000	0.000	
MCSP + CAL FIRE FACILITY I/I VOLUME (MGD)			0.000	0.000	0.000	0.087	0.051	0.000	0.003	0.025	0.018	0.000	0.000	0.000	
TOTAL I/I VOLUME (MGD)			0.024	0.016	0.016	0.154	0.149	0.034	0.036	0.028	0.020	0.000	0.000	0.000	
TOTAL INFLUENT FLOW RATE (MGD)			0.69	0.69	0.69	0.82	0.82	0.70	0.71	0.70	0.69	0.67	0.67	0.67	
CALCULATIONS															
CALCULATIONS / MONTH		ANNUAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
RAIN-RELATED CALCULATIONS															
PERCENT ANNUAL RAINFALL/MONTH (%)			1.4%	5.4%	12.4%	16.0%	20.8%	15.4%	15.1%	8.4%	3.4%	1.1%	0.3%	0.4%	
ESTIMATED IONE RAIN, 1-in-100 YEAR (IN)		39.4	0.56	2.12	4.87	6.32	8.17	6.05	5.95	3.29	1.33	0.44	0.10	0.17	
EFFECTIVE RAIN FOR PLANTS (IN)		37.4	0.53	2.01	4.63	6.00	7.76	5.75	5.65	3.13	1.26	0.42	0.09	0.16	
EVAPORATION-RELATED CALCULATIONS															
EVAPOTRANSPIRATION POTENTIAL (IN) (ETc) (ETo * Weighted Kc)		46	3.42	1.28	1.11	0.46	1.01	3.04	4.30	4.66	6.69	7.71	7.11	4.92	
1-in-100 YEAR DESIGN ET POTENTIAL (IN) (ETc * Seasonal Evaporation Ratio)		42	2.56	0.96	0.83	0.35	0.76	2.28	3.23	4.66	6.69	7.71	7.11	4.92	
WWTP / STORAGE RESERVOIR EVAPORATION (IN) (ETo * Water Surface Coefficient)		42	2.90	0.89	0.88	0.31	0.65	2.18	3.23	4.13	6.63	7.87	7.21	5.01	
SANITARY-RELATED CALCULATIONS															
AVERAGE DRY WEATHER FLOW VOLUME (MG)		245	20.8	20.1	20.8	20.8	18.8	20.8	20.1	20.8	20.1	20.8	20.8	20.1	
I/I FLOW VOLUME (MG)		14	0.74	0.48	0.50	4.77	4.17	1.05	1.08	0.87	0.60	0.00	0.00	0.00	
TOTAL INFLUENT FLOW VOLUME (MG)		259	21.6	20.6	21.3	25.6	23.0	21.9	21.2	21.7	20.7	20.8	20.8	20.1	
DESIGN DISCHARGE TO FIELD 7															
BEGINNING AVAILABLE RAIN WATER IN SOIL (IN)			0.00	0.00	1.05	4.20	4.20	4.20	4.20	4.20	2.67	0.00	0.00	0.00	
LAND AREA UNDER IRRIGATION (AC)			43	43	43	43	43	43	43	43	43	43	43	43	
POTENTIAL 1-in-100 YEAR EFFLUENT APPLICATION RATE (IN/MONTH)		26	2.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.04	8.02	7.71	5.23	
POTENTIAL 1-in-100 YEAR EFFLUENT APPLICATION VOLUME (MG)		31	2.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.55	9.37	9.00	6.11	
MAX EFFLUENT VOLUME AVAILABLE FOR LAND (MG)			21.6	28.8	47.8	72.3	95.4	118.8	139.3	159.8	172.4	164.2	142.5	122.0	
AVAILABLE EFFLUENT APPLIED TO LAND (MG)		31	2.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.55	9.37	9.00	6.11	
AVERAGE EFFLUENT DISCHARGE RATE TO FIELD 7 (MGD)			0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.30	0.29	0.20	
EFFLUENT IRRIGATION RATE (IN/MONTH)		26	2.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.04	8.02	7.71	5.23	
DESIGN DISCHARGE TO FIELDS 1-4 & 6															
BEGINNING AVAILABLE RAIN WATER IN SOIL (IN)			0.00	0.00	0.28	0.28	0.28	0.28	0.28	0.28	0.00	0.00	0.00	0.00	
LAND AREA UNDER IRRIGATION (AC)			218	218	218	218	218	218	218	218	218	218	218	218	
