

APPENDIX J-1: Tributary Concentration Table

California LTIMP Streams															
Note: * symbol means greater than 10% of samples exceed standard; ** symbol means no data for one or more water years															
Annual average concentrations in bold indicate standard exceeded for water year															
[Abbreviations: mg/L, milligrams per liter; ≥, greater than or equal to]															
Water Year	Trout Creek			Upper Truckee River			General Creek			Blackwood Creek			Ward Creek		
	Suspended Sediment annual average concentration ^{1,6} (mg/L)	Total Phosphorus annual average concentration ² (mg/L)	Total Nitrogen annual average concentration ^{3,7} (mg/L)	Suspended Sediment annual average concentration ^{1,6} (mg/L)	Total Phosphorus annual average concentration ² (mg/L)	Total Nitrogen annual average concentration ^{3,7} (mg/L)	Suspended Sediment annual average concentration ^{1,6} (mg/L)	Total Phosphorus annual average concentration ² (mg/L)	Total Nitrogen annual average concentration ^{4,7} (mg/L)	Suspended Sediment annual average concentration ^{1,6} (mg/L)	Total Phosphorus annual average concentration ² (mg/L)	Total Nitrogen annual average concentration ^{3,7} (mg/L)	Suspended Sediment annual average concentration ^{1,6} (mg/L)	Total Phosphorus annual average concentration ² (mg/L)	Total Nitrogen annual average concentration ^{4,7} (mg/L)
1980				55*						273*			251*	0.058*	
1981	29*	0.065*		59*	0.088*		24	0.122*		177*	0.065*		34*	0.075*	
1982	88*	0.087*		56*	0.062*		52*	0.069*		187*	0.160*		192*	0.115*	
1983	60*	0.091*		42*	0.076*		9	0.039*		44*	0.094*		47*	0.077*	
1984	77*	0.072*		58*	0.056*		10	0.030*		42*	0.065*		129*	0.078*	
1985	27	0.065*		45*	0.054*		5	0.032*		24	0.039*		12	0.049*	
1986				66*	0.077*		25*	0.037*		134*	0.130*		56*	0.077*	
1987		0.041*		19	0.041*		3	0.031*		18	0.145*		35	0.040*	
1988		0.039*	0.17*	9	0.041*	0.21*	2	0.025*		7	0.033*		5	0.032*	
1989	7	0.039*	0.20*	41*	0.042*	0.30*	5	0.023*	0.17*	21	0.035*	0.20*	44	0.033*	0.17*
1990	6	0.041*	0.18*	12	0.034*	0.20*	4	0.023*	0.14*	10	0.036*	0.15*	7	0.037*	0.13*
1991	10	0.031*	0.17*	48	0.036*	0.20*	4	0.026*	0.14*	37*	0.059*	0.22*	20	0.046*	0.17*
1992	5	0.031*	0.24*	10	0.024*	0.22*	4	0.021*	0.13*	11	0.031*	0.16*	12	0.034*	0.17*
1993	10	0.039*	0.25*	24	0.033*	0.26*	10	0.024*	0.16*	51*	0.054*	0.24*	28*	0.046*	0.19*
1994	12	0.035*	0.16*	10	0.027*	0.16*	7	0.022*	0.13*	10	0.027*	0.12*	63*	0.130*	0.21*
1995	45*	0.066*	0.35*	34*	0.048*	0.29*	16	0.028*	0.24*	77*	0.072*	0.29*	46*	0.065*	0.24*
1996	28*	0.055*	0.27*	42*	0.046*	0.21*	28	0.032*	0.20*	151*	0.135*	0.28*	180*	0.145*	0.26*
1997	23	0.052*	0.19*	38*	0.056*	0.17*	88*	0.046*	0.16*	289*	0.218*	0.27*	211*	0.203*	0.17*
1998	18	0.042*	0.22*	20*	0.036*	0.17*	24*	0.030*	0.15*	81*	0.072*	0.21*	36*	0.054*	0.15*
1999	19	0.040*	0.19*	22	0.034*	0.21*	14	0.025*	0.17*	50*	0.080*	0.16*	30	0.045*	0.16*
2000	23*	0.049*	0.18*	62*	0.087*	0.24*	12	0.026*	0.15*	57*	0.075*	0.17*	82*	0.146*	0.15*
2001	8	0.024*	0.16*	12	0.023*	0.18*	5	0.019*	0.14*	18*	0.027*	0.14*	19	0.034*	0.15*
2002	6	0.025*	0.27*	13	0.024*	0.30*	5	0.025*	0.25*	17	0.031*	0.33*	8	0.027*	0.25*
2003	17	0.040*	0.27*	36*	0.046*	0.25*	9	0.023*	0.24*	45*	0.078*	0.29*	18	0.034*	0.23*
2004	9	0.031*	0.23*	9	0.025*	0.22*	9	0.020*	0.15*	17	0.028*	0.17*	11	0.024*	0.15*
2005	32	0.044*	0.25*	40*	0.038*	0.22*	29*	0.026*	0.15*	138*	0.085*	0.31*	92*	0.080*	0.29*
2006	24	0.047*	0.24*	38*	0.049*	0.24*	82*	0.056*	0.24*	265*	0.201*	0.64*	106*	0.090*	0.24*
2007	10	0.033*	0.16*	13	0.036*	0.20*	11	0.038*	0.13*	20	0.044*	0.13*	10	0.030*	0.10*
2008	19	0.054*	0.20*	18	0.046*	0.17*	11	0.031*	0.12*	49*	0.053*	0.16*	17*	0.046*	0.10*
2009	25*	0.056*	0.29*	30	0.043*	0.19*	21*	0.028*	0.19*	153*	0.082*	0.23*	50*	0.050*	0.24*
2010	21	0.058*	0.29*	22	0.046*	0.25*	17*	0.029*	0.18*	71*	0.072*	0.31*	42*	0.068*	0.29*
2011	19	0.055*	0.23*	24	0.048*	0.22*	25*	0.038*	0.19*	121*	0.095*	0.32*	63*	0.084*	0.25*
2012	19	0.052*	0.30*	24*	0.048*	0.18*	13	0.039*	0.21*	46*	0.058*	0.14*	18*	0.040*	0.14*
2013	35*	0.065*	0.21*	23	0.045*	0.25*	18*	0.047*	0.19*	87*	0.090*	0.21*	50*	0.069*	0.34*
2014	18	0.049*	0.20*	20	0.034*	0.20*	4	0.015*	0.21*	9	0.017*	0.17*	8	0.022*	0.15*
Water Years	Percent Exceedance ⁵			Percent Exceedance ⁵			Percent Exceedance ⁵			Percent Exceedance ⁵			Percent Exceedance ⁵		
1982-1992	≥27**	≥91**	≥18**	55	100	≥45**	18	100	≥9**	45	100	≥18**	36	100	≥27**
1993-2003	27	100	55	55	100	64	18	100	64	82	100	64	64	100	73
2004-2014	18	100	91	27	100	73	55	100	64	73	100	55	73	100	55
Footnote with the Water Quality Standard values															
1	Suspended Sediment Standard: Attain a 90th percentile value for suspended sediment concentration of 60 milligrams per liter														
2	Total Phosphorus Standard: Annual average value/90th percentile value = 0.015 milligrams per liter														
3	Total Nitrogen Standard: Annual average value/90th percentile value = 0.19 milligrams per liter for Trout, Upper Truckee River and Blackwood														
4	Total Nitrogen Standard: Annual average value/90th percentile value = 0.15 milligrams per liter for General and Ward														
5	Percent exceedance of annual average value for total phosphorus and total nitrogen, and percent exceedance of suspended sediment standard.														
6	When the percent of samples exceeding 60 mg/L was calculated, if the percent was 10.5 or higher the final value was rounded up to 11 percent. If the percent was lower than 10.4, the value was rounded down to 10 percent.														
7	When annual averages were calculated, if the last significant figure (thousandth of a mg/L) was 5 or higher then the final value was rounded up to the next hundredth of a mg/L. If the last significant figure was lower than 5, then the final value was rounded down. For example 0.157 mg/L was reported as 0.16 mg/L while 0.153 mg/L was reported as 0.15 mg/L														

