

5/25/2021

**Allocation Information for Discussion**

**Sustainable Yield and Transitional Water (using 2015 ETAW)**

<b>Exhibit A</b>							
Year	Madera County GSAs						
	Madera Subbasin		Chowchilla Subbasin		Delta Mendota Subbasin		
	SY	TW	SY	TW	SY	TW	
2020	90,000	101,000	22,500	58,110	1,500	2,000	2%
2021	90,000	98,980	22,500	56,948	1,500	1,960	2%
2022	90,000	96,960	22,500	55,786	1,500	1,920	2%
2023	90,000	94,940	22,500	54,623	1,500	1,880	2%
2024	90,000	92,920	22,500	53,461	1,500	1,840	2%
2025	90,000	90,900	22,500	52,299	1,500	1,800	2%

**Sustainable Yield and Transitional Water (using 2020 ETAW)**

<b>Exhibit A</b>							
Year	Madera County GSAs						
	Madera Subbasin		Chowchilla Subbasin		Delta Mendota Subbasin		
	SY	TW	SY	TW	SY	TW	
2020	90,000	113,000	22,500	63,400	1,500	2,000	2%
2021	90,000	110,740	22,500	62,132	1,500	1,960	2%
2022	90,000	108,480	22,500	60,864	1,500	1,920	2%
2023	90,000	106,220	22,500	59,596	1,500	1,880	2%
2024	90,000	103,960	22,500	58,328	1,500	1,840	2%
2025	90,000	101,700	22,500	57,060	1,500	1,800	2%

Option A – Using 2015 ETAW

Madera County GSA: Madera Subbasin							
Year	GSA Allocations (af/yr)		Per-Acre Allocation (inches/ac/yr)				
	SY	TW	B-SY	Re-SY	TW	Total for Irr.	Total Non-irr.
2020	90,000	101,000	6	3	14.3	23.3	9
2021		98,980			14.0	23.0	9
2022		96,960			13.7	22.7	9
2023		94,940			13.4	22.4	9
2024		92,920			13.1	22.1	9
2025		90,900			12.8	21.8	9
Irrigated Acres = 85,000 Can access B-SY, Re-SY and TW							
Non-Irr. Opt-in acres = 35,000 Can access only B-SY and Re-SY							
Total GSA acres = 185,000							
<b>Per-Acre Allocation Terms:</b>							
<b>Base Sustainable Yield (B-SY)</b> - the quantity of sustainable yield of native groundwater when shared equally over all GSA acres at 6 in/ac/yr.							
<b>Re-allocated Sustainable Yield (Re-SY)</b> - the amount of Base Sustainable Yield remaining when considering GSA parcels that have chosen to opt-out. The quantity is divided and shared equally among the remaining opt-in parcels and added to the Base Sustainable Yield, estimated at 3 in/ac/yr.							
<b>Transition Water (TW)</b> - the annual quantity available to irrigated or non-irrigated lands. This quantity will decrease annually until zero. "Never-irrigated" lands are not eligible for Transition Water.							

**Option A – Using 2015 ETAW**

<b>Madera County GSA: Chowchilla Subbasin</b>							
	<b>GSA Allocations (af/yr)</b>		<b>Per-Acre Allocation (inches/ac/yr)</b>				
<b>Year</b>	<b>SY</b>	<b>TW</b>	<b>B-SY</b>	<b>Re-SY</b>	<b>TW</b>	<b>Total for Irr.</b>	<b>Total Non-irr.</b>
2020	22,500	58,110	6	0.5	18.4	24.9	6.5
2021		56,948			18.0	24.5	6.5
2022		55,786			17.6	24.1	6.5
2023		54,623			17.2	23.7	6.5
2024		53,461			16.9	23.4	6.5
2025		52,299			16.5	23.0	6.5
Irrigated Acres = 38,000    Can access B-SY, Re-SY and TW							
Non-Irr. Opt-in acres = 3,800    Can access only B-SY and Re-SY							
Total GSA acres = 45,000							
<b>Per-Acre Allocation Terms:</b>							
<b>Base Sustainable Yield (B-SY)</b> - the quantity of sustainable yield of native groundwater when shared equally over all GSA acres at 6 in/ac/yr.							
<b>Re-allocated Sustainable Yield (Re-SY)</b> - the amount of Base Sustainable Yield remaining when considering GSA parcels that have chosen to opt-out. The quantity is divided and shared equally among the remaining opt-in parcels and added to the Base Sustainable Yield, estimated at 0.5 in/ac/yr.							
<b>Transition Water (TW)</b> - the annual quantity available to irrigated or non-irrigated lands. This quantity will decrease annually until zero. "Never-irrigated" lands are not eligible for Transition Water.							

