

# **Appendix O**

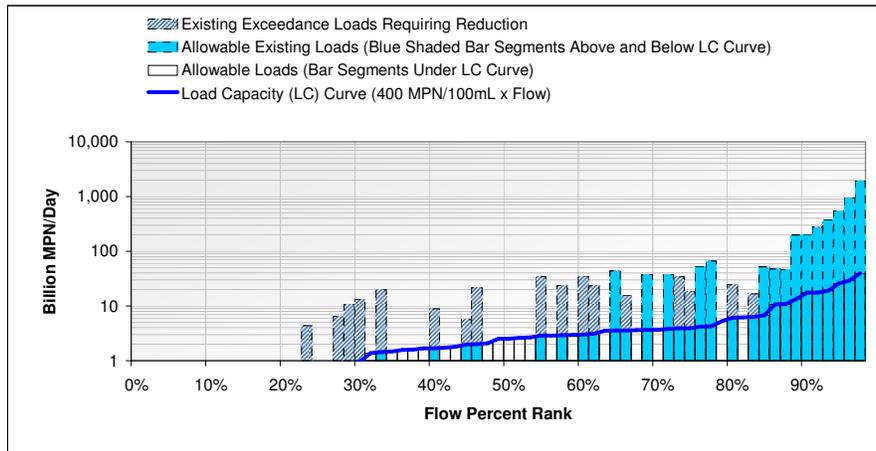
## **Wet Weather Bacteria Load Duration Curves**

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## **San Joaquin Hills HSA/Laguna Beach HSA** Load Duration Curves

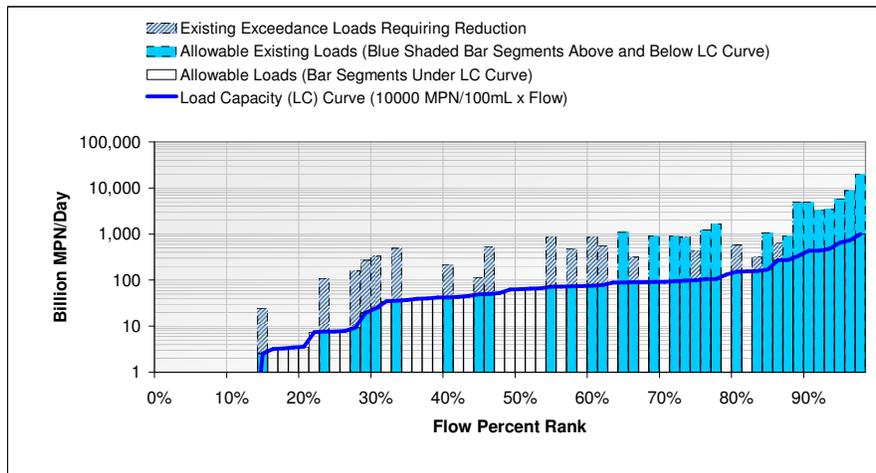
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**Table O-1. Subwatershed 101 Fecal Coliform Load Duration Curve**



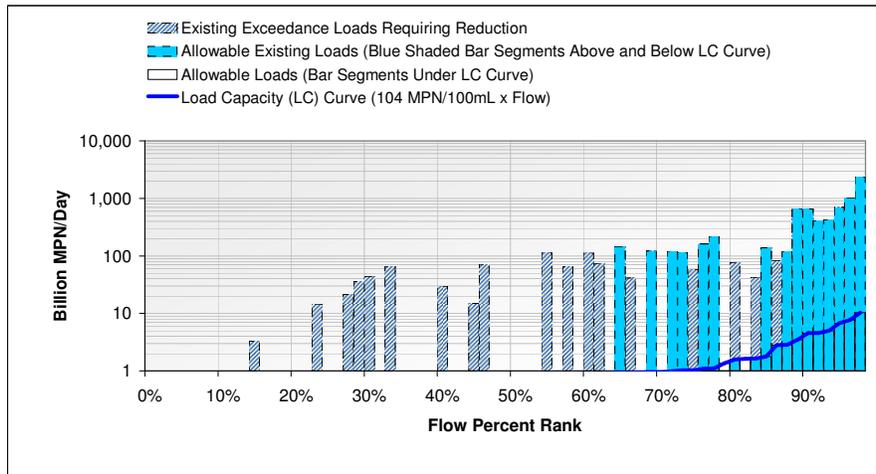
<b>Subwatershed 101 Fecal Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	69	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	33	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	15	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	18	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>5,179</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	255	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	4,651	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>4,906</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>272</b>	<b>Billion MPN/Year</b>

**Table O-2. Subwatershed 101 Total Coliform Load Duration Curve**



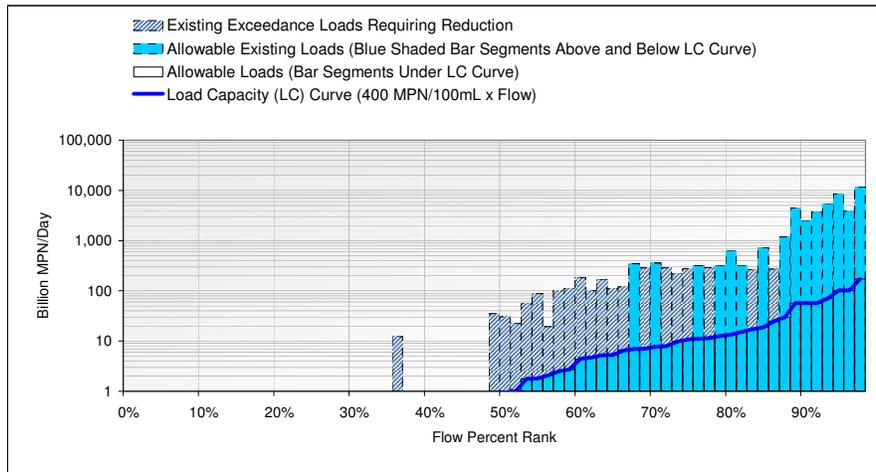
<b>Subwatershed 101 Total Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	69	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	33	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	15	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	18	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>67,350</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	6,386	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	54,954	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>61,340</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>6,010</b>	<b>Billion MPN/Year</b>

**Table O-3. Subwatershed 101 Enterococcus Load Duration Curve**



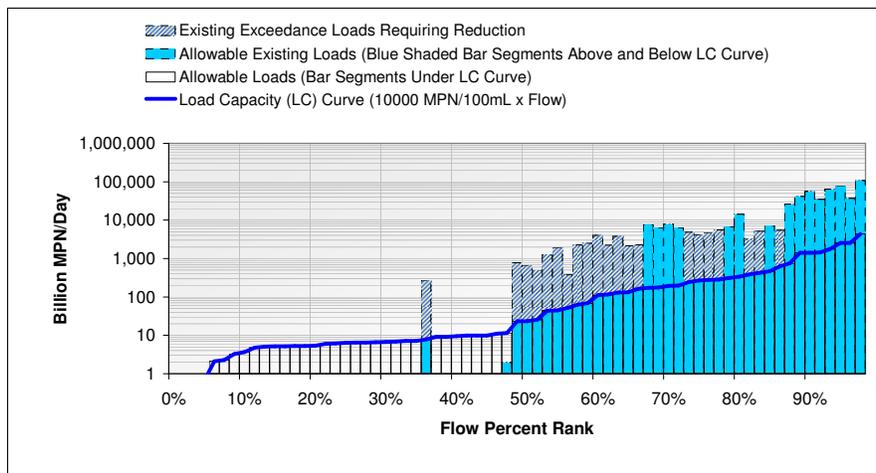
<b>Subwatershed 101 Enterococcus Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	69	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	33	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	15	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	18	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>8,374</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	66	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	7,356	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>7,422</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>952</b>	<b>Billion MPN/Year</b>

**Table O-4. Subwatershed 103 Fecal Coliform Load Duration Curve**



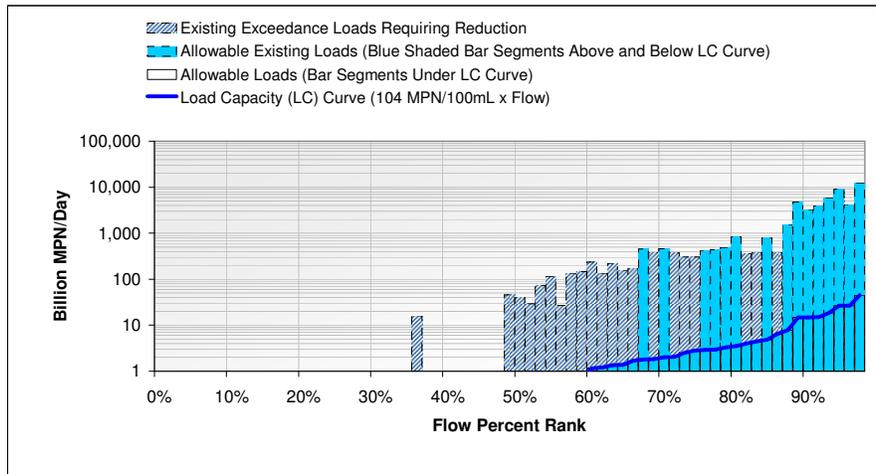
<b>Subwatershed 103 Fecal Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	69	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	36	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	15	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	21	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>47,497</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	864	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	43,703	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>44,568</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>2,930</b>	<b>Billion MPN/Year</b>

**Table O-5. Subwatershed 103 Total Coliform Load Duration Curve**



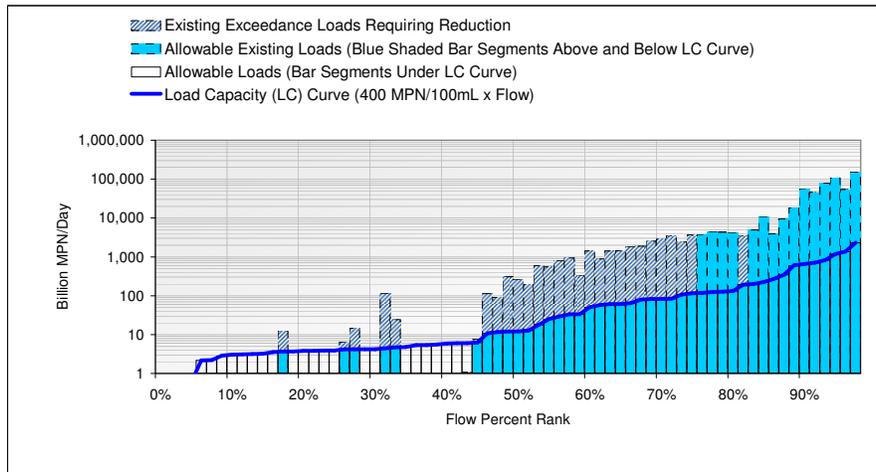
<b>Subwatershed 103 Total Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	69	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	36	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	15	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	21	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>561,319</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	21,610	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	484,661	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>506,271</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>55,048</b>	<b>Billion MPN/Year</b>

**Table O-6. Subwatershed 103 Enterococcus Load Duration Curve**



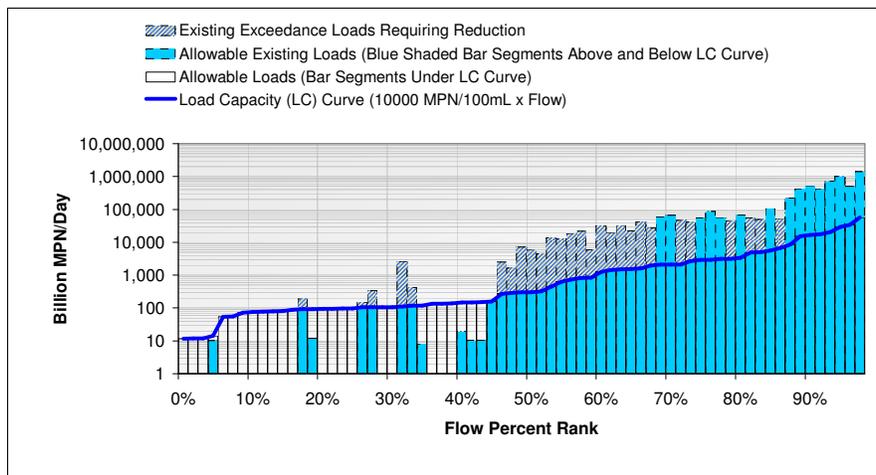
<b>Subwatershed 103 Enterococcus Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	69	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	37	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	15	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	22	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>52,977</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	225	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	48,772	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>48,997</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>3,980</b>	<b>Billion MPN/Year</b>

**Table O-7. Subwatershed 104 Fecal Coliform Load Duration Curve**



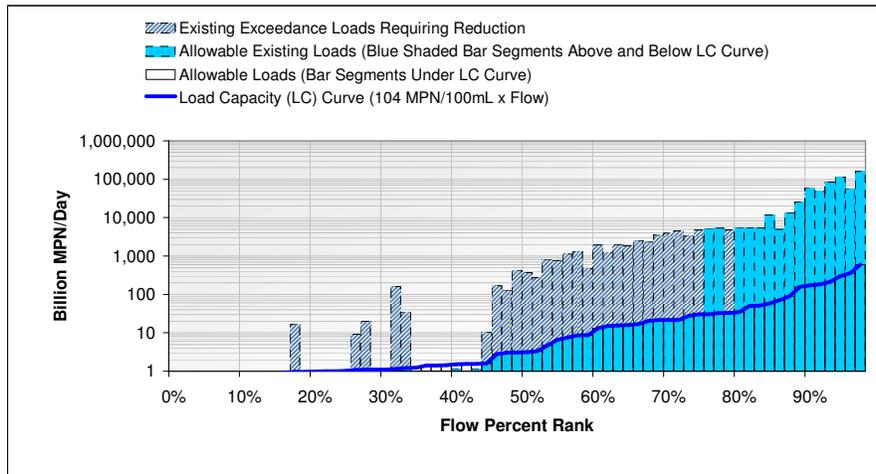
<b>Subwatershed 104 Fecal Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	69	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	43	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	15	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	28	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>592,496</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	10,417	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	551,370	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>561,787</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>30,709</b>	<b>Billion MPN/Year</b>

**Table O-8. Subwatershed 104 Total Coliform Load Duration Curve**



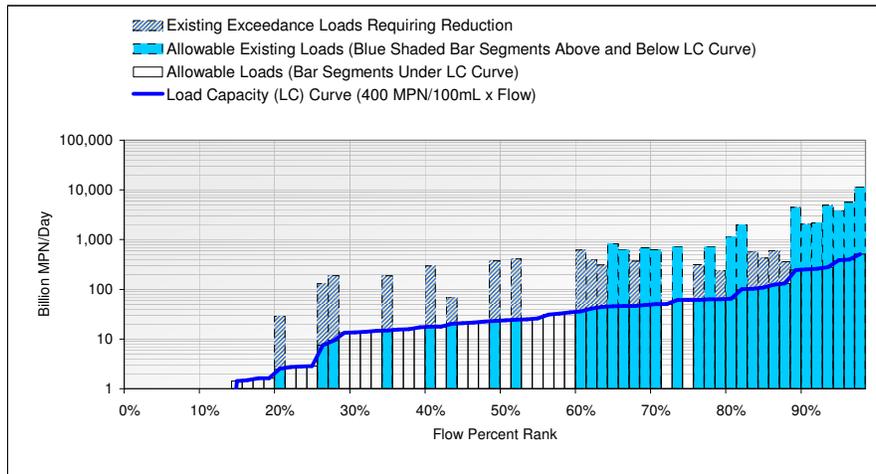
<b>Subwatershed 104 Total Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	69	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	43	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	15	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	28	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>6,278,214</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	260,396	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	5,489,973	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>5,750,369</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>527,845</b>	<b>Billion MPN/Year</b>

**Table O-9. Subwatershed 104 Enterococcus Load Duration Curve**



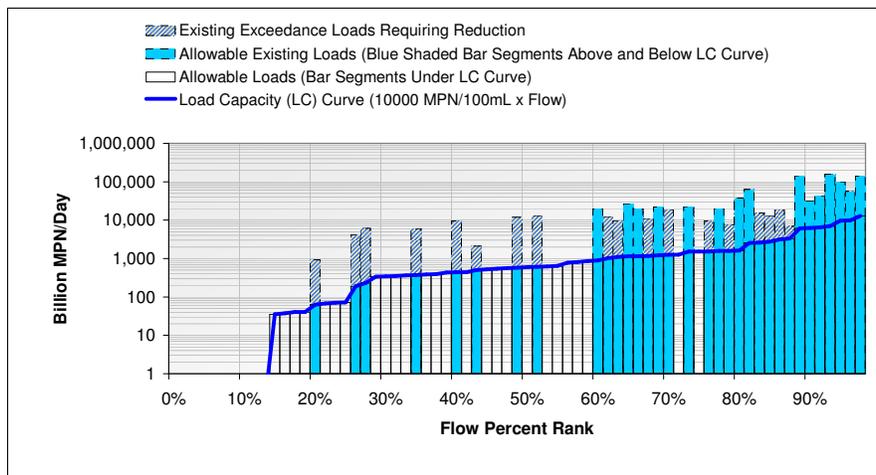
<b>Subwatershed 104 Enterococcus Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	69	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	44	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	15	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	29	Days
<b>Total Existing Load for Existing Condition (Sum of All Shaded Bar Segments)</b>	<b>650,651</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	2,712	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	605,227	Billion MPN/Year
<b>Total Allowable Load [TMDL] (Sum of Allowable Load and Allowable Exceedance Load)</b>	<b>607,939</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction (Total Existing Load - Total Allowable Load)</b>	<b>42,711</b>	<b>Billion MPN/Year</b>

**Table O-10. Subwatershed 105 Fecal Coliform Load Duration Curve**



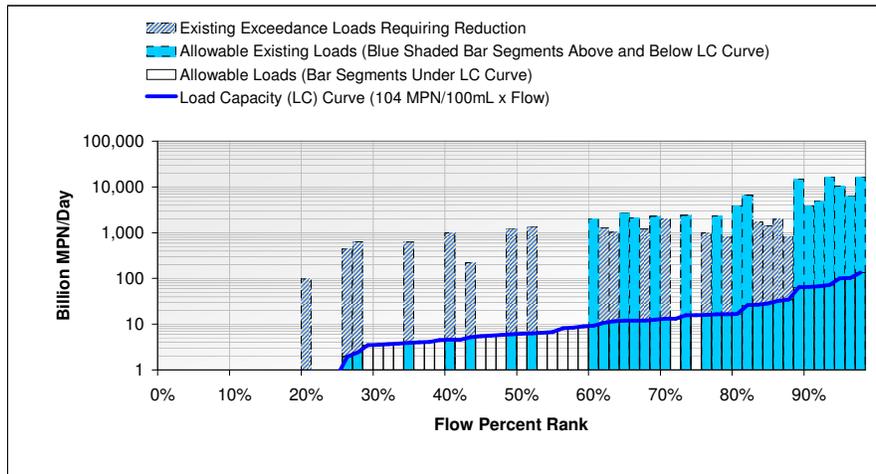
<b>Subwatershed 105 Fecal Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	69	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	33	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	15	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	18	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>47,842</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	3,688	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	39,125	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>42,814</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>5,029</b>	<b>Billion MPN/Year</b>

**Table O-11. Subwatershed 105 Total Coliform Load Duration Curve**



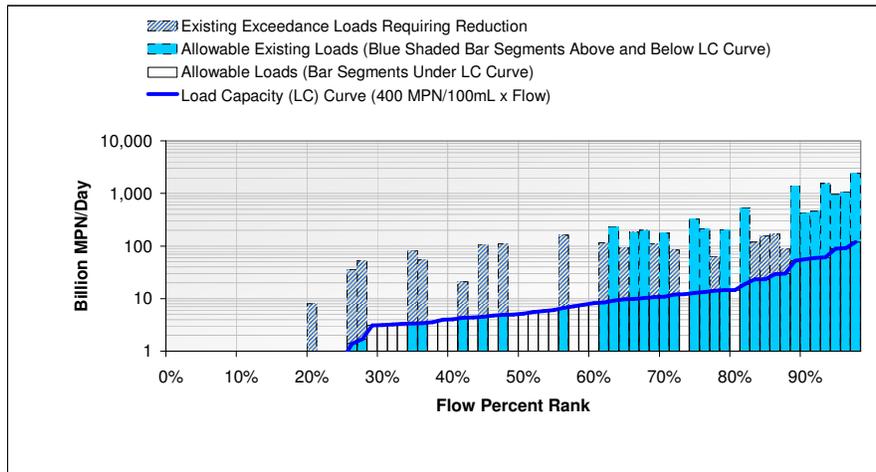
<b>Subwatershed 105 Total Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	69	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	33	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	15	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	18	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>1,076,489</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	92,211	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	829,984	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>922,195</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>154,294</b>	<b>Billion MPN/Year</b>

