Table 2-5. PID Surface Water Inflow (acre-ft)															
Water Year	Precipitation	Stream Inflow			Imported Water							Recyled Water	Discharge from Wells		Total In
		Tule River	Deer Creek	White River	Saucelito ID	Terra Bella ID	Porterville ID	Tea Pot Dome WD	City of Porterville	Hope WD	Ducor ID		Agricultural	Municipal	
1987	14,900	44,100	NA	NA	NA	NA	15,300	NA	NA	NA	NA	NA	18,000	100	92,400
1988	13,100	16,600	NA	NA	NA	NA	13,100	NA	NA	NA	NA	NA	23,100	100	66,000
1989	10,500	25,600	NA	NA	NA	NA	13,100	NA	NA	NA	NA	NA	28,400	100	77,700
1990	12,400	8,900	NA	NA	NA	NA	11,500	NA	NA	NA	NA	NA	28,000	100	60,900
1991	15,500	25,000	NA	NA	NA	NA	11,300	NA	NA	NA	NA	NA	21,000	100	72,900
1992	10,900	11,300	NA	NA	NA	NA	15,600	NA	NA	NA	NA	NA	27,500	100	65,400
1993	17,900	61,700	NA	NA	NA	NA	12,300	NA	NA	NA	NA	NA	16,800	100	108,800
1994	11,600	33,400	NA	NA	NA	NA	12,900	NA	NA	NA	NA	NA	27,500	100	85,500
1995	23,400	151,000	NA	NA	NA	NA	9,500	NA	NA	NA	NA	NA	12,500	100	196,500
1996	12,400	111,000	NA	NA	NA	NA	13,800	NA	NA	NA	NA	NA	20,000	100	157,300
1997	17,000	258,500	NA	NA	NA	NA	13,400	NA	NA	NA	NA	NA	17,400	100	306,400
1998	28,100	295,200	NA	NA	NA	NA	10,200	NA	NA	NA	NA	NA	9,400	100	343,000
1999	13,200	75,200	NA	NA	NA	NA	16,100	NA	NA	NA	NA	NA	19,200	100	123,800
2000	13,700	69,100	NA	NA	NA	NA	15,500	NA	NA	NA	NA	NA	28,800	100	127,200
2001	10,800	30,900	NA	NA	NA	NA	15,400	NA	NA	NA	NA	NA	23,300	100	80,500
2002	10,500	37,500	NA	NA	NA	NA	13,600	NA	NA	NA	NA	NA	31,100	100	92,800
2003	13,100	83,800	NA	NA	NA	NA	14,600	NA	NA	NA	NA	NA	26,400	100	138,000
2004	9,500	27,400	NA	NA	NA	NA	14,700	NA	NA	NA	NA	NA	34,800	100	86,500
2005	18,900	98,000	NA	NA	NA	NA	14,700	NA	NA	NA	NA	NA	15,300	100	147,000
2006	18,400	136,100	NA	NA	NA	NA	13,300	NA	NA	NA	NA	NA	15,500	100	183,400
2007	7,300	22,200	NA	NA	NA	NA	9,800	NA	NA	NA	NA	NA	34,500	100	73,900
2008	10,500	46,300	NA	NA	NA	NA	13,000	NA	NA	NA	NA	NA	30,900	100	100,800
2009	8,600	32,000	NA	NA	NA	NA	18,000	NA	NA	NA	NA	NA	19,200	100	77,900
2010	14,700	89,200	NA	NA	NA	NA	14,300	NA	NA	NA	NA	NA	10,900	100	129,200
2011	22,200	200,400	NA	NA	NA	NA	9,400	NA	NA	NA	NA	NA	15,800	100	247,900
2012	15,900	62,800	NA	NA	NA	NA	9,300	NA	NA	NA	NA	NA	18,300	100	106,400
2013	5,600	16,100	NA	NA	NA	NA	10,300	NA	NA	NA	NA	NA	30,700	100	62,800
2014	5,700	700	NA	NA	NA	NA	200	NA	NA	NA	NA	NA	37,700	100	44,400
2015	9,100	300	NA	NA	NA	NA	100	NA	NA	NA	NA	NA	32,400	100	42,000
2016	14,900	40,000	NA	NA	NA	NA	13,300	NA	NA	NA	NA	NA	16,300	100	84,600
2017	17,500	197,200	NA	NA	NA	NA	21,700	NA	NA	NA	NA	NA	24,200	100	260,700
2018	8,300	33,400	NA	NA	NA	NA	12,700	NA	NA	NA	NA	NA	32,300	100	86,800
2019	19,300	152,800	NA	NA	NA	NA	60,900	NA	NA	NA	NA	NA	15,300	100	248,400
2020	9,400	29,100	NA	NA	NA	NA	11,500	NA	NA	NA	NA	NA	26,597	100	76,697
2021	4,300	600	NA	NA	NA	NA	3,100	NA	NA	NA	NA	NA	38,482	100	46,582
2022	9,900	13,200	NA	NA	NA	NA	9,700	NA	NA	NA	NA	NA	28,298	100	61,198
2023	22,400	487,100	NA	NA	NA	NA	65,300	NA	NA	NA	NA	NA	17,119	100	592,019
2024	12,200	133,200	NA	NA	NA	NA	34,000	NA	NA	NA	NA	NA	23,425	100	202,925