POTENTIAL 1-in-100 YEAR EFFLUENT APPLICATION RATE (IN/MONTH)		17	1.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	3.26	4.38	2.85	
POTENTIAL 1-in-100 YEAR EFFLUENT APPLICATION VOLUME (MG)		99	7.21	0.00	0.00	0.00	0.00	0.00	0.00	4.46	19.27	25.90	24.90	16.89	
REMAINING EFFLUENT VOLUME AVAILABLE FOR LAND (MG)			18.99	28.85	47.80	72.35	95.40	118.76	139.29	159.80	168.88	154.79	133.46	115.91	
REMAINING AVAILABLE EFFLUENT APPLIED TO LAND (MG)		99	7.21	0.00	0.00	0.00	0.00	0.00	0.00	4.46	19.27	25.90	24.90	16.89	
AVERAGE EFFLUENT DISCHARGE RATE (MGD)			0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.64	0.84	0.80	0.56	
EFFLUENT IRRIGATION RATE (IN/MONTH)		17	1.22	0.00	0.00	0.00	0.00	0.00	0.00	0.75	3.26	4.38	4.21	2.85	
DESIGN DISCHARGE TO COWRP															
AVERAGE COWRP DISCHARGE (MGD)			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
MONTHLY DISCHARGE TO COWRP (MG)		0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
HISTORICAL AVERAGE DISCHARGE TO COWRP (MG)		93.8	8.9	3.4	0.2	2.4	1.1	0.0	0.9	3.9	9.3	15.0	27.7	21.1	
CDCR/ARSA AGREEMENT LIMITED PRESTON DISCHARGE (MG)		114	1.8	1.8	1.8	1.8	1.8	1.8	17.3	17.3	17.3	17.3	17.3	17.3	
CDCR/ARSA AGREEMENT LIMITED PRESTON DISCHARGE (ACFT)		350	5.4	5.4	5.4	5.4	5.4	5.4	53.0	53.0	53.0	53.0	53.0	53.0	
DESIGN LOSSES AND GAINS FROM STORAGE															
STORAGE AT BEGINNING OF MONTH (MG)			0.00	8.25	26.50	46.75	72.40	96.86	118.09	138.10	151.73	143.35	121.67	101.92	
EFFLUENT STORAGE VOLUME GAIN/LOSS (MG)			11.79	20.60	21.30	25.60	23.00	21.90	21.20	17.24	-2.12	-14.47	-13.11	-2.89	
UNADJUSTED STORAGE VOLUME (MG)			11.79	28.85	47.80	72.35	95.40	118.76	139.29	155.35	149.61	128.89	108.56	99.02	
APPROXIMATE EFFECTIVE RESERVOIR EVAP AREA (AC)			6.0	7.8	9.9	12.6	15.1	17.7	19.9	21.7	18.6	16.6	15.5	15.5	
APPROXIMATE EFFECTIVE RESERVOIR PERC AREA (AC)			9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	
APPROXIMATE AREA OF WWTP PROCESSES (AC)			1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
EVAPORATIVE LOSS FROM STORAGE (MG)		21	0.56	0.22	0.26	0.11	0.29	1.11	1.85	2.56	4.00	4.26	3.47	2.27	
PERCOLATION LOSS FROM STORAGE (MG)		38	3.23	3.13	3.23	3.23	2.92	3.23	3.13	3.23	3.13	3.23	3.23	3.13	
RUNOFF TO STORAGE FROM RAIN CATCHMENT AREA (MG)		23	0.25	1.00	2.44	3.40	4.67	3.67	3.79	2.18	0.87	0.28	0.06	0.10	
PRECIP CAPTURED BY WWTP PROCESS AREAS (MG)		2	0.04	0.13	0.31	0.40	0.51	0.38	0.37	0.21	0.08	0.03	0.01	0.01	
STORAGE AT END OF MONTH (MG)			8.25	26.50	46.75	72.40	96.86	118.09	138.10	151.73	143.35	121.67	101.92	93.73	
												MAXIMUM STORAGE REQUIRED (MG).....		151.7	
												TOTAL AVAILABLE STORAGE (MG).....		155.0	
SUMMARY															
ANNUAL INFLOWS (MG)				ANNUAL OUTFLOWS (MG)				OVERALL BALANCE (MUST NOT BE NEGATIVE)							
WASTEWATER.....				EVAPORATION.....				TOTAL UNUSED DISPOSAL CAPACITY (MG)							
