

**PROPOSED REGULATION OF THE  
STATE ENVIRONMENTAL COMMISSION**

**LCB File No. R130-12**

August 2, 2012

EXPLANATION – Matter in *italics* is new; matter in brackets ~~omitted material~~ is material to be omitted.

AUTHORITY: §1-3, NRS 445A.425 and 445A.520.

A REGULATION relating to water quality; establishing certain water quality standards for North Antelope Creek; and providing other matters properly relating thereto.

**Section 1.** Chapter 445A of NAC is hereby amended by adding thereto a new section to read as follows:

*The limits of this table apply to the body of water known as North Antelope Creek from its origin to its confluence with Antelope Creek. This segment of North Antelope Creek is located in Elko County.*

***STANDARDS OF WATER QUALITY***

***North Antelope Creek***

<i>PARAMETER</i>	<i>REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY</i>	<i>WATER QUALITY STANDARDS FOR BENEFICIAL USES</i>	<i>Beneficial Use<sup>a</sup></i>											
			<i>Livestock</i>	<i>Irrigation</i>	<i>Aquatic</i>	<i>Contact</i>	<i>Noncontact</i>	<i>Municipal</i>	<i>Industrial</i>	<i>Wildlife</i>	<i>Aesthetic</i>	<i>Enhance</i>	<i>Marsh</i>	
<i>Beneficial Uses</i>			X		X	X	X		X	X				
<i>Aquatic Life Species of Concern</i>														

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>d</sup>												
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Temperature - °C		<i>S.V. ≤ 34.0</i>			*	X									
pH - SU		<i>S.V. 6.5 - 9.0</i>	X		*	*				X	*				
Dissolved Oxygen - mg/l		<i>S.V. ≥ 5.0</i>	X		*	X	X				X				
Total Phosphorus (as P) - mg/l		<i>S.V. ≤ 0.1<sup>b</sup></i>			*	*	X								
Nitrogen Species (as N) - mg/l		<i>Nitrate<sup>b</sup></i>	X		*						X				
		<i>Nitrite<sup>b</sup></i>	X		*						X				
		<i>Total Nitrogen<sup>b</sup></i>			*	X	X				X				
Total Ammonia (as N) - mg/l		<i>c</i>			*										
Total Dissolved Solids - mg/l		<i>S.V. ≤ 3000</i>	*												
Chlorides - mg/l		<i>1-hr. Avg. ≤ 860<sup>d</sup></i>	X		*						X				
		<i>96-hr. Avg. ≤ 230</i>													
Suspended Solids - mg/l		<i>S.V. ≤ 80</i>			*										
Turbidity - NTU		<i>S.V. ≤ 50</i>			*										
E. coli - No./100 ml		<i>A.G.M. ≤ 126</i>				*	X								
		<i>S.V. ≤ 576</i>													
Fecal Coliform - No./100 ml		<i>≤ 1,000<sup>e</sup></i>	X				X			*					

\* = The most restrictive beneficial use.

X = Beneficial use.

- <sup>a</sup> Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.*
- <sup>b</sup> The water must not contain nutrient concentrations from a source other than a natural source which cause the growth of algae or aquatic plants in amounts that interfere with any beneficial uses of the water.*
- <sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.*
- <sup>d</sup> One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.*
- <sup>e</sup> Must not exceed a geometric mean of 1000 per 100 milliliters based on a minimum of 5 samples during any 30-day period.*

**Sec. 2.** NAC 445A.1432 is hereby amended to read as follows:

445A.1432 The designated beneficial uses for select bodies of water within the Humboldt

Region are prescribed in this section:

Water Body Name	Segment Description	Beneficial Uses											Aquatic Life Species of Concern	Water Quality Standard NAC Reference	
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh			
Humboldt River near Osino	From the upstream source of the main stem to Osino.	X	X	X	X	X	X	X	X	X				Warm-water fishery	NAC 445A.1436
Humboldt River at Palisade	From Osino to the Palisade Gage.	X	X	X	X	X	X	X	X	X				Warm-water fishery	NAC 445A.1438
Humboldt River at Battle Mountain	From the Palisade Gage to the Battle Mountain Gage.	X	X	X	X	X	X	X	X	X				Warm-water fishery	NAC 445A.1442
Humboldt River at State Highway 789	From the Battle Mountain Gage to where State Highway 789 crosses the Humboldt River.	X	X	X	X	X	X	X	X	X				Warm-water fishery	NAC 445A.1444
Humboldt River at Imlay	From the Comus Gage to Imlay.	X	X	X	X	X	X	X	X	X				Warm-water fishery	NAC 445A.1446
Humboldt River at Woolsey	From Imlay to Woolsey.	X	X	X	X	X	X	X	X	X				Warm-water fishery	NAC 445A.1448
Humboldt River at Rodgers Dam	From Woolsey to Rodgers Dam.	X	X	X	X	X	X	X	X	X					NAC 445A.1452
Humboldt River at the Humboldt Sink	From Rodgers Dam to the Humboldt Sink.	X	X	X	X	X		X	X						NAC 445A.1454
The Humboldt Sink	The entire sink.	X	X	X		X		X	X						NAC 445A.1455
Humboldt River, North Fork and tributaries at the national forest boundary	From their origin in the Independence Mountain Range to the national forest boundary.	X	X	X	X	X	X		X						NAC 445A.1456