Table 2-6. PID Surface Water Outflow (acre-ft)																	
Water Year	Areal Recharge of Precipitation	Streambed Infiltration			Recharge in Basins				Canal Loss			Deep Percolation of Applied Water					
		Tule River	Deer Creek	White River	Tule River	Deer Creek	Imported Water	Recyled Water	Tule River	Deer Creek	Imported Water	Tule River	Deer Creek	Imported Water	Recycled Water	Agricultural Pumping	Municipal Pumping
		Success to Oettle Bridge Infiltration	Before Trenton Weir Infiltration														
1987	1,600	3,700	NA	NA	0	NA	0	0	400	NA	200	4,100	NA	6,900	0	4,300	0
1988	700	1,900	NA	NA	0	NA	0	0	900	NA	100	4,900	NA	6,900	0	5,600	0
1989	0	2,800	NA	NA	0	NA	0	0	300	NA	100	1,200	NA	6,100	0	6,900	0
1990	700	1,800	NA	NA	0	NA	0	0	0	NA	0	600	NA	4,900	0	6,800	0
1991	1,900	2,300	NA	NA	0	NA	0	0	0	NA	100	600	NA	4,300	0	5,100	0
1992	0	1,400	NA	NA	0	NA	0	0	100	NA	100	500	NA	4,800	0	6,600	0
1993	3,500	4,100	NA	NA	0	NA	0	0	2,400	NA	400	9,700	NA	6,200	0	4,000	0
1994	0	2,200	NA	NA	0	NA	0	0	0	NA	100	3,000	NA	4,900	0	6,500	0
1995	7,100	8,100	NA	NA	0	NA	0	0	4,700	NA	400	19,200	NA	5,400	0	2,900	0
1996	0	5,100	NA	NA	0	NA	0	0	2,200	NA	300	17,500	NA	7,300	0	4,700	0
1997	3,000	8,200	NA	NA	0	NA	0	0	3,900	NA	300	19,000	NA	8,300	0	4,100	0
1998	10,000	8,500	NA	NA	0	NA	0	0	5,800	NA	300	20,400	NA	6,500	0	2,200	0
1999	500	4,200	NA	NA	0	NA	0	0	800	NA	200	3,900	NA	6,600	0	4,500	0
2000	800	5,000	NA	NA	0	NA	0	0	1,000	NA	200	3,200	NA	8,000	0	6,900	0
2001	0	3,400	NA	NA	0	NA	0	0	900	NA	100	1,700	NA	6,000	0	5,500	0
2002	0	4,600	NA	NA	0	NA	0	0	600	NA	100	3,900	NA	6,900	0	7,400	0
2003	400	6,200	NA	NA	0	NA	0	0	800	NA	200	1,400	NA	4,800	0	5,400	0
2004	0	2,900	NA	NA	0	NA	0	0	600	NA	100	1,000	NA	4,300	0	6,900	0
2005	4,100	6,400	NA	NA	0	NA	0	0	2,100	NA	300	8,600	NA	7,900	0	3,000	0
2006	3,900	6,900	NA	NA	0	NA	0	0	2,900	NA	300	24,100	NA	10,500	0	3,200	0
2007	0	2,200	NA	NA	0	NA	0	0	0	NA	0	300	NA	2,400	0	6,900	0
2008	0	3,600	NA	NA	0	NA	0	0	600	NA	100	1,700	NA	5,500	0	6,200	0
2009	0	2,800	NA	NA	0	NA	0	0	500	NA	100	1,400	NA	5,400	0	3,800	0
2010	1,500	6,700	NA	NA	0	NA	0	0	2,300	NA	300	14,000	NA	8,600	0	2,200	0
2011	6,300	8,600	NA	NA	0	NA	0	0	4,400	NA	400	25,400	NA	8,000	0	3,200	0
2012	2,200	4,100	NA	NA	0	NA	0	0	700	NA	100	900	NA	3,800	0	3,800	0
2013	0	1,700	NA	NA	0	NA	0	0	0	NA	0	0	NA	2,100	0	6,300	0
2014	0	700	NA	NA	0	NA	0	0	100	NA	0	0	NA	0	0	7,700	0
2015	0	300	NA	NA	0	NA	0	0	0	NA	0	100	NA	0	0	6,600	0
2016	1,600	4,600	NA	NA	0	NA	0	0	1,100	NA	100	1,600	NA	5,600	0	3,300	100
2017	3,300	9,400	NA	NA	0	NA	14,500	0	5,500	NA	500	25,700	NA	12,700	0	5,000	100
2018	0	3,100	NA	NA	0	NA	2,900	0	300	NA	200	200	NA	3,400	0	6,600	100
2019	4,400	7,100	NA	NA	0	NA	43,800	0	3,700	NA	300	3,300	NA	13,700	0	3,100	100
2020	0	3,800	NA	NA	0	NA	0	0	500	NA	100	1,600	NA	3,800	0	5,500	100
2021	0	600	NA	NA	0	NA	0	0	0	NA	0	500	NA	600	0	8,000	100
2022	0	4,300	NA	NA	0	NA	4,500	0	100	NA	100	500	NA	1,400	0	5,900	100
2023	6,400	9,400	NA	NA	0	NA	73,700	0	6,900	NA	400	9,700	NA	14,200	0	3,500	100
2024	0	10,400	NA	NA	0	NA	40,400	0	2,800	NA	300	1,100	NA	1,800	0	4,900	100
Average	**1,700**	**4,600**	**NA**	**NA**	**0**	**NA**	**4,900**	**0**	**1,600**	**NA**	**200**	**6,300**	**NA**	**5,800**	**0**	**5,200**	**0**