**Table O-12. Subwatershed 105 Enterococcus Load Duration Curve**



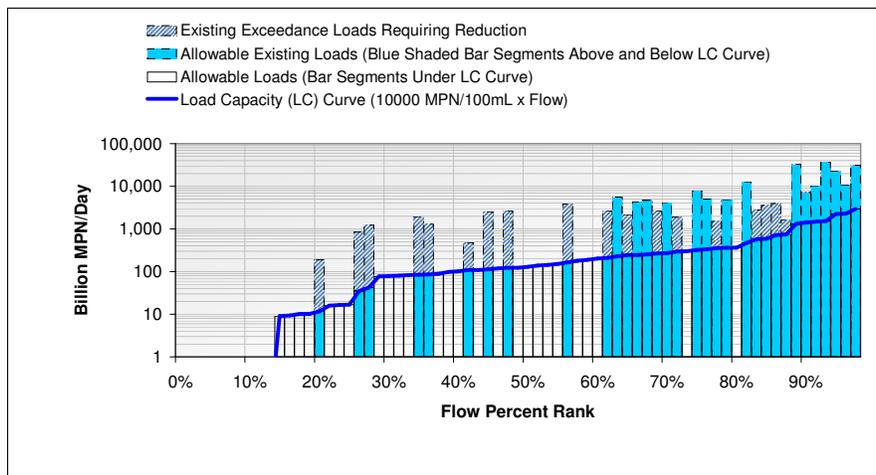
<b>Subwatershed 105 Enterococcus Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	69	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	33	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	15	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	18	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>117,393</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	959	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	97,724	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>98,683</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>18,710</b>	<b>Billion MPN/Year</b>

**Table O-13. Subwatershed 106 Fecal Coliform Load Duration Curve**



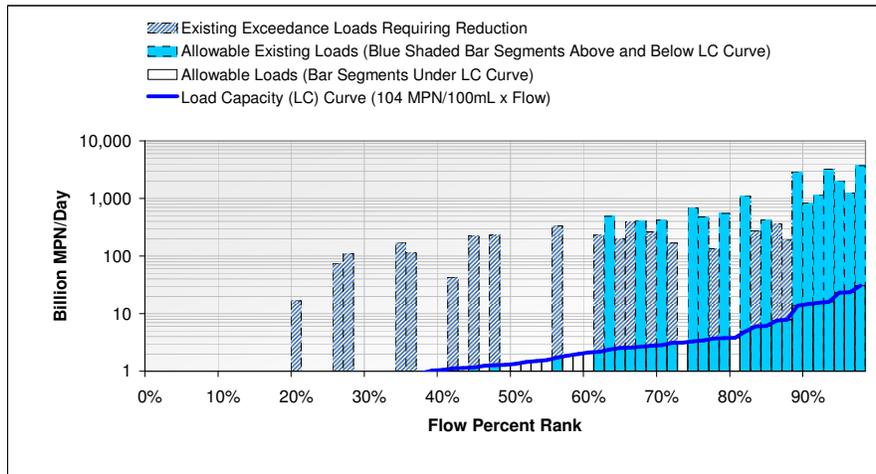
<b>Subwatershed 106 Fecal Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	69	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	33	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	15	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	18	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>12,001</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	818	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	9,742	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>10,559</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>1,441</b>	<b>Billion MPN/Year</b>

**Table O-14. Subwatershed 106 Total Coliform Load Duration Curve**



<b>Subwatershed 106 Total Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	69	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	33	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	15	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	18	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>238,530</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	20,446	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	185,029	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>205,475</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>33,055</b>	<b>Billion MPN/Year</b>

**Table O-15. Subwatershed 106 Enterococcus Load Duration Curve**

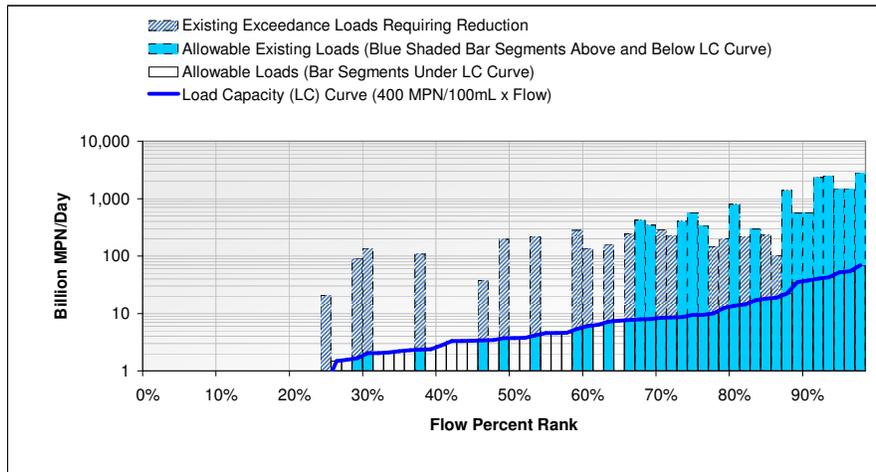


<b>Subwatershed 106 Enterococcus Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	69	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	33	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	15	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	18	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>23,254</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	213	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	19,545	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>19,757</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>3,496</b>	<b>Billion MPN/Year</b>

**Aliso HSA**  
Load Duration Curves

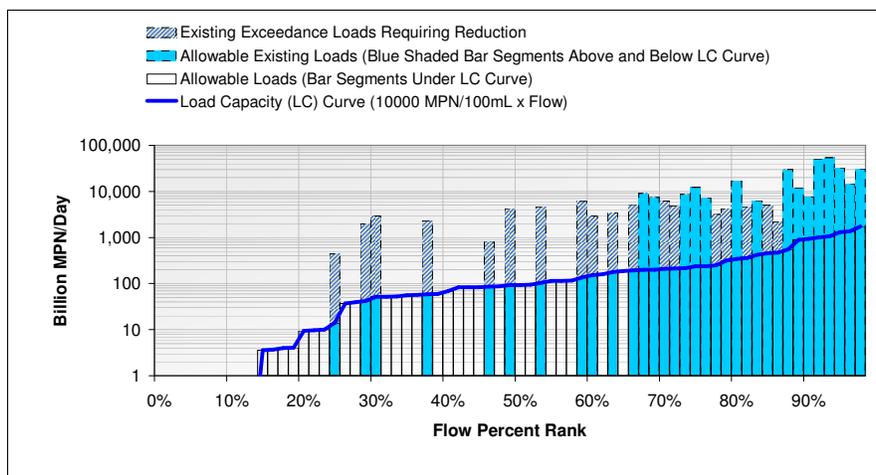
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**Table O-16. Subwatershed 201 Fecal Coliform Load Duration Curve**



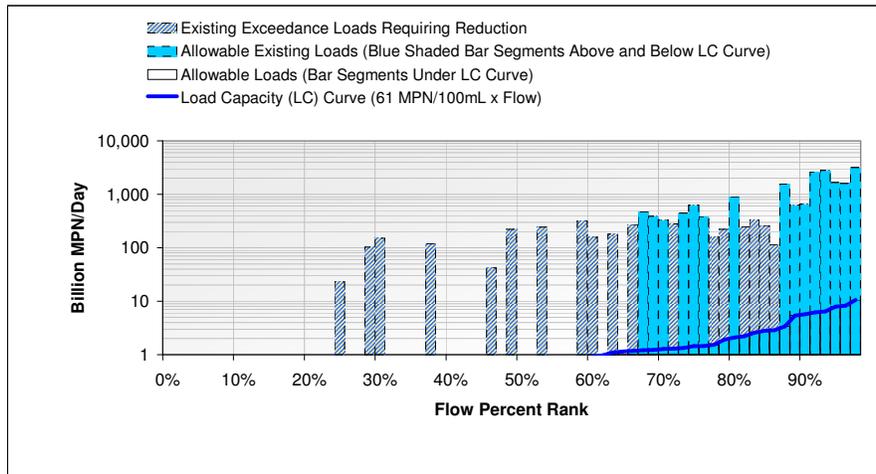
<b>Subwatershed 201 Fecal Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	69	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	33	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	15	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	18	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>19,386</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	563	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	15,917	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>16,480</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>2,907</b>	<b>Billion MPN/Year</b>

**Table O-17. Subwatershed 201 Total Coliform Load Duration Curve**



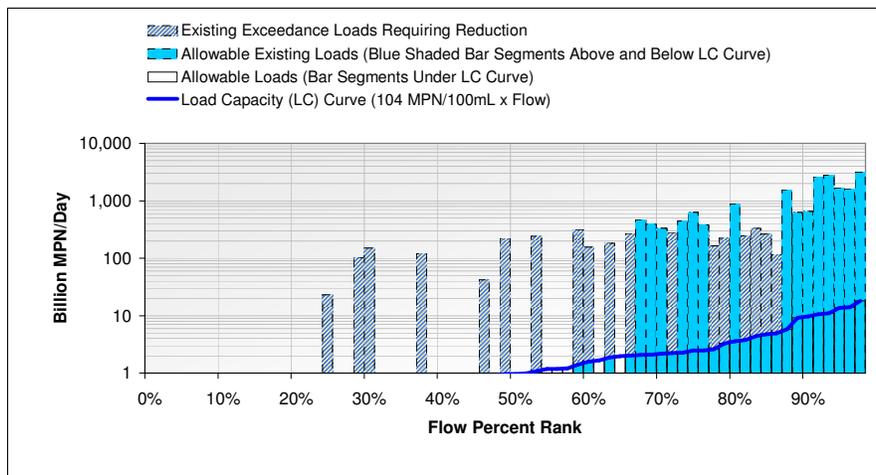
<b>Subwatershed 201 Total Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	69	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	33	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	15	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	18	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>364,715</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	14,080	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	288,838	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>302,919</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>61,796</b>	<b>Billion MPN/Year</b>

**Table O-18a. Subwatershed 201 Enterococcus (61) Load Duration Curve**



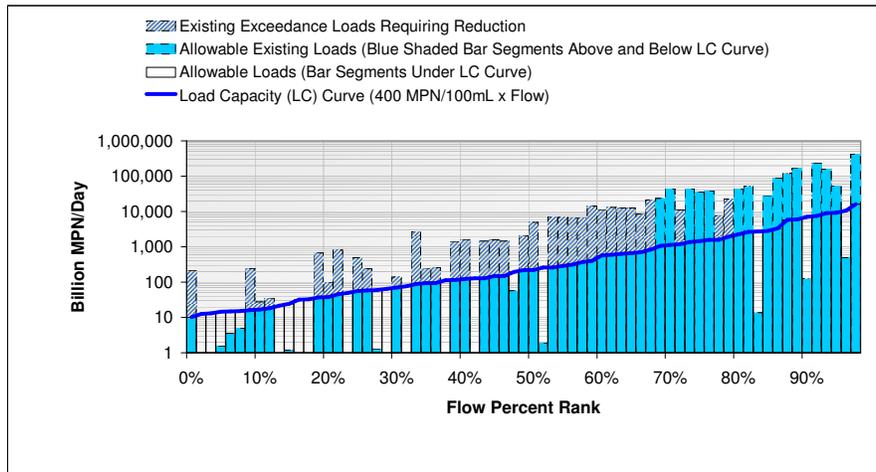
<b>Subwatershed 201 Enterococcus (61) Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	69	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	33	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	15	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	18	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>21,646</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	86	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	18,138	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>18,224</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>3,422</b>	<b>Billion MPN/Year</b>

**Table O-18b. Subwatershed 201 Enterococcus (104) Load Duration Curve**



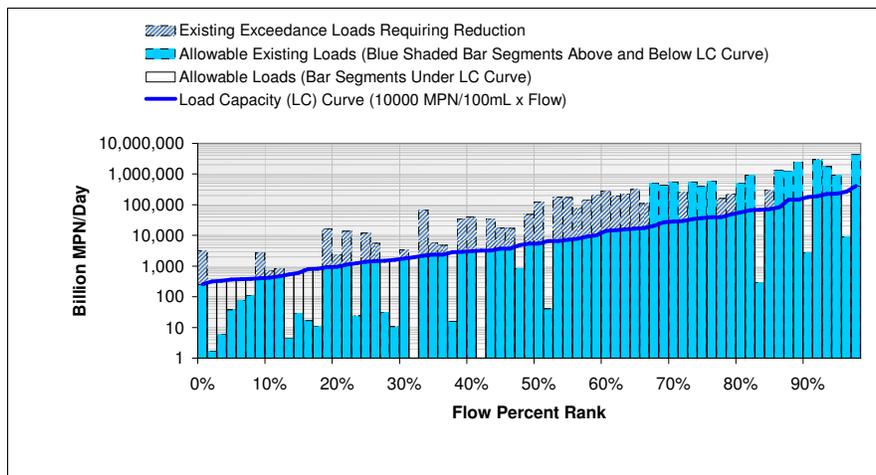
<b>Subwatershed 201 Enterococcus (104) Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	69	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	33	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	15	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	18	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>21,646</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	146	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	18,093	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>18,239</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>3,407</b>	<b>Billion MPN/Year</b>

**Table O-19. Subwatershed 202 Fecal Coliform Load Duration Curve**



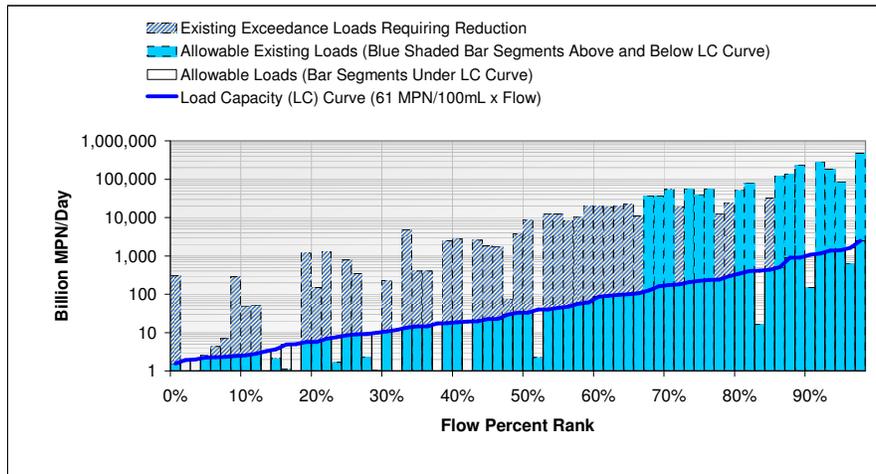
<b>Subwatershed 202 Fecal Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	69	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	49	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	15	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	34	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>1,732,709</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	83,999	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	1,478,595	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>1,562,594</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>170,116</b>	<b>Billion MPN/Year</b>

**Table O-20. Subwatershed 202 Total Coliform Load Duration Curve**



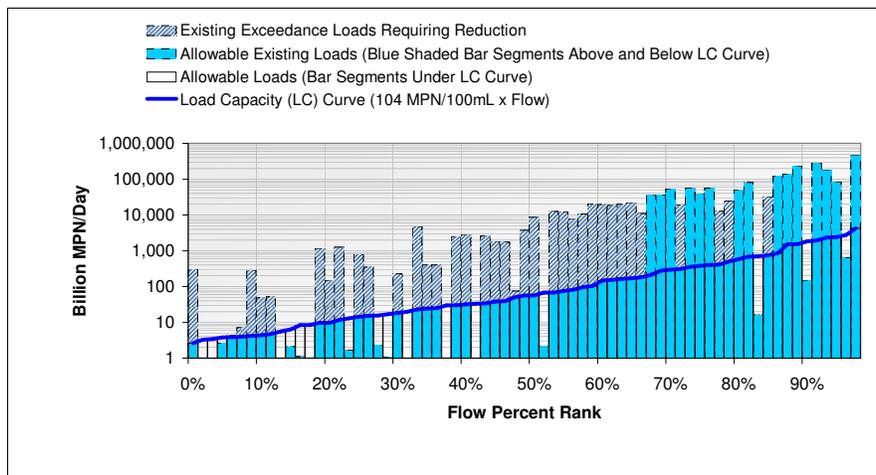
<b>Subwatershed 202 Total Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	69	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	49	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	15	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	34	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>22,846,059</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	2,095,519	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	17,792,360	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>19,887,879</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>2,958,180</b>	<b>Billion MPN/Year</b>

**Table O-21a. Subwatershed 202 Enterococcus (61) Load Duration Curve**



<b>Subwatershed 202 Enterococcus (61) Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	69	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	53	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	15	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	38	Days
<b>Total Existing Load for Existing Condition (Sum of All Shaded Bar Segments)</b>	<b>2,208,560</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	13,558	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	1,919,183	Billion MPN/Year
<b>Total Allowable Load [TMDL] (Sum of Allowable Load and Allowable Exceedance Load)</b>	<b>1,932,741</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction (Total Existing Load - Total Allowable Load)</b>	<b>275,820</b>	<b>Billion MPN/Year</b>

**Table O-21b. Subwatershed 202 Enterococcus (104) Load Duration Curve**

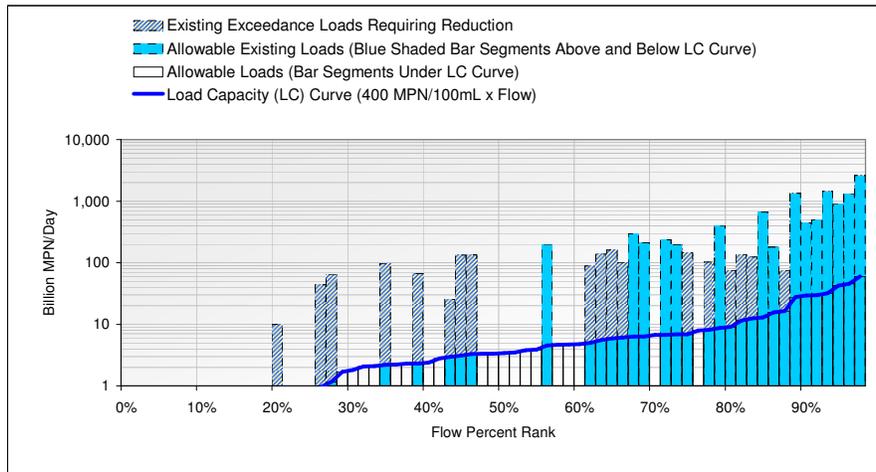


<b>Subwatershed 202 Enterococcus (104) Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	69	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	52	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	15	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	37	Days
<b>Total Existing Load for Existing Condition (Sum of All Shaded Bar Segments)</b>	<b>2,208,560</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	22,536	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	1,911,741	Billion MPN/Year
<b>Total Allowable Load [TMDL] (Sum of Allowable Load and Allowable Exceedance Load)</b>	<b>1,934,277</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction (Total Existing Load - Total Allowable Load)</b>	<b>274,283</b>	<b>Billion MPN/Year</b>

## **Dana Point HSA** Load Duration Curves

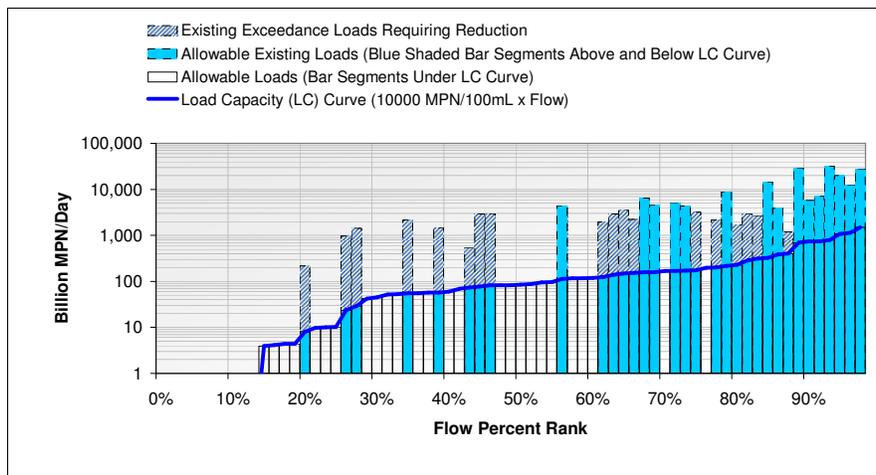
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**Table O-22. Subwatershed 301 Fecal Coliform Load Duration Curve**



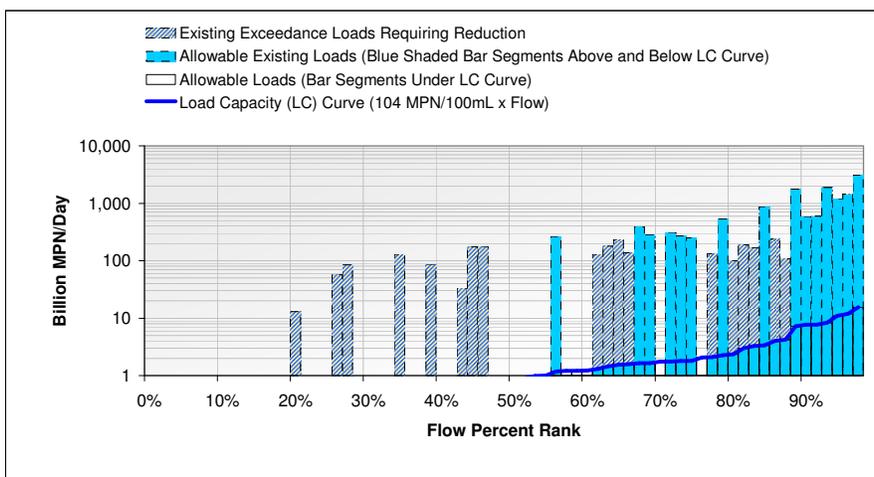
<b>Subwatershed 301 Fecal Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	69	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	33	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	15	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	18	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>12,677</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	438	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	10,615	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>11,053</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>1,624</b>	<b>Billion MPN/Year</b>

