

**ADOPTED REGULATION OF THE  
STATE ENVIRONMENTAL COMMISSION**

**LCB File No. R133-10**

Effective December 16, 2010

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

AUTHORITY: §§1-18, NRS 445A.425 and 445A.520.

A REGULATION relating to water quality; establishing certain water quality standards in the Snake Region; revising certain water quality standards for certain bodies of water in the Snake Region; and providing other matters properly relating thereto.

**Section 1.** Chapter 445A of NAC is hereby amended by adding thereto the provisions set forth as sections 2 to 5, inclusive, of this regulation.

**Sec. 2.** *The limits of this table apply to the body of water known as Taylor Canyon Creek from its origin to its confluence with the South Fork of the Owyhee River. Taylor Canyon Creek is located in Elko County.*

***STANDARDS OF WATER QUALITY***

***Taylor Canyon Creek***

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

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh			
<i>Beneficial Uses</i>			X	X	X	X	X	X	X	X	X					
<i>Aquatic Life Species of Concern</i>																
<i>Temperature - °C</i>		<i>S.V. May-Oct &lt; 21</i>			*	X										
<i>Maximum</i>		<i>S.V. Nov-Apr &lt; 13</i>														
<i>pH - SU</i>		<i>S.V. 6.5 - 9.0</i>			*	X		X								
<i>Total Phosphorous (as P) - mg/l</i>		<i>S.V. ≤ 0.1<sup>b</sup></i>			*	*	X	X								
<i>Nitrogen Species (as N) - mg/l</i>		<i>Nitrate S.V. ≤ 10</i> <i>Nitrite S.V. ≤ 0.06</i> <i>Total Nitrogen<sup>b</sup></i>			X			*		X						
<i>Total Ammonia (as N) - mg/l</i>		<sup>c</sup>			*											
<i>Dissolved Oxygen - mg/l</i>		<i>S.V. ≥ 6.0</i>	X		*	X	X	X		X						
<i>Suspended Solids - mg/l</i>		<i>S.V. ≤ 25</i>			*			X								
<i>Turbidity - NTU</i>		<i>S.V. ≤ 10</i>			*			X								
<i>Total Dissolved Solids - mg/l</i>		<i>S.V. ≤ 500</i>	X	X				*								
<i>Chlorides - mg/l</i>		<i>S.V. ≤ 250</i>	X	X				*		X						
<i>Sulfate - mg/l</i>		<i>S.V. ≤ 250</i>						*								
<i>E. coli - No./100 ml</i>		<i>A.G.M. ≤ 126</i> <i>S.V. ≤ 410</i>				*	X									

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>											
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	*	*			X	X		*				
Color - PCU		S.V. ≤ 75						*						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and section 26 of LCB File No. R160-06 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.

**Sec. 3.** *The limits of this table apply to the body of water known as Trout Creek from the Nevada-Idaho state line to its confluence with Goose Creek. This segment of Trout Creek is located in Elko County.*

## STANDARDS OF WATER QUALITY

### Trout Creek at Goose Creek

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

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>																		
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh								
<i>Aquatic Life Species of Concern</i>																					
<i>Temperature - °C</i> <i>Maximum</i>		<i>S.V. May-Oct &lt; 21</i> <i>S.V. Nov-Apr &lt; 13</i>			*	X															
<i>pH - SU</i>		<i>S.V. 6.5 - 9.0</i>			*	X			X												
<i>Total Phosphorous</i> <i>(as P) - mg/l</i>		<i>S.V. ≤ 0.1<sup>b</sup></i>			*	*	X	X													
<i>Nitrogen Species</i> <i>(as N) - mg/l</i>		<i>Nitrate S.V. ≤ 10</i> <i>Nitrite S.V. ≤ 0.06</i> <i>Total Nitrogen<sup>b</sup></i>			X	*	*	X	*	X											
<i>Total Ammonia</i> <i>(as N) - mg/l</i>		<i>c</i>			*																
<i>Dissolved Oxygen -</i> <i>mg/l</i>		<i>S.V. ≥ 6.0</i>	X		*	X	X	X			X										
<i>Suspended Solids - mg/l</i>		<i>S.V. ≤ 25</i>			*			X													
<i>Turbidity - NTU</i>		<i>S.V. ≤ 10</i>			*			X													
<i>Total Dissolved</i> <i>Solids - mg/l</i>		<i>S.V. ≤ 500</i>	X	X					*												
<i>Chlorides - mg/l</i>		<i>S.V. ≤ 250</i>	X	X					*		X										
<i>Sulfate - mg/l</i>		<i>S.V. ≤ 250</i>							*												
<i>E. coli - No./100 ml</i>		<i>A.G.M. ≤ 126</i> <i>S.V. ≤ 410</i>				*	X														

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>											
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	*	*			X	X		*				
Color - PCU		S.V. ≤ 75			*			*						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and section 26 of LCB File No. R160-06 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.

