

# Appendix B Design Concentrations, 1997-2017

Design Concentrations, 1997-2017

Year Period	Count	Max	2nd Max	3rd Max	4th Max	5th Max	6th Max	Nth Max	Design Conc	DC (flagged, concurred removed)	Flagged dates	Flagged value	Concurred (*)	Notes:
1995_1996_1997	180	210	160	<b>148</b>	127			1	210	<b>148</b>	6/21/1997	160		7/3/1997 value 210 not flagged <sup>1</sup>
1996_1997_1998	178	215	210	160	<b>148</b>			1	215	<b>148</b>	7/10/1998	215		<b>Wallula Farm 1995-2002</b>
1997_1998_1999	174	297	215	210	160	<b>135</b>		1	297	<b>135</b>	6/23/1999	297		6/23/1999 Wallula Farm
1998_1999_2000	173	297	215	215	<b>135</b>			1	297	<b>135</b>	8/10/2000	215		8/10/2000 Wallula Farm
1999_2000_2001	172	297	215	<b>126</b>	109			1	297	<b>126</b>	5/2/2002	134		5/2/2002 Wallula Farm
2000_2001_2002	174	215	197	134	<b>126</b>			1	215	<b>126</b>	9/29/2002	197		9/29/2002 Wallula Farm <sup>2</sup>
2001_2002_2003	229	197	134	<b>109</b>	99			1	197	<b>109</b>	10/30/2003	282	*	<b>Burbank: 2003-2010</b>
2002_2003_2004	350	197	134	83	<b>71</b>			2	134	<b>71</b>	4/27/2004	249	*	10/30/2003 Burbank
2003_2004_2005	651	145	<b>116</b>	111	103			2	116	<b>116</b>	3/12/2005	203	*	3/12/2005 Burbank
2004_2005_2006	899	145	136	<b>131</b>	124			3	131	<b>131</b>	3/29/2005	164	*	3/29/2005 Burbank
2005_2006_2007	1057	169	145	136	131	<b>124</b>		4	131	<b>124</b>	4/9/2007	169		4/9/2007 169 above the NAAQS; not flagged
2006_2007_2008	1040	169	168	136	<b>131</b>			3	136	<b>131</b>	10/4/2009	289		
2007_2008_2009	1015	169	168	112	<b>107</b>			3	112	<b>107</b>	8/28/2011	158		<b>Kennewick 2011-2017</b>
2008_2009_2010	1041	168	112	<b>107</b>	105			3	107	<b>107</b>	9/15/2013	226	*	
2009_2010_2011	1014	158	112	107	<b>87</b>			3	107	<b>87</b>	10/28/2013	222	*	
2010_2011_2012	1029	158	112	112	<b>89</b>			3	112	<b>89</b>	11/2/2013	619	*	
2011_2012_2013	987	158	112	92	<b>89</b>			3	92	<b>89</b>	1/11/2014	215		
2012_2013_2014	993	215	130	112	<b>104</b>			3	112	<b>104</b>	8/14/2015	589	*	
2013_2014_2015	968	332	215	208	130	113	<b>104</b>	3	208	<b>104</b>	10/30/2015	208		
2014_2015_2016	974	332	215	208	130	113	<b>104</b>	3	208	<b>104</b>	11/17/2015	332		

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2015_2016_2017	1020	332	208	196	113	106	<b>102</b>	3	196	<b>102</b>	9/5/2017	261	*	
											9/6/2017	207	*	
											9/7/2017	196		

***Bold, italics is Design Concentration***

<sup>1</sup> 7/3/1997 value 210 not flagged, but identified as natural event see note in original plan (127 noted in first plan) Note in 2005 plan: Wallula Design Values, 1995-2003, Table Look-up Method, Revised September 23, 2004\*Since the first high (210) for 1977 is actually an exceptional event-though EPA and Ecology have built an attainment plan around it-and the second high (160) is a natural event, the third high (127) is provided in parenthesis. If the 1997 first and second maxima are discounted, this is also the design value.

Wallula Port was a trial location; not the compliance monitor. Some values of interest:

- 10/30/2003 value of 134 was below NAAQS but concurred upon
- 11/11/2003 218

Also of note: 7/10/2008: Value of 168 at Burbank not flagged; Farm was still the compliance monitor