**Option A – Using 2015 ETAW**

<b>Madera County GSA: Delta Mendota Subbasin</b>							
	<b>GSA Allocations (af/yr)</b>		<b>Per-Acre Allocation (inches/ac/yr)</b>				
<b>Year</b>	<b>SY</b>	<b>TW</b>	<b>B-SY</b>	<b>Re-SY</b>	<b>TW</b>	<b>Total for Irr.</b>	<b>Total Non-irr.</b>
2020	1,500	2,000	6	2.6	11.4	20.0	0.0
2021		1,960			11.2	19.8	0.0
2022		1,920			11.0	19.6	0.0
2023		1,880			10.7	19.3	0.0
2024		1,840			10.5	19.1	0.0
2025		1,800			10.3	18.9	0.0
Irrigated Acres = 2,100			Can access B-SY, Re-SY and TW				
Non-Irr. Opt-in acres = 0			Can access only B-SY and Re-SY				
Total GSA acres = 3,000							
<b>Per-Acre Allocation Terms:</b>							
<b>Base Sustainable Yield (B-SY)</b> - the quantity of sustainable yield of native groundwater when shared equally over all GSA acres at 6 in/ac/yr.							
<b>Re-allocated Sustainable Yield (Re-SY)</b> - the amount of Base Sustainable Yield remaining when considering GSA parcels that have chosen to opt-out. The quantity is divided and shared equally among the remaining opt-in parcels and added to the Base Sustainable Yield, estimated at 2.6 in/ac/yr.							
<b>Transition Water (TW)</b> - the annual quantity available to irrigated or non-irrigated lands. This quantity will decrease annually until zero. "Never-irrigated" lands are not eligible for Transition Water.							

Option B – Using 2020 ETAW

Madera County GSA: Madera Subbasin							
	GSA Allocations (af/yr)		Per-Acre Allocation (inches/ac/yr)				
Year	SY	TW	B-SY	Re-SY	TW	Total for Irr.	Total Non-irr.
2020	90,000	113,000	6	3	16.0	25.0	9
2021		110,740			15.6	24.6	9
2022		108,480			15.3	24.3	9
2023		106,220			15.0	24.0	9
2024		103,960			14.7	23.7	9
2025		101,700			14.4	23.4	9
Irrigated Acres =			85,000	Can access B-SY, Re-SY and TW			
Non-Irr. Opt-in acres =			35,000	Can access only B-SY and Re-SY			
Total GSA acres =			185,000				
<b>Per-Acre Allocation Terms:</b>							
<b>Base Sustainable Yield (B-SY)</b> - the quantity of sustainable yield of native groundwater when shared equally over all GSA acres at 6 in/ac/yr.							
<b>Re-allocated Sustainable Yield (Re-SY)</b> - the amount of Base Sustainable Yield remaining when considering GSA parcels that have chosen to opt-out. The quantity is divided and shared equally among the remaining opt-in parcels and added to the Base Sustainable Yield, estimated at 3 in/ac/yr.							
<b>Transition Water (TW)</b> - the annual quantity available to irrigated or non-irrigated lands. This quantity will decrease annually until zero. "Never-irrigated" lands are not eligible for Transition Water.							