**Sec. 4.** *The limits of this table apply to the body of water known as Trout Creek from its origin to its confluence with Salmon Falls Creek. This segment of Trout Creek is located in Elko County.*

## STANDARDS OF WATER QUALITY

### Trout Creek at Salmon Falls Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh			
<i>Beneficial Uses</i>			X	X	X	X	X	X	X	X	X					
<i>Aquatic Life Species of Concern</i>																
<i>Temperature - °C</i> <i>Maximum</i>		<i>S.V. May-Oct &lt; 21</i> <i>S.V. Nov-Apr &lt; 13</i>			*	X										
<i>pH - SU</i>		<i>S.V. 6.5 - 9.0</i>			*	X		X								
<i>Total Phosphorous</i> <i>(as P) - mg/l</i>		<i>S.V. ≤ 0.1<sup>b</sup></i>			*	*	X	X								
<i>Nitrogen Species</i> <i>(as N) - mg/l</i>		<i>Nitrate S.V. ≤ 10</i> <i>Nitrite S.V. ≤ 0.06</i> <i>Total Nitrogen<sup>b</sup></i>			X			*		X						
<i>Total Ammonia</i> <i>(as N) - mg/l</i>		<i>c</i>			*											
<i>Dissolved Oxygen -</i> <i>mg/l</i>		<i>S.V. ≥ 6.0</i>	X		*	X	X	X		X						
<i>Suspended Solids - mg/l</i>		<i>S.V. ≤ 25</i>			*			X								
<i>Turbidity - NTU</i>		<i>S.V. ≤ 10</i>			*			X								
<i>Total Dissolved</i> <i>Solids - mg/l</i>		<i>S.V. ≤ 500</i>	X	X				*								
<i>Chlorides - mg/l</i>		<i>S.V. ≤ 250</i>	X	X				*		X						

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>											
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
Sulfate - mg/l		S.V. ≤ 250							*					
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410				*	X							
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	*	*			X	X		*				
Color - PCU		S.V. ≤ 75							*					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and section 26 of LCB File No. R160-06 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.

**Sec. 5.** *The limits of this table apply to the body of water known as Jack Creek from its origin to its confluence with the Jarbidge River. Jack Creek is located in Elko County.*

## STANDARDS OF WATER QUALITY

### Jack Creek at Jarbidge River

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>									
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>														
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh				
<i>Beneficial Uses</i>			X	X	X	X	X	X	X	X	X						
<i>Aquatic Life Species of Concern</i>																	
<i>Temperature - °C</i>		<i>S.V. May-Oct &lt; 21</i>			*	X											
<i>Maximum</i>		<i>S.V. Nov-Apr &lt; 7</i>															
<i>pH - SU</i>		<i>S.V. 6.5 - 9.0</i>			*	X		X									
<i>Total Phosphorous (as P) - mg/l</i>		<i>S.V. ≤ 0.1<sup>b</sup></i>			*	*	X	X									
<i>Nitrogen Species (as N) - mg/l</i>		<i>Nitrate S.V. ≤ 10</i> <i>Nitrite S.V. ≤ 0.06</i> <i>Total Nitrogen<sup>b</sup></i>			X	*	*	X	*								
<i>Total Ammonia (as N) - mg/l</i>		<i>c</i>			*												
<i>Dissolved Oxygen - mg/l</i>		<i>S.V. ≥ 6.0</i>	X		*	X	X	X			X						
<i>Suspended Solids - mg/l</i>		<i>S.V. ≤ 25</i>			*			X									
<i>Turbidity - NTU</i>		<i>S.V. ≤ 10</i>			*			X									
<i>Total Dissolved Solids - mg/l</i>		<i>S.V. ≤ 500</i>	X	X				*									
<i>Chlorides - mg/l</i>		<i>S.V. ≤ 250</i>	X	X				*		X							
<i>Sulfate - mg/l</i>		<i>S.V. ≤ 250</i>						*									
<i>E. coli - No./100 ml</i>		<i>A.G.M. ≤ 126</i> <i>S.V. ≤ 410</i>				*	X										

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>											
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	*	*			X	X		*				
Color - PCU		S.V. ≤ 75						*						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and section 26 of LCB File No. R160-06 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.

