

## **Appendix B – Stream Classifications and Water Quality Standards**

# STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

REGION: 8  BASIN: Alamosa River/La Jara Creek/Conejos River  Stream Segment Description	Desig	Classifications	NUMERIC STANDARDS						TEMPORARY MODIFICATIONS AND QUALIFIERS	
			PHYSICAL and BIOLOGICAL	INORGANIC mg/l			METALS ug/l			
1. All tributaries to the Rio Grande, including all wetlands, lakes and reservoirs which are within the South San Juan Wilderness area.	OW	Aq Life Cold 1 Recreation 1a Water Supply Agriculture	D.O. = 6.0 mg/l D.O.(sp)=7.0 mg/l pH = 6.5-9.0 F.Coli=200/100ml E.Coli=126/100ml	NH <sub>3</sub> (ac)=TVS NH <sub>3</sub> (ch)=0.02 Cl <sub>2</sub> (ac)=0.019 Cl <sub>2</sub> (ch)=0.011 CN=0.005	S=0.002 B=0.75 NO <sub>2</sub> =0.05 NO <sub>3</sub> =10 Cl=250 SO <sub>4</sub> =WS	As(ac)=50(Trec) Cd(ac)=TVS(tr) Cd(ch)=TVS CrIII(ac)=50(Trec) CrVI(ac)/ch)=TVS Cu(ac)/ch)=TVS	Fe(ch)=WS(dis) Fe(ch)=1000(Trec) Pb(ac)/ch)=TVS Mn(ch)=WS(dis) Mn(ac)/ch)=TVS	Hg(ch)=0.01(Trec) Ni(ac)/ch)=TVS Se(ac)/ch)=TVS Ag(ch)=TVS Ag(ch)=TVS(tr) Zn(ac)/ch)=TVS		
2. Mainstem of the Alamosa River, including all tributaries, wetlands, lakes and reservoirs from source to immediately above the confluence with Alum Creek, except for specific listings in segment 1.		Aq Life Cold 1 Recreation 1a Water Supply Agriculture	D.O. = 6.0 mg/l D.O.(sp)=7.0 mg/l pH = 6.5-9.0 F.Coli=200/100ml E.Coli=126/100ml	NH <sub>3</sub> (ac)=TVS NH <sub>3</sub> (ch)=0.02 Cl <sub>2</sub> (ac)=0.019 Cl <sub>2</sub> (ch)=0.011 CN=0.005	S=0.002 B=0.75 NO <sub>2</sub> =0.05 NO <sub>3</sub> =10 Cl=250 SO <sub>4</sub> =WS	As(ac)=50(Trec) Cd(ac)=TVS(tr) Cd(ch)=TVS CrIII(ac)=50(Trec) CrVI(ac)/ch)=TVS Cu(ac)/ch)=TVS	Fe(ch)=WS(dis) Fe(ch)=1000(Trec) Pb(ac)/ch)=TVS Mn(ch)=WS(dis) Mn(ac)/ch)=TVS	Hg(ch)=0.01(Trec) Ni(ac)/ch)=TVS Se(ac)/ch)=TVS Ag(ac)=TVS Ag(ch)=TVS(tr) Zn(ac)/ch)=TVS		
3a. Mainstem of Alamosa River from immediately above the confluence with Alum Creek to immediately above the confluence of Wightman Fork.	UP	Aq Life Cold 2 Recreation 1a Agriculture	D.O. = 6.0 mg/l D.O. (sp)=7.0 mg/l F.Coli=200/100ml E.Coli=126/100ml  <b>Seasonal Stds.</b> <b>12/1-2/28</b> pH=3.52-9.0 <b>3/1-5/31:</b> pH=4.0-9.0 <b>6/1-8/31</b> pH=4.73-9.0 <b>9/1-11/31:</b> pH= 3.94-9.0	NH <sub>3</sub> (ac)=TVS NH <sub>3</sub> (ch)=0.02 Cl <sub>2</sub> (ac)=0.019 Cl <sub>2</sub> (ch)=0.011 CN=0.005	S=0.002 B=0.75 NO <sub>2</sub> =0.05	Al(ac)=750 As(ch)=100(Trec) Cd(ac)=TVS(tr) Cd(ch)=TVS CrIII(ac)=50(Trec) CrVI(ac)/ch)=TVS	Cu(ac)=TVS Fe(ch)=12000(Trec) Pb(ac)/ch)=TVS Mn(ac)/ch)=TVS Hg(ch)=0.01(Trec) Ni(ac)/ch)=TVS	Se(ac)/ch)=TVS Ag(ac)=TVS Ag(ch)=TVS(tr) Zn(ac)/ch)=TVS		