Groundwater Inflows to be Included in the Native Yield Estimate

Groundwater Inflows to be Excluded from the Native Yield Estimate

Surface Water or Groundwater Outflows Not Included in Native Yield Estimate

	PID Surface Water Outflow (acre-ft)														
	Evapotransportation										Surface Outflow				
Water Year	Precipitation Crops/Native	Tule River		Deer Creek		White River	Imported Water	Ag. Cons. Use from Pumping	Recycled Water	Municipal (Landscape ET)	Tule River		Deer Creek	White River	Total Out
		Agricultural Cons. Use	Stream Channel	Agricultural Cons. Use	Stream Channel	Stream Channel	Agricultural Cons. Use		Agricultural Cons. Use		To LTIRD GSA	To FKC	MODIFIED (To ETGSA)	To DEID GSA	
1987	13,300	4,900	200	NA	NA	NA	8,400	13,300	NA	NA	40,400	0	NA	NA	101,700
1988	12,400	4,400	100	NA	NA	NA	6,100	17,000	NA	NA	14,700	0	NA	NA	75,700
1989	10,500	1,400	100	NA	NA	NA	7,000	21,000	NA	NA	22,900	0	NA	NA	80,300
1990	11,700	900	200	NA	NA	NA	6,700	20,700	NA	NA	7,100	0	NA	NA	62,100
1991	13,600	1,000	100	NA	NA	NA	7,000	15,600	NA	NA	22,700	0	NA	NA	74,300
1992	10,900	1,100	200	NA	NA	NA	10,700	20,200	NA	NA	9,900	0	NA	NA	66,500
1993	14,400	9,600	200	NA	NA	NA	6,100	12,200	NA	NA	57,600	0	NA	NA	130,400
1994	11,600	4,900	100	NA	NA	NA	8,000	20,000	NA	NA	31,300	0	NA	NA	92,600
1995	16,400	14,400	200	NA	NA	NA	4,000	8,800	NA	NA	142,900	0	NA	NA	234,500
1996	12,400	15,400	200	NA	NA	NA	6,500	14,300	NA	NA	105,900	0	NA	NA	191,800
1997	14,100	11,800	200	NA	NA	NA	5,100	12,500	NA	NA	250,300	0	NA	NA	340,800
1998	18,000	11,400	200	NA	NA	NA	3,600	6,700	NA	NA	286,700	0	NA	NA	380,300
1999	12,700	5,600	200	NA	NA	NA	9,500	13,900	NA	NA	71,000	0	NA	NA	133,600
2000	12,900	3,000	200	NA	NA	NA	7,500	21,200	NA	NA	64,000	0	NA	NA	133,900
2001	10,800	2,700	100	NA	NA	NA	9,500	16,900	NA	NA	27,500	0	NA	NA	85,100
2002	10,500	3,800	200	NA	NA	NA	6,700	22,700	NA	NA	32,900	0	NA	NA	100,300
2003	12,700	2,900	200	NA	NA	NA	9,900	20,100	NA	NA	77,600	0	NA	NA	142,600
2004	9,500	2,400	200	NA	NA	NA	10,400	26,500	NA	NA	24,500	0	NA	NA	89,300
2005	14,700	7,400	200	NA	NA	NA	6,800	11,600	NA	NA	91,500	0	NA	NA	164,600
2006	14,600	6,200	200	NA	NA	NA	2,700	12,100	NA	NA	129,200	0	NA	NA	216,800
2007	7,300	800	100	NA	NA	NA	7,400	26,500	NA	NA	20,000	0	NA	NA	73,900
2008	10,500	2,300	100	NA	NA	NA	7,500	23,800	NA	NA	42,700	0	NA	NA	104,600
2009	8,600	3,300	200	NA	NA	NA	12,600	14,500	NA	NA	29,200	0	NA	NA	82,400
2010	13,200	9,200	200	NA	NA	NA	5,700	8,200	NA	NA	82,500	0	NA	NA	154,600
2011	15,900	4,400	200	NA	NA	NA	1,400	12,400	NA	NA	191,800	0	NA	NA	282,400
2012	13,700	1,300	200	NA	NA	NA	5,500	14,400	NA	NA	58,800	0	NA	NA	109,500
2013	5,600	0	200	NA	NA	NA	8,200	24,000	NA	NA	14,400	0	NA	NA	62,500
2014	5,700	200	100	NA	NA	NA	100	29,500	NA	NA	0	0	NA	NA	44,100
2015	9,100	400	100	NA	NA	NA	100	25,300	NA	NA	0	0	NA	NA	42,000
2016	13,300	2,100	100	NA	NA	NA	7,600	12,700	NA	NA	35,400	0	NA	NA	89,200
2017	14,200	8,300	200	NA	NA	NA	4,100	19,000	NA	NA	187,800	0	NA	NA	310,300
2018	8,300	400	200	NA	NA	NA	6,600	25,400	NA	NA	30,200	0	NA	NA	87,900
2019	14,900	2,900	400	NA	NA	NA	11,900	12,000	NA	NA	145,700	0	NA	NA	267,300
2020	9,400	3,200	200	NA	NA	NA	7,700	21,100	NA	NA	25,300	0	NA	NA	82,300
2021	4,300	2,000	200	NA	NA	NA	2,400	30,500	NA	NA	0	0	NA	NA	49,200
2022	9,900	1,700	200	NA	NA	NA	4,900	22,400	NA	NA	8,800	0	NA	NA	64,800
2023	16,000	5,000	200	NA	NA	NA	7,300	13,600	NA	NA	477,600	0	NA	NA	644,000
2024	12,200	4,000	200	NA	NA	NA	6,800	18,600	NA	NA	122,800	0	NA	NA	226,400
Average	**11,800**	**4,400**	**200**	**NA**	**NA**	**NA**	**6,500**	**18,100**	**NA**	**NA**	**79,500**	**0**	**NA**	**NA**	150,600