**Sec. 6.** Section 26 of LCB File No. R160-06 is hereby amended to read as follows:

Sec. 26. The designated beneficial uses for select bodies of water within the Snake

Region are prescribed in this section:

Water Body Name	Segment Description	Beneficial Uses										Aquatic Species of Concern	Water Quality Standard NAC Reference		
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance			Marsh	
[Big] Goose Creek	[At Ranch.] Within the State of Nevada.	X	X	X	X	X	X	X	X						section 28 of this regulation

Water Body Name	Segment Description	Beneficial Uses											Aquatic Species of Concern	Water Quality Standard NAC Reference			
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh					
Salmon Falls Creek	<del>[At U.S. Highway 93 south of Jackpot.]</del> <i>From the confluence of the North and South Forks of Salmon Falls Creek to the Nevada-Idaho state line.</i>	X	X	X	X	X	X	X	X								section 29 of this regulation
Shoshone Creek	<del>[Jackpot to Delaplain Road.]</del> <i>From the Nevada-Idaho state line to its confluence with Salmon Falls Creek.</i>	X	X	X	X	X	X	X	X								section 30 of this regulation
Jarbidge River, East Fork	<del>[At]</del> <i>From its origin to the Nevada-Idaho state line.</i>	X	X	X	X	X	X	X	X								section 31 of this regulation
Jarbidge River, above Jarbidge	<del>[Upstream from Jarbidge at bridge.]</del> <i>From its origin to the bridge above the town of Jarbidge.</i>	X	X	X	X	X	X	X	X								section 32 of this regulation
Jarbidge River, below Jarbidge	<del>[Downstream from Jarbidge at bridge.]</del> <i>From the bridge above the town of Jarbidge to the Nevada-Idaho state line.</i>	X	X	X	X	X	X	X	X								section 33 of this regulation
Bruneau River	<del>[At Diamond "A" Road.]</del> <i>From its origin to the Nevada-Idaho state line.</i>	X	X	X	X	X	X	X	X								section 34 of this regulation

Water Body Name	Segment Description	Beneficial Uses											Aquatic Species of Concern	Water Quality Standard NAC Reference		
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh				
Owyhee River, <del>[East Fork]</del> above Mill Creek	<del>[Above Mill Creek.]</del> From <i>Wildhorse Reservoir to its confluence with Mill Creek.</i>	X	X	X	X	X	X	X	X							section 35 of this regulation
Owyhee River, <del>[East Fork at New China Dam]</del> below Mill Creek	<del>[At New China Dam.]</del> From its <i>confluence with Mill Creek to the border of the Duck Valley Indian Reservation.</i>	X	X	X	X	X	X	X	X							section 36 of this regulation
<del>[Owyhee River, East Fork at the state line]</del>	<del>At the Nevada-Idaho state line.</del>	X	X													<del>section 37 of this regulation]</del>
Owyhee River, South Fork <del>[at Petan Access Road]</del>	<del>At Petan Access Road.]</del> From <i>its origin to the Nevada-Idaho state line.</i>	X	X	X	X	X	X	X	X							section 38 of this regulation
Salmon Falls Creek, North Fork	From the national forest boundary to its confluence with the South Fork of Salmon Falls Creek.	X	X	X	X	X	X	X	X					Trout		section 39 of this regulation
Salmon Falls Creek, South Fork	From the national forest boundary to its confluence with the North Fork of Salmon Falls Creek.	X	X	X	X	X	X	X	X					Trout		section 40 of this regulation