3b. Mainstem of the Alamosa River from immediately above the confluence with the Wightman Fork to immediately above the confluence with Fern Creek.	UP	Aq Life Cold 1 Recreation 1a Agriculture	D.O. = 6.0 mg/l D.O.(sp)=7.0 mg/l pH = 6.5-9.0 F.Coli=200/100ml E.Coli=126/100ml	NH <sub>3</sub> (ac)=TVS NH <sub>3</sub> (ch)=0.02 Cl <sub>2</sub> (ac)=0.019 Cl <sub>2</sub> (ch)=0.011 CN=0.005	S=0.002 B=0.75 NO <sub>2</sub> =0.05	Al(ac)=750 As(ch)=100(Trec) Cd(ac)=TVS(tr) Cd(ch)=TVS CrIII(ac)=50(Trec) CrVI(ac)/ch)=TVS	Cu(ac)=TVS Cu(ch)=30 Fe(ch)=12000(Trec) Pb(ac)/ch)=TVS Mn(ac)/ch)=TVS Hg(ch)=0.01(Trec)	Ni(ac)/ch)=TVS Se(ac)/ch)=TVS Ag(ac)=TVS Ag(ch)=TVS(tr) Zn(ac)/ch)=TVS  <b>Seasonal Stds:</b> <b>5/1-9/30</b> Al(ch)=87		
3c. Mainstem of the Alamosa River from immediately below the confluence with Fern Creek to the confluence with Ranger Creek.	UP	Aq Life Cold 1 Recreation 1a Agriculture	D.O. = 6.0 mg/l D.O.(sp)=7.0 mg/l pH = 6.5-9.0 F.Coli=200/100ml E.Coli=126/100ml	NH <sub>3</sub> (ac)=TVS NH <sub>3</sub> (ch)=0.02 Cl <sub>2</sub> (ac)=0.019 Cl <sub>2</sub> (ch)=0.011 CN=0.005	S=0.002 B=0.75 NO <sub>2</sub> =0.05	Al(ac)=750 Al(ch)=87 As(ch)=100(Trec) Cd(ac)=TVS(tr) Cd(ch)=TVS CrIII(ac)=50(Trec)	CrVI(ac)/ch)=TVS Cu(ac)/ch)=TVS Fe(ch)=12000(Trec) Pb(ac)/ch)=TVS Mn(ac)/ch)=TVS Hg(ch)=0.01(Trec)	Ni(ac)/ch)=TVS Se(ac)/ch)=TVS Ag(ac)=TVS Ag(ch)=TVS(tr) Zn(ac)/ch)=TVS		
3d. Mainstem of the Alamosa River from immediately below the confluence with Ranger Creek to the inlet of Terrace Reservoir		Aq Life Cold 1 Recreation 1a Agriculture	D.O. = 6.0 mg/l D.O.(sp)=7.0 mg/l pH = 6.5-9.0 F.Coli=200/100ml E.Coli=126/100ml	NH <sub>3</sub> (ac)=TVS NH <sub>3</sub> (ch)=0.02 Cl <sub>2</sub> (ac)=0.019 Cl <sub>2</sub> (ch)=0.011 CN=0.005	S=0.002 B=0.75 NO <sub>2</sub> =0.05	Al(ac)=750 Al(ch)=87 As(ch)=100(Trec) Cd(ac)=TVS(tr) Cd(ch)=TVS CrIII(ac)=50(Trec)	CrVI(ac)/ch)=TVS Cu(ac)/ch)=TVS Fe(ch)=12000(Trec) Pb(ac)/ch)=TVS Mn(ac)/ch)=TVS Hg(ch)=0.01(Trec)	Ni(ac)/ch)=TVS Se(ac)/ch)=TVS Ag(ac)=TVS Ag(ch)=TVS(tr) Zn(ac)/ch)=TVS		
4a. Mainstem of Alum Creek, Bitter Creek, Burnt Creek and Iron Creek from their sources to their confluences with the Alamosa River with the exception of 4b.	UP	Recreation 1a Agriculture	pH = 2.5-9.0 F.Coli=200/100ml E.Coli=126/100ml							



# STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Stream Segment Description			PHYSICAL and BIOLOGICAL	INORGANIC		METALS			
				mg/l		ug/l			
13. Mainstem Hot Creek from source to confluence with La Jara Creek.		Aq Life Cold 1 Recreation 1a Water Supply Agriculture	D.O. = 6.0 mg/l D.O.(sp)=7.0 mg/l pH=6.5-9.0 F.Coli=200/100ml E.Coli=126/100ml	NH <sub>3</sub> (ac)=TVS NH <sub>3</sub> (ch)=0.02 Cl <sub>2</sub> (ac)=0.019 Cl <sub>2</sub> (ch)=0.011 CN=0.005	S=0.002 B=0.75 NO <sub>2</sub> =0.05 NO <sub>3</sub> =10 Cl=250 SO <sub>4</sub> =WS	As(ac)=50(Trec) Cd(ac)=TVS(tr) Cd(ch)=TVS CrIII(ac)=50(Trec) CrVI(ac/ch)=TVS Cu(ac/ch)=TVS	Fe(ch)=WS(dis) Fe(ch)=1000(Trec) Pb(ac/ch)=TVS Mn(ch)=WS(dis) Mn(ac/ch)=TVS Hg(ch)=0.01(Trec)	Ni(ac/ch)=TVS Se(ac/ch)=TVS Ag(ac)=TVS Ag(ch)=TVS(tr) Zn(ac/ch)=TVS	
14. Mainstem of Conejos River including all tributaries, wetlands, lakes and reservoirs, from source to immediately above the confluence with Fox Creek except for specific listing in segment 1.		Aq Life Cold 1 Recreation 1a Water Supply Agriculture	D.O. = 6.0 mg/l D.O.(sp)=7.0 mg/l pH = 6.5-9.0 F.Coli=200/100ml E.Coli=126/100ml	NH <sub>3</sub> (ac)=TVS NH <sub>3</sub> (ch)=0.02 Cl <sub>2</sub> (ac)=0.019 Cl <sub>2</sub> (ch)=0.011 CN=0.005	S=0.002 B=0.75 NO <sub>2</sub> =0.05 NO <sub>3</sub> =10 Cl=250 SO <sub>4</sub> =WS	As(ac)=50(Trec) Cd(ac)=TVS(tr) Cd(ch)=TVS CrIII(ac)=50(Trec) CrVI(ac/ch)=TVS Cu(ac/ch)=TVS	Fe(ch)=WS(dis) Fe(ch)=1000(Trec) Pb(ac/ch)=TVS Mn(ch)=WS(dis) Mn(ac/ch)=TVS Hg(ch)=0.01(Trec)	Ni(ac/ch)=TVS Se(ac/ch)=TVS Ag(ac)=TVS Ag(ch)=TVS(tr) Zn(ac/ch)=TVS	
15. Mainstem of Conejos River from a point immediately above the confluence with Fox Creek to the confluence with the San Antonio River.	UP	Aq Life Cold 2 Recreation 1a Water Supply Agriculture	D.O. = 6.0 mg/l D.O. (sp)=7.0 mg/l pH = 6.5-9.0 F.Coli=200/100ml E.Coli=126/100ml	NH <sub>3</sub> (ac)=TVS NH <sub>3</sub> (ch)=0.02 Cl <sub>2</sub> (ac)=0.019 Cl <sub>2</sub> (ch)=0.011 CN=0.005	S=0.002 B=0.75 NO <sub>2</sub> =0.05 NO <sub>3</sub> =10 Cl=250 SO <sub>4</sub> =WS	As(ac)=50(Trec) Cd(ac)=TVS(tr) Cd(ch)=TVS CrIII(ac)=50(Trec) CrVI(ac/ch)=TVS Cu(ac/ch)=TVS	Fe(ch)=WS(dis) Fe(ch)=1000(Trec) Pb(ac/ch)=TVS Mn(ch)=WS(dis) Mn(ac/ch)=TVS Hg(ch)=.01(Trec)	Ni(ac/ch)=TVS Se(ac/ch)=TVS Ag(ac)=TVS Ag(ch)=TVS(tr) Zn(ac/ch)=TVS	Fish Ingestion
16. Mainstem of the Conejos River from the confluence with the San Antonio River to the confluence with the Rio Grande.	UP	Aq Life Warm 2 Recreation 1a Agriculture	D.O. = 5.0 mg/l pH = 6.5-9.0 F.Coli=200/100ml E.Coli=126/100ml	NH <sub>3</sub> (ac)=TVS NH <sub>3</sub> (ch)=0.06 Cl <sub>2</sub> (ac)=0.019 Cl <sub>2</sub> (ch)=0.011 CN=0.005	S=0.002 B=0.75 NO <sub>2</sub> =0.05	As(ch)=100(Trec) Cd(ac/ch)=TVS CrIII(ac/ch)=TVS CrVI(ac/ch)=TVS Cu(ac/ch)=TVS	Fe(ch)=1000(Trec) Pb(ac/ch)=TVS Mn(ch)=1000 Hg(ch)=TVS(Trec) Ni(ac/ch)=TVS	Se(ac/ch)=TVS Ag(ac)=TVS Ag(ch)=TVS(tr) Zn(ac/ch)=TVS	Fish Ingestion