245				21				-96							
INFLOW AND INFILTRATION.....				PERCOLATION.....				UNUSED LAA CAPACITY (MG)							
14				38				0							
PRECIPITATION INTO WWTP AND RESERVOIR.....				ON-SITE LAND DISPOSAL.....				UNUSED COWRP CAPACITY (MG)							
25				129				0							
TOTAL INFLOW				DISCHARGE TO COWRP.....				TOTAL UNUSED STORAGE CAPACITY (MG)							
284				0				3							
				TOTAL OUTFLOW											
				188											

MULE CREEK STATE PRISON										Scenario 3			FILE: 2518-0050											
MAX POTENTIAL OCCUPANCY ADWF WATER BALANCE UNDER 1-in-100 YEAR TYPE HYDROLOGIC CONDITIONS, EXISTING LAAs + DISCHARGE TO COWRP										2/13/2025														
INPUT DATA, CONSTANT																								
SANITARY FLOW CHARACTERISTICS				EXISTING STORAGE RESERVOIRS				CLIMATOLOGICAL FACTORS																
STARTING AVERAGE FLOW (MGD).....				CATCHMENT AREA (AC).....				CLIMATOLOGICAL DESIGN BASIS																
				27.0				1-in-100 YEAR																
				WATER SURFACE (AC).....				DESIGN PRECIP/AVG PRECIP RATIO.....																
				21.6				1.81																
				BOTTOM SURFACE (AC).....				OCT-APR EVAP/AVG EVAP RATIO.....																
				9.6				0.75																
				STORAGE AVAILABLE (MG).....				MAY-SEP EVAP/AVG EVAP RATIO.....																
				155				1.00																
				EFFECTIVE STORAGE PERCOLATION RATE (IN/DAY).....				IRRIGATION AREA SOIL RUNOFF COEFFICIENT																
				0.40				STORAGE CATCHMENT SOIL RUNOFF COEFF.....																
								0.50																

MULE CREEK STATE PRISON														Scenario 3		FILE: 2518-0050					
MAX POTENTIAL OCCUPANCY ADWF WATER BALANCE UNDER 1-in-100 YEAR TYPE HYDROLOGIC CONDITIONS, EXPANDED LAAs + DISCHARGE TO COWRP																		2/13/2025			
INPUT DATA, CONSTANT																					
SANITARY FLOW CHARACTERISTICS				EXISTING STORAGE RESERVOIRS						CLIMATOLOGICAL FACTORS											
STARTING AVERAGE FLOW (MGD).....				0.67		CATCHMENT AREA (AC).....				27.0		CLIMATOLOGICAL DESIGN BASIS								1-in-100 YEAR	
						WATER SURFACE (AC).....				21.6		DESIGN PRECIP/AVG PRECIP RATIO.....								1.81	
						BOTTOM SURFACE (AC).....				9.6		OCT-APR EVAP/AVG EVAP RATIO.....								0.75	
						STORAGE AVAILABLE (MG).....				155		MAY-SEP EVAP/AVG EVAP RATIO.....								1.00	
						EFFECTIVE STORAGE PERCOLATION RATE (IN/DAY).....				0.40		IRRIGATION AREA SOIL RUNOFF COEFFICIENT								0.05	
												STORAGE CATCHMENT SOIL RUNOFF COEFF.....								0.50	
												STORAGE CATCHMENT RESERVOIR RUNOFF COEFF.....								1.00	

MULE CREEK STATE PRISON				Calibration				FILE: 2518-0050					
WATER YEAR 2017 WATER BALANCE CALIBRATION - 1-in-100 YEAR TYPE HYDROLOGIC CONDITIONS												2/13/2025	
INPUT DATA, CONSTANT													