Groundwater Inflows to be Included in the Native Yield Estimate

Groundwater Inflows to be Excluded from the Native Yield Estimate

Surface Water or Groundwater Outflows Not Included in Native Yield Estimate

Table 2-7

Porterville Irrigation District
Historical Groundwater Budget 1986/87 to 2023/24

Water Year	Groundwater Inflows (acre-ft)																			
	Areal Recharge from Precipitation	Tule River				Deer Creek				White River	Imported Water Deliveries			Agricultural Pumping (Groundwater)	Municipal Pumping			Subsurface Inflow		Mountain-Block Recharge	Total In
		Success to Oettle Bridge Infiltration	Recharge in Basins	Canal Loss	Return Flow of Applied Irrigation Water	Infiltration Before Trenton Weir	Canal Loss	Recharge in Basin	Return Flows of Applied Irrigation Water	Infiltration Before DEID	Recharge in Basins	Canal Loss	Return Flows	Irrigated Agriculture (Return Flows of Applied Irrigation Water)	Return Flow of Applied Irrigation Water	Recycled Water		From Outside Subbasin	From Other GSAs		
																Agricultural Return Flow	Artificial Recharge				
1987	1,600	3,700	0	400	4,100	NA	NA	NA	NA	NA	0	200	6,900	4,300	0	0	0	0	17,000	0	38,200
1988	700	1,900	0	900	4,900	NA	NA	NA	NA	NA	0	100	6,900	5,600	0	0	0	0	19,000	0	40,000
1989	0	2,800	0	300	1,200	NA	NA	NA	NA	NA	0	100	6,100	6,900	0	0	0	0	20,100	0	37,500
1990	700	1,800	0	0	600	NA	NA	NA	NA	NA	0	0	4,900	6,800	0	0	0	0	19,700	0	34,500
1991	1,900	2,300	0	0	600	NA	NA	NA	NA	NA	0	100	4,300	5,100	0	0	0	0	17,900	0	32,200
1992	0	1,400	0	100	500	NA	NA	NA	NA	NA	0	100	4,800	6,600	0	0	0	0	19,000	0	32,500
1993	3,500	4,100	0	2,400	9,700	NA	NA	NA	NA	NA	0	400	6,200	4,000	0	0	0	0	15,900	0	46,200
1994	0	2,200	0	0	3,000	NA	NA	NA	NA	NA	0	100	4,900	6,500	0	0	0	0	16,100	0	32,800
1995	7,100	8,100	0	4,700	19,200	NA	NA	NA	NA	NA	0	400	5,400	2,900	0	0	0	0	13,100	0	60,900
1996	0	5,100	0	2,200	17,500	NA	NA	NA	NA	NA	0	300	7,300	4,700	0	0	0	0	13,300	0	50,400
1997	3,000	8,200	0	3,900	19,000	NA	NA	NA	NA	NA	0	300	8,300	4,100	0	0	0	0	13,100	0	59,900
1998	10,000	8,500	0	5,800	20,400	NA	NA	NA	NA	NA	0	300	6,500	2,200	0	0	0	0	11,600	0	65,300
1999	500	4,200	0	800	3,900	NA	NA	NA	NA	NA	0	200	6,600	4,500	0	0	0	0	13,300	0	34,000
2000	800	5,000	0	1,000	3,200	NA	NA	NA	NA	NA	0	200	8,000	6,900	0	0	0	0	15,500	0	40,600
2001	0	3,400	0	900	1,700	NA	NA	NA	NA	NA	0	100	6,000	5,500	0	0	0	0	14,100	0	31,700
2002	0	4,600	0	600	3,900	NA	NA	NA	NA	NA	0	100	6,900	7,400	0	0	0	0	15,500	0	39,000
2003	400	6,200	0	800	1,400	NA	NA	NA	NA	NA	0	200	4,800	5,400	0	0	0	0	14,800	0	34,000
2004	0	2,900	0	600	1,000	NA	NA	NA	NA	NA	0	100	4,300	6,900	0	0	0	0	15,800	0	31,600
2005	4,100	6,400	0	2,100	8,600	NA	NA	NA	NA	NA	0	300	7,900	3,000	0	0	0	0	13,500	0	45,900
2006	3,900	6,900	0	2,900	24,100	NA	NA	NA	NA	NA	0	300	10,500	3,200	0	0	0	0	12,300	0	64,100
2007	0	2,200	0	0	300	NA	NA	NA	NA	NA	0	0	2,400	6,900	0	0	0	0	14,800	0	26,600
2008	0	3,600	0	600	1,700	NA	NA	NA	NA	NA	0	100	5,500	6,200	0	0	0	0	15,300	0	33,000
2009	0	2,800	0	500	1,400	NA	NA	NA	NA	NA	0	100	5,400	3,800	0	0	0	0	12,900	0	26,900
2010	1,500	6,700	0	2,300	14,000	NA	NA	NA	NA	NA	0	300	8,600	2,200	0	0	0	0	10,900	0	46,500
2011	6,300	8,600	0	4,400	25,400	NA	NA	NA	NA	NA	0	400	8,000	3,200	0	0	0	0	12,100	0	68,400
2012	2,200	4,100	0	700	900	NA	NA	NA	NA	NA	0	100	3,800	3,800	0	0	0	0	12,200	0	27,800
2013	0	1,700	0	0	0	NA	NA	NA	NA	NA	0	0	2,100	6,300	0	0	0	0	15,300	0	25,400
2014	0	700	0	100	0	NA	NA	NA	NA	NA	0	0	0	7,700	0	0	0	0	16,600	0	25,100
2015	0	300	0	0	100	NA	NA	NA	NA	NA	0	0	0	6,600	0	0	0	0	16,000	0	23,000
2016	1,600	4,600	0	1,100	1,600	NA	NA	NA	NA	NA	0	100	5,600	3,300	100	0	0	0	14,400	0	32,400
2017	3,300	9,400	0	5,500	25,700	NA	NA	NA	NA	NA	14,500	500	12,700	5,000	100	0	0	0	15,000	0	91,700
2018	0	3,100	0	300	200	NA	NA	NA	NA	NA	2,900	200	3,400	6,600	100	0	0	0	15,900	0	32,700
2019	4,400	7,100	0	3,700	3,300	NA	NA	NA	NA	NA	43,800	300	13,700	3,100	100	0	0	0	16,900	0	96,400
2020	0	3,800	0	500	1,600	NA	NA	NA	NA	NA	0	100	3,800	5,500	100	0	0	0	15,600	0	31,000
2021	0	600	0	0	500	NA	NA	NA	NA	NA	0	0	600	8,000	100	0	0	0	15,600	0	25,400
2022	0	4,300	0	100	500	NA	NA	NA	NA	NA	4,500	100	1,400	5,900	100	0	0	0	15,600	0	32,500
2023	6,400	9,400	0	6,900	9,700	NA	NA	NA	NA	NA	73,700	400	14,200	3,500	100	0	0	0	15,600	0	139,900
2024	0	10,400	0	2,800	1,100	NA	NA	NA	NA	NA	40,400	300	1,800	4,900	100	0	0	0	15,600	0	77,400
Average	**1,700**	**4,600**	**0**	**1,600**	**6,200**	**NA**	**NA**	**NA**	**NA**	**NA**	**4,700**	**200**	**5,800**	**5,100**	**0**	**0**	**0**	**0**	**15,200**	**0**	**45,100**