Water Body Name	Segment Description	Beneficial Uses											Aquatic Life Species of Concern	Water Quality Standard NAC Reference		
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh				
Humboldt River, North Fork at Beaver Creek	From the national forest boundary to its confluence with Beaver Creek.	X	X	X	X	X	X	X	X	X					Trout	NAC 445A.1458
Humboldt River, North Fork at the Humboldt River	From its confluence with Beaver Creek to its confluence with the Humboldt River.	X	X	X	X	X	X	X	X	X						NAC 445A.1462
Humboldt River, South Fork and tributaries at Lee	From their origin to Lee.	X	X	X	X	X	X		X						NAC 445A.1464	
Humboldt River, South Fork at the Humboldt River	From Lee to its confluence with the Humboldt River.	X	X	X	X	X	X	X	X					Trout	NAC 445A.1466	
Little Humboldt River	The entire length.	X	X	X	X	X	X	X	X						NAC 445A.1468	
Little Humboldt River, North Fork at the national forest boundary	From its origin to the national forest boundary.	X	X	X	X	X	X		X						NAC 445A.1472	
Little Humboldt River, North Fork at the South Fork of the Little Humboldt River	From the national forest boundary to its confluence with the South Fork of the Little Humboldt River.	X	X	X	X	X	X	X	X						NAC 445A.1474	
Little Humboldt River, South Fork at the Elko-Humboldt county line	From its origin to the Elko-Humboldt county line.	X	X	X	X	X	X		X						NAC 445A.1476	
Little Humboldt River, South Fork at the North Fork of the Little Humboldt River	From the Elko-Humboldt county line to its confluence with the North Fork of the Little Humboldt River.	X	X	X	X	X	X	X	X						NAC 445A.1478	
Mary's River, upper	From its origin to the point where the river crosses the east line of T. 42 N., R. 59 E., M.D.B. & M.	X	X	X	X	X	X		X						NAC 445A.1482	
Mary's River at the Humboldt River	From the east line of T. 42 N., R. 59 E., M.D.B. & M., to its confluence with the Humboldt River.	X	X	X	X	X	X	X	X					Trout	NAC 445A.1484	
Tabor Creek	From its origin to the east line of T. 40 N., R. 60 E., M.D.B. & M.	X	X	X	X	X	X		X						NAC 445A.1486	
Maggie Creek Tributaries	From their origin to the point where they become Maggie Creek or the point of their confluence with Maggie Creek.	X	X	X	X	X	X		X						NAC 445A.1488	
Maggie Creek at Jack Creek	From where it is formed by the Maggie Creek tributaries to its confluence with Jack Creek.	X	X	X	X	X	X	X	X					Trout	NAC 445A.1492	
Maggie Creek at Soap Creek	From its confluence with Jack Creek to its confluence with Soap Creek.	X	X	X	X	X	X	X	X					Trout	NAC 445A.1494	

Water Body Name	Segment Description	Beneficial Uses											Aquatic Life Species of Concern	Water Quality Standard NAC Reference			
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh					
Maggie Creek at the Humboldt River	From its confluence with Soap Creek to its confluence with the Humboldt River.	X	X	X	X	X	X	X	X	X							NAC 445A.1496
Secret Creek at the national forest boundary	From its origin to the national forest boundary.	X	X	X	X	X	X		X								NAC 445A.1498
Secret Creek at the Humboldt River	From the national forest boundary to its confluence with the Humboldt River.	X	X	X	X	X	X	X	X	X					Trout		NAC 445A.1502
Lamoille Creek at the gaging station	From its origin to gaging station number 10-316500, located in the NE 1/4 of section 6, T. 32 N., R. 58 E., M.D.B. & M.	X	X	X	X	X	X		X								NAC 445A.1504
Lamoille Creek at the Humboldt River	From gaging station number 10-316500, located in the NE 1/4 of section 6, T. 32 N., R. 58 E., M.D.B. & M., to its confluence with the Humboldt River.	X	X	X	X	X	X	X	X	X							NAC 445A.1506
J.D. Ponds	The entire area.	X	X	X	X	X	X	X	X								NAC 445A.1508
Denay Creek at Tonkin Reservoir	From its origin to Tonkin Reservoir.	X	X	X	X	X	X		X								NAC 445A.1512
Tonkin Reservoir	The entire reservoir.	X	X	X	X	X	X		X								NAC 445A.1514
Denay Creek below Tonkin Reservoir	Below Tonkin Reservoir.	X	X	X	X	X	X	X	X								NAC 445A.1516
Rock Creek at Squaw Valley Ranch	From its origin to Squaw Valley Ranch.	X	X	X	X	X	X		X								NAC 445A.1518
Rock Creek below Squaw Valley Ranch	Below Squaw Valley Ranch.	X	X	X	X	X	X	X	X								NAC 445A.1522
Willow Creek at Willow Creek Reservoir	From its origin to Willow Creek Reservoir.	X	X	X	X	X	X		X								NAC 445A.1524
Willow Creek Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X					Trout			NAC 445A.1526
<i>North Antelope Creek at Antelope Creek</i>	<i>From its origin to its confluence with Antelope Creek</i>	<i>X</i>		<i>X</i>	<i>X</i>	<i>X</i>			<i>X</i>	<i>X</i>							<i>section 1 of this regulation</i>
Pole Creek	From its origin to the point of diversion of the Golconda water supply, near the north line of section 13, T. 35 N., R. 39 E., M.D.B. & M.	X	X	X	X	X	X		X								NAC 445A.1528
Water Canyon Creek	From its origin to the point of diversion of the Winnemucca municipal water supply, near the west line of section 12, T. 35 N., R. 38 E., M.D.B. & M.	X	X	X	X	X	X		X								NAC 445A.1532
Martin Creek at the national forest boundary	From its origin to the national forest boundary.	X	X	X	X	X	X		X								NAC 445A.1534