SANITARY FLOW CHARACTERISTICS				EXISTING STORAGE RESERVOIRS				CLIMATOLOGICAL FACTORS					
STARTING AVERAGE FLOW (MGD).....		0.38		CATCHMENT AREA (AC).....		27.0		CLIMATOLOGICAL DESIGN BASIS		1-in-100 YEAR			
IRRIGATION AREA CHARACTERISTICS				WATER SURFACE (AC).....		21.6		DESIGN PRECIP/AVG PRECIP RATIO.....		1.00			
				BOTTOM SURFACE (AC).....		9.6		OCT-APR EVAP/AVG EVAP RATIO.....		0.75			
				STORAGE AVAILABLE (MG).....		155		MAY-SEP EVAP/AVG EVAP RATIO.....		1.00			
				EFFECTIVE STORAGE PERCOLATION RATE (IN/DAY).....		0.40		IRRIGATION AREA SOIL RUNOFF COEFFICIENT		0.05			
				EXISTING WWTP PROCESS AREAS				STORAGE CATCHMENT SOIL RUNOFF COEFF.....		0.00			
POST MCIC IRRIGATION AREA TOTAL (AC).....		200		OXIDATION DITCH SURFACE AREA (AC).....		0.28		STORAGE CATCHMENT RESERVOIR RUNOFF COEFF.....		1.00			
POST MCIC IRRIGATION FIELDS 1-4 & 6 AREA (AC).....		157		COMBINED CLARIFIER SURFACE AREA (AC).....		0.18							
POST MCIC IRRIGATION FIELD 7 AREA (AC).....		43		CHLORINE CONTACT BASIN SURFACE AREA (AC).....		0.7							
POST MCIC NEW AREA (AC).....		0		TOTAL TREATMENT PROCESS SURFACE AREA (AC).....		1.2							
POST MCIC NEW AREA W/II RESERVOIR (AC).....		0											
IRRIGATION FIELD 7 MAX APPLICATION EFFICIENCY		1.10											
IRRIGATION FIELDS 1-4 & 6 MAX APPLICATION EFFICIENCY		0.60											
INPUT DATA, MONTHLY VARIABLE													
MONTH	ANNUAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
DAYS IN MONTH	365	31	30	31	31	28	31	30	31	30	31	31	30
AVERAGE DRY WEATHER FLOW (MGD)		0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
2017 PRECIP, MCSP WWTP (IN)	41.2	5.98	3.08	3.48	8.34	8.34	8.34	3.18	0.25	0.19	0.00	0.00	0.00
ZONE 14 WET YEAR REFERENCE EVAPOTRANSPIRATION (ETo) (IN)	45.6	3.86	1.19	1.17	0.41	0.87	2.90	4.30	4.13	6.63	7.87	7.21	5.01
WATER SURFACE EVAPORATION COEFFICIENT		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
CROP COEFFICIENT (Kc), EXISTING MISC. GRASSES		0.92	1.11	0.95	1.15	1.17	1.10	1.03	1.13	1.02	1.00	1.00	1.00
CROP COEFFICIENT (Kc), TREES (OAKS)		0.75	0.92	0.94	1.05	1.10	0.85	0.89	1.13	0.98	0.90	0.94	0.92
WEIGHTED CROP COEFFICIENT FOR MCSP SITE		0.83	1.02	0.94	1.10	1.14	0.97	0.96	1.13	1.00	0.95	0.97	0.96
TOTAL INFLUENT FLOW RATE WY 2017 (MGD)		0.35	0.36	0.39	0.53	0.53	0.54	0.42	0.41	0.40	0.37	0.38	0.37
ESTIMATED 2017 WY I&I (MG)	0.6	0.000	0.000	0.006	0.150	0.152	0.164	0.041	0.031	0.020	0.000	0.000	0.000
1 IN 100 YEAR I&I AND ADWF (MG)		0.40	0.40	0.40	0.53	0.53	0.41	0.42	0.41	0.40	0.38	0.38	0.38
CALCULATIONS													
CALCULATIONS / MONTH	ANNUAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
RAIN-RELATED CALCULATIONS													
PERCENT ANNUAL RAINFALL/MONTH (%)		14.5%	7.5%	8.5%	20.3%	20.3%	20.3%	7.7%	0.6%	0.5%	0.0%	0.0%	0.0%
ESTIMATED IONE RAIN, 1-in-100 YEAR (IN)	41.2	5.98	3.08	3.48	8.34	8.34	8.34	3.18	0.25	0.19	0.00	0.00	0.00