**Table O-23. Subwatershed 301 Total Coliform Load Duration Curve**



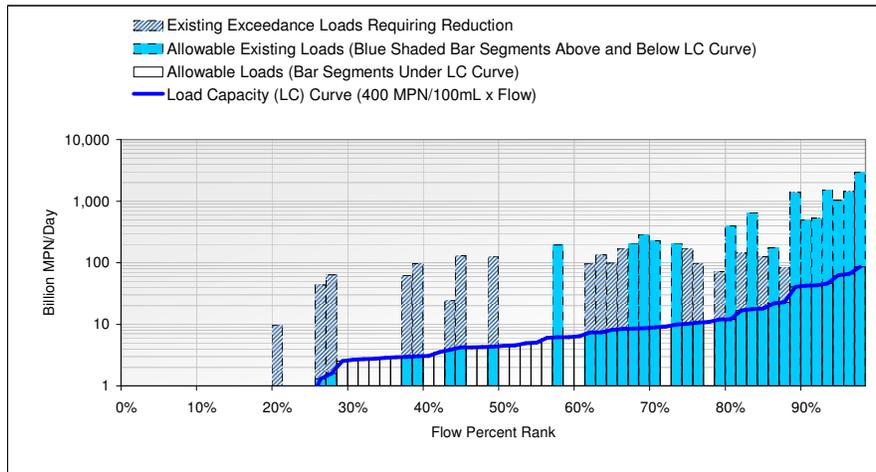
<b>Subwatershed 301 Total Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	69	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	33	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	15	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	18	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>224,286</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	10,952	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	178,693	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>189,646</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>34,640</b>	<b>Billion MPN/Year</b>

**Table O-24. Subwatershed 301 Enterococcus Load Duration Curve**



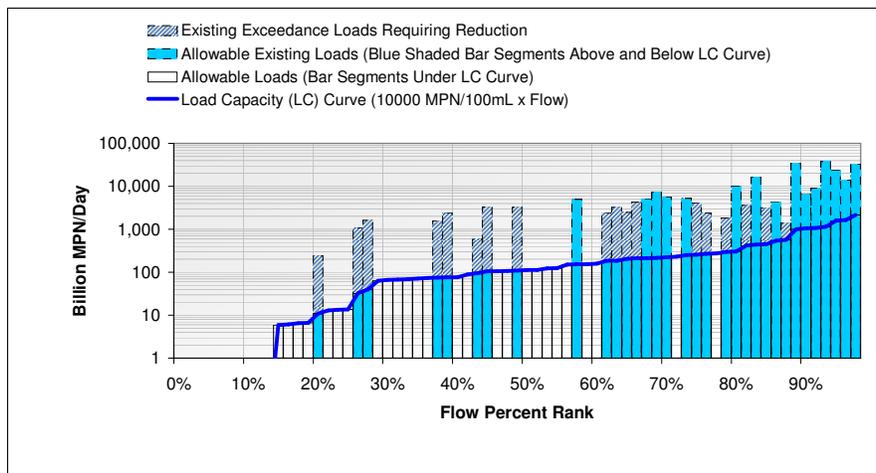
<b>Subwatershed 301 Enterococcus Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	69	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	33	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	15	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	18	Days
<b>Total Existing Load for Existing Condition (Sum of All Shaded Bar Segments)</b>	<b>16,137</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	114	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	13,679	Billion MPN/Year
<b>Total Allowable Load [TMDL] (Sum of Allowable Load and Allowable Exceedance Load)</b>	<b>13,793</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction (Total Existing Load - Total Allowable Load)</b>	<b>2,344</b>	<b>Billion MPN/Year</b>

**Table O-25. Subwatershed 302 Fecal Coliform Load Duration Curve**



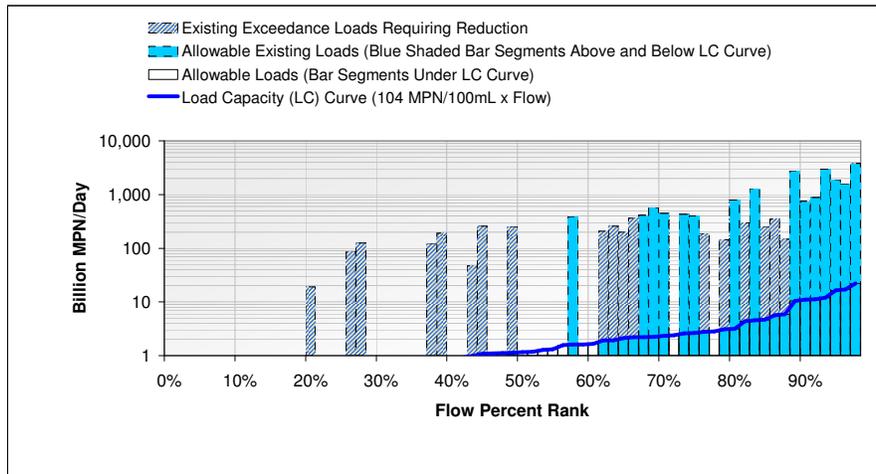
<b>Subwatershed 302 Fecal Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	69	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	33	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	15	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	18	Days
<b>Total Existing Load for Existing Condition (Sum of All Shaded Bar Segments)</b>	<b>13,426</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	623	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	11,193	Billion MPN/Year
<b>Total Allowable Load [TMDL] (Sum of Allowable Load and Allowable Exceedance Load)</b>	<b>11,816</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction (Total Existing Load - Total Allowable Load)</b>	<b>1,610</b>	<b>Billion MPN/Year</b>

**Table O-26. Subwatershed 302 Total Coliform Load Duration Curve**



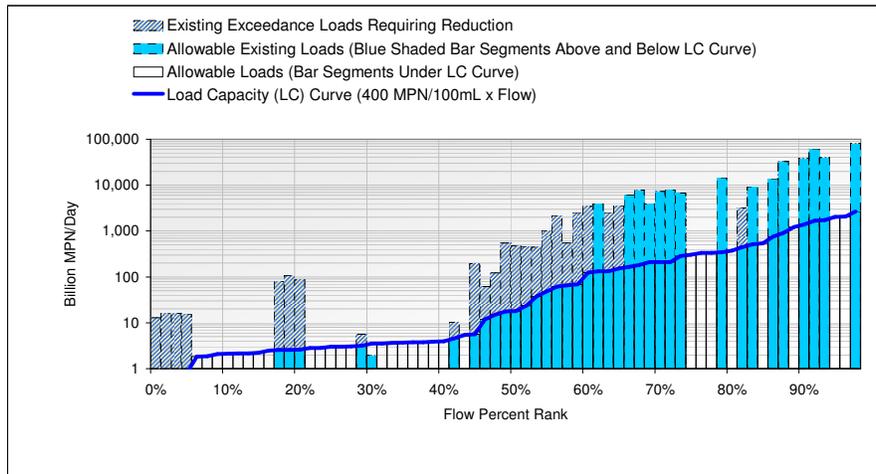
<b>Subwatershed 302 Total Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	69	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	33	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	15	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	18	Days
<b>Total Existing Load for Existing Condition (Sum of All Shaded Bar Segments)</b>	<b>261,979</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	15,576	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	207,050	Billion MPN/Year
<b>Total Allowable Load [TMDL] (Sum of Allowable Load and Allowable Exceedance Load)</b>	<b>222,626</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction (Total Existing Load - Total Allowable Load)</b>	<b>39,353</b>	<b>Billion MPN/Year</b>

**Table O-27. Subwatershed 302 Enterococcus Load Duration Curve**



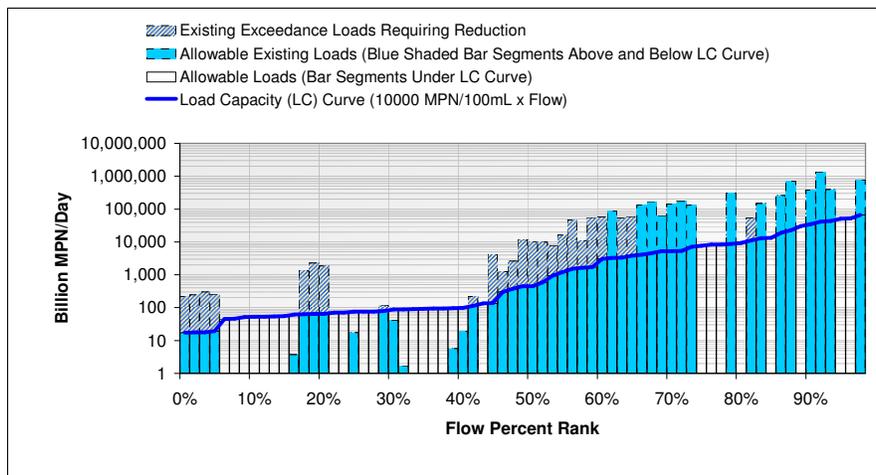
<b>Subwatershed 302 Enterococcus Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	69	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	33	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	15	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	18	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>22,871</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	162	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	19,236	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>19,398</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>3,473</b>	<b>Billion MPN/Year</b>

**Table O-28. Subwatershed 304 Fecal Coliform Load Duration Curve**



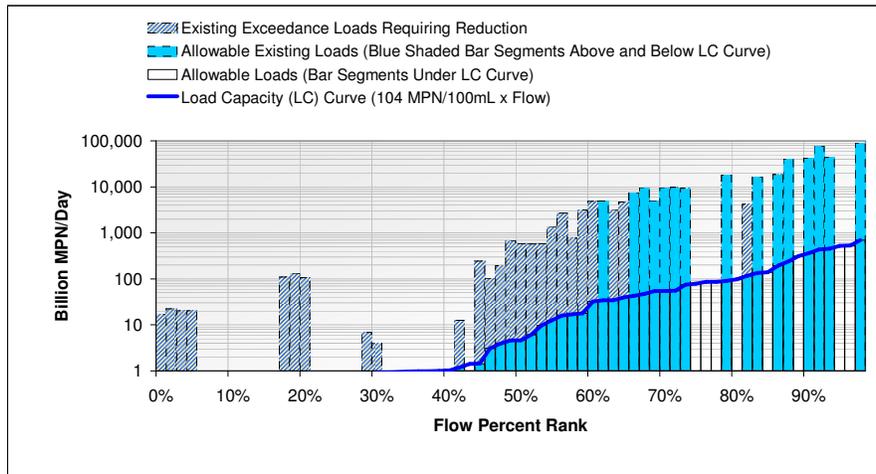
Subwatershed 304 Fecal Coliform Loading Summary		
	Value	Units
Total Wet Days During Critical Wet Year	69	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	39	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	15	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	24	Days
<b>Total Existing Load for Existing Condition (Sum of All Shaded Bar Segments)</b>	<b>356,926</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	12,657	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	323,853	Billion MPN/Year
<b>Total Allowable Load [TMDL] (Sum of Allowable Load and Allowable Exceedance Load)</b>	<b>336,510</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction (Total Existing Load - Total Allowable Load)</b>	<b>20,416</b>	<b>Billion MPN/Year</b>

**Table O-29. Subwatershed 304 Total Coliform Load Duration Curve**



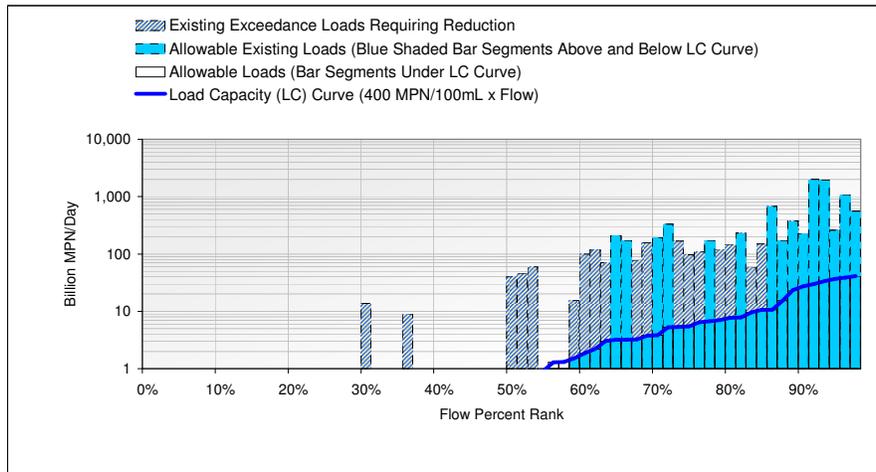
Subwatershed 304 Total Coliform Loading Summary		
	Value	Units
Total Wet Days During Critical Wet Year	69	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	39	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	15	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	24	Days
<b>Total Existing Load for Existing Condition (Sum of All Shaded Bar Segments)</b>	<b>5,599,516</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	316,396	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	4,906,479	Billion MPN/Year
<b>Total Allowable Load [TMDL] (Sum of Allowable Load and Allowable Exceedance Load)</b>	<b>5,222,874</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction (Total Existing Load - Total Allowable Load)</b>	<b>376,642</b>	<b>Billion MPN/Year</b>

**Table O-30. Subwatershed 304 Enterococcus Load Duration Curve**



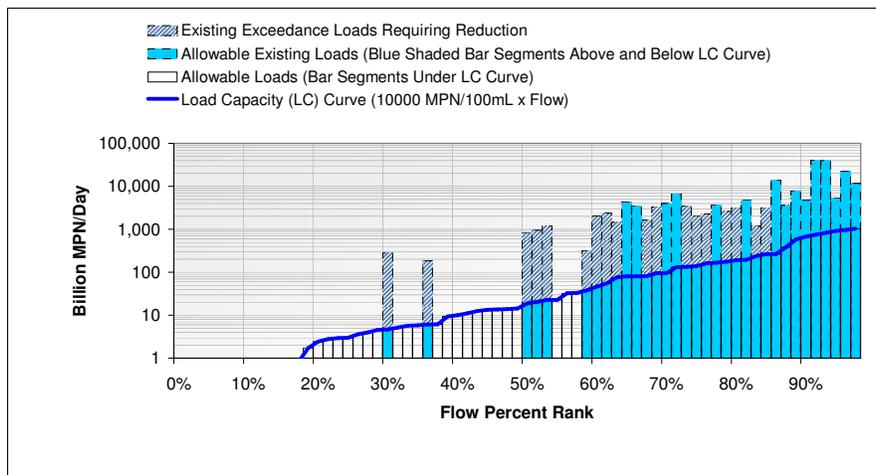
<b>Subwatershed 304 Enterococcus Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	69	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	42	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	15	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	27	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>428,285</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	3,293	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	396,971	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>400,264</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>28,020</b>	<b>Billion MPN/Year</b>

**Table O-31. Subwatershed 305 Fecal Coliform Load Duration Curve**



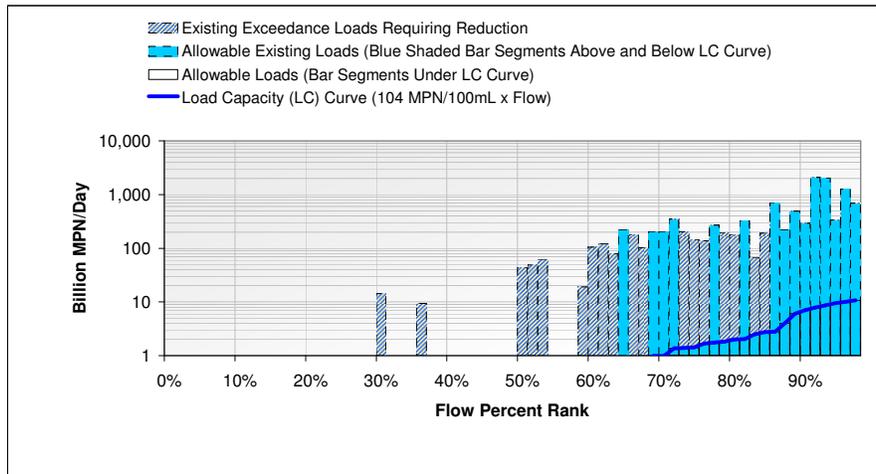
<b>Subwatershed 305 Fecal Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	69	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	33	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	15	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	18	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>10,149</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	357	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	8,306	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>8,662</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>1,486</b>	<b>Billion MPN/Year</b>

**Table O-32. Subwatershed 305 Total Coliform Load Duration Curve**



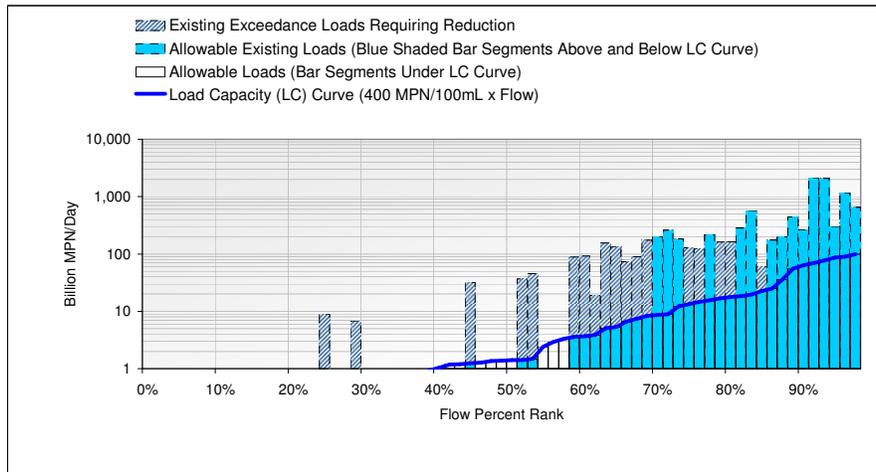
<b>Subwatershed 305 Total Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	69	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	33	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	15	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	18	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>209,193</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	8,922	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	169,640	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>178,563</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>30,630</b>	<b>Billion MPN/Year</b>

**Table O-33. Subwatershed 305 Enterococcus Load Duration Curve**



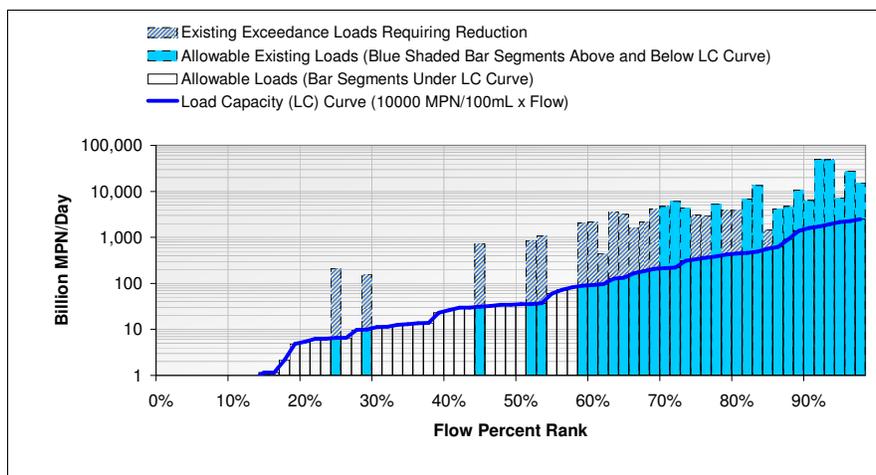
<b>Subwatershed 305 Enterococcus Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	69	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	33	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	15	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	18	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>11,603</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	93	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	9,618	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>9,711</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>1,892</b>	<b>Billion MPN/Year</b>

**Table O-34. Subwatershed 306 Fecal Coliform Load Duration Curve**



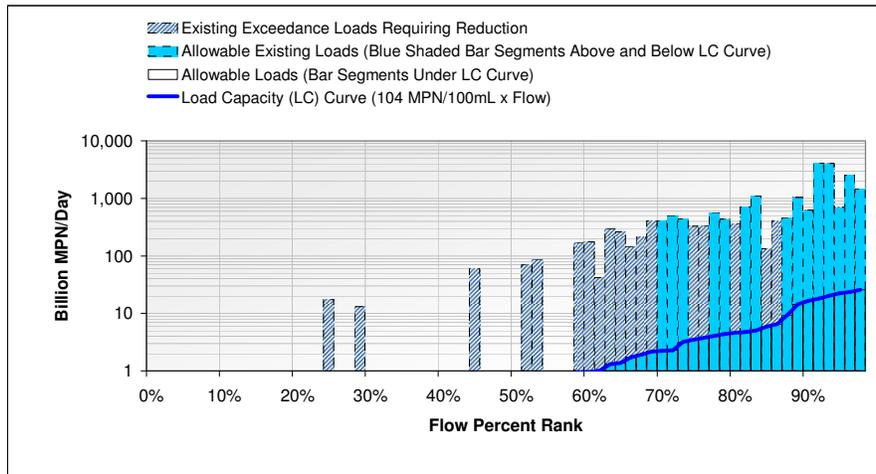
<b>Subwatershed 306 Fecal Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	69	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	33	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	15	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	18	Days
<b>Total Existing Load for Existing Condition (Sum of All Shaded Bar Segments)</b>	<b>10,733</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	819	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	8,452	Billion MPN/Year
<b>Total Allowable Load [TMDL] (Sum of Allowable Load and Allowable Exceedance Load)</b>	<b>9,272</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction (Total Existing Load - Total Allowable Load)</b>	<b>1,461</b>	<b>Billion MPN/Year</b>