Groundwater Inflows to be Included in the Native Yield Estimate

Groundwater Inflows to be Excluded from the Native Yield Estimate

Surface Water or Groundwater Outflows Not Included in Native Yield Estimate

Note: 2019/20 to 2023/24: Aquitard change in storage from analysis of InSAR land subsidence. Sub-surface Inflow and Outflow equal to 2015/16 to 2018/19 average

Porterville Irrigation District
Historical Groundwater Budget 1986/87 to 2023/24

Groundwater Outflows (acre-ft)					Change in Storage (acre-ft)		
Groundwater Pumping		Sub-surface Outflow		Total Out	Aquitard Change in Storage	Aquifer Change in Storage	Total Change in Storage
Municipal	Agriculture	To Outside Subbasin	To Other GSAs				
-100	-18,000	0	-24,700	-42,800	-2,800	-1,800	-4,600
-100	-23,100	0	-25,200	-48,400	-1,300	-7,000	-8,300
-100	-28,400	0	-23,300	-51,900	-1,000	-13,400	-14,400
-100	-28,000	0	-23,300	-51,500	-800	-16,100	-17,000
-100	-21,000	0	-21,900	-43,000	0	-10,800	-10,800
-100	-27,500	0	-23,200	-50,800	-1,700	-16,500	-18,200
-100	-16,800	0	-20,900	-37,800	500	7,900	8,400
-100	-27,500	0	-23,100	-50,700	-2,200	-15,900	-18,000
-100	-12,500	0	-24,000	-36,600	700	23,500	24,200
-100	-20,000	0	-26,200	-46,300	-800	4,900	4,000
-100	-17,400	0	-28,000	-45,400	300	14,100	14,400
-100	-9,400	0	-29,100	-38,500	1,200	25,800	27,000
-100	-19,200	0	-27,200	-46,500	-900	-11,300	-12,200
-100	-28,800	0	-24,900	-53,800	-800	-12,300	-13,100
-100	-23,300	0	-25,500	-48,800	-800	-16,200	-17,100
-100	-31,100	0	-25,800	-57,000	-1,500	-16,400	-17,900
-100	-26,400	0	-22,400	-48,900	-1,400	-13,500	-14,900
-100	-34,800	0	-22,700	-57,500	-4,100	-21,800	-25,900
-100	-15,300	0	-21,300	-36,700	-100	9,500	9,400
-100	-15,500	0	-24,100	-39,700	600	23,800	24,400
-100	-34,500	0	-24,100	-58,600	-3,000	-29,000	-32,000
-100	-30,900	0	-23,500	-54,400	-3,300	-18,200	-21,500
-100	-19,200	0	-22,900	-42,200	-2,000	-13,200	-15,200
-100	-10,900	0	-23,000	-34,000	-300	12,800	12,500
-100	-15,800	0	-24,700	-40,600	500	27,500	28,000
-100	-18,300	0	-22,000	-40,400	-600	-12,000	-12,600
-100	-30,700	0	-22,800	-53,600	-2,300	-25,700	-28,000
-100	-37,700	0	-21,300	-59,200	-5,900	-28,100	-33,900
-100	-32,400	0	-19,500	-51,900	-6,200	-22,600	-28,700
-100	-16,300	0	-19,000	-35,400	-2,300	-700	-3,000
-100	-24,200	0	-24,700	-48,900	-1,200	43,700	42,600
-100	-32,300	0	-20,600	-53,000	-2,600	-17,700	-20,300
-100	-15,300	0	-28,400	-43,800	300	52,100	52,500
-100	-26,600	0	-23,200	-49,900	-1,900	-17,000	-18,900
-100	-38,500	0	-23,200	-61,800	-2,100	-34,300	-36,400
-100	-28,300	0	-23,200	-51,600	-2,800	-16,300	-19,100
-100	-17,100	0	-23,200	-40,400	-300	99,800	99,500
-100	-23,400	0	-23,200	-46,700	-700	31,400	30,700
-100	**-23,600**	**0**	**-23,700**	**-47,300**	**-1,400**	**-800**	**-2,200**