EFFECTIVE RAIN FOR PLANTS (IN)	39.1	5.68	2.93	3.31	7.92	7.92	7.92	3.02	0.24	0.18	0.00	0.00	0.00
EVAPORATION-RELATED CALCULATIONS													
EVAPOTRANSPIRATION POTENTIAL (IN) (ETc) (ETo * Weighted Kc)	44	3.22	1.21	1.11	0.45	0.99	2.82	4.12	4.67	6.63	7.48	6.98	4.80
1-in-100 YEAR DESIGN ET POTENTIAL (IN) (ETc * Seasonal Evaporation Ratio)	41	2.41	0.91	0.83	0.34	0.74	2.12	3.09	4.67	6.63	7.48	6.98	4.80
WWTP / STORAGE RESERVOIR EVAPORATION (IN) (ETo * Water Surface Coefficient)	42	2.90	0.89	0.88	0.31	0.65	2.18	3.23	4.13	6.63	7.87	7.21	5.01
SANITARY-RELATED CALCULATIONS													
WY 2017 ACTUAL TOTAL INFLUENT FLOW VOLUME, INCLUDES I&I (MG)	153	10.8	10.9	12.0	16.4	14.9	16.9	12.6	12.7	12.0	11.4	11.7	11.0
DESIGN DISCHARGE TO FIELD 7													
BEGINNING AVAILABLE RAIN WATER IN SOIL (IN)		0.00	3.27	4.20	4.20	4.20	4.20	4.20	4.13	0.00	0.00	0.00	0.00
LAND AREA UNDER IRRIGATION (AC)		43	43	43	43	43	43	43	43	43	43	43	43
POTENTIAL 1-in-100 YEAR EFFLUENT APPLICATION RATE (IN/MONTH)	29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	7.09	8.23	7.68	5.27
POTENTIAL 1-in-100 YEAR EFFLUENT APPLICATION VOLUME (MG)	33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39	8.28	9.61	8.96	6.16
MAX EFFLUENT VOLUME AVAILABLE FOR LAND (MG)		30.8	40.9	51.2	66.1	82.6	101.4	115.2	125.3	89.8	39.3	13.4	11.0
AVAILABLE EFFLUENT APPLIED TO LAND (MG)	33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39	8.28	9.61	8.96	6.16
ACTUAL EFFLUENT APPLIED TO LAA 7, WY 2017(MG)	27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	5.85	4.85	5.75	4.20
DIFFERENCE BETWEEN MODEL AND REPORTED (%)		0%	0%	0%	0%	0%	0%	0%	94%	-42%	-98%	-56%	-47%
AVERAGE EFFLUENT DISCHARGE RATE TO FIELD 7 (MGD)		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.28	0.31	0.29	0.21
EFFLUENT IRRIGATION RATE (IN/MONTH)	29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	7.09	8.23	7.68	5.27
DESIGN DISCHARGE TO FIELDS 1-4 & 6													
BEGINNING AVAILABLE RAIN WATER IN SOIL (IN)		0.00	0.28	0.28	0.28	0.28	0.28	0.28	0.21	0.00	0.00	0.00	0.00
LAND AREA UNDER IRRIGATION (AC)		157	157	157	157	157	157	157	157	157	157	157	157
POTENTIAL 1-in-100 YEAR EFFLUENT APPLICATION RATE (IN/MONTH)	18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.53	3.87	4.49	4.19	2.88
POTENTIAL 1-in-100 YEAR EFFLUENT APPLICATION VOLUME (MG)	77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.80	16.50	19.13	17.85	12.26
REMAINING EFFLUENT VOLUME AVAILABLE FOR LAND (MG)		30.77	40.94	51.23	66.12	82.61	101.43	115.19	124.90	81.49	29.72	4.43	4.85
REMAINING AVAILABLE EFFLUENT APPLIED TO LAND (MG)	56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.80	16.50	19.13	4.43	4.85
ACTUAL EFFLUENT APPLIED TO LAA 1-4& 6, WY 2017(MG)	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.59	12.14	19.00	15.15	10.65