**Table O-35. Subwatershed 306 Total Coliform Load Duration Curve**



<b>Subwatershed 306 Total Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	69	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	33	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	15	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	18	Days
<b>Total Existing Load for Existing Condition (Sum of All Shaded Bar Segments)</b>	<b>251,988</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	20,481	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	197,282	Billion MPN/Year
<b>Total Allowable Load [TMDL] (Sum of Allowable Load and Allowable Exceedance Load)</b>	<b>217,763</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction (Total Existing Load - Total Allowable Load)</b>	<b>34,225</b>	<b>Billion MPN/Year</b>

**Table O-36. Subwatershed 306 Enterococcus Load Duration Curve**

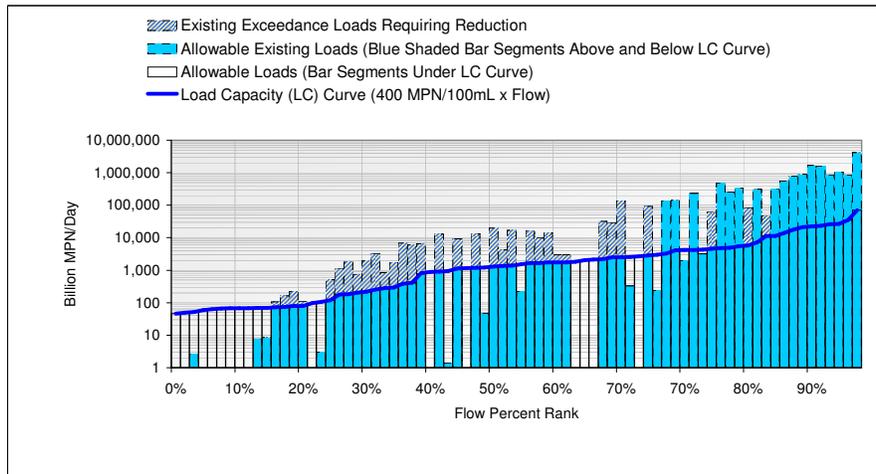


<b>Subwatershed 306 Enterococcus Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	69	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	33	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	15	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	18	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>22,629</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	213	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	18,927	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>19,140</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>3,489</b>	<b>Billion MPN/Year</b>

## **Lower San Juan HSA** Load Duration Curves

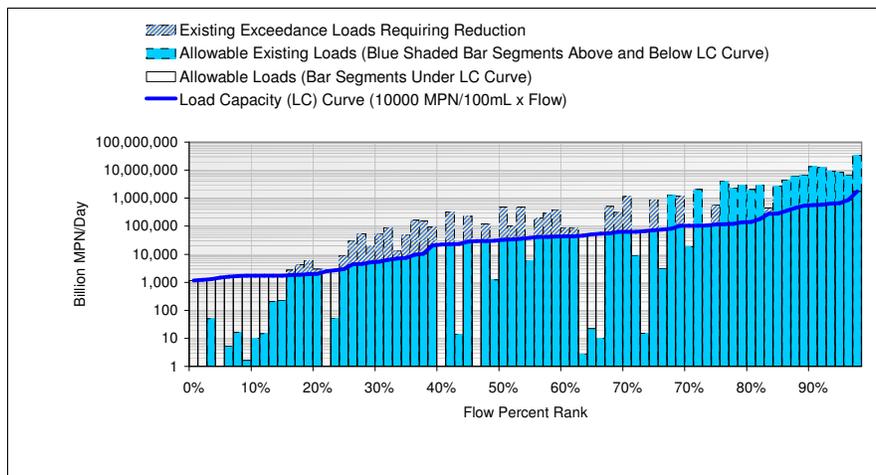
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**Table O-37. Subwatershed 401 Fecal Coliform Load Duration Curve**



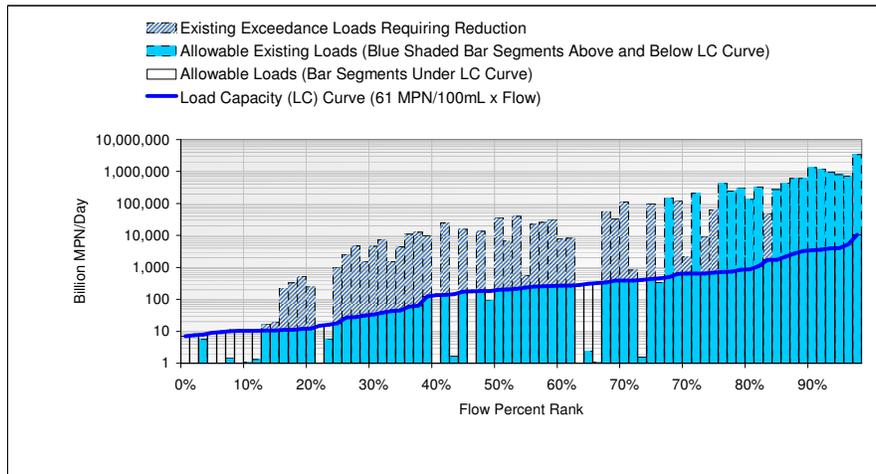
<b>Subwatershed 401 Fecal Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	76	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	50	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	17	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	33	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>15,304,790</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	358,410	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	14,356,423	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>14,714,833</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>589,958</b>	<b>Billion MPN/Year</b>

**Table O-38. Subwatershed 401 Total Coliform Load Duration Curve**



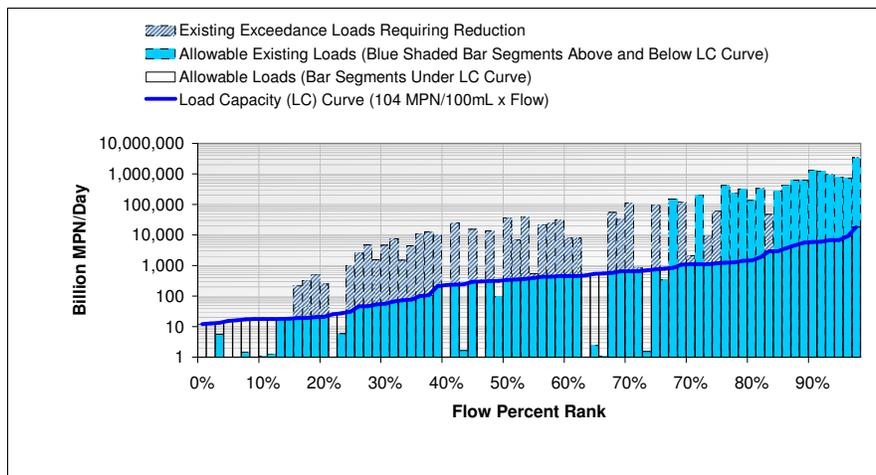
<b>Subwatershed 401 Total Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	76	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	50	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	17	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	33	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>130,258,863</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	8,947,114	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	113,932,076	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>122,879,189</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>7,379,673</b>	<b>Billion MPN/Year</b>

**Table O-39a. Subwatershed 401 Enterococcus (61) Load Duration Curve**



<b>Subwatershed 401 Enterococcus (61) Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	76	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	56	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	17	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	39	Days
<b>Total Existing Load for Existing Condition (Sum of All Shaded Bar Segments)</b>	<b>12,980,098</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	56,119	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	12,096,327	Billion MPN/Year
<b>Total Allowable Load [TMDL] (Sum of Allowable Load and Allowable Exceedance Load)</b>	<b>12,152,446</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction (Total Existing Load - Total Allowable Load)</b>	<b>827,652</b>	<b>Billion MPN/Year</b>

**Table O-39b. Subwatershed 401 Enterococcus (104) Load Duration Curve**

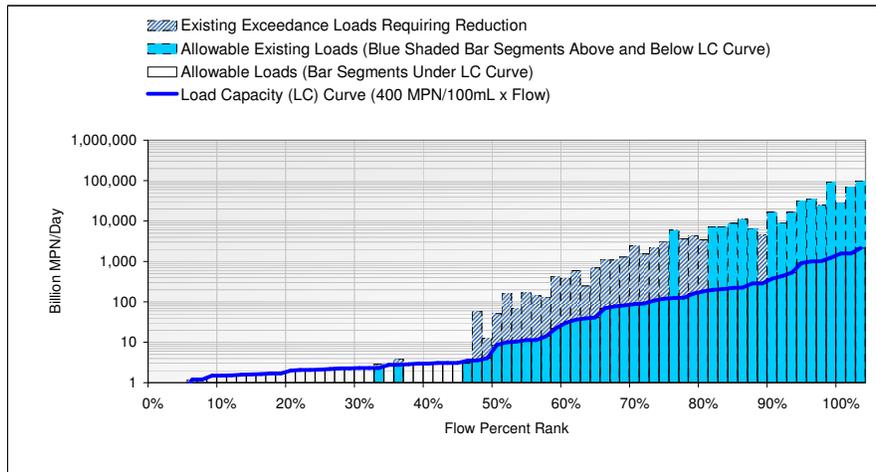


<b>Subwatershed 401 Enterococcus (104) Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	76	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	55	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	17	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	38	Days
<b>Total Existing Load for Existing Condition (Sum of All Shaded Bar Segments)</b>	<b>12,980,098</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	95,357	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	12,063,781	Billion MPN/Year
<b>Total Allowable Load [TMDL] (Sum of Allowable Load and Allowable Exceedance Load)</b>	<b>12,159,138</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction (Total Existing Load - Total Allowable Load)</b>	<b>820,960</b>	<b>Billion MPN/Year</b>

## **San Clemente HA** Load Duration Curves

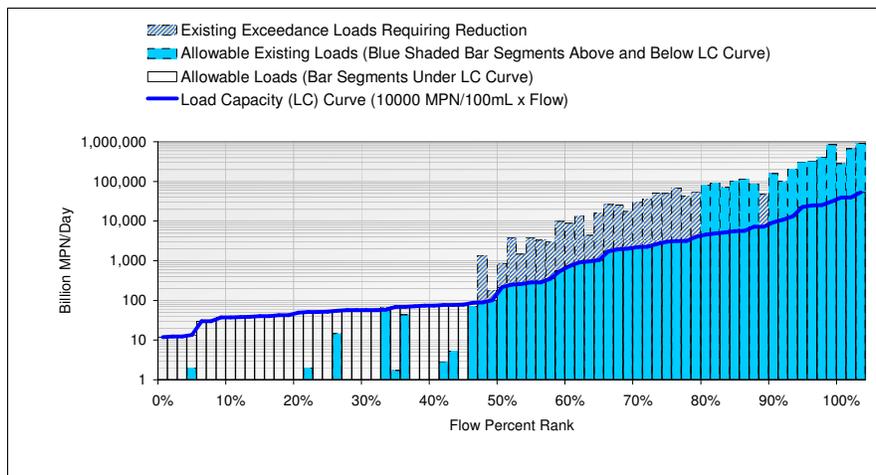
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**Table O-40. Subwatershed 501 Fecal Coliform Load Duration Curve**



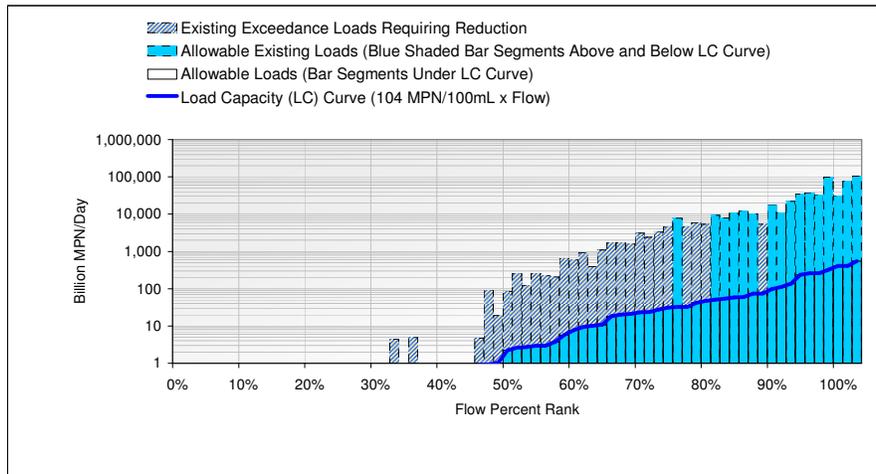
<b>Subwatershed 501 Fecal Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	73	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	42	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	16	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	26	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>503,463</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	13,706	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	459,283	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>472,989</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>30,474</b>	<b>Billion MPN/Year</b>

**Table O-41. Subwatershed 501 Total Coliform Load Duration Curve**



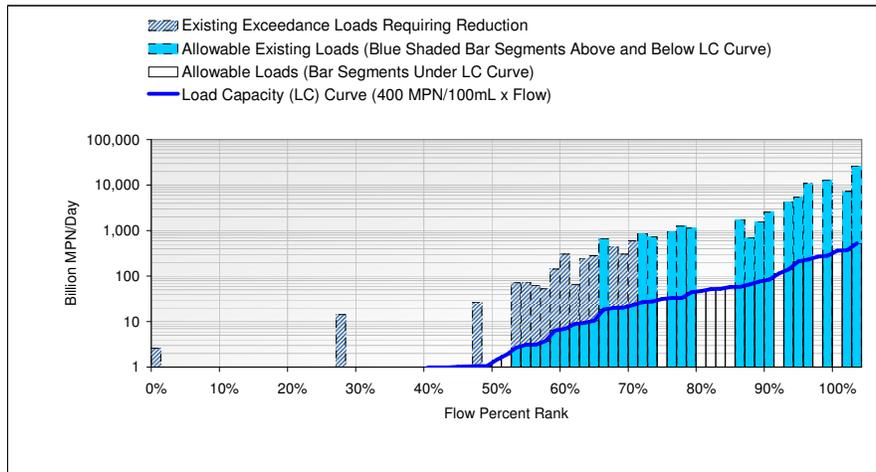
<b>Subwatershed 501 Total Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	73	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	41	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	16	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	25	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>5,276,543</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	342,618	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	4,451,026	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>4,793,644</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>482,899</b>	<b>Billion MPN/Year</b>

**Table O-42. Subwatershed 501 Enterococcus Load Duration Curve**



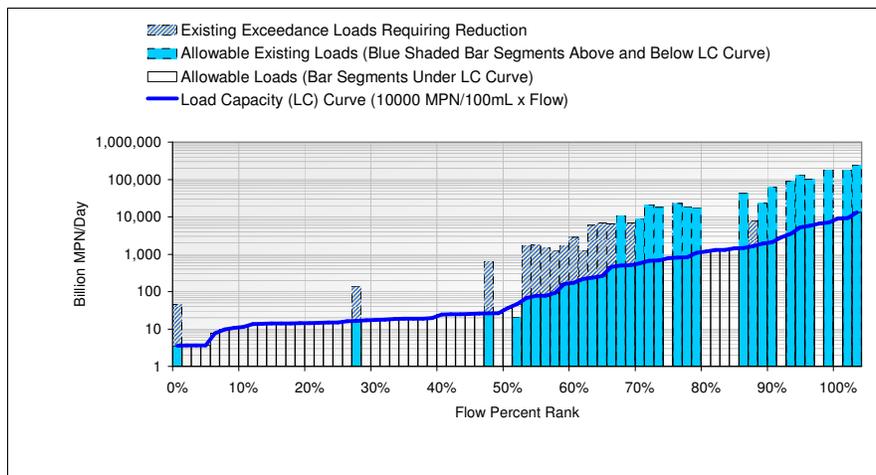
<b>Subwatershed 501 Enterococcus Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	73	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	45	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	16	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	29	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>570,531</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	3,565	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	522,815	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>526,380</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>44,151</b>	<b>Billion MPN/Year</b>

**Table O-43. Subwatershed 502 Fecal Coliform Load Duration Curve**



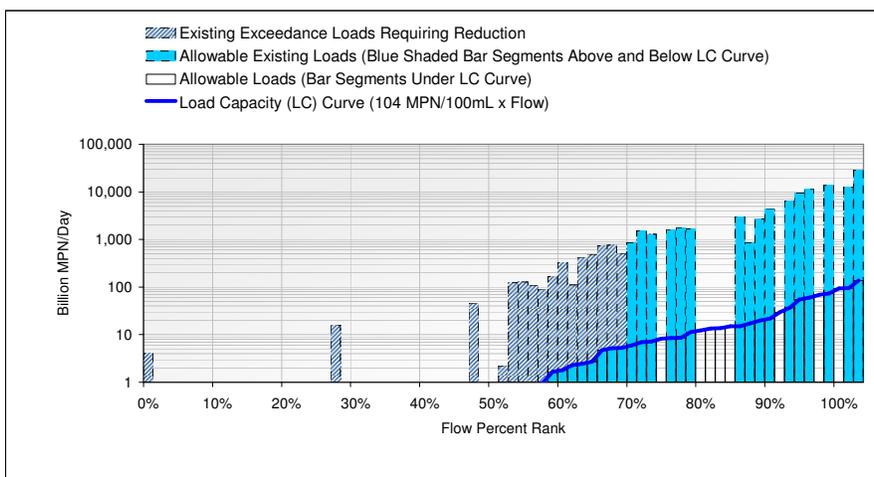
<b>Subwatershed 502 Fecal Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	73	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	31	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	16	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	15	Days
<b>Total Existing Load for Existing Condition (Sum of All Shaded Bar Segments)</b>	<b>81,336</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	2,340	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	76,435	Billion MPN/Year
<b>Total Allowable Load [TMDL] (Sum of Allowable Load and Allowable Exceedance Load)</b>	<b>78,774</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction (Total Existing Load - Total Allowable Load)</b>	<b>2,561</b>	<b>Billion MPN/Year</b>

**Table O-44. Subwatershed 502 Total Coliform Load Duration Curve**



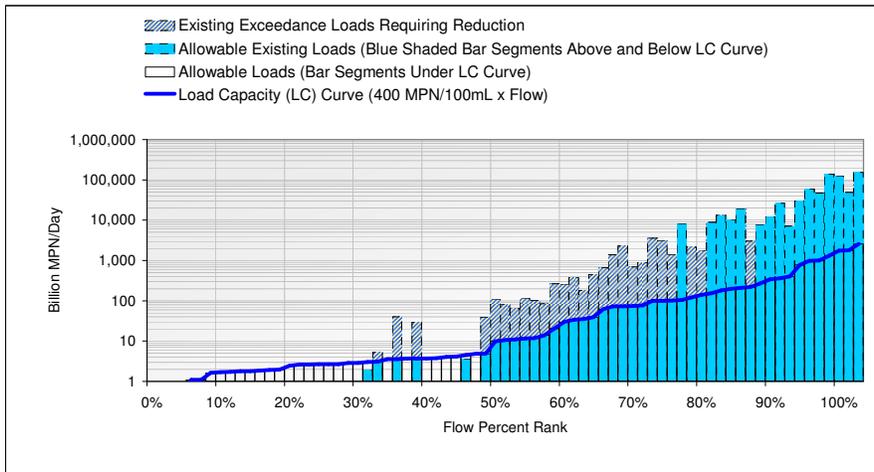
<b>Subwatershed 502 Total Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	73	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	31	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	16	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	15	Days
<b>Total Existing Load for Existing Condition (Sum of All Shaded Bar Segments)</b>	<b>1,217,027</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	58,491	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	1,115,636	Billion MPN/Year
<b>Total Allowable Load [TMDL] (Sum of Allowable Load and Allowable Exceedance Load)</b>	<b>1,174,127</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction (Total Existing Load - Total Allowable Load)</b>	<b>42,900</b>	<b>Billion MPN/Year</b>

**Table O-45. Subwatershed 502 Enterococcus Load Duration Curve**



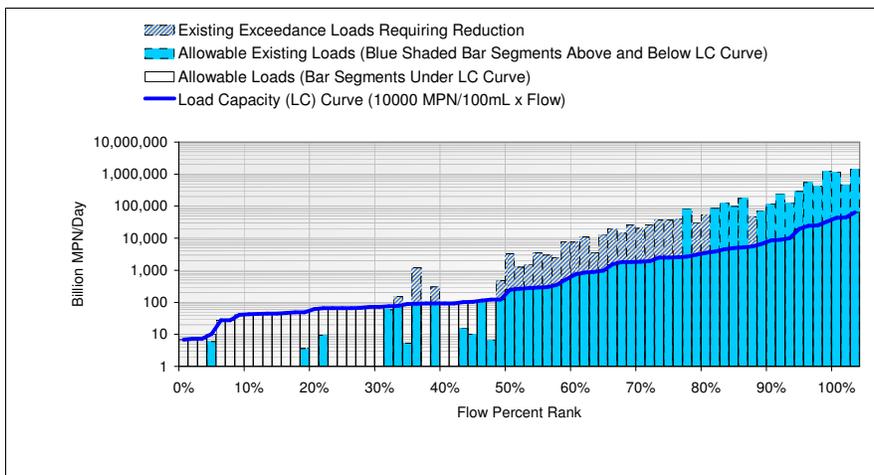
<b>Subwatershed 502 Enterococcus Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	73	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	32	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	16	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	16	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>105,722</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	609	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	101,090	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>101,698</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>4,024</b>	<b>Billion MPN/Year</b>