**Option B – Using 2020 ETAW**

<b>Madera County GSA: Chowchilla Subbasin</b>							
	<b>GSA Allocations (af/yr)</b>		<b>Per-Acre Allocation (inches/ac/yr)</b>				
<b>Year</b>	<b>SY</b>	<b>TW</b>	<b>B-SY</b>	<b>Re-SY</b>	<b>TW</b>	<b>Total for Irr.</b>	<b>Total Non-irr.</b>
2020	22,500	63,400	6	0.5	20.0	26.5	6.5
2021		62,132			19.6	26.1	6.5
2022		60,864			19.2	25.7	6.5
2023		59,596			18.8	25.3	6.5
2024		58,328			18.4	24.9	6.5
2025		57,060			18.0	24.5	6.5
Irrigated Acres = 38,000			Can access B-SY, Re-SY and TW				
Non-Irr. Opt-in acres = 3,800			Can access only B-SY and Re-SY				
Total GSA acres = 45,000							
<b>Per-Acre Allocation Terms:</b>							
<b>Base Sustainable Yield (B-SY)</b> - the quantity of sustainable yield of native groundwater when shared equally over all GSA acres at 6 in/ac/yr.							
<b>Re-allocated Sustainable Yield (Re-SY)</b> - the amount of Base Sustainable Yield remaining when considering GSA parcels that have chosen to opt-out. The quantity is divided and shared equally among the remaining opt-in parcels and added to the Base Sustainable Yield, estimated at 0.5 in/ac/yr.							
<b>Transition Water (TW)</b> - the annual quantity available to irrigated or non-irrigated lands. This quantity will decrease annually until zero. "Never-irrigated" lands are not eligible for Transition Water.							

**Option B – Using 2020 ETAW**

Madera County GSA: Delta Mendota Subbasin							
Year	GSA Allocations (af/yr)		Per-Acre Allocation (inches/ac/yr)				
	SY	TW	B-SY	Re-SY	TW	Total for Irr.	Total Non-irr.
2020	1,500	2,000	6	2.6	11.4	20.0	0.0
2021		1,960			11.2	19.8	0.0
2022		1,920			11.0	19.6	0.0
2023		1,880			10.7	19.3	0.0
2024		1,840			10.5	19.1	0.0
2025		1,800			10.3	18.9	0.0
Irrigated Acres = 2,100			Can access B-SY, Re-SY and TW				
Non-Irr. Opt-in acres = 0			Can access only B-SY and Re-SY				
Total GSA acres = 3,000							
<b>Per-Acre Allocation Terms:</b>							
<b>Base Sustainable Yield (B-SY)</b> - the quantity of sustainable yield of native groundwater when shared equally over all GSA acres at 6 in/ac/yr.							
<b>Re-allocated Sustainable Yield (Re-SY)</b> - the amount of Base Sustainable Yield remaining when considering GSA parcels that have chosen to opt-out. The quantity is divided and shared equally among the remaining opt-in parcels and added to the Base Sustainable Yield, estimated at 2.6 in/ac/yr.							
<b>Transition Water (TW)</b> - the annual quantity available to irrigated or non-irrigated lands. This quantity will decrease annually until zero. "Never-irrigated" lands are not eligible for Transition Water.							