DIFFERENCE BETWEEN MODEL AND REPORTED (%)		0%	0%	0%	0%	0%	0%	0%	-135%	-36%	-1%	71%	54%
AVERAGE EFFLUENT DISCHARGE RATE (MGD)		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.35	0.55	0.62	0.14	0.16
EFFLUENT IRRIGATION RATE (IN/MONTH)	13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.53	3.87	4.49	1.04	1.14
DESIGN DISCHARGE TO COWRP													
AVERAGE COWRP DISCHARGE (MGD)		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MONTHLY DISCHARGE TO COWRP (MG)	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HISTORICAL AVERAGE DISCHARGE TO COWRP (MG)	93.8	8.9	3.4	0.2	2.4	1.1	0.0	0.9	3.9	9.3	15.0	27.7	21.1
CDCR/ARSA AGREEMENT LIMITED PRESTON DISCHARGE (MG)	114	1.8	1.8	1.8	1.8	1.8	1.8	17.3	17.3	17.3	17.3	17.3	17.3
CDCR/ARSA AGREEMENT LIMITED PRESTON DISCHARGE (ACFT)	350	5.4	5.4	5.4	5.4	5.4	5.4	53.0	53.0	53.0	53.0	53.0	53.0
WY 2017 PRESTON DISCHARGE (MG)	68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.6	32.3	4.3	0.0	0.0
DESIGN LOSSES AND GAINS FROM STORAGE													
STORAGE AT BEGINNING OF MONTH (MG)		20.00	30.03	39.27	49.70	67.71	84.57	102.57	112.56	77.78	27.95	1.68	0.00
EFFLUENT STORAGE VOLUME GAIN/LOSS (MG)		10.77	10.91	11.96	16.42	14.90	16.87	12.62	-30.03	-45.12	-21.63	-1.68	0.00
UNADJUSTED STORAGE VOLUME (MG)		30.77	40.94	51.23	66.12	82.61	101.43	115.19	82.53	32.67	6.31	0.00	0.00
APPROXIMATE EFFECTIVE RESERVOIR EVAP AREA (AC)		8.0	9.2	10.3	11.9	13.7	15.8	17.3	13.7	8.3	5.4	4.7	4.7
APPROXIMATE EFFECTIVE RESERVOIR PERC AREA (AC)		9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
APPROXIMATE AREA OF WWTP PROCESSES (AC)		1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
EVAPORATIVE LOSS FROM STORAGE (MG)	9	0.72	0.25	0.27	0.11	0.26	1.00	1.62	1.67	1.69	1.40	0.00	0.00
PERCOLATION LOSS FROM STORAGE (MG)	32	3.23	3.13	3.23	3.23	2.92	3.23	3.13	3.23	3.13	3.23	0.00	0.00
RUNOFF TO STORAGE FROM RAIN CATCHMENT AREA (MG)	22	2.85	1.51	1.76	4.41	4.61	4.84	1.91	0.14	0.09	0.00	0.00	0.00
PRECIP CAPTURED BY WWTP PROCESS AREAS (MG)	3	0.38	0.19	0.22	0.53	0.53	0.53	0.20	0.02	0.01	0.00	0.00	0.00
STORAGE AT END OF MONTH (MG)		30.03	39.27	49.70	67.71	84.57	102.57	112.56	77.78	27.95	1.68	0.00	0.00
ACTUAL STORAGE AT END OF MONTH WY 2017 AT ADWF 0.38 MGD (MG)		31.00	46.00	70.40	111.30	104.30	104.00	84.00	50.90	13.20	0.00	0.00	14.20
SUMMARY													
ANNUAL INFLOWS (MG)				ANNUAL OUTFLOWS (MG)				OVERALL BALANCE (MUST NOT BE NEGATIVE)					
WASTEWATER AND I&I.....		153		EVAPORATION.....		9		TOTAL UNUSED DISPOSAL CAPACITY (MG)		20			
PRECIPITATION INTO WWTP AND RESERVOIR.....		25		PERCOLATION.....		32		UNUSED LAA CAPACITY (MG)		0			
				ON-SITE LAND DISPOSAL.....		89		UNUSED COWRP CAPACITY (MG)		68			
				DISCHARGE TO PRESTON RESERVOIR.....		68		TOTAL UNUSED STORAGE CAPACITY (MG)		42			
TOTAL INFLOW		178		TOTAL OUTFLOW		198							