Water Body Name	Segment Description	Beneficial Uses											Aquatic Species of Concern	Water Quality Standard NAC Reference		
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh				
Camp Creek at the national forest boundary	From its origin to the national forest boundary.	X	X	X	X	X	X		X							section 41 of this regulation
Camp Creek at the South Fork of Salmon Falls Creek	From the national forest boundary to its confluence with the South Fork of Salmon Falls Creek.	X	X	X	X	X	X	X	X					Trout		section 42 of this regulation
Cottonwood Creek at the national forest boundary	From its origin to the national forest boundary.	X	X	X	X	X	X		X							section 43 of this regulation
Cottonwood Creek at the South Fork of Salmon Falls Creek	From the national forest boundary to its confluence with the South Fork of Salmon Falls Creek.	X	X	X	X	X	X	X	X					Trout		section 44 of this regulation
Canyon Creek at the national forest boundary	From its origin to the national forest boundary.	X	X	X	X	X	X		X							section 45 of this regulation
Canyon Creek at the South Fork of Salmon Falls Creek	From the national forest boundary to its confluence with the South Fork of Salmon Falls Creek.	X	X	X	X	X	X	X	X					Trout		section 46 of this regulation

Water Body Name	Segment Description	Beneficial Uses											Aquatic Species of Concern	Water Quality Standard NAC Reference		
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh				
Bear Creek	From its origin to the point of diversion for the Jarbidge municipal water supply, near the east line of section 17, T. 46 N., R. 58 E., M.D.B. & M.	X	X	X	X	X	X		X							section 47 of this regulation
76 Creek	The entire length.	X	X	X	X	X	X	X	X					Trout		section 48 of this regulation
Owyhee River, East Fork above Wildhorse Reservoir	From its origin to Wildhorse Reservoir.	X	X	X	X	X	X		X							section 49 of this regulation
Deep Creek	From its origin to Wildhorse Reservoir.	X	X	X	X	X	X		X							section 50 of this regulation
Penrod Creek, including tributaries	From its origin, including its tributaries, to Wildhorse Reservoir.	X	X	X	X	X	X		X							section 51 of this regulation
Hendricks Creek	From its origin to Wildhorse Reservoir.	X	X	X	X	X	X		X							section 52 of this regulation
Wildhorse Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X					Trout		section 53 of this regulation

Water Body Name	Segment Description	Beneficial Uses											Aquatic Species of Concern	Water Quality Standard NAC Reference		
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh				
Brown's Gulch	From its origin to the point of diversion for the Mountain City municipal water supply, near the south line of section 24, T. 46 N., R. 53 E., M.D.B. & M.	X	X	X	X	X	X		X							section 54 of this regulation
Jack Creek	From its origin to its confluence with Harrington Creek.	X	X	X	X	X	X		X							section 55 of this regulation
Harrington Creek	From its confluence with Jack Creek to the South Fork of the Owyhee River.	X	X	X	X	X	X	X	X					Trout		section 56 of this regulation
Bull Run Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X					Trout		section 57 of this regulation
Wilson Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X					Trout		section 58 of this regulation
<i>Taylor Canyon Creek</i>	<i>From its origin to its confluence with the South Fork of the Owyhee River.</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>							<i>section 2 of LCB File No. R133-10</i>
<i>Trout Creek at Goose Creek</i>	<i>From the Nevada-Idaho state line to its confluence with Goose Creek.</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>							<i>section 3 of LCB File No. R133-10</i>
<i>Trout Creek at Salmon Falls Creek</i>	<i>From its origin to its confluence with Salmon Falls Creek.</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>							<i>section 4 of LCB File No. R133-10</i>

Water Body Name	Segment Description	Beneficial Uses											Aquatic Species of Concern	Water Quality Standard NAC Reference		
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh				
<i>Jack Creek at Jarbidge River</i>	<i>From its origin to its confluence with the Jarbidge River.</i>	X	X	X	X	X	X	X	X							<i>section 5 of LCB File No. R133-10</i>
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															

**Sec. 7.** Section 27 of LCB File No. R160-06 is hereby amended to read as follows:

Sec. 27. The standards for water quality for ~~select bodies of water within~~ the Snake Region are prescribed in sections 27 to 58, inclusive, of this regulation ~~[ ]~~, ***and sections 2 to 5, inclusive, of LCB File No. R133-10.***

**Sec. 8.** Section 28 of LCB File No. R160-06 is hereby amended to read as follows:

Sec. 28. The limits of this table apply to the body of water known as ~~Big~~ Goose Creek ~~[for the control point at Ranch. Big]~~ *within the State of Nevada*. Goose Creek is located in Elko County.