**Table O-46. Subwatershed 503 Fecal Coliform Load Duration Curve**



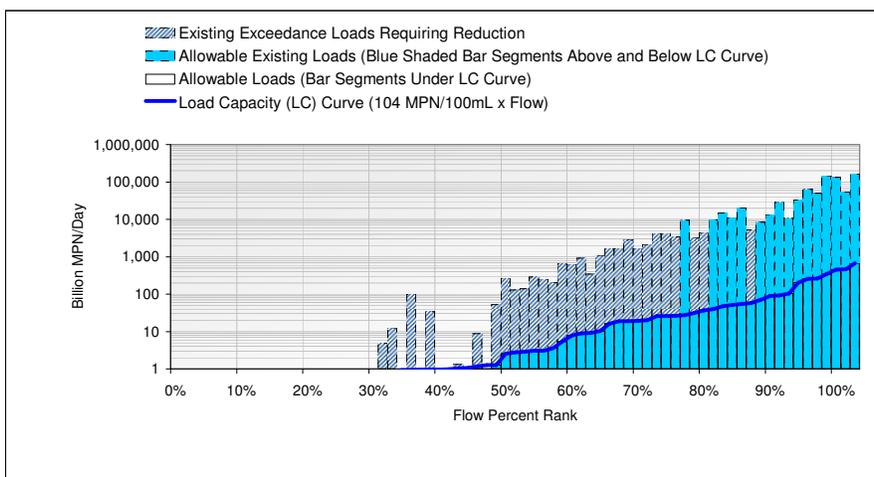
<b>Subwatershed 503 Fecal Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	73	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	42	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	16	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	26	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>736,628</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	13,802	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	701,010	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>714,812</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>21,816</b>	<b>Billion MPN/Year</b>

**Table O-47. Subwatershed 503 Total Coliform Load Duration Curve**



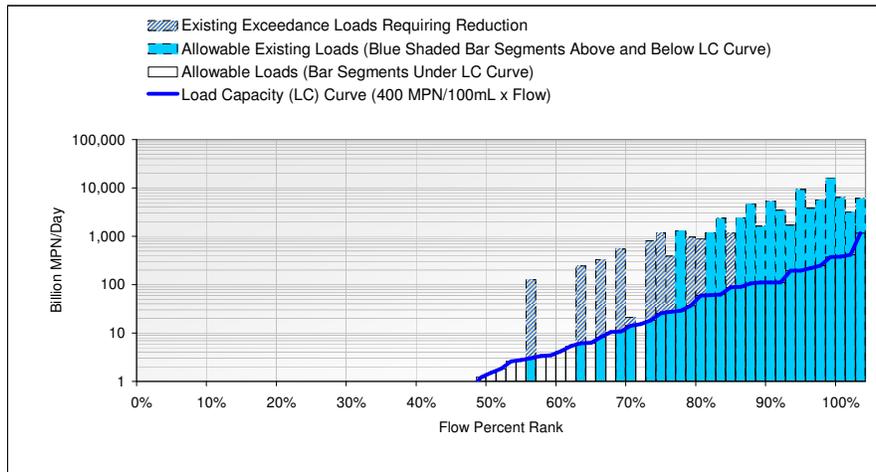
<b>Subwatershed 503 Total Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	73	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	42	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	16	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	26	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>7,101,866</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	345,066	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	6,378,829	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>6,723,895</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>377,971</b>	<b>Billion MPN/Year</b>

**Table O-48. Subwatershed 503 Enterococcus Load Duration Curve**



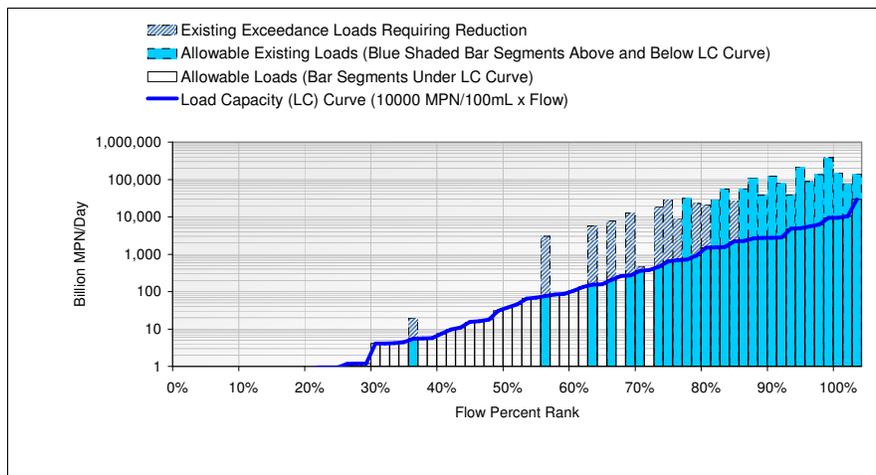
<b>Subwatershed 503 Enterococcus Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	73	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	47	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	16	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	31	Days
<b>Total Existing Load for Existing Condition (Sum of All Shaded Bar Segments)</b>	<b>806,853</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	3,593	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	763,994	Billion MPN/Year
<b>Total Allowable Load [TMDL] (Sum of Allowable Load and Allowable Exceedance Load)</b>	<b>767,587</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction (Total Existing Load - Total Allowable Load)</b>	<b>39,266</b>	<b>Billion MPN/Year</b>

**Table O-49. Subwatershed 504 Fecal Coliform Load Duration Curve**



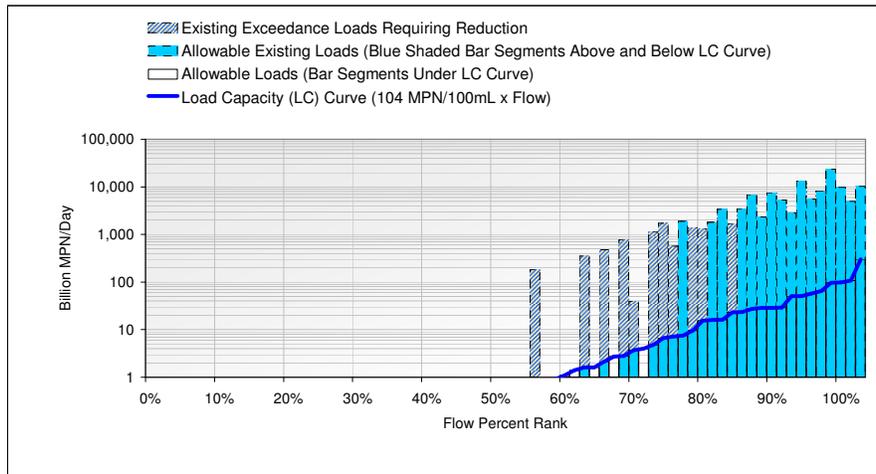
Subwatershed 504 Fecal Coliform Loading Summary		
	Value	Units
Total Wet Days During Critical Wet Year	73	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	28	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	16	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	12	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>81,576</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	4,172	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	71,022	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>75,194</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>6,382</b>	<b>Billion MPN/Year</b>

**Table O-50. Subwatershed 504 Total Coliform Load Duration Curve**



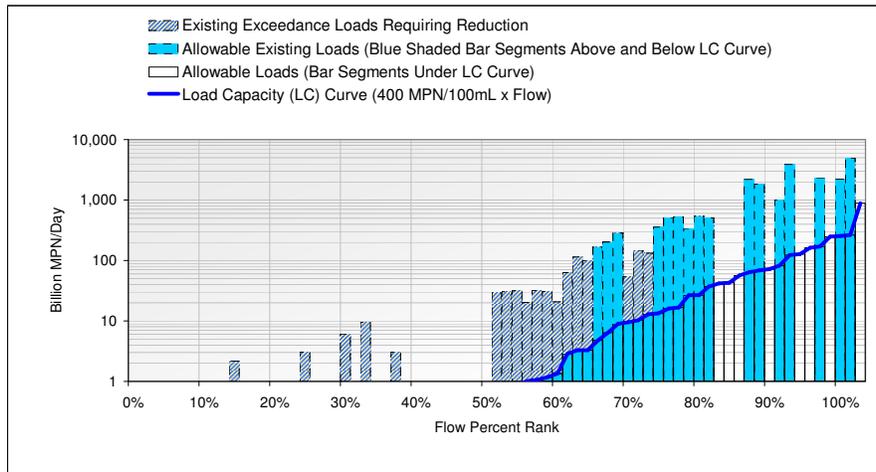
Subwatershed 504 Total Coliform Loading Summary		
	Value	Units
Total Wet Days During Critical Wet Year	73	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	28	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	16	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	12	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>1,903,632</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	104,298	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	1,650,517	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>1,754,815</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>148,817</b>	<b>Billion MPN/Year</b>

**Table O-51. Subwatershed 504 Enterococcus Load Duration Curve**



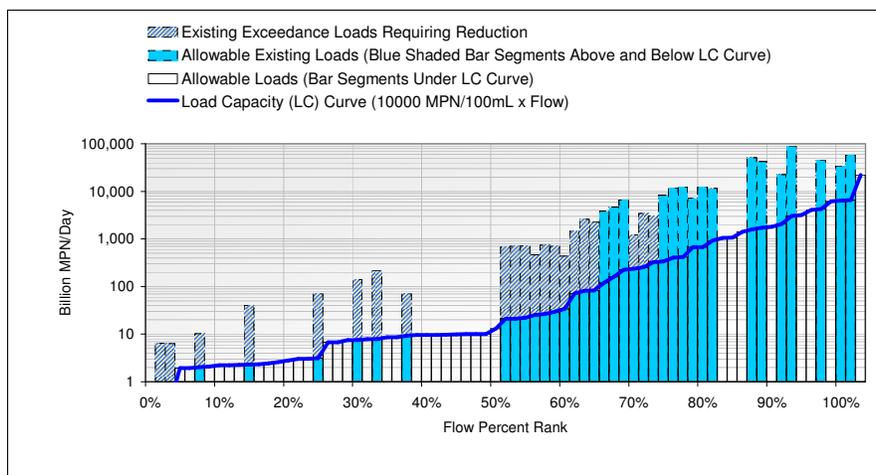
<b>Subwatershed 504 Enterococcus Loading Summary</b>	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	73	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	28	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	16	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	12	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>120,842</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	1,085	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	110,148	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>111,233</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>9,609</b>	<b>Billion MPN/Year</b>

**Table O-52. Subwatershed 505 Fecal Coliform Load Duration Curve**



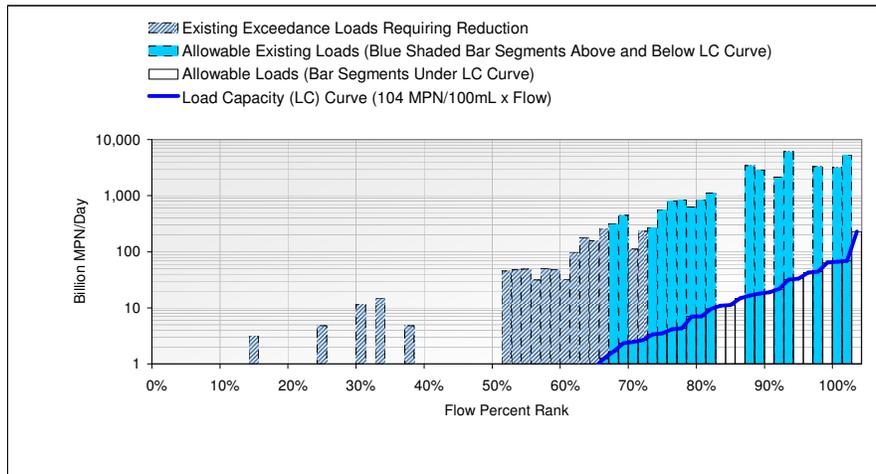
<b>Subwatershed 505 Fecal Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	73	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	37	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	16	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	21	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>22,706</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	1,235	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	20,691	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>21,926</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>781</b>	<b>Billion MPN/Year</b>

**Table O-53. Subwatershed 505 Total Coliform Load Duration Curve**



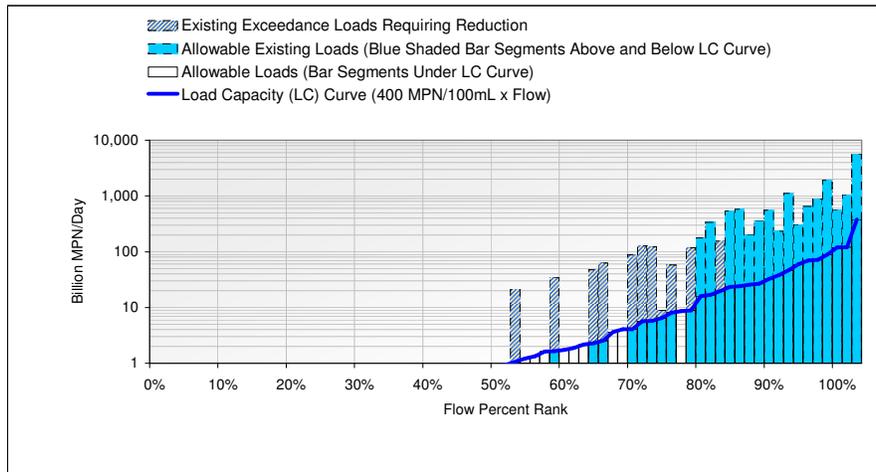
<b>Subwatershed 505 Total Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	73	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	37	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	16	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	21	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>439,319</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	30,864	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	390,691	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>421,555</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>17,764</b>	<b>Billion MPN/Year</b>

**Table O-54. Subwatershed 505 Enterococcus Load Duration Curve**



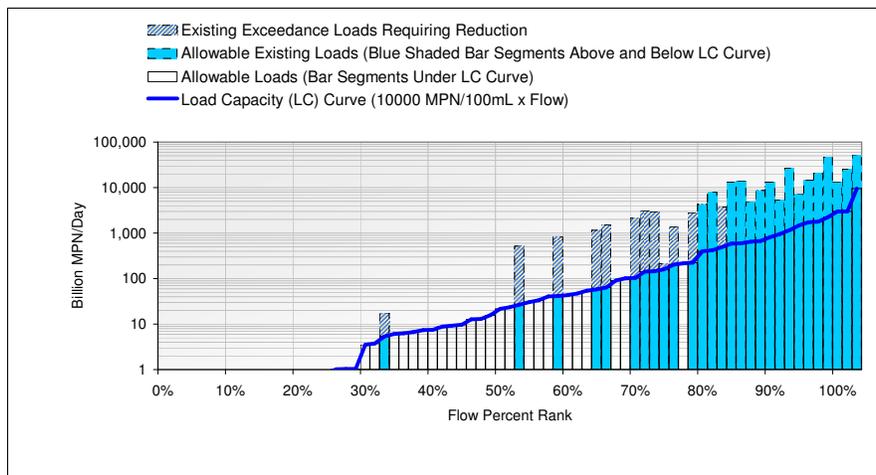
<b>Subwatershed 505 Enterococcus Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	73	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	37	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	16	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	21	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>33,571</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	321	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	31,875	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>32,196</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>1,375</b>	<b>Billion MPN/Year</b>

**Table O-55. Subwatershed 506 Fecal Coliform Load Duration Curve**



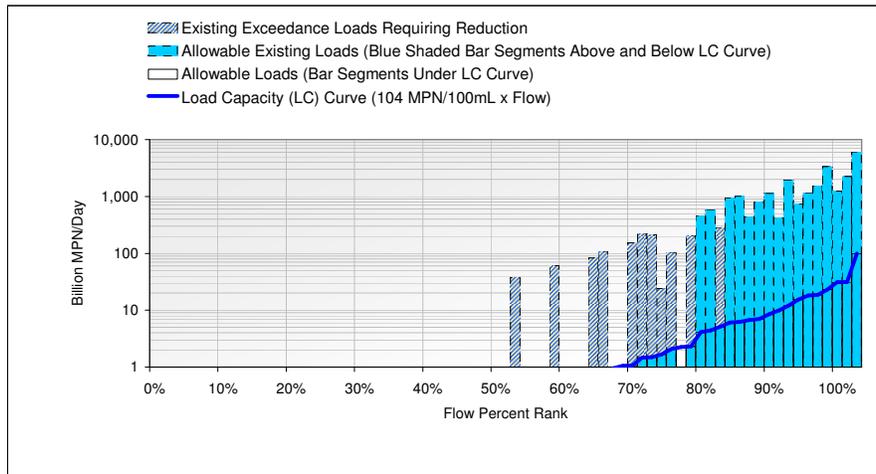
<b>Subwatershed 506 Fecal Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	73	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	28	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	16	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	12	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>16,014</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	1,226	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	14,009	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>15,235</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>779</b>	<b>Billion MPN/Year</b>

**Table O-56. Subwatershed 506 Total Coliform Load Duration Curve**



<b>Subwatershed 506 Total Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	73	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	28	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	16	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	12	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>298,219</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	30,657	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	248,909	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>279,566</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>18,652</b>	<b>Billion MPN/Year</b>

**Table O-57. Subwatershed 506 Enterococcus Load Duration Curve**

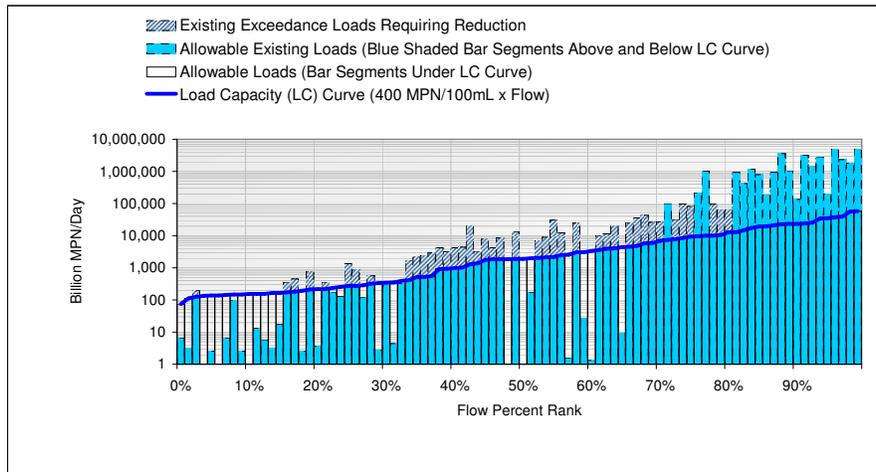


<b>Subwatershed 506 Enterococcus Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	73	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	28	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	16	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	12	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>25,580</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	319	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	23,774	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>24,093</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>1,487</b>	<b>Billion MPN/Year</b>

## **San Luis Rey HU** Load Duration Curves

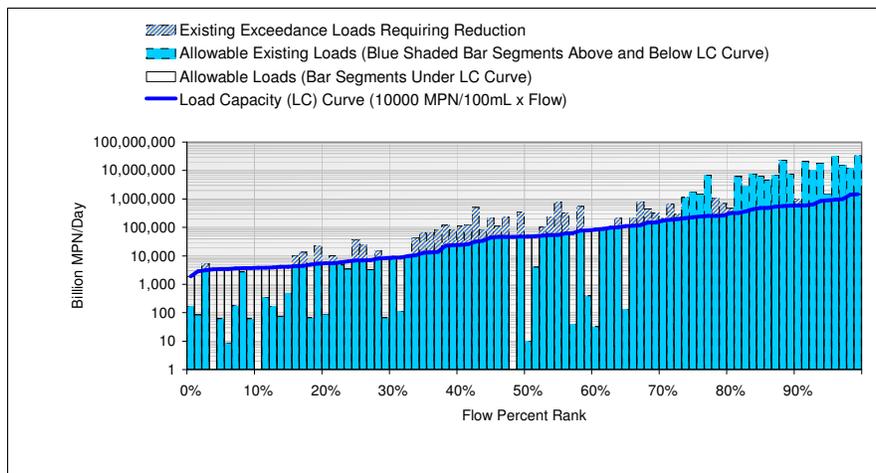
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**Table O-58. Subwatershed 701 Fecal Coliform Load Duration Curve**



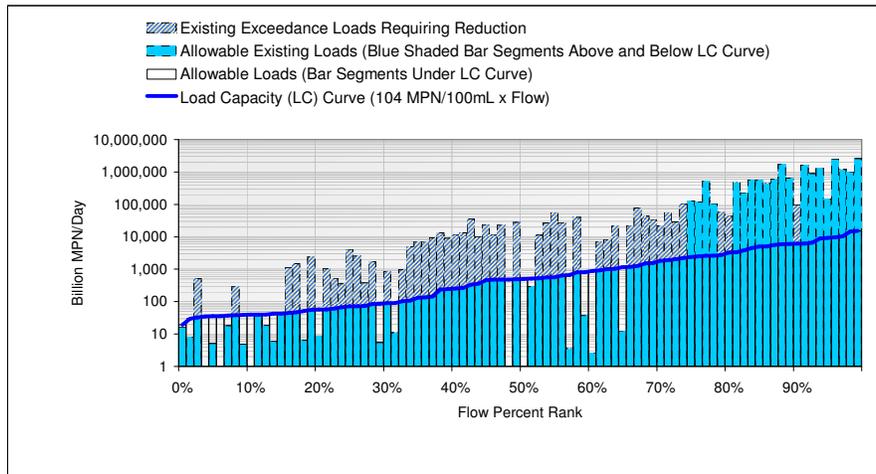
<b>Subwatershed 701 Fecal Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	90	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	61	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	20	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	41	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>33,120,012</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	640,595	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	31,803,647	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>32,444,242</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>675,770</b>	<b>Billion MPN/Year</b>