Groundwater Inflows to be Included in the Native Yield Estimate

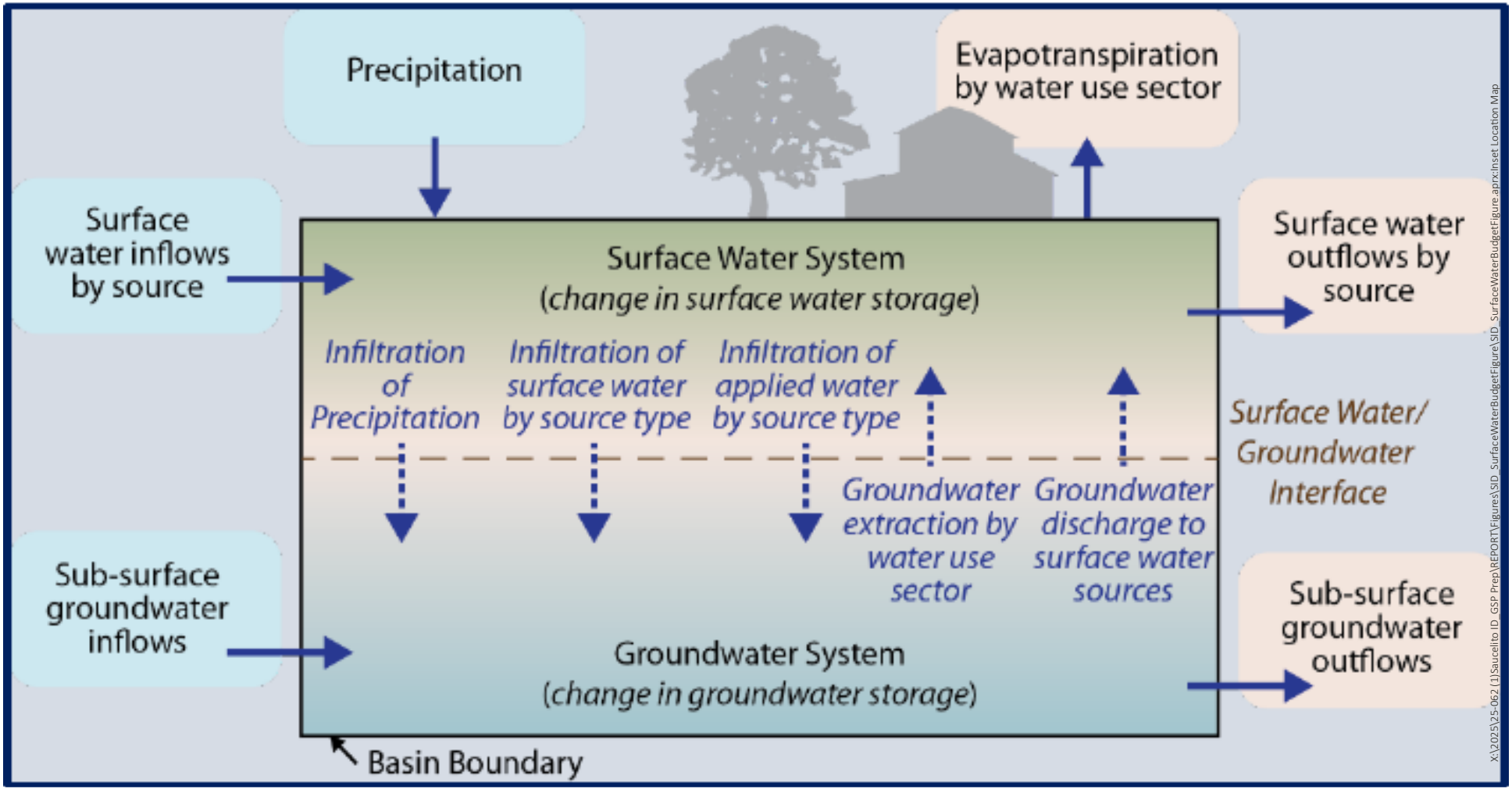
Surface Water or Groundwater Outflows Not Included in Native Yield Estimate

