

**APPENDIX B
WATER RIGHTS**

Water Rights and Pumping Rates used for Delineation of Wellhead Protection Areas

Well Name	Water Right	Priority Date	Primary or Supplemental	Maximum Instantaneous Flow Rate (Qi) gpm		Maximum Annual Volume (Qa) ac-ft/yr		Annual Pump Rates (gpm)	Assigned Weights ¹	Sustainable Rate (WHPP, 1997)		2013 - Water Right Qa		2013 Modeled Rates, Water right Qa	Comments on modeled rates	
				Primary	Suppl.	Primary	Suppl.			(gpm)	(ft3/day)	(gpm)	(ft3/day)			
Palermo 1	857-D	1/1/1931	P	220		1										
Palermo 2	858-D	5/1/1939	P	350		423										
Palermo 3	859-D	10/1/1944	P	250		135										
	3547-A	2/25/1959	P	55		13										
Palermo 4	547-A	4/23/1949	P	750		250										
Palermo 5	5402 A	5/11/1965	P/S	500		91	709									
Palermo 1-6 & 8	G2-26816P	10/14/1985	P/S	980	2,070	2,100										
Subtotal: Palermo Wellfield				3,105		3,013		1,868		2,020	388,850	1,868	359,554	359,554		
Port 9	GWC 2924-A	6/18/1948	P	25		6.32		3.92	0.002			17	3,308	33,773	Combined	
Port 9	GWC 2723-A	6/27/1955	P	74		20.4		12.65	0.008							
Port 9	GWC 480	11/28/1947	P	30		1		0.62	0.000							
Port 9	GWP 7278	8/30/1965	P	2,500		2,454		1,521.28	0.104	400	77,000	158	30,465			
Port 10									0.126	485	93,363	192	36,938			36,938
Port 11									0.072	275	52,938	109	20,944			20,944
Bush 14									0.490	1,885	362,874	746	143,569	Total combined for Bush 14 in the Port wellfield section		
Port 15	0.208	800	154,000	317	60,929	60,929	Combined with 50% of water right "G2-00271C"									
Port 11, 13 & 15	G2-00271C	12/12/1968	P	600		60		37.20	0.024			37	7,160	Well 13 not active, water right split evenly between well 11 and well 15		
Subtotal: Port Wellfield				3,229		2,541.72		1,575.66	1	3,845	740,174	1576	303,314	152,585		
Bush 12	G2-25607 P	5/13/1980	P/S		450	102		63.23						26,731	Combined	
Bush 12	G2-24504	4/13/1977	P	100		32		19.84								
Bush 12	G2-24255	8/15/1976	P	350		90		55.79								
Bush 12	G2-28195	3/29/1991	S		910											
Bush 14	G2-26815	10/14/1985	S	250												
Bush 14	C-7582	4/10/1968	P	500		750		464.94				465	89,501	233,070	Combined with water right "GWP 7278"	
Subtotal: Bush Middle School Wellfield				1,200		974		603.80		3,100	596,750	604	116,231	259,801		
Lakeland Manor	C-6691A	12/5/1968	P	100		40		24.80				25	4,773	4,773	Not Modelled	
Lathrop Business Park	G2-25876	4/27/1981	P	300		70		43.39				43	8,353	8,353	Not Modelled	
Tumwater Golf Course	G2-01071	9/9/1970	P	2,000		400		247.97				248	47,734	47,734	Not Modelled	
Total City Water Rights				9,934		7,039		4,363.43				4,363	839,960	839,960		

Proposed Water Rights - Pumping Rates used for WHPP

SW Wellfield (Test Well)	G2-30229 (application)	2/11/2005	P	2,226		2,154		1,335.30				1335	256,988	256,988	
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*1 - Assigned weights are based on the sustainable pumping rates from the 1997 WHPP report and distributed to equal water rights annual.