

TM 6, Rev 3 - Table Update													
Table 1. Maximum Potential Spill Over of Water from SRA to CVA for Below Normal and Normal Precipitation													
Case 1: Maximum Potential Spillover of Water from SRA to CVA (cfs) for Below Normal Precipitation (WY 1987)													
	Oct-86	Nov-86	Dec-86	Jan-87	Feb-87	Mar-87	Apr-87	May-87	Jun-87	Jul-87	Aug-87	Sep-87	
Indirect	Case 1a: Below Normal w/ September Ranch (cfs)	0.000	-0.019	-0.061	-0.178	-0.359	-0.224	-0.001	0.000	0.000	0.000	0.000	0.000
	Case 1b: Below Normal w/o September Ranch (cfs)	0	-0.052	-0.094	-0.211	-0.392	-0.257	-0.034	-0.024	0	0	0	0
	Difference (Case 1a minus Case 1b)	0.000	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033	-0.024	0.000	0.000	0.000	0.000
Direct	Actual Sept Ranch Pumping (cfs)	-0.140	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033	-0.140	-0.140	-0.140	-0.140
	WY 1987 Monthly Mean Flow in the Carmel River (cfs)	0	0	0	0	36.11	60.88	18.42	0	0	0	0	0
Case 2: Maximum Potential Spillover of Water from SRA to CVA (cfs) for Normal Precipitation (WY 2001)													
	Oct-00	Nov-00	Dec-00	Jan-01	Feb-01	Mar-01	Apr-01	May-01	Jun-01	Jul-01	Aug-01	Sep-01	
Indirect	Case 2a: Normal Precipitation WITH September Ranch	0.496	0.032	0.019	1.156	0.868	0.548	0.454	0	0	0	0	0
	Case 2b: Normal Precipitation WITHOUT September Ranch	0.635	0.066	0.052	1.189	0.904	0.581	0.488	0	0	0	0	0.022
	Difference (Case 2a minus Case 2b)	0.14	0.034	0.033	0.033	0.037	0.033	0.034	0	0	0	0	0.022
Direct	Actual Sept Ranch Pumping (cfs)	-0.140	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033	-0.140	-0.140	-0.140	-0.140
	WY 2001 Monthly Mean Flow in the Carmel River (cfs)	0.14*	7.08	9.71	86.07	186.5	373.29	92	38.19	5.73	0	0	0
* Average of 30 days of 0 cfs flow and one day of 4.4 cfs flow for Oct 2000													
Table 2. Maximum Potential Impact to CVA from September Ranch and Proposed Projects for Below Normal and Normal Precipitation													
Case 1: Below Normal Precipitation (WY 1987)													
Month ->	Oct-86	Nov-86	Dec-86	Jan-87	Feb-87	Mar-87	Apr-87	May-87	Jun-87	Jul-87	Aug-87	Sep-87	
Indirect	Difference (Case 1b minus Case 1a) i.e. Maximum Potential Decrease in Flow (cfs) in Carmel River as a Result of September Ranch Additional Pumping From Potential Projects in CVA (cfs)	-0.275	-0.066	-0.066	-0.066	-0.066	-0.066	-0.066	-0.066	-0.275	-0.275	-0.275	-0.275
	Maximum Potential Impact = Maximum Potential Spillover Decrease into CVA as a Result of September Ranch (57.21 AFY) plus Additional Pumping from Potential Projects w/Dow (112.9 AFY) in CVA (cfs)*	-0.275	-0.098	-0.099	-0.099	-0.099	-0.099	-0.099	-0.09	-0.275	-0.275	-0.275	-0.275
	Maximum Potential Impact (cfs)= Maximum Potential Spillover Decrease into CVA as a Result of September Ranch (57.21 AFY) plus Additional Pumping from Potential Projects w/o Dow (95 AFY) in CVA (cfs)	-0.232	-0.088	-0.088	-0.088	-0.088	-0.088	-0.088	-0.080	-0.232	-0.232	-0.232	-0.232
Direct	Actual Sept Ranch Pumping (cfs)	-0.140	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033	-0.140	-0.140	-0.140	-0.140
	Actual Pumping - Sept Ranch = 57.21 AFY and Other project w/o Dow ** =95 AFY (cfs)	0.371	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.371	0.371	0.371	0.371
	Actual Pumping - Sept Ranch = 54.21 AFY and Other project w/o Dow ** =95 AFY (cfs)	0.364	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.364	0.364	0.364	0.364
	Monthly Mean Flow in the Carmel River (cfs)	0	0	0	0	36.11	60.88	18.42	0	0	0	0	0
* Conversion from cfs to AF/yr will result in a Total AF/yr = 124.12 where 112.9 AF/yr is attributable to Additional Proposed Projects and 11.22 AF/yr is attributable to reduced potential maximum spillover from SRA to CVA as a result of the September Ranch project. These monthly negative values reflects that water is, overall, coming out of the SRA or CVA, albeit at a modest level when compared to the other pumping that													