Nevada LTIMP Streams				
Note: * symbol means greater than 10% of samples exceed standard; ** symbol means no data for one or more water years				
Annual average concentrations in bold indicate standard exceeded for water year				
[Abbreviations: mg/L, milligrams per liter; ≥, greater than or equal to]				
Water Year	Third Creek		Incline Creek	
	Suspended Sediment annual average concentration ^{1,4} (mg/L)	Total Phosphorus annual average concentration ^{2,5} (mg/L)	Suspended Sediment annual average concentration ^{1,4} (mg/L)	Total Phosphorus annual average concentration ^{2,5} (mg/L)
1980	369*			
1981	52*	0.072		
1982	143*	0.178		
1983	83*	0.121		
1984	175*	0.079		
1985	23	0.056		
1986				
1987				
1988		0.013		0.028
1989	295*	0.182	140*	0.122
1990	115*	0.310	41*	0.091
1991	653*	0.315	167*	0.128
1992	400*	0.167	38*	0.086
1993	571*	0.147	70*	0.091
1994	78*	0.121	44*	0.110
1995	250*	0.256	107*	0.133
1996	59*	0.079	49*	0.088
1997	76*	0.087	69*	0.112
1998	43*	0.085	38*	0.073
1999	154*	0.240	72*	0.132
2000	41*	0.097	17	0.045
2001	9	0.032	15	0.049
2002	32*	0.084	22	0.052
2003	34*	0.058	46*	0.108
2004	15	0.038	15	0.041
2005	28*	0.045	46*	0.056
2006	39*	0.055	113*	0.086
2007	8	0.034	5	0.034
2008	12	0.047	12	0.053
2009	22*	0.048	16	0.049
2010	59*	0.053	40*	0.065
2011	48*	0.087	63*	0.083
2012	12	0.035	9	0.044
2013	11	0.041	21	0.055
2014	9	0.037	11	0.047
Water Years	Percent Exceedance ³		Percent Exceedance ³	
1982-1992	≥64**	≥73**	≥36**	≥36**
1993-2003	91	91	73	73
2004-2014	45	18	36	45
Footnote with the Water Quality Standard values				
1	Suspended Sediment Standard: Attain a 90th percentile value for suspended sediment concentration of 60 milligrams per liter			
2	Total Phosphorus Standard: Annual average value = 0.05 milligrams per liter			
3	Percent exceedance of annual average value for total phosphorus, and percent exceedance of suspended sediment standard.			
4	When the percent of samples exceeding 60 mg/L was calculated, if the percent was 10.5 or higher the final value was rounded up to 11 percent. If the percent was lower than 10.4, the value was rounded down to 10 percent.			
5	When annual averages were calculated, if the last significant figure (thousandth of a mg/L) was 5 or higher then the final value was rounded up to the next hundredth of a mg/L when deciding if the value exceeded the standard. If the last significant figure was lower than 5, then the final value was rounded down. For example 0.053 mg/L was rounded to 0.05 mg/L and determined to meet the standard, while 0.055 mg/L was rounded to 0.06 mg/L and determined to not meet the standard.			