17. Mainstem of Rio de Los Pinos, including all tributaries, wetlands, lakes and reservoirs, from the source to the New Mexico border, except for specific listings in segment 1. Mainstem of the Rio San Antonio from the New Mexico border to Highway 285.		Aq Life Cold 1 Recreation 1a Water Supply Agriculture	D.O. = 6.0 mg/l D.O.(sp)=7.0 mg/l pH = 6.5-9.0 F.Coli=200/100ml E.Coli=126/100ml	NH <sub>3</sub> (ac)=TVS NH <sub>3</sub> (ch)=0.02 Cl <sub>2</sub> (ac)=0.019 Cl <sub>2</sub> (ch)=0.011 CN=0.005	S=0.002 B=0.75 NO <sub>2</sub> =0.05 NO <sub>3</sub> =10 Cl=250 SO <sub>4</sub> =WS	As(ac)=50(Trec) Cd(ac)=TVS(tr) Cd(ch)=TVS CrIII(ac)=50(Trec) CrVI(ac/ch)=TVS Cu(ac/ch)=TVS	Fe(ch)=WS(dis) Fe(ch)=1000(Trec) Pb(ac/ch)=TVS Mn(ch)=WS(dis) Mn(ac/ch)=TVS Hg(ch)=0.01(Trec)	Ni(ac/ch)=TVS Se(ac/ch)=TVS Ag(ac)=TVS Ag(ch)=TVS(tr) Zn(ac/ch)=TVS	
18. Mainstem of the Rio San Antonio from Highway 285 to the confluence with the Conejos River.	UP	Aq Life Warm 2 Recreation 1a Agriculture	D.O.= 6.0 mg/l D.O.(sp)=7.0 mg/l pH = 6.5-9.0 F.Coli=200/100ml E.Coli=630/100ml	NH <sub>3</sub> (ac)=TVS NH <sub>3</sub> (ch)=0.06 Cl <sub>2</sub> (ac)=0.019 Cl <sub>2</sub> (ch)=0.011 CN=0.005	S=0.002 B=0.75 NO <sub>2</sub> =0.05	As(ch)=100(Trec) Cd(ac/ch)=TVS CrIII(ac/ch)=TVS CrVI(ac/ch)=TVS Cu(ac/ch)=TVS	Fe(ch)=1000(Trec) Pb(ac/ch)=TVS Mn(ch)=1000 Hg(ch)=TVS(Trec) Ni(ac/ch)=TVS	Se(ac/ch)=TVS Ag(ac)=TVS Ag(ch)=TVS(tr) Zn(ac/ch)=TVS	Fish Ingestion
19. Mainstem of Rio Chama, including all tributaries, wetlands, lakes and reservoirs, from the source to the Colorado New Mexico border except for the specific listing in segment 1.		Aq Life Cold 1 Recreation 1a Water Supply Agriculture	D.O.=6.0 mg/l D.O.(sp)=7.0 mg/l pH = 6.5-9.0 F.Coli=200/100ml E.Coli=126/100ml	NH <sub>3</sub> (ac)=TVS NH <sub>3</sub> (ch)=0.02 Cl <sub>2</sub> (ac)=0.019 Cl <sub>2</sub> (ch)=0.011 CN=0.005	S=0.002 B=0.75 NO <sub>2</sub> =0.0 NO <sub>3</sub> =10 Cl=250 SO <sub>4</sub> =WS	As(ac)=50(Trec) Cd(ac)=TVS(tr) Cd(ch)=TVS CrIII(ac)=50(Trec) CrVI(ac/ch)=TVS Cu(ac/ch)=TVS	Fe(ch)=WS(dis) Fe(ch)=1000(Trec) Pb(ac/ch)=TVS Mn(ch)=WS(dis) Mn(ac/ch)=TVS Hg(ch)=0.01(Trec)	Ni(ac/ch)=TVS Se(ac/ch)=TVS Ag(ac)=TVS Ag(ch)=TVS(tr) Zn(ac/ch)=TVS	
20. All tributaries to the Rio Grande, including wetlands, lakes and reservoirs, which are within the Rio Grande National Forest, except for specific listings in segments 1 through 7, 11, 13, 14, 17, and 19.		Aq Life Cold 1 Recreation 1a Water Supply Agriculture	D.O. = 6.0 mg/l D.O.(sp)=7.0 mg/l pH = 6.5-9.0 F.Coli=200/100ml E.Coli=126/100ml	NH <sub>3</sub> (ac)=TVS NH <sub>3</sub> (ch)=0.02 Cl <sub>2</sub> (ac)=0.019 Cl <sub>2</sub> (ch)=0.011 CN=0.005	S=0.002 B=0.75 NO <sub>2</sub> =0.05 NO <sub>3</sub> =10 Cl=250 SO <sub>4</sub> =WS	As(ac)=50(Trec) Cd(ac)=TVS(tr) Cd(ch)=TVS CrIII(ac)=50(Trec) CrVI(ac/ch)=TVS Cu(ac/ch)=TVS	Fe(ch)=WS(dis) Fe(ch)=1000(Trec) Pb(ac/ch)=TVS Mn(ch)=WS(dis) Mn(ac/ch)=TVS Hg(ch)=0.01(Trec)	Ni(ac/ch)=TVS Se(ac/ch)=TVS Ag(ac)=TVS Ag(ch)=TVS(tr) Zn(ac/ch)=TVS	
21. All tributaries to the Alamosa River, La Jara Creek, and the Conejos River from the confluence with Fox Creek to the Rio Grande except for the specific listings in segment 22.	UP	Recreation 2 Agriculture	D.O. = 5.0 mg/l pH = 6.5-9.0 F.Coli=2000/100ml E.Coli=630/100ml	CN=0.2 NO <sub>2</sub> =100 NO <sub>3</sub> =10	B=0.75	As(ch)=100(Trec) Be(ch)=100(Trec) Cd(ch)=10(Trec) CrIII(ch)=100(Trec)	CrVI(ch)=100(Trec) Cu(ch)=200(Trec) Pb(ch)=100(Trec) Mn(ch)=200(Trec)	Ni(ch)=200(Trec) Se(ch)=20(Trec) Zn(ch)=2000(Trec)	

## STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

REGION: 8	Desig	Classifications	NUMERIC STANDARDS						TEMPORARY MODIFICATIONS AND QUALIFIERS	
BASIN: Alamosa River/La Jara Creek/Conejos River			PHYSICAL and BIOLOGICAL	INORGANIC mg/l		METALS ug/l				
Stream Segment Description										
22. All wetlands, lakes, and reservoirs tributary to the Rio Grande except for specific listings in segments 1 through 20.	UP	Aq Life Warm 2 Recreation 1a Agriculture	D.O. = 5.0 mg/l pH = 6.5-9.0 F.Coli=200/100ml E.Coli=126/100ml	NH <sub>3</sub> (ac)=TVS	NH <sub>3</sub> (ch)=0.06 Cl <sub>2</sub> (ac)=0.019 Cl <sub>2</sub> (ch)=0.011 CN=0.005	S=0.002 B=0.75 NO <sub>2</sub> =0.05	As(ch)=100(Trec)	Cu(ac/ch)=TVS	Ni(ac/ch)=TVS	
							Cd(ac)=TVS(tr)	Fe(ch)=1000(Trec)	Se(ac/ch)=TVS	
							Cd(ch)=TVS	Pb(ac/ch)=TVS	Ag(ac)=TVS	
							CrIII(ac)=50(Trec)	Mn(ac/ch)=TVS	Ag(ch)=TVS(tr)	
							CrVI(ac/ch)=TVS	Hg(ch)=0.01(Trec)	Zn(ac/ch)=TVS	

(3) Table Value Standards

In certain instances in the attached tables, the designation "TVS" is used to indicate that for a particular parameter a "table value standard" has been adopted. This designation refers to numerical criteria set forth in the Basic Standards and Methodologies for Surface Water. The criteria for which the TVS are applicable are on the following table.