## STANDARDS OF WATER QUALITY

### ~~Big~~ Goose Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Beneficial Uses			X	X	X	X	X	X	X	X					
Aquatic Life Species of Concern															
Temperature - °C		S.V. May-Oct < 21 S.V. Nov-Apr < 13			*	X									
$\Delta T^b$ - °C	$\Delta T = 0$	$\Delta T < 1$													
pH - SU	$\Delta pH \pm 0.5$	S.V. 6.5 - 9.0			*	X		X							
Total Phosphorus (as P) - mg/l		S.V. <del>≤</del> 0.1			*	*	X	X							
Nitrogen Species (as N) - mg/l	Nitrate S.V. <del>≤</del> 1.0	Nitrate S.V. <del>≤</del> 10 Nitrite S.V. <del>≤</del> 0.06			*	X	X	*							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*										
Dissolved Oxygen - mg/l		S.V. <del>≥</del> 6.0	X		*	X	X	X		X					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Suspended Solids - mg/l		S.V. <del>15</del> ≤ 25			*				X						
Turbidity - NTU		S.V. <del>15</del> ≤ 10			*				X						
Total Dissolved Solids - mg/l	S.V. <del>15</del> ≤ 185	S.V. <del>15</del> ≤ 500	X	X					*						
Chlorides - mg/l	S.V. <del>15</del> ≤ 9.0	S.V. <del>15</del> ≤ 250	X	X					*		X				
<i>Sulfate - mg/l</i>		<i>S.V. ≤ 250</i>							*						
Alkalinity (as CO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*						X				
E coli - No./100 ml		AGM ≤ 126 S.V. ≤ 410				*	X								
Fecal Coliform - No./100 ml		<del>15</del> ≤ 200/400 <sup>d</sup> S.V. ≤ 1,000	*	<del>15</del>		<del>15</del>	X	X			<del>15</del>	*			
Color - PCU		<del>15</del> S.V. ≤ 75							*						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and section 26 of this regulation for beneficial use terminology.

<sup>b</sup> Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

<sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.

~~f<sup>d</sup>—The annual geometric mean must not exceed 200 per 100 milliliters, nor may the number of fecal coliform in a single sample exceed 400 per 100 milliliters.~~

~~e—Increase in color must not be more than 10 color units above natural conditions.]~~

**Sec. 9.** Section 29 of LCB File No. R160-06 is hereby amended to read as follows:

Sec. 29. The limits of this table apply to the body of water known as Salmon Falls Creek ~~[for the control point at U.S. Highway 93 south of Jackpot.]~~ *from the confluence of the North and South Forks of Salmon Falls Creek to the Nevada-Idaho state line.* Salmon Falls Creek is located in Elko County.

## STANDARDS OF WATER QUALITY

### Salmon Falls Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Beneficial Uses			X	X	X	X	X	X	X	X					
Aquatic Life Species of Concern															
Temperature - °C		S.V. May-Oct < 21 S.V. Nov-Apr < 13			*	X									
ΔT <sup>b</sup> - °C	ΔT = 0	ΔT < 1													
pH - SU	ΔpH ± 0.5	S.V. 6.5 - 9.0			*	X		X							
Total Phosphorus (as P) - mg/l		S.V. <del>≤</del> ≤ 0.1			*	*	X	X							
Nitrogen Species (as N) - mg/l	Nitrate S.V. <del>≤</del> ≤ 1.0	Nitrate S.V. <del>≤</del> ≤ 10 Nitrite S.V. <del>≤</del> ≤ 0.06			*	X	X	*							

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>														
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh				
Total Ammonia (as N) - mg/l		<sup>c</sup>			*												
Dissolved Oxygen - mg/l		S.V. <del>1</del> ≥ 6.0	X		*	X	X	X		X							
Suspended Solids - mg/l		S.V. <del>1</del> ≤ 25			*			X									
Turbidity - NTU		S.V. <del>1</del> ≤ 10			*			X									
Total Dissolved Solids - mg/l	S.V. <del>1</del> ≤ 250	S.V. <del>1</del> ≤ 500	X	X				*									
Chlorides - mg/l	S.V. <del>1</del> ≤ 14.0	S.V. <del>1</del> ≤ 250	X	X				*		X							
<i>Sulfate - mg/l</i>		<i>S.V. ≤ 250</i>						*									
Alkalinity (as CO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*					X							
E coli - No./100 ml		AGM ≤ 126 S.V. ≤ 410				*	X										
Fecal Coliform - No./100 ml	S.V. <del>1</del> ≤ 90	<del>1</del> ≤ 200/400 <sup>d</sup> S.V. ≤ 1,000	*	<del>1</del>	*	<del>1</del>	X	X		<del>1</del>	*						
Color - PCU		<del>1</del> S.V. ≤ 75						*									

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and section 26 of this regulation for beneficial use terminology.

