

Sensitivity of STA Performance to Settling Rate & Target Concentration
BMP Performance: 51% (1995-1997) 1965-1995
Comparison of 50Base and Alternative-D13R
Combined Outflows from All Stormwater Treatment Areas

<u>Ke (m/yr)</u>	WCA-2A				
	STA Design	Low Est.	Water Col.	<----- ENR Project ----->	----->
	<u>10.2</u>	<u>8.0</u>	<u>12.0</u>	<u>15.0</u>	<u>20.0</u>

STA Outflow Concentrations for ECP Treatment Areas (ppb)

ALT-D13R	46	55	40	31	21
50Base	46	56	39	31	21
Difference	0	-1	0	0	1
%Difference	-0.6%	-1.4%	0.1%	1.2%	2.7%

Treatment Areas (acres) to Achieve

30 ppb

ALT-D13R	57640	75103	48431	38249	28326
50Base	57680	75124	48475	38293	28366
Difference	-40	-21	-45	-44	-39
%Difference	-0.1%	0.0%	-0.1%	-0.1%	-0.1%

Treatment Areas (acres) to Achieve

20 ppb

ALT-D13R	77956	102337	65255	51328	37867
50Base	77107	101169	64562	50799	37488
Difference	849	1168	693	529	380
%Difference	1.1%	1.2%	1.1%	1.0%	1.0%

Treatment Areas (acres) to Achieve

10 ppb

ALT-D13R	118386	160160	97754	75847	55282
50Base	115857	156654	95694	74274	54154
Difference	2529	3505	2060	1573	1128
%Difference	2.2%	2.2%	2.2%	2.1%	2.1%

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