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		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh				
Martin Creek below the national forest boundary	From the national forest boundary to the first diversion in T. 42 N., R. 40 E., M.D.B. & M.	X	X	X	X	X	X	X	X	X					Trout	NAC 445A.1536
Dutch John Creek	The entire length.	X	X	X	X	X	X		X							NAC 445A.1538
Huntington Creek at the White Pine-Elko county line	From its origin to the White Pine-Elko county line.	X	X	X	X	X	X		X							NAC 445A.1542
Huntington Creek at Smith Creek	From the White Pine-Elko county line to its confluence with Smith Creek.	X	X	X	X	X	X	X	X						Trout	NAC 445A.1544
Huntington Creek at the South Fork of the Humboldt River	From its confluence with Smith Creek to its confluence with the South Fork of the Humboldt River.	X	X	X	X	X	X	X	X							NAC 445A.1546
Green Mountain Creek at the national forest boundary	From its origin to the national forest boundary.	X	X	X	X	X	X		X							NAC 445A.1548
Green Mountain Creek at Corral Creek	From the national forest boundary to its confluence with Corral Creek.	X	X	X	X	X	X	X	X						Trout	NAC 445A.1552
Toyn Creek	From its origin to the national forest boundary.	X	X	X	X	X	X		X							NAC 445A.1554
Reese Creek at Indian Creek	From its origin to its confluence with Indian Creek.	X	X	X	X	X	X		X							NAC 445A.1556
Reese River at State Route 722	From its confluence with Indian Creek to State Route 722 (old U.S. Highway 50).	X	X	X	X	X	X	X	X						Trout	NAC 445A.1558
Reese River below State Route 722	North of State Route 722 (old U.S. Highway 50).	X	X	X	X	X	X	X	X							NAC 445A.1562
San Juan Creek	From its origin to the national forest boundary.	X	X	X	X	X	X		X							NAC 445A.1564
Big Creek at the forest service campground	From its origin to the east boundary of the United States Forest Service's Big Creek Campground.	X	X	X	X	X	X		X							NAC 445A.1566
Big Creek below the forest service campground	From the east boundary of the United States Forest Service's Big Creek Campground to the first diversion dam, near the west line of section 4, T. 17 N., R. 43 E., M.D.B. & M.	X	X	X	X	X	X	X	X						Trout	NAC 445A.1568
Mill Creek	From its origin to the first point of diversion, near the south line of section 22, T. 29 N., R. 44 E., M.D.B. & M.	X	X	X	X	X	X		X							NAC 445A.1572
Lewis Creek	From its origin to the first point of diversion, near the center of section 23, T. 30 N., R. 45 E., M.D.B. & M.	X	X	X	X	X	X		X							NAC 445A.1574
Iowa Canyon Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X						Trout	NAC 445A.1576

Water Body Name	Segment Description	Beneficial Uses											Aquatic Life Species of Concern	Water Quality Standard NAC Reference	
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh			
Starr Creek	From the confluence of Ackler and Herder Creeks to its confluence with the Humboldt River.	X	X	X	X	X	X	X	X	X				Trout	NAC 445A.1578
Irrigation	Irrigation														
Livestock	Watering of livestock														
Contact	Recreation involving contact with the water														
Noncontact	Recreation not involving contact with the water														
Industrial	Industrial supply														
Municipal	Municipal or domestic supply, or both														
Wildlife	Propagation of wildlife														
Aquatic	Propagation of aquatic life														
Aesthetic	Waters of extraordinary ecological or aesthetic value														
Enhance	Enhancement of water quality														
Marsh	Maintenance of a freshwater marsh														

**Sec. 3.** NAC 445A.1434 is hereby amended to read as follows:

445A.1434 The standards for water quality for select bodies of water within the Humboldt Region are prescribed in NAC 445A.1434 to 445A.1578, inclusive **+**, *and section 1 of this regulation.*