<sup>b</sup> Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

<sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.

~~<sup>d</sup> The annual geometric mean must not exceed 200 per 100 milliliters, nor may the number of fecal coliform in a single sample exceed 400 per 100 milliliters.~~

~~<sup>e</sup> Increase in color must not be more than 10 color units above natural conditions.~~

**Sec. 10.** Section 30 of LCB File No. R160-06 is hereby amended to read as follows:

Sec. 30. The limits of this table apply to the body of water known as Shoshone Creek ~~[for the control point at Jackpot to Delaplain Road.]~~ *from the Nevada-Idaho state line to its confluence with Salmon Falls Creek.* Shoshone Creek is located in Elko County.

## STANDARDS OF WATER QUALITY

### Shoshone Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Beneficial Uses			X	X	X	X	X	X	X	X					
Aquatic Life Species of Concern															
Temperature - °C		S.V. May-Oct < 21													
		S.V. Nov-Apr < 13			*	X									
$\Delta T^b$ - °C	$\Delta T = 0$	$\Delta T < 1$													
pH - SU	$\Delta pH \pm 0.5$	S.V. 6.5 - 9.0			*	X		X							
Total Phosphorus (as P) - mg/l		S.V. <del>1</del> ≤ 0.1			*	*	X	X							

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh			
Nitrogen Species (as N) - mg/l	Nitrate S.V. <del>1</del> ≤ 1.0	Nitrate S.V. <del>1</del> ≤ 10 Nitrite S.V. <del>1</del> ≤ 0.06			*	X	X	*								
Total Ammonia (as N) - mg/l		c			*											
Dissolved Oxygen - mg/l		S.V. <del>1</del> ≥ 6.0	X		*	X	X	X		X						
Suspended Solids - mg/l		S.V. <del>1</del> ≤ 25			*			X								
Turbidity - NTU		S.V. <del>1</del> ≤ 10			*			X								
Total Dissolved Solids - mg/l	S.V. <del>1</del> ≤ 250	S.V. <del>1</del> ≤ 500	X	X				*								
Chlorides - mg/l	S.V. <del>1</del> ≤ 15.0	S.V. <del>1</del> ≤ 250	X	X				*		X						
<i>Sulfate - mg/l</i>		<i>S.V. ≤ 250</i>						*								
Alkalinity (as CO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*					X						
E coli - No./100 ml		AGM ≤ 126 S.V. ≤ 410				*	X									
Fecal Coliform - No./100 ml		<del>1</del> ≤ 200/400 <sup>d</sup> S.V. ≤ 1,000	*	<del>1</del>		<del>1</del> *	X	X		<del>1</del>				*		
Color - PCU		<del>1</del> S.V. ≤ 75						*								

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and section 26 of this regulation for beneficial use terminology.

<sup>b</sup> Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

<sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.

~~<sup>d</sup> The annual geometric mean must not exceed 200 per 100 milliliters, nor may the number of fecal coliform in a single sample exceed 400 per 100 milliliters.~~

~~<sup>e</sup> Increase in color must not be more than 10 color units above natural conditions.~~

**Sec. 11.** Section 31 of LCB File No. R160-06 is hereby amended to read as follows:

Sec. 31. The limits of this table apply to the body of water known as the East Fork of Jarbidge River ~~at~~ *from its origin to* the Nevada-Idaho state line. The East Fork of Jarbidge River is located in Elko County.

## STANDARDS OF WATER QUALITY

### Jarbidge River, East Fork

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh			
Beneficial Uses			X	X	X	X	X	X	X	X						
Aquatic Life Species of Concern																
Temperature - °C		S.V. May-Oct < 21 S.V. Nov-Apr < 7														
$\Delta T^b$ - °C	$\Delta T = 0$	$\Delta T < 1$			*	X										
pH - SU	$\Delta pH \pm 0.5$	S.V. 6.5 - 9.0			*	X		X								