**Table O-59. Subwatershed 701 Total Coliform Load Duration Curve**



<b>Subwatershed 701 Total Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	90	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	59	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	20	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	39	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>231,598,677</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	15,993,384	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	208,157,151	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>224,150,535</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>7,448,142</b>	<b>Billion MPN/Year</b>

**Table O-60. Subwatershed 701 Enterococcus Load Duration Curve**

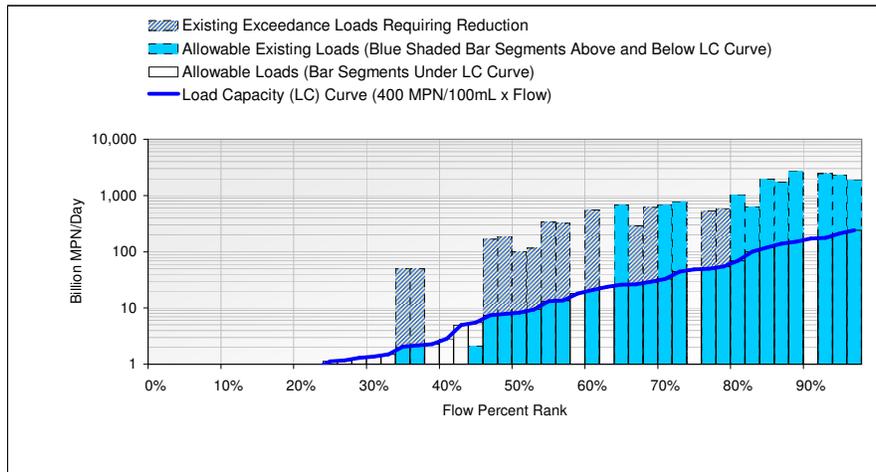


<b>Subwatershed 701 Enterococcus Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	90	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	68	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	20	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	48	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>18,439,920</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	167,152	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	17,296,466	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>17,463,618</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>976,302</b>	<b>Billion MPN/Year</b>

## **San Marcos HA** Load Duration Curves

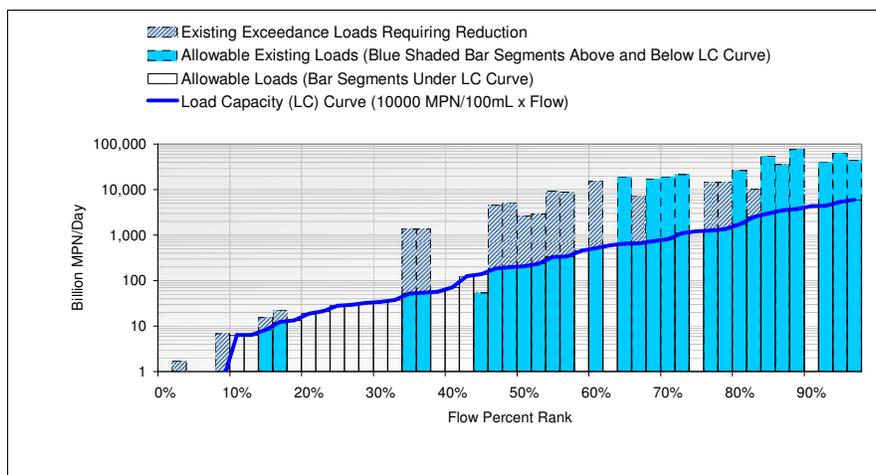
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**Table O-61. Subwatershed 1101 Fecal Coliform Load Duration Curve**



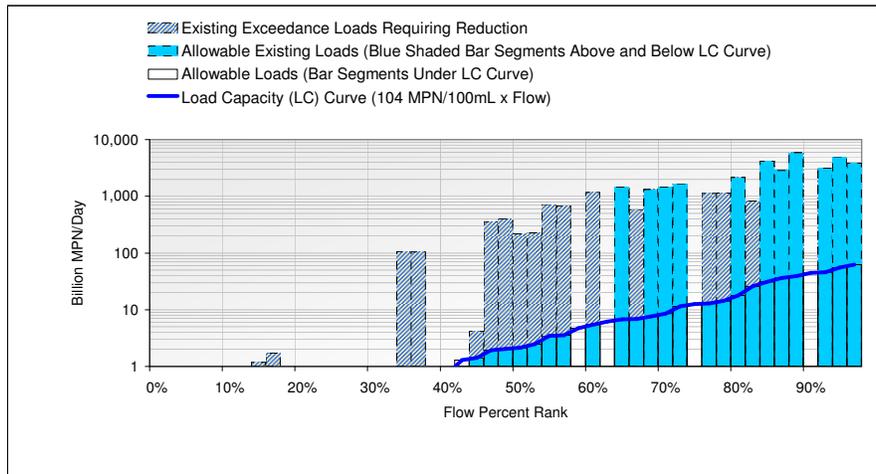
<b>Subwatershed 1101 Fecal Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	49	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	28	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	11	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	17	Days
<b>Total Existing Load for Existing Condition (Sum of All Shaded Bar Segments)</b>	<b>20,886</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	1,559	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	15,665	Billion MPN/Year
<b>Total Allowable Load [TMDL] (Sum of Allowable Load and Allowable Exceedance Load)</b>	<b>17,224</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction (Total Existing Load - Total Allowable Load)</b>	<b>3,662</b>	<b>Billion MPN/Year</b>

**Table O-62. Subwatershed 1101 Total Coliform Load Duration Curve**



<b>Subwatershed 1101 Total Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	49	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	28	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	11	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	17	Days
<b>Total Existing Load for Existing Condition (Sum of All Shaded Bar Segments)</b>	<b>515,278</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	38,984	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	386,099	Billion MPN/Year
<b>Total Allowable Load [TMDL] (Sum of Allowable Load and Allowable Exceedance Load)</b>	<b>425,083</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction (Total Existing Load - Total Allowable Load)</b>	<b>90,196</b>	<b>Billion MPN/Year</b>

**Table O-63. Subwatershed 1101 Enterococcus Load Duration Curve**

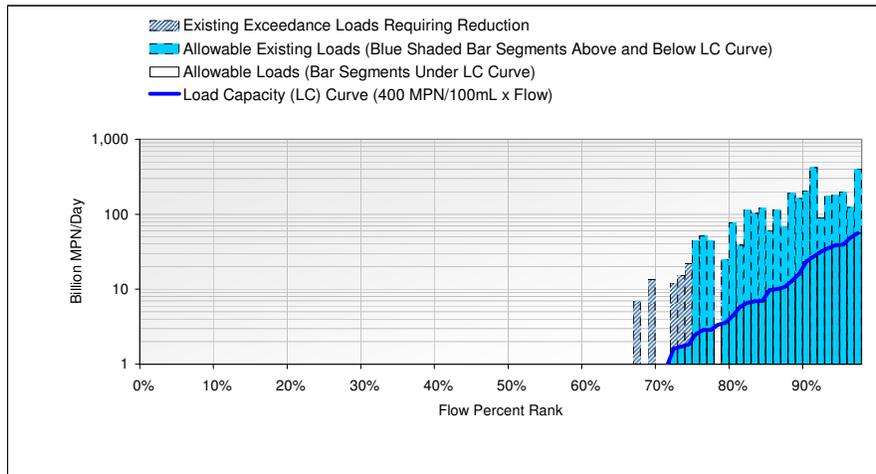


<b>Subwatershed 1101 Enterococcus Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	49	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	29	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	11	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	18	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>40,558</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	406	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	32,559	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>32,966</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>7,592</b>	<b>Billion MPN/Year</b>

## **San Dieguito HU** Load Duration Curves

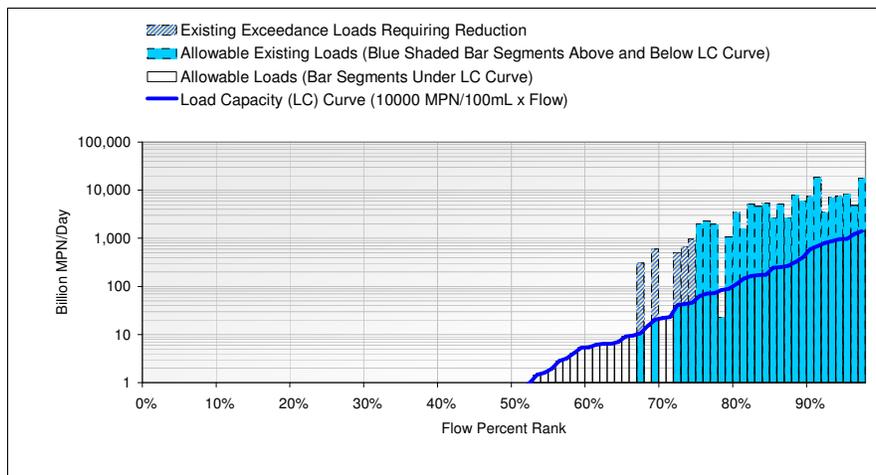
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**Table O-64. Subwatershed 1301 Fecal Coliform Load Duration Curve**



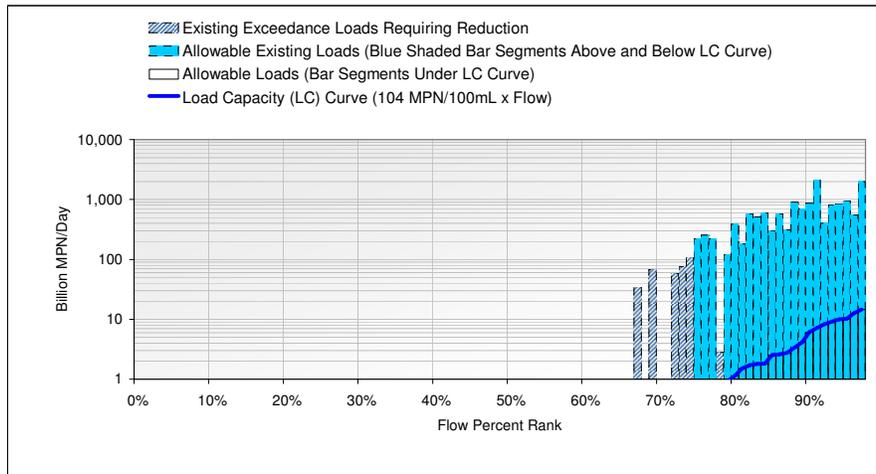
<b>Subwatershed 1301 Fecal Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	98	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	27	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	22	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	5	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>3,081</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	410	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	2,609	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>3,018</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>63</b>	<b>Billion MPN/Year</b>

**Table O-65. Subwatershed 1301 Total Coliform Load Duration Curve**



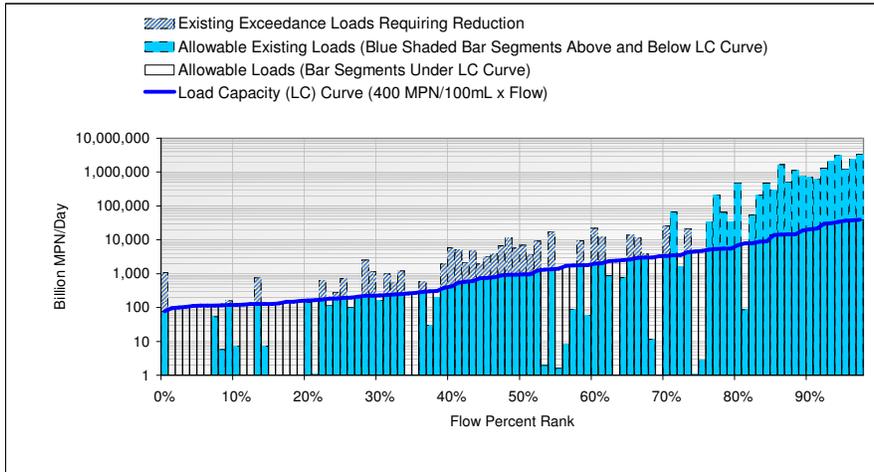
<b>Subwatershed 1301 Total Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	98	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	27	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	22	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	5	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>130,532</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	10,246	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	117,387	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>127,632</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>2,900</b>	<b>Billion MPN/Year</b>

**Table O-66. Subwatershed 1301 Enterococcus Load Duration Curve**



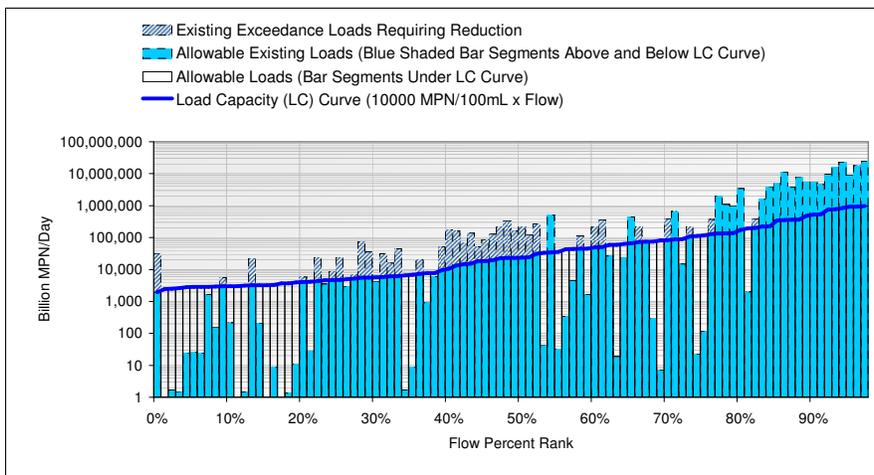
<b>Subwatershed 1301 Enterococcus Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	98	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	28	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	22	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	6	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>14,763</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	107	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	14,312	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>14,419</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>344</b>	<b>Billion MPN/Year</b>

**Table O-67. Subwatershed 1302 Fecal Coliform Load Duration Curve**



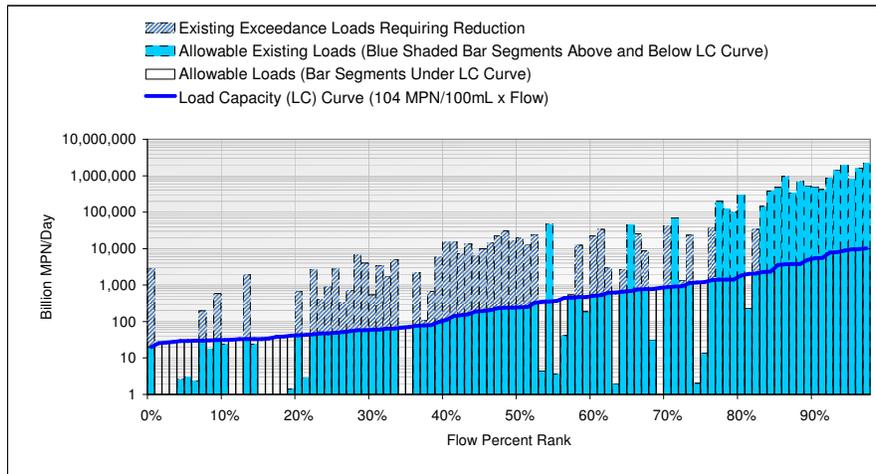
<b>Subwatershed 1302 Fecal Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	98	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	58	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	22	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	36	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>21,283,828</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	425,559	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	20,673,072	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>21,098,630</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>185,198</b>	<b>Billion MPN/Year</b>

**Table O-68. Subwatershed 1302 Total Coliform Load Duration Curve**



<b>Subwatershed 1302 Total Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	98	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	59	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	22	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	37	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>163,410,600</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	10,626,979	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	149,059,572	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>159,686,552</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>3,724,049</b>	<b>Billion MPN/Year</b>

**Table O-69. Subwatershed 1302 Enterococcus Load Duration Curve**

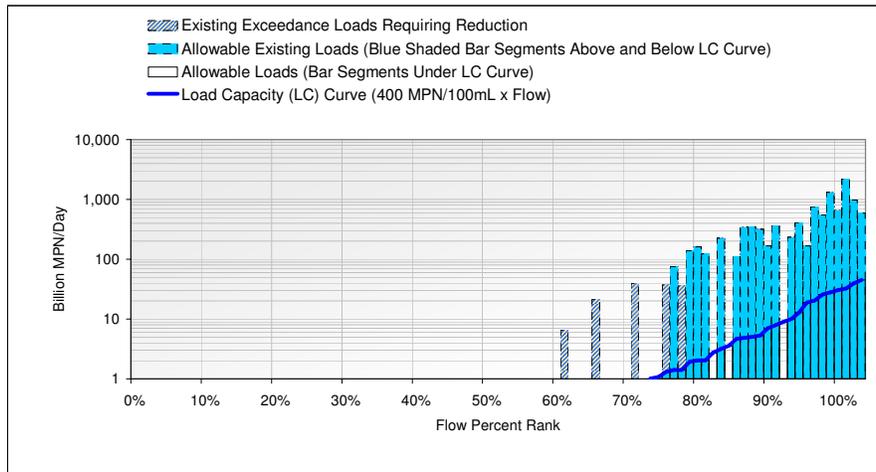


<b>Subwatershed 1302 Enterococcus Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	98	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	69	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	22	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	47	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>14,781,447</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	113,146	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	14,179,522	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>14,292,668</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>488,779</b>	<b>Billion MPN/Year</b>

## **Miramar Reservoir HA** Load Duration Curves

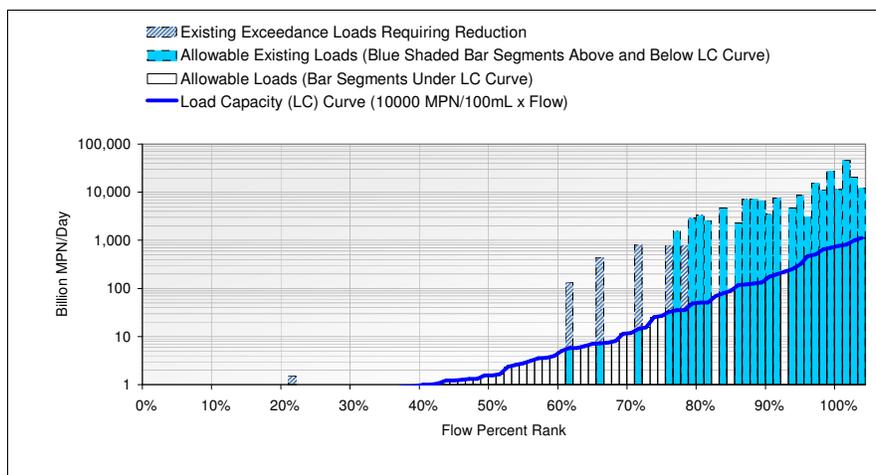
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**Table O-70. Subwatershed 1401 Fecal Coliform Load Duration Curve**



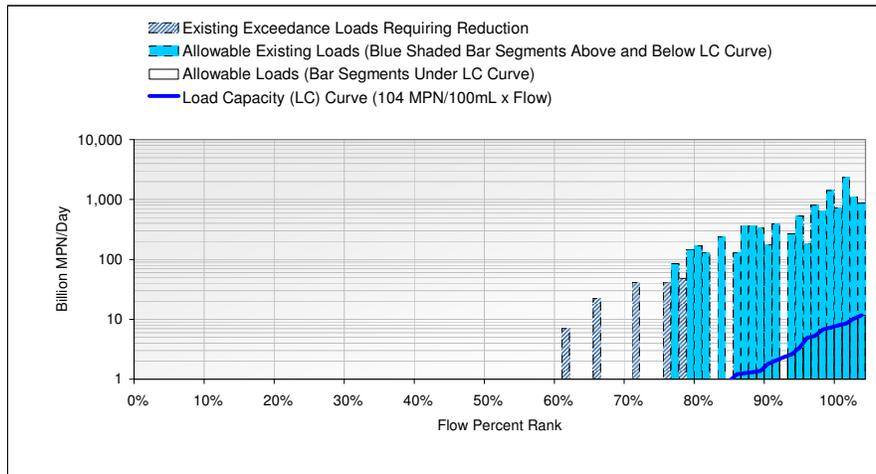
<b>Subwatershed 1401 Fecal Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	94	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	28	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	21	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	7	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>10,392</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	312	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	9,943	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>10,256</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>136</b>	<b>Billion MPN/Year</b>

**Table O-71. Subwatershed 1401 Total Coliform Load Duration Curve**



<b>Subwatershed 1401 Total Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	94	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	28	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	21	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	7	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>212,986</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	7,809	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	202,371	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>210,180</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>2,807</b>	<b>Billion MPN/Year</b>