Option C – Using 2020 ETAW and only SY/TW for Currently Irrigated Land

Madera County GSA: Madera Subbasin							
	GSA Allocations (af/yr)		Per-Acre Allocation (inches/ac/yr)				
Year	SY	TW	B-SY	Re-SY	TW	Total for Irr.	Total Non-irr.
2020	90,000	113,000	6	7	16.0	28.7	0
2021		110,740			15.6	28.3	0
2022		108,480			15.3	28.0	0
2023		106,220			15.0	27.7	0
2024		103,960			14.7	27.4	0
2025		101,700			14.4	27.1	0
Irrigated Acres =			85,000	Can access B-SY, Re-SY and TW			
Non-Irr. Opt-in acres =			0	Can access only B-SY and Re-SY			
Total GSA acres =			185,000				
<b>Per-Acre Allocation Terms:</b>							
<b>Base Sustainable Yield (B-SY)</b> - the quantity of sustainable yield of native groundwater when shared equally over all GSA acres at 6 in/ac/yr.							
<b>Re-allocated Sustainable Yield (Re-SY)</b> - the amount of Base Sustainable Yield remaining when considering GSA parcels that have chosen to opt-out. The quantity is divided and shared equally among the remaining opt-in parcels and added to the Base Sustainable Yield, estimated at 3 in/ac/yr.							
<b>Transition Water (TW)</b> - the annual quantity available to irrigated or non-irrigated lands. This quantity will decrease annually until zero. "Never-irrigated" lands are not eligible for Transition Water.							



Option C – Using 2020 ETAW and only SY/TW for Currently Irrigated Land

Madera County GSA: Chowchilla Subbasin							
		GSA Allocations (af/yr)		Per-Acre Allocation (inches/ac/yr)			
Year	SY	TW	B-SY	Re-SY	TW	Total for Irr.	Total Non-irr.
2020	22,500	63,400	6	1.1	20.0	27.1	0
2021		62,132			19.6	26.7	0
2022		60,864			19.2	26.3	0
2023		59,596			18.8	25.9	0
2024		58,328			18.4	25.5	0
2025		57,060			18.0	25.1	0
Irrigated Acres =			38,000	Can access B-SY, Re-SY and TW			
Non-Irr. Opt-in acres =			0	Can access only B-SY and Re-SY			
Total GSA acres =			45,000				
<b>Per-Acre Allocation Terms:</b>							
<b>Base Sustainable Yield (B-SY)</b> - the quantity of sustainable yield of native groundwater when shared equally over all GSA acres at 6 in/ac/yr.							
<b>Re-allocated Sustainable Yield (Re-SY)</b> - the amount of Base Sustainable Yield remaining when considering GSA parcels that have chosen to opt-out. The quantity is divided and shared equally among the remaining opt-in parcels and added to the Base Sustainable Yield, estimated at 0.5 in/ac/yr.							
<b>Transition Water (TW)</b> - the annual quantity available to irrigated or non-irrigated lands. This quantity will decrease annually until zero. "Never-irrigated" lands are not eligible for Transition Water.							

Option C – Using 2020 ETAW and only SY/TW for Currently Irrigated Land

Madera County GSA: Delta Mendota Subbasin							
	GSA Allocations (af/yr)		Per-Acre Allocation (inches/ac/yr)				
Year	SY	TW	B-SY	Re-SY	TW	Total for Irr.	Total Non-irr.
2020	1,500	2,000	6	2.6	11.4	20.0	0
2021		1,960			11.2	19.8	0
2022		1,920			11.0	19.6	0
2023		1,880			10.7	19.3	0
2024		1,840			10.5	19.1	0
2025		1,800			10.3	18.9	0
Irrigated Acres = 2,100			Can access B-SY, Re-SY and TW				
Non-Irr. Opt-in acres = 0			Can access only B-SY and Re-SY				
Total GSA acres = 3,000							
<b>Per-Acre Allocation Terms:</b>							
<b>Base Sustainable Yield (B-SY)</b> - the quantity of sustainable yield of native groundwater when shared equally over all GSA acres at 6 in/ac/yr.							
<b>Re-allocated Sustainable Yield (Re-SY)</b> - the amount of Base Sustainable Yield remaining when considering GSA parcels that have chosen to opt-out. The quantity is divided and shared equally among the remaining opt-in parcels and added to the Base Sustainable Yield, estimated at 2.6 in/ac/yr.							
<b>Transition Water (TW)</b> - the annual quantity available to irrigated or non-irrigated lands. This quantity will decrease annually until zero. "Never-irrigated" lands are not eligible for Transition Water.							