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Total Phosphorus (as P) - mg/l		S.V. <del>1</del> ≤ 0.1			*	*	X	X							
Nitrogen Species (as N) - mg/l	Nitrate S.V. <del>1</del> ≤ 1.0	Nitrate S.V. <del>1</del> ≤ 10 Nitrite S.V. <del>1</del> ≤ 0.06			*	X	X	*							
Total Ammonia (as N) - mg/l		<sup>c</sup>			*										
Dissolved Oxygen - mg/l		S.V. <del>1</del> ≥ 6.0	X		*	X	X	X		X					
Suspended Solids - mg/l		S.V. <del>1</del> ≤ 25			*			X							
Turbidity - NTU		S.V. <del>1</del> ≤ 10			*			X							
Total Dissolved Solids - mg/l	S.V. <del>1</del> ≤ 200	S.V. <del>1</del> ≤ 500	X	X				*							
Chlorides - mg/l	S.V. <del>1</del> ≤ 6.0	S.V. <del>1</del> ≤ 250	X	X				*		X					
<i>Sulfate - mg/l</i>		<i>S.V. ≤ 250</i>						*							
Alkalinity (as CO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*					X					
E coli - No./100 ml		AGM ≤ 126 S.V. ≤ 410				*	X								
Fecal Coliform - No./100 ml	S.V. <del>1</del> ≤ 100	<del>1</del> ≤ 200/400 <sup>d</sup> S.V. ≤ 1,000	*	<del>1</del>		<del>1</del>	X	X		<del>1</del>					
Color - PCU		<del>1</del> S.V. ≤ 75						*							

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and section 26 of this regulation for beneficial use terminology.

<sup>b</sup> Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

<sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.

~~<sup>d</sup> The annual geometric mean must not exceed 200 per 100 milliliters, nor may the number of fecal coliform in a single sample exceed 400 per 100 milliliters.~~

~~<sup>e</sup> Increase in color must not be more than 10 color units above natural conditions.~~

**Sec. 12.** Section 32 of LCB File No. R160-06 is hereby amended to read as follows:

Sec. 32. The limits of this table apply to the body of water known as Jarbidge River ~~for the control point upstream from Jarbidge at bridge.]~~ *from its origin to the bridge above the town of Jarbidge.* This segment of the Jarbidge River is located in Elko County.

## STANDARDS OF WATER QUALITY

### Jarbidge River, above Jarbidge

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

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>														
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh				
Temperature - °C		S.V. May-Oct < 21 S.V. Nov-Apr < 7			*	X											
$\Delta T^b$ - °C	$\Delta T = 0$	$\Delta T < 1$															
pH - SU	$\Delta pH \pm 0.5$	S.V. 6.5 - 9.0			*	X		X									
Total Phosphorus (as P) - mg/l	S.V. $\leq 0.05$	S.V. $\leq 0.1$			*	*	X	X									
Nitrogen Species (as N) - mg/l	Nitrate S.V. $\leq 1.0$	Nitrate S.V. $\leq 10$ Nitrite S.V. $\leq 0.06$			*	X	X	*									
Total Ammonia (as N) - mg/l		<sup>c</sup>			*												
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X							
Suspended Solids - mg/l		S.V. $\leq 25$			*			X									
Turbidity - NTU		S.V. $\leq 10$			*			X									
Total Dissolved Solids - mg/l	S.V. $\leq 65$	S.V. $\leq 500$	X	X				*									
Chlorides - mg/l	S.V. $\leq 7.0$	S.V. $\leq 250$	X	X				*		X							
<i>Sulfate - mg/l</i>		<i>S.V. <math>\leq 250</math></i>						*									
Alkalinity (as CO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*					X							
E coli - No./100 ml		AGM $\leq 126$ S.V. $\leq 410$				*	X										

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>												
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Fecal Coliform - No./100 ml	S.V. <del>10</del> ≤ 10	<del>≤ 200/400<sup>d</sup></del> S.V. ≤ 1,000	*	<del>[X]</del>			<del>[*]</del>	X	X		<del>[X]</del>	*			
Color - PCU		<del>[*]</del> S.V. ≤ 75								*					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and section 26 of this regulation for beneficial use terminology.

<sup>b</sup> Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

<sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.

~~<sup>d</sup> The annual geometric mean must not exceed 200 per 100 milliliters, nor may the number of fecal coliform in a single sample exceed 400 per 100 milliliters.~~

~~<sup>e</sup> Increase in color must not be more than 10 color units above natural conditions.~~

**Sec. 13.** Section 33 of LCB File No. R160-06 is hereby amended to read as follows:

Sec. 33. The limits of this table apply to the body of water known as the Jarbidge River ~~[for the control point downstream from Jarbidge at bridge.]~~ *from the bridge above the town of Jarbidge to the Nevada-Idaho state line.* This segment of the Jarbidge River is located in Elko County.