Table 2-8. PID Water Budget Historical and Projected

Water Year	Mountain-Block Recharge	Recharge (Deep Percolation, Streambed Infiltration, Artifical Recharge)	Agricultural Return Flows	Municpal Pumping	Agricultural Wells	Lateral Subsurface Flow	Vertical Flows (Top)	Vertical Flows (bottom)	IN	OUT	Total Pumping	Storage Change
2025	0	12,500	8,700	-100	-18,000	-7,700	16,500	-16,500	60,700	-60,700	-18,100	-4,600
2026	0	12,100	9,000	-100	-23,100	-6,200	17,300	-17,300	70,500	-70,500	-23,200	-8,300
2027	0	7,800	9,600	-100	-28,400	-3,200	17,800	-17,800	70,500	-70,500	-28,600	-14,400
2028	0	5,600	9,200	-100	-28,000	-3,700	18,400	-18,400	69,800	-69,800	-28,100	-17,000
2029	0	6,600	7,700	-100	-21,000	-4,000	16,500	-16,500	61,800	-61,800	-21,100	-10,800
2030	0	3,000	10,500	-100	-27,500	-4,200	17,800	-17,800	68,200	-68,200	-27,600	-18,200
2031	0	21,200	9,100	-100	-16,800	-5,000	17,800	-17,800	69,200	-69,200	-16,900	8,400
2032	0	5,900	10,800	-100	-27,500	-7,000	19,500	-19,500	71,400	-71,400	-27,700	-18,000
2033	0	38,800	8,900	-100	-12,500	-10,900	18,100	-18,100	83,400	-83,300	-12,600	24,200
2034	0	25,200	11,800	-100	-20,000	-12,900	19,700	-19,700	78,800	-78,800	-20,100	4,000
2035	0	37,200	9,600	-100	-17,400	-14,900	20,700	-20,700	88,600	-88,500	-17,400	14,400
2036	0	46,800	7,100	-100	-9,400	-17,500	18,900	-18,900	89,100	-89,100	-9,500	27,000
2037	0	11,400	9,500	-100	-19,200	-13,800	19,600	-19,600	70,500	-70,500	-19,300	-12,200
2038	0	14,800	10,400	-100	-28,800	-9,300	21,200	-21,200	79,700	-79,700	-28,900	-13,100
2039	0	8,100	9,500	-100	-23,300	-11,400	20,500	-20,500	72,500	-72,500	-23,300	-17,100
2040	0	12,800	10,900	-100	-31,100	-10,300	22,500	-22,500	82,400	-82,400	-31,200	-17,900
2041	0	10,400	8,800	-100	-26,400	-7,600	20,400	-20,400	70,800	-70,800	-26,500	-14,900
2042	0	5,600	10,300	-100	-34,800	-6,900	20,700	-20,700	78,000	-78,100	-34,900	-25,900
2043	0	25,800	6,800	-100	-15,300	-7,800	17,700	-17,700	73,900	-73,900	-15,400	9,400
2044	0	46,300	5,500	-100	-15,500	-11,800	17,900	-17,900	92,100	-92,200	-15,600	24,400
2045	0	2,800	9,100	-100	-34,500	-9,200	20,500	-20,500	76,600	-76,600	-34,500	-32,000
2046	0	8,900	8,800	-100	-30,900	-8,200	20,500	-20,500	76,800	-76,800	-31,000	-21,500
2047	0	6,200	8,000	-100	-19,200	-10,000	18,400	-18,400	65,300	-65,300	-19,300	-15,200
2048	0	29,500	6,000	-100	-10,900	-12,100	16,500	-16,500	69,600	-69,600	-11,000	12,500
2049	0	51,600	4,800	-100	-15,800	-12,500	17,200	-17,200	94,000	-94,100	-15,900	28,000
2050	0	10,100	5,500	-100	-18,300	-9,800	17,100	-17,100	62,100	-62,100	-18,400	-12,600
2051	0	1,800	8,400	-100	-30,700	-7,500	18,900	-18,900	71,900	-71,900	-30,800	-28,000
2052	0	900	7,800	-100	-37,700	-4,800	18,900	-18,900	78,000	-78,000	-37,800	-33,900
2053	0	400	6,700	-100	-32,400	-3,500	16,900	-16,900	73,700	-73,700	-32,500	-28,700
2054	0	12,100	5,900	-100	-16,300	-4,600	14,800	-14,800	63,900	-63,900	-16,400	-3,000
2055	0	68,400	8,200	-100	-24,200	-9,700	17,200	-17,200	122,200	-122,200	-24,300	42,600
2056	0	8,300	8,400	-100	-32,300	-4,700	16,200	-16,200	76,700	-76,700	-32,300	-20,300
2057	0	72,300	7,000	-100	-15,300	-11,500	20,000	-20,000	125,300	-125,400	-15,300	52,500
2058	0	24,700	7,200	-100	-10,800	-18,900	17,400	-17,400	62,500	-62,500	-10,900	2,200
2059	0	24,800	7,200	-100	-10,700	-20,100	17,200	-17,200	61,100	-61,100	-10,800	1,000
2060	0	24,800	7,200	-100	-10,800	-20,900	17,400	-17,400	61,400	-61,400	-10,900	200
2061	0	24,800	7,200	-100	-10,800	-21,500	17,600	-17,600	61,700	-61,700	-10,900	-400
2062	0	24,700	7,200	-100	-10,700	-20,900	17,400	-17,400	60,700	-60,700	-10,800	300
2063	0	24,800	7,200	-100	-10,700	-21,100	17,400	-17,400	60,400	-60,300	-10,800	200
2064	0	24,700	7,200	-100	-10,600	-21,400	17,400	-17,400	60,300	-60,300	-10,700	-100
2065	0	24,700	7,200	-100	-10,500	-21,600	17,600	-17,600	60,300	-60,300	-10,600	-300
2066	0	24,700	7,200	-100	-10,500	-22,000	17,800	-17,800	60,600	-60,600	-10,600	-600
2067	0	24,700	7,200	-100	-10,300	-22,200	17,800	-17,800	60,600	-60,500	-10,400	-700
2068	0	24,700	7,200	-100	-10,200	-21,900	17,700	-17,700	59,800	-59,700	-10,300	-400
2069	0	24,700	7,200	-100	-10,200	-21,800	17,600	-17,600	59,400	-59,200	-10,300	-300
2070	0	24,600	7,200	-100	-10,300	-21,800	17,600	-17,600	59,100	-59,100	-10,400	-300