**Table O-72. Subwatershed 1401 Enterococcus Load Duration Curve**

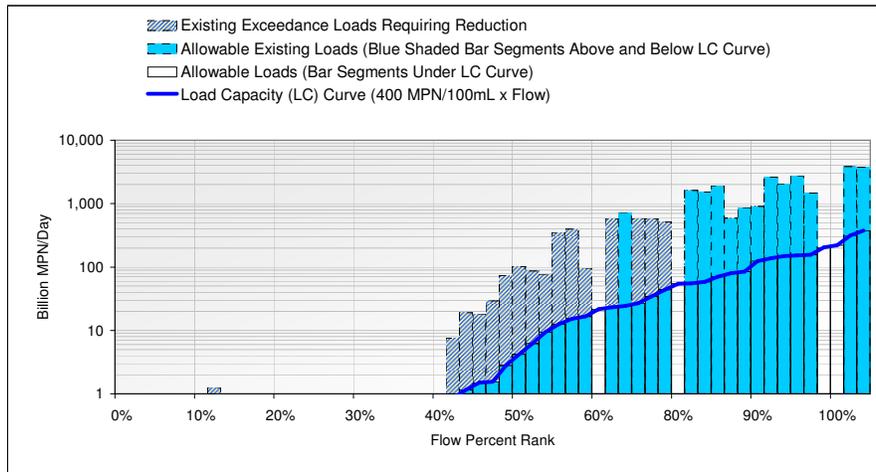


<b>Subwatershed 1401 Enterococcus Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	94	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	28	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	21	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	7	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>11,564</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	81	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	11,323	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>11,405</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>160</b>	<b>Billion MPN/Year</b>

## **Scripps HA** Load Duration Curves

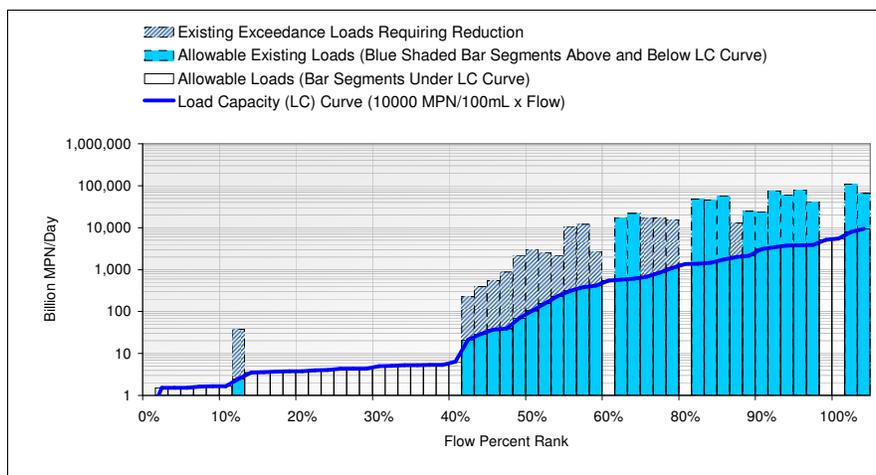
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**Table O-73. Subwatershed 1501 Fecal Coliform Load Duration Curve**



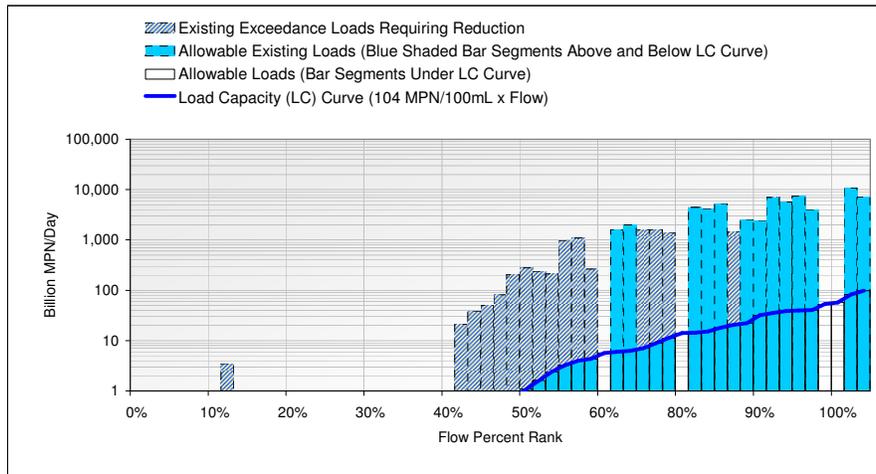
<b>Subwatershed 1501 Fecal Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	57	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	29	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	13	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	16	Days
<b>Total Existing Load for Existing Condition (Sum of All Shaded Bar Segments)</b>	<b>28,044</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	1,983	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	22,749	Billion MPN/Year
<b>Total Allowable Load [TMDL] (Sum of Allowable Load and Allowable Exceedance Load)</b>	<b>24,731</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction (Total Existing Load - Total Allowable Load)</b>	<b>3,312</b>	<b>Billion MPN/Year</b>

**Table O-74. Subwatershed 1501 Total Coliform Load Duration Curve**



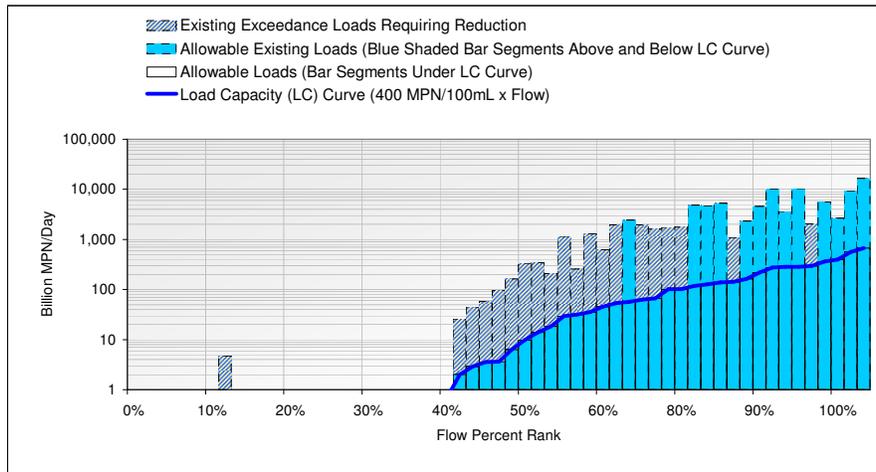
<b>Subwatershed 1501 Total Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	57	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	29	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	13	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	16	Days
<b>Total Existing Load for Existing Condition (Sum of All Shaded Bar Segments)</b>	<b>768,912</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	49,567	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	625,589	Billion MPN/Year
<b>Total Allowable Load [TMDL] (Sum of Allowable Load and Allowable Exceedance Load)</b>	<b>675,156</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction (Total Existing Load - Total Allowable Load)</b>	<b>93,756</b>	<b>Billion MPN/Year</b>

**Table O-75. Subwatershed 1501 Enterococcus Load Duration Curve**



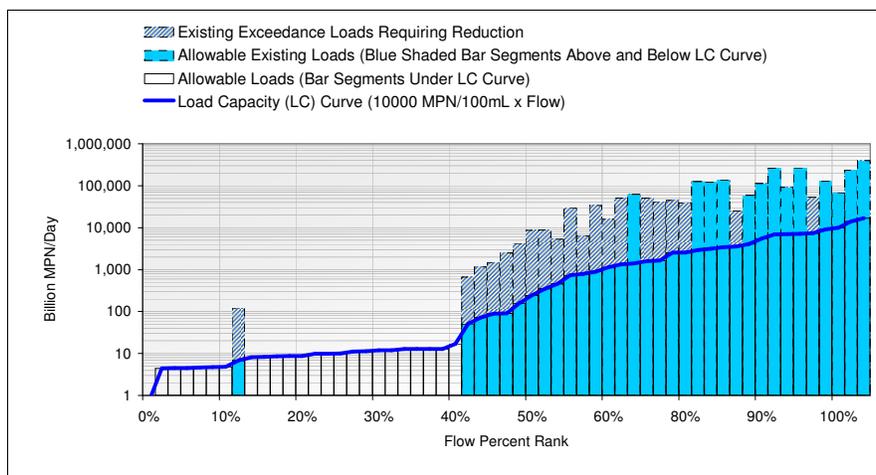
<b>Subwatershed 1501 Enterococcus Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	57	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	29	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	13	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	16	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>74,057</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	515	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	64,059	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>64,574</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>9,483</b>	<b>Billion MPN/Year</b>

**Table O-76. Subwatershed 1503 Fecal Coliform Load Duration Curve**



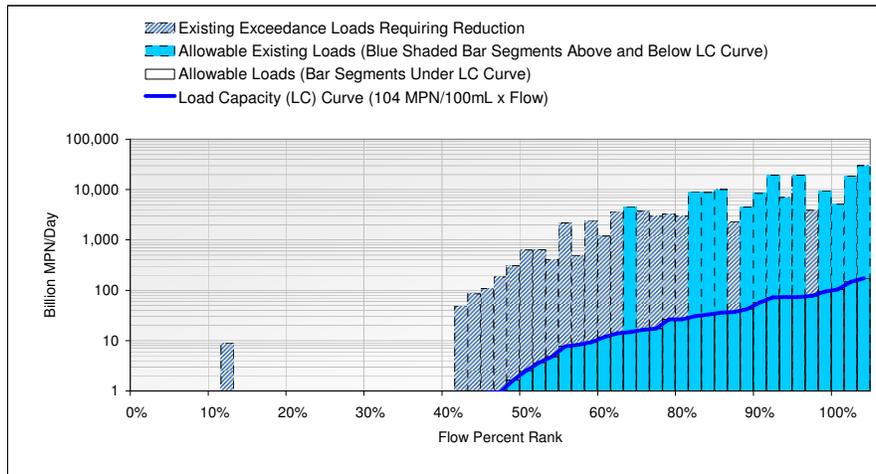
<b>Subwatershed 1503 Fecal Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	57	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	33	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	13	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	20	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>98,955</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	4,683	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	78,531	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>83,214</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>15,740</b>	<b>Billion MPN/Year</b>

**Table O-77. Subwatershed 1503 Total Coliform Load Duration Curve**



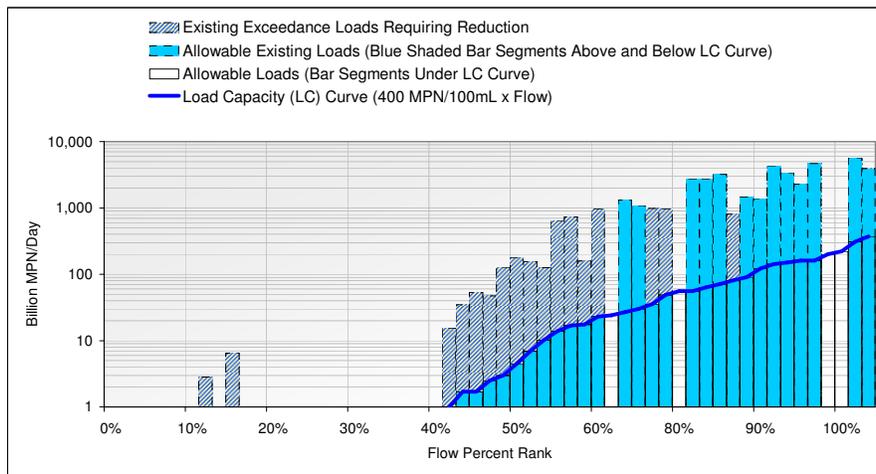
<b>Subwatershed 1503 Total Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	57	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	33	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	13	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	20	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>2,485,458</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	117,080	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	1,971,219	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>2,088,298</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>397,159</b>	<b>Billion MPN/Year</b>

**Table O-78. Subwatershed 1503 Enterococcus Load Duration Curve**



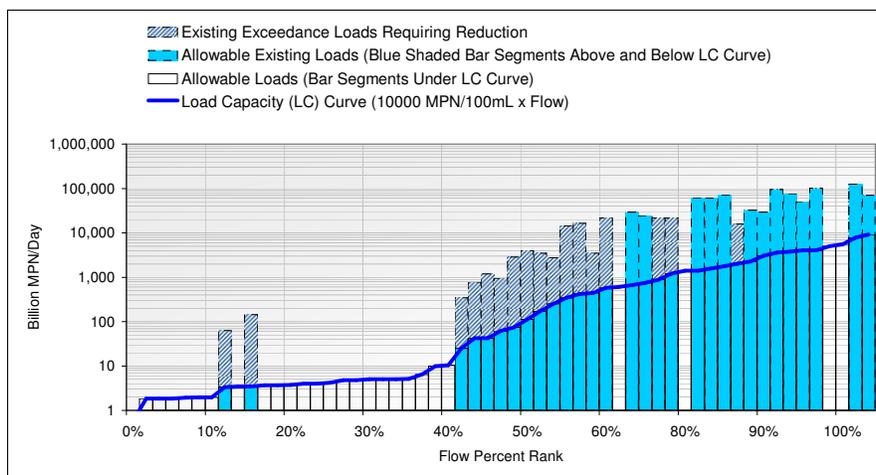
<b>Subwatershed 1503 Enterococcus Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	57	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	33	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	13	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	20	Days
<b>Total Existing Load for Existing Condition (Sum of All Shaded Bar Segments)</b>	<b>185,674</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	1,218	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	153,059	Billion MPN/Year
<b>Total Allowable Load [TMDL] (Sum of Allowable Load and Allowable Exceedance Load)</b>	<b>154,277</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction (Total Existing Load - Total Allowable Load)</b>	<b>31,398</b>	<b>Billion MPN/Year</b>

**Table O-79. Subwatershed 1505 Fecal Coliform Load Duration Curve**



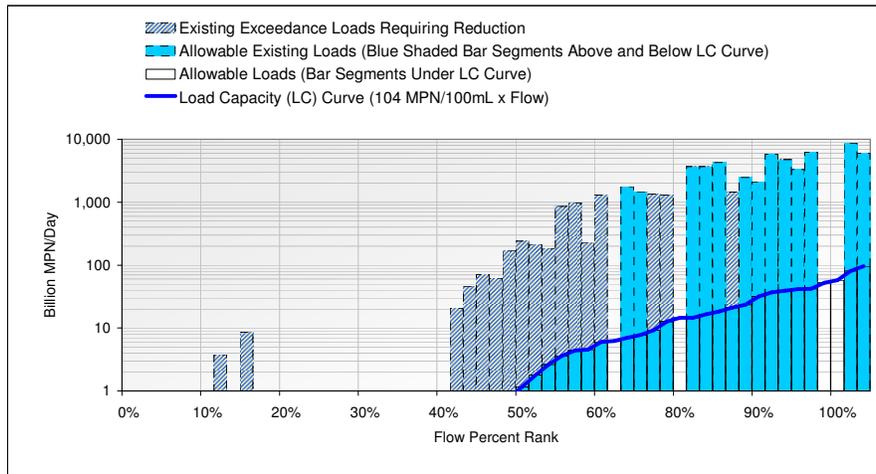
<b>Subwatershed 1505 Fecal Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	57	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	30	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	13	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	17	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>44,212</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	2,023	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	36,432	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>38,455</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>5,757</b>	<b>Billion MPN/Year</b>

**Table O-80. Subwatershed 1505 Total Coliform Load Duration Curve**



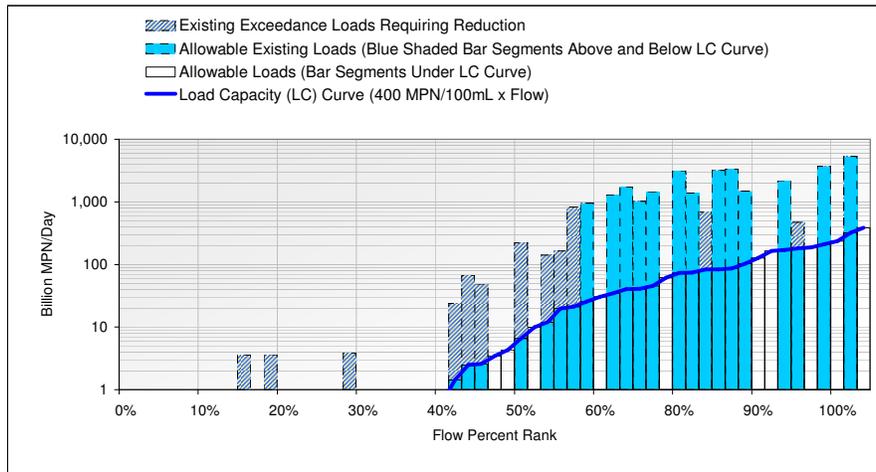
<b>Subwatershed 1505 Total Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	57	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	30	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	13	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	17	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>958,988</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	50,571	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	783,138	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>833,709</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>125,279</b>	<b>Billion MPN/Year</b>

**Table O-81. Subwatershed 1505 Enterococcus Load Duration Curve**



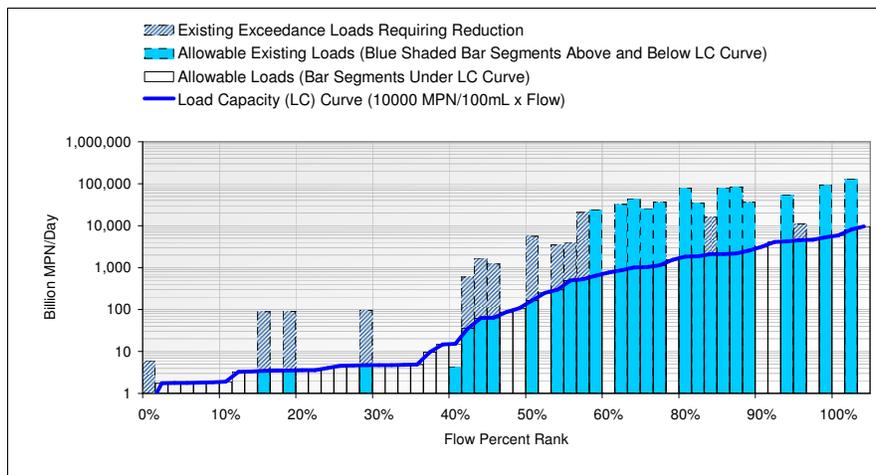
<b>Subwatershed 1505 Enterococcus Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	57	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	30	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	13	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	17	Days
<b>Total Existing Load for Existing Condition (Sum of All Shaded Bar Segments)</b>	<b>62,646</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	526	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	53,700	Billion MPN/Year
<b>Total Allowable Load [TMDL] (Sum of Allowable Load and Allowable Exceedance Load)</b>	<b>54,226</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction (Total Existing Load - Total Allowable Load)</b>	<b>8,420</b>	<b>Billion MPN/Year</b>

**Table O-82. Subwatershed 1507 Fecal Coliform Load Duration Curve**



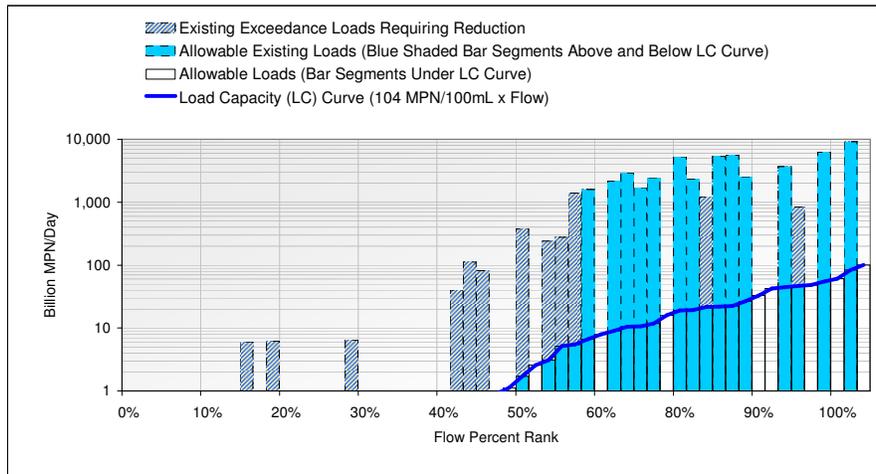
<b>Subwatershed 1507 Fecal Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	57	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	26	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	13	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	13	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>32,846</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	1,640	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	28,866	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>30,506</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>2,340</b>	<b>Billion MPN/Year</b>

**Table O-83. Subwatershed 1507 Total Coliform Load Duration Curve**



<b>Subwatershed 1507 Total Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	57	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	26	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	13	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	13	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>816,160</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	41,010	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	718,799	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>759,809</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>56,351</b>	<b>Billion MPN/Year</b>

**Table O-84. Subwatershed 1507 Enterococcus Load Duration Curve**

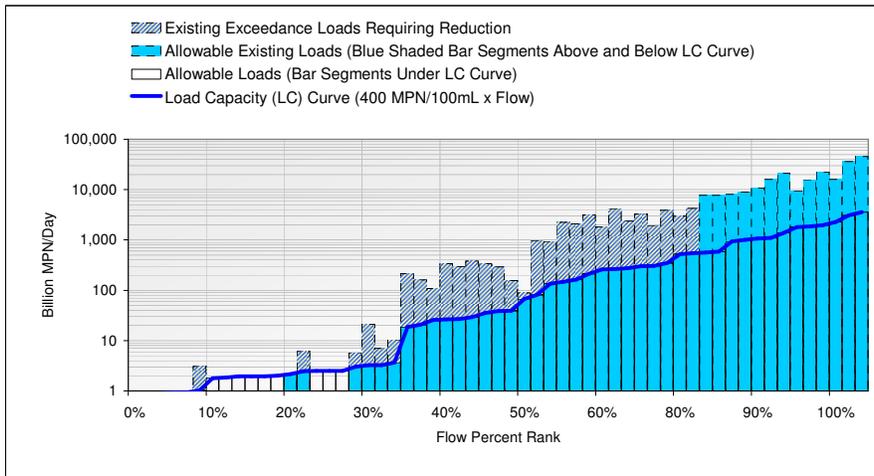


<b>Subwatershed 1507 Enterococcus Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	57	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	27	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	13	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	14	Days
<b>Total Existing Load for Existing Condition (Sum of All Shaded Bar Segments)</b>	<b>55,462</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	427	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	50,529	Billion MPN/Year
<b>Total Allowable Load [TMDL] (Sum of Allowable Load and Allowable Exceedance Load)</b>	<b>50,956</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction (Total Existing Load - Total Allowable Load)</b>	<b>4,506</b>	<b>Billion MPN/Year</b>