** Monterey County Planning Staff have indicated that the Dow project is not likely to occur in the foreseeable future.													

Table 3. Maximum Potential Impact to CVA from September Ranch and Proposed Projects for Below Normal and Normal Precipitation												
Case 2: Normal Precipitation (WY 2001)												
Month -->	Oct-00	Nov-00	Dec-00	Jan-01	Feb-01	Mar-01	Apr-01	May-01	Jun-01	Jul-01	Aug-01	Sep-01
Difference (Case 2b minus Case 2a) i.e. Maximum Potential Decrease in Flow (cfs) in Carmel River as a Result of September Ranch	0.14	0.034	0.033	0.033	0.037	0.033	0.034	0	0	0	0	0.022
Additional Pumping From Potential Projects in CVA (cfs)	-0.275	-0.066	-0.066	-0.066	-0.066	-0.066	-0.066	-0.066	-0.275	-0.275	-0.275	-0.275
Maximum Potential Impact = Maximum Potential Spillover Decrease into CVA as a Result of September Ranch (57.21 AFY) plus Additional Pumping from Potential Projects in CVA w/ Dow (112.9 AFY)(cfs)*	-0.136	-0.031	-0.032	-0.032	-0.029	-0.032	-0.031	-0.066	-0.275	-0.275	-0.275	-0.253
Maximum Potential Impact = Maximum potential spillover decrease into CVA as a result of SR (57.21 AFY) plus additional pumping from potential projects in CVA w/o Dow (95 AFY)(cfs)	-0.092	-0.021	-0.022	-0.022	-0.018	-0.022	-0.021	-0.055	-0.232	-0.232	-0.232	-0.210
Actual Sept Ranch Pumping (cfs)	-0.140	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033	-0.033	-0.140	-0.140	-0.140	-0.140
Actual Pumping - Sept Ranch = 57.21 AFY and Other project w/o Dow ** =95 AFY (cfs)	0.371	0.088	0.088	0.088	0.088	0.088	0.088	0.088	0.371	0.371	0.371	0.371
Actual Pumping - Sept Ranch = 54.21 AFY and Other project w/o Dow ** =95 AFY (cfs)	0.364	0.087	0.087	0.087	0.087	0.087	0.087	0.087	0.364	0.364	0.364	0.364
Monthly Mean Flow in the Carmel River- WY 2001 (cfs)	0.14***	7.08	9.71	86.07	186.5	373.29	92	38.19	5.73	0	0	0
* The distribution and quantity of rainfall and recharge during WY 2001 is such that the calculation results in a total AF/yr = -88.55 when converted from cfs to AF/month which is less than the -124.12 AF/Yr for the below normal maximum potential impact because of the higher rainfall and recharge. That there are negative monthly values indicate that water is, overall, coming out of the SRA and/or CVA.												
** Monterey County Planning Staff have indicated that the Dow project is not likely to occur in the foreseeable future.												
*** Average of 30 days of 0 cfs flow and one day of 4.4 cfs flow for Oct 2000												
Calc from line 145 of tab 1006_Monthly-WY87-96-97-01												