TABLE VALUE STANDARDS  
(Concentrations in ug/l unless noted)

PARAMETER <sup>(1)</sup>	TABLE VALUE STANDARDS <sup>(2)(3)</sup>
Ammonia	Cold Water Acute = $0.43/FT/FP/2^{(4)}$ in mg/l Warm Water Acute = $0.62/FT/FP/2^{(4)}$ in mg/l
Cadmium	$Acute = (1.13667 - [(\ln \text{hardness}) * (0.04184)]) * e^{(1.128[\ln(\text{hardness})] - 3.6867)}$ $Acute(\text{Trout}) = (1.13667 - [(\ln \text{hardness}) * (0.04184)]) * e^{(1.128[\ln(\text{hardness})] - 3.828)}$ $Chronic = (1.10167 - [(\ln \text{hardness}) * (0.04184)]) * e^{(0.7852[\ln(\text{hardness})] - 2.715)}$
Chromium III <sup>(5)</sup>	$Acute = e^{(0.819[\ln(\text{hardness})] + 2.5736)}$ $Chronic = e^{(0.819[\ln(\text{hardness})] + 0.5340)}$
Chromium VI <sup>(5)</sup>	Acute = 16 Chronic = 11
Copper	$Acute = e^{(0.9422[\ln(\text{hardness})] - 1.7408)}$ $Chronic = e^{(0.8545[\ln(\text{hardness})] - 1.7428)}$
Lead	$Acute = (1.46203 - [(\ln \text{hardness}) * (0.145712)]) * e^{(1.273[\ln(\text{hardness})] - 1.46)}$ $Chronic = (1.46203 - [(\ln \text{hardness}) * (0.145712)]) * e^{(1.273[\ln(\text{hardness})] - 4.705)}$
Manganese	$Acute = e^{(0.3331[\ln(\text{hardness})] + 6.4676)}$ $Chronic = e^{(0.3331 [\ln (\text{hardness})] + 5.8743)}$

TABLE VALUE STANDARDS  
(Concentrations in ug/l unless noted)

PARAMETER <sup>(1)</sup>	TABLE VALUE STANDARDS <sup>(2)(3)</sup>
Nickel	Acute= $e^{(0.846[\ln(\text{hardness})]+2.253)}$
	Chronic= $e^{(0.846[\ln(\text{hardness})]+0.0554)}$
Selenium <sup>(6)</sup>	Acute = 18.4
	Chronic = 4.6
Silver	Acute= $\frac{1}{2}e^{(1.72[\ln(\text{hardness})]-6.52)}$
	Chronic = $e^{(1.72[\ln(\text{hardness})]-9.06)}$
	Chronic(Trout) = $e^{(1.72[\ln(\text{hardness})]-10.51)}$
Uranium	Acute= $e^{(1.1021[\ln(\text{hardness})]+2.7088)}$
	Chronic= $e^{(1.1021[\ln(\text{hardness})]+2.2382)}$
Zinc	Acute= $e^{(0.8473[\ln(\text{hardness})]+0.8618)}$
	Chronic= $e^{(0.8473[\ln(\text{hardness})]+0.8699)}$

TABLE VALUE STANDARDS - FOOTNOTES

- (1) Metals are stated as dissolved unless otherwise specified.
- (2) Hardness values to be used in equations are in mg/l as calcium carbonate and shall be no greater than 400 mg/L. The hardness values used in calculating the appropriate metal standard should be based on the lower 95 per cent confidence limit of the mean hardness value at the periodic low flow criteria as determined from a regression analysis of site-specific data. Where insufficient site-specific data exists to define the mean hardness value at the periodic low flow criteria, representative regional data shall be used to perform the regression analysis. Where a regression analysis is not appropriate, a site-specific method should be used. In calculating a hardness value, regression analyses should not be extrapolated past the point that data exist.
- (3) Both acute and chronic numbers adopted as stream standards are levels not to be exceeded more than once every three years on the average.