## **Tecolote HA** Load Duration Curves

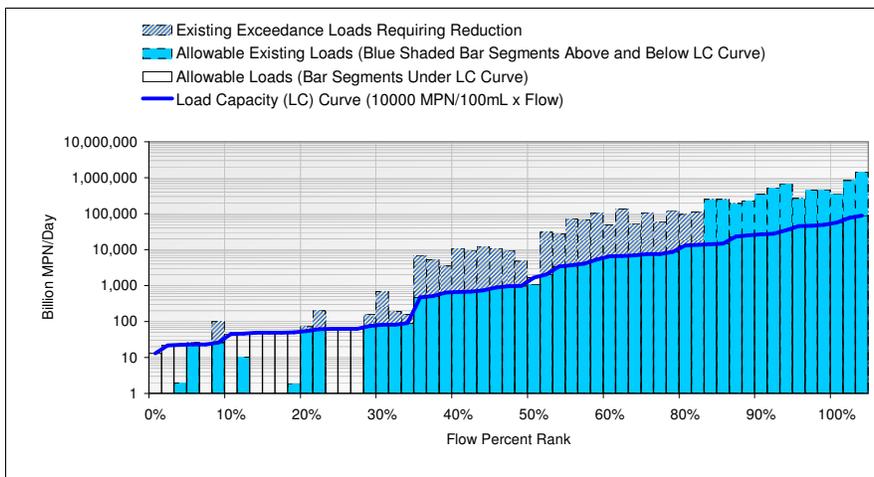
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**Table O-85. Subwatershed 1700 Fecal Coliform Load Duration Curve**



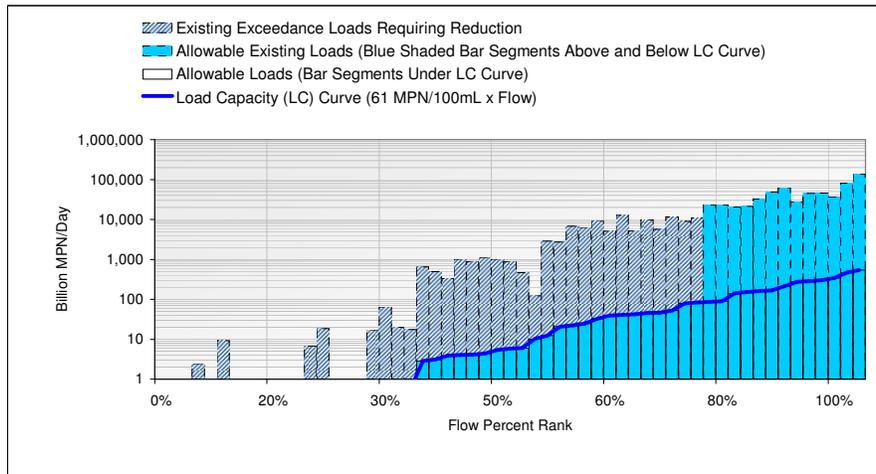
<b>Subwatershed 1700 Fecal Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	57	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	43	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	13	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	30	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>261,966</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	25,080	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	204,241	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>229,322</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>32,644</b>	<b>Billion MPN/Year</b>

**Table O-86. Subwatershed 1700 Total Coliform Load Duration Curve**



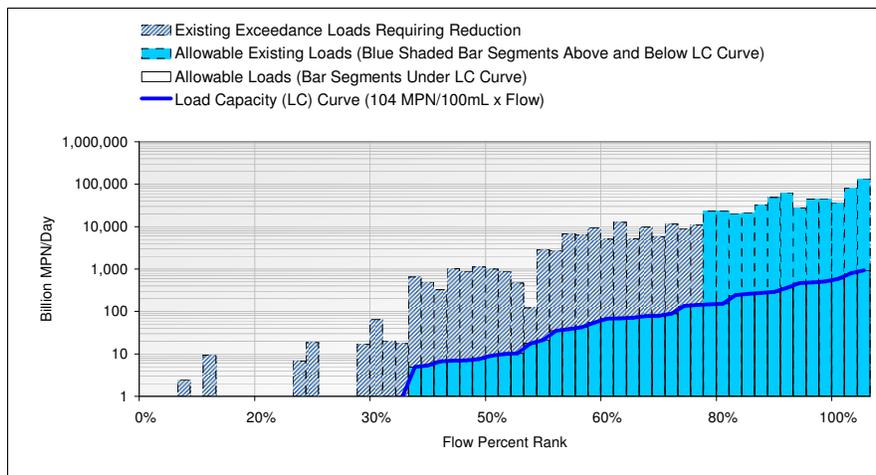
<b>Subwatershed 1700 Total Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	57	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	43	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	13	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	30	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>7,395,789</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	626,414	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	5,753,355	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>6,379,770</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>1,016,019</b>	<b>Billion MPN/Year</b>

**Table O-87a. Subwatershed 1700 Enterococcus (61) Load Duration Curve**



<b>Subwatershed 1700 Enterococcus (61) Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	57	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	46	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	13	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	33	Days
<b>Total Existing Load for Existing Condition (Sum of All Shaded Bar Segments)</b>	<b>708,256</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	3,825	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	599,936	Billion MPN/Year
<b>Total Allowable Load [TMDL] (Sum of Allowable Load and Allowable Exceedance Load)</b>	<b>603,761</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction (Total Existing Load - Total Allowable Load)</b>	<b>104,495</b>	<b>Billion MPN/Year</b>

**Table O-87b. Subwatershed 1700 Enterococcus (104) Load Duration Curve**

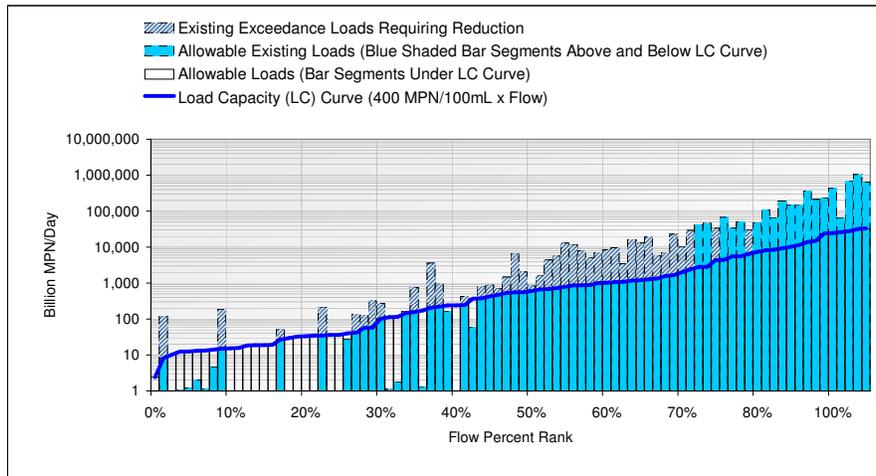


<b>Subwatershed 1700 Enterococcus (104) Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	57	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	45	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	13	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	32	Days
<b>Total Existing Load for Existing Condition (Sum of All Shaded Bar Segments)</b>	<b>708,256</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	6,522	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	597,659	Billion MPN/Year
<b>Total Allowable Load [TMDL] (Sum of Allowable Load and Allowable Exceedance Load)</b>	<b>604,180</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction (Total Existing Load - Total Allowable Load)</b>	<b>104,076</b>	<b>Billion MPN/Year</b>

**Mission San Diego HSA/Santee HSA**  
Load Duration Curves

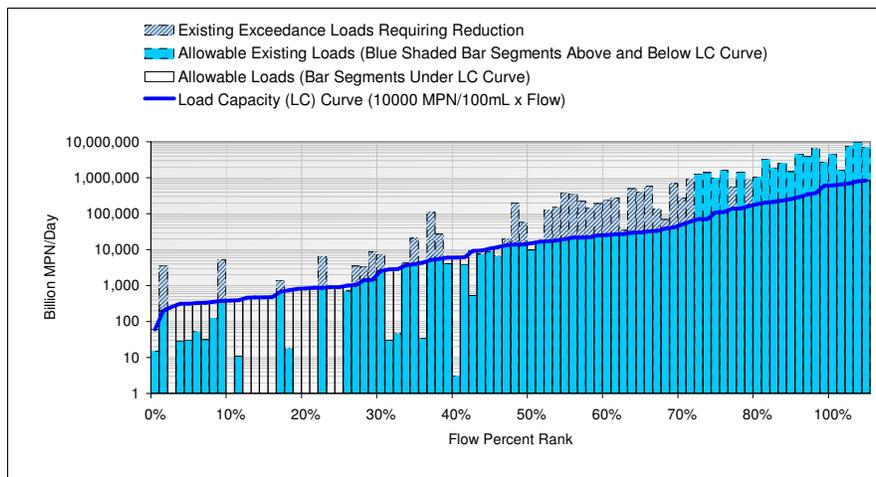
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**Table O-88. Subwatershed 1801 Fecal Coliform Load Duration Curve**



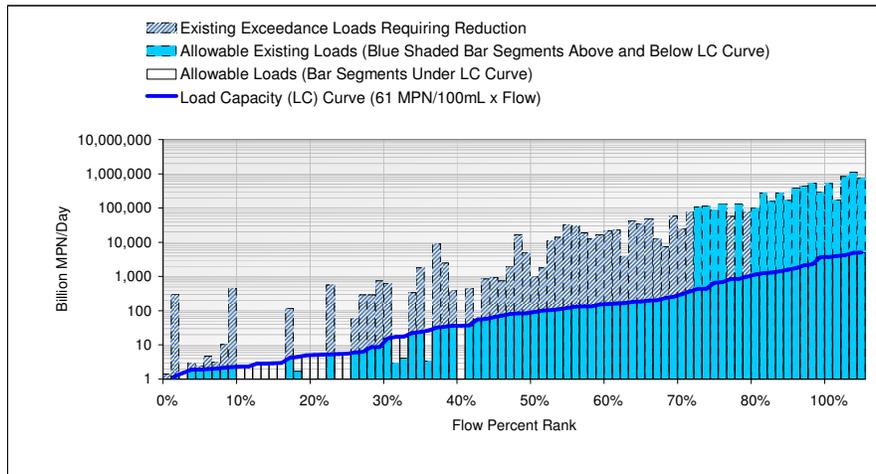
<b>Subwatershed 1801 Fecal Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	86	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	60	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	19	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	41	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>4,932,380</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	310,820	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	4,370,018	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>4,680,838</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>251,543</b>	<b>Billion MPN/Year</b>

**Table O-89. Subwatershed 1801 Total Coliform Load Duration Curve**



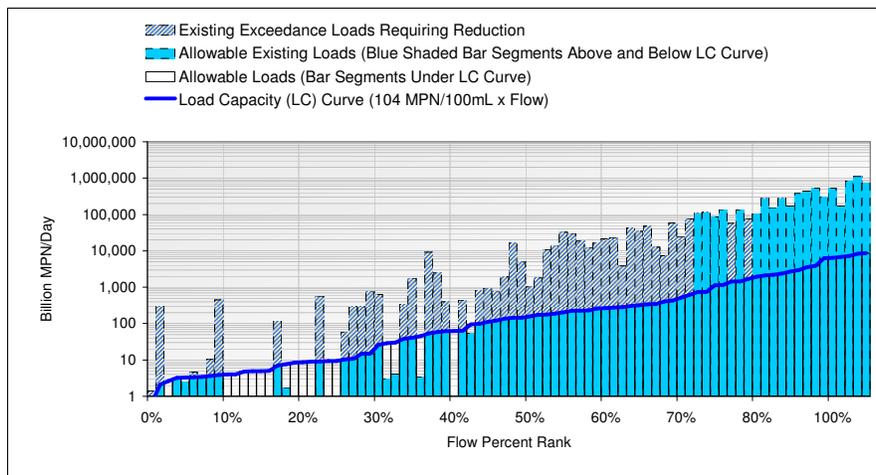
<b>Subwatershed 1801 Total Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	86	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	54	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	19	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	35	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>72,757,569</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	7,752,284	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	58,352,938	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>66,105,222</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>6,652,347</b>	<b>Billion MPN/Year</b>

**Table O-90a. Subwatershed 1801 Enterococcus (61) Load Duration Curve**



<b>Subwatershed 1801 Enterococcus (61) Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	86	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	68	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	19	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	49	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>7,255,759</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	47,479	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	6,543,487	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>6,590,966</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>664,794</b>	<b>Billion MPN/Year</b>

**Table O-90b. Subwatershed 1801 Enterococcus (104) Load Duration Curve**

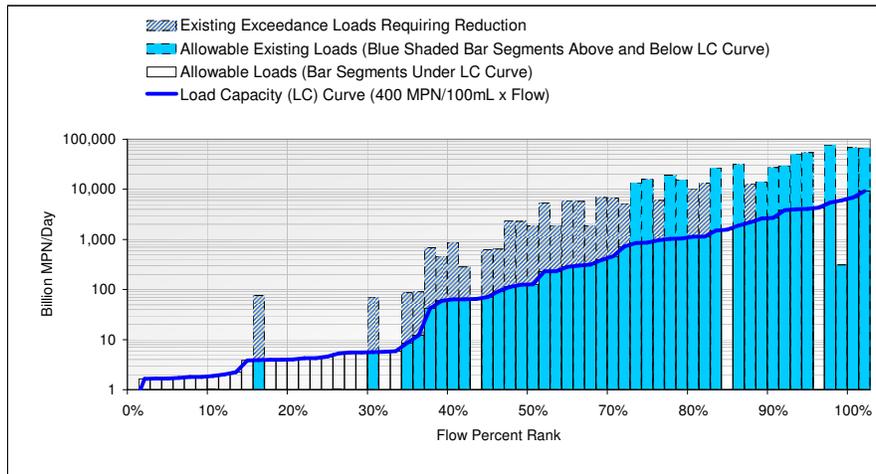


<b>Subwatershed 1801 Enterococcus (104) Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	86	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	65	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	19	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	46	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>7,255,759</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	80,899	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	6,514,309	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>6,595,208</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>660,551</b>	<b>Billion MPN/Year</b>

## **Chollas HSA** Load Duration Curves

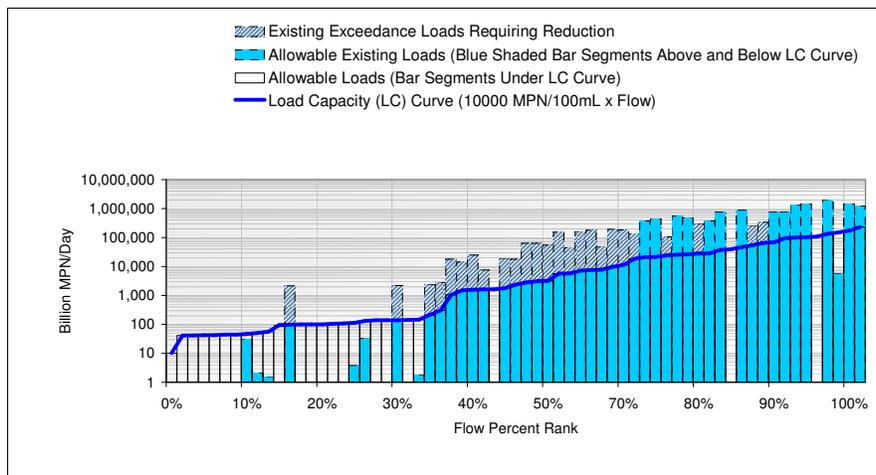
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**Table O-91. Subwatershed 1901 Fecal Coliform Load Duration Curve**



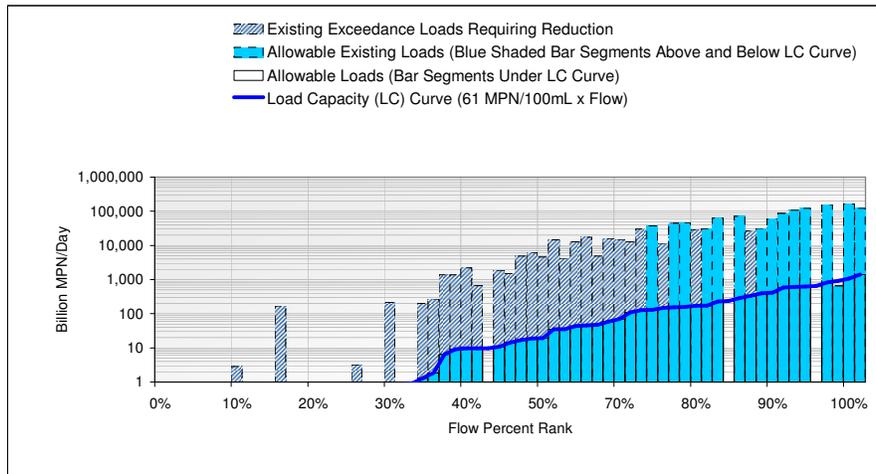
<b>Subwatershed 1901 Fecal Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	65	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	39	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	14	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	25	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>603,863</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	55,516	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	464,924	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>520,440</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>83,423</b>	<b>Billion MPN/Year</b>

**Table O-92. Subwatershed 1901 Total Coliform Load Duration Curve**



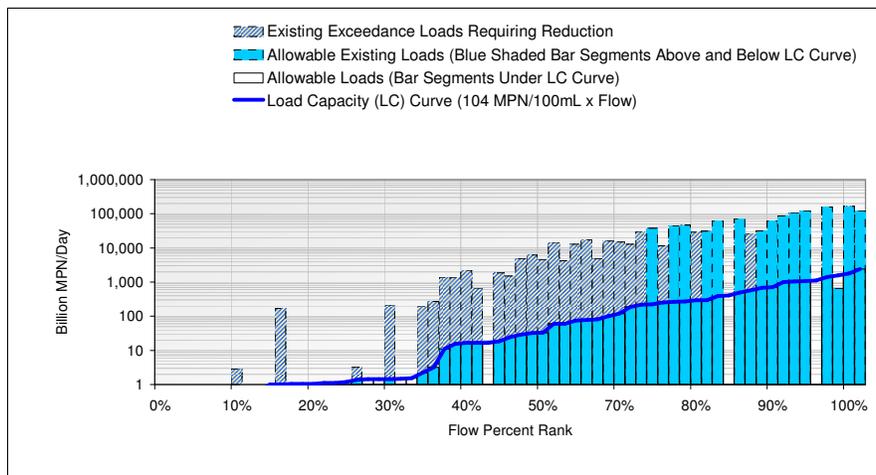
<b>Subwatershed 1901 Total Coliform Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	65	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	39	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	14	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	25	Days
<b>Total Existing Load for Existing Condition</b> (Sum of All Shaded Bar Segments)	<b>15,390,608</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	1,386,037	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	11,861,589	Billion MPN/Year
<b>Total Allowable Load [TMDL]</b> (Sum of Allowable Load and Allowable Exceedance Load)	<b>13,247,626</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction</b> (Total Existing Load - Total Allowable Load)	<b>2,142,982</b>	<b>Billion MPN/Year</b>

**Table O-93a. Subwatershed 1901 Enterococcus (61) Load Duration Curve**



<b>Subwatershed 1901 Enterococcus (61) Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	65	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	41	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	14	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	27	Days
<b>Total Existing Load for Existing Condition (Sum of All Shaded Bar Segments)</b>	<b>1,371,972</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	9,073	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	1,143,572	Billion MPN/Year
<b>Total Allowable Load [TMDL] (Sum of Allowable Load and Allowable Exceedance Load)</b>	<b>1,152,645</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction (Total Existing Load - Total Allowable Load)</b>	<b>219,327</b>	<b>Billion MPN/Year</b>

**Table O-93b. Subwatershed 1901 Enterococcus (104) Load Duration Curve**



<b>Subwatershed 1901 Enterococcus (104) Loading Summary</b>		
	<b>Value</b>	<b>Units</b>
Total Wet Days During Critical Wet Year	65	Days
Total Wet Exceedance Days (Number of Bars with Segment Above LC Curve)	41	Days
Allowable Wet Weather Exceedance Frequency	22	Percentage
Allowable Wet Exceedance Days (Total Wet Days x Exceedance Frequency)	14	Days
Non-Allowable Wet Exceedance Days Requiring Load Reduction	27	Days
<b>Total Existing Load for Existing Condition (Sum of All Shaded Bar Segments)</b>	<b>1,371,972</b>	<b>Billion MPN/Year</b>
Allowable Load (Sum of Solid Outline Bar Segments Under LC Curve)	15,008	Billion MPN/Year
Allowable Exceedance Load (Sum of Blue Shaded Bar Segments Above LC Curve)	1,138,590	Billion MPN/Year
<b>Total Allowable Load [TMDL] (Sum of Allowable Load and Allowable Exceedance Load)</b>	<b>1,153,599</b>	<b>Billion MPN/Year</b>
<b>Exceedance Load Requiring Reduction (Total Existing Load - Total Allowable Load)</b>	<b>218,374</b>	<b>Billion MPN/Year</b>