Table 2-8. PID Water Budget Historical and Projected

Water Year	Mountain-Block Recharge	Recharge (Deep Percolation, Streambed Infiltration, Artifical Recharge)	Agricultural Return Flows	Municpal Pumping	Agricultural Wells	Lateral Subsurface Flow	Vertical Flows (Top)	Vertical Flows (bottom)	IN	OUT	Total Pumping	Storage Change
Historical Average	0	24,700	7,200	-100	-10,300	-21,700	17,500	-17,500	58,600	-58,600	-10,400	-200
Projected Average	0	24,700	7,200	-100	-10,200	-21,700	17,500	-17,500	58,300	-58,300	-10,300	-100



Data sources:
DWR (2016)

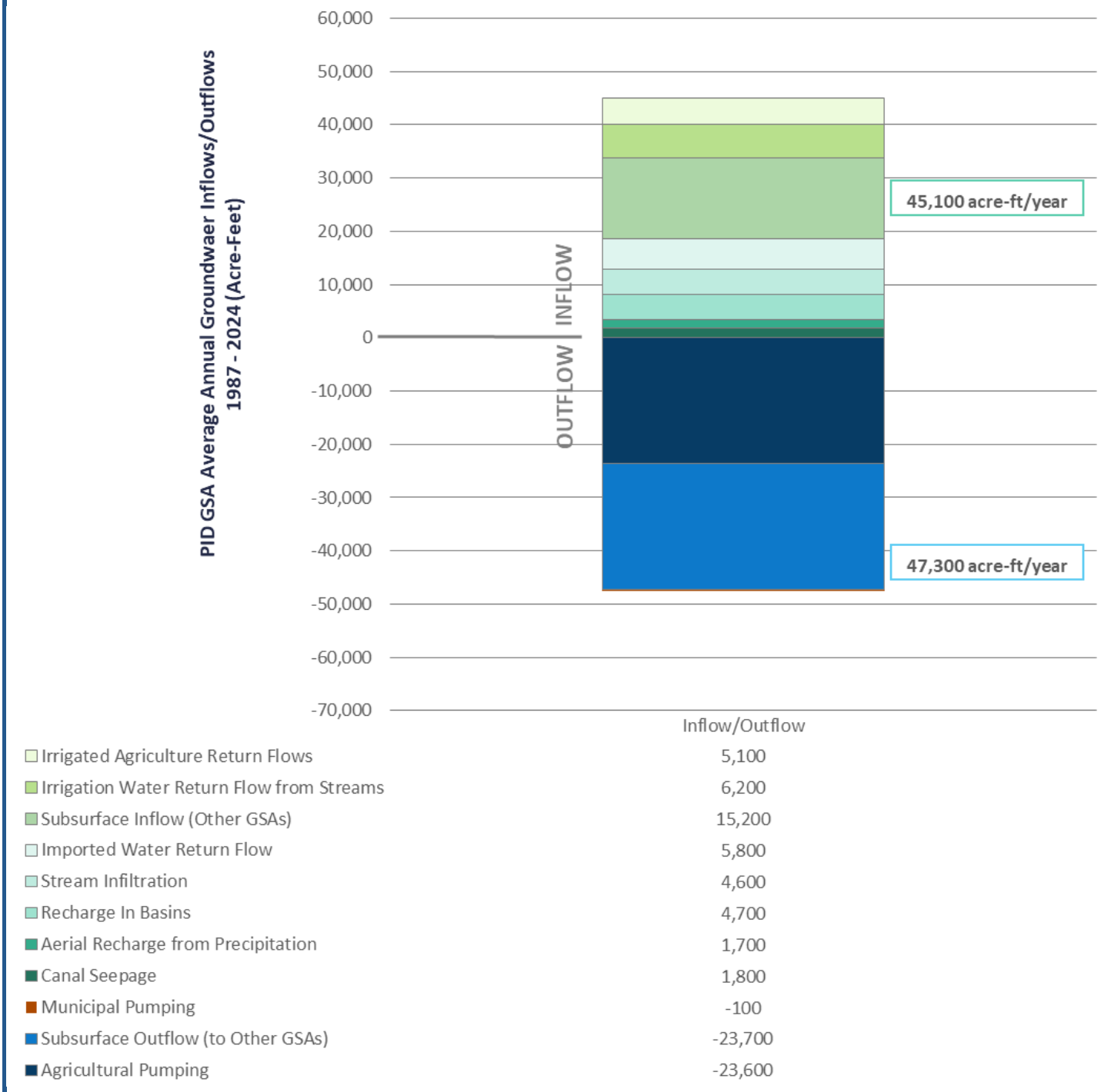
Luhdorff & Scalmanini Consulting Engineers

Surface Water Inflow and Outflow Components

Figure 2-38

Groundwater Sustainability Plan

Porterville Irrigation District GSA, Tule Subbasin



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Porterville Irrigation District Groundwater Budget

Figure 2-39

Groundwater Sustainability Plan
Porterville Irrigation District, Tule Subbasin