## STANDARDS OF WATER QUALITY

Jarbidge River, below Jarbidge

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh			
Beneficial Uses			X	X	X	X	X	X	X	X	X					
Aquatic Life Species of Concern																
Temperature - °C		S.V. May-Oct < 21 S.V. Nov-Apr < 7			*	X										
$\Delta T^b$ - °C	$\Delta T = 0$	$\Delta T < 1$														
pH - SU	$\Delta pH \pm 0.5$	S.V. 6.5 - 9.0			*	X		X								
Total Phosphorus (as P) - mg/l	S.V. $\leq 0.05$	S.V. $\leq 0.1$			*	*	X	X								
Nitrogen Species (as N) - mg/l	Nitrate S.V. $\leq 1.0$	Nitrate S.V. $\leq 10$ Nitrite S.V. $\leq 0.06$			*	X	X	*								
Total Ammonia (as N) - mg/l		<sup>c</sup>			*											
Dissolved Oxygen - mg/l		S.V. $\geq 6.0$	X		*	X	X	X		X						
Suspended Solids - mg/l		S.V. $\leq 25$			*			X								
Turbidity - NTU		S.V. $\leq 10$			*			X								
Total Dissolved Solids - mg/l	S.V. $\leq 80$	S.V. $\leq 500$	X	X				*								
Chlorides - mg/l	S.V. $\leq 7.0$	S.V. $\leq 250$	X	X				*		X						
<i>Sulfate - mg/l</i>		<i>S.V. <math>\leq 250</math></i>						*								

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>											
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
Alkalinity (as CO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*						X			
E coli - No./100 ml		AGM ≤ 126 S.V. ≤ 410				*	X							
Fecal Coliform - No./100 ml		<del>≤ 200/400<sup>d</sup></del> <i>S.V. ≤ 1,000</i>	*	<del>[X]</del>			<del>[*]</del>	X	X		<del>[X]</del>			
Color - PCU		<del>≤ 10</del> <i>S.V. ≤ 75</i>							*					

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and section 26 of this regulation for beneficial use terminology.

<sup>b</sup> Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

<sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.

~~<sup>d</sup>—The annual geometric mean must not exceed 200 per 100 milliliters, nor may the number of fecal coliform in a single sample exceed 400 per 100 milliliters.~~

~~<sup>e</sup>—Increase in color must not be more than 10 color units above natural conditions.~~

**Sec. 14.** Section 34 of LCB File No. R160-06 is hereby amended to read as follows:

Sec. 34. The limits of this table apply to the body of water known as the ~~[West Fork]~~ Bruneau River ~~[for the control point at Diamond “A” Road.]~~ *from its origin to the Nevada-Idaho state line.* The ~~[West Fork]~~ Bruneau River is located in Elko County.

## STANDARDS OF WATER QUALITY

### [West Fork] Bruneau River

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>													
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh			
Beneficial Uses			X	X	X	X	X	X	X	X	X					
Aquatic Life Species of Concern																
Temperature - °C		S.V. May-Oct < 21 S.V. Nov-Apr < 7			*	X										
$\Delta T^b$ - °C	$\Delta T = 0$	$\Delta T < 1$														
pH - SU	$\Delta pH \pm 0.5$	S.V. 6.5 - 9.0			*	X		X								
Total Phosphorus (as P) - mg/l		S.V. <del>1</del> ≤ 0.1			*	*	X	X								
Nitrogen Species (as N) - mg/l	Nitrate S.V. <del>1</del> ≤ 1.0	Nitrate S.V. <del>1</del> ≤ 10 Nitrite S.V. <del>1</del> ≤ 0.06			*	X	X	*								
Total Ammonia (as N) - mg/l		<sup>c</sup>			*											
Dissolved Oxygen - mg/l		S.V. <del>1</del> ≥ 6.0	X		*	X	X	X		X						
Suspended Solids - mg/l		S.V. <del>1</del> ≤ 25			*			X								
Turbidity - NTU		S.V. <del>1</del> ≤ 10			*			X								
Total Dissolved Solids - mg/l	S.V. <del>1</del> ≤ 180	S.V. <del>1</del> ≤ 500	X	X				*								

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>											
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
Chlorides - mg/l	S.V. <del>1</del> ≤ 7.0	S.V. <del>1</del> ≤ 250	X	X					*		X			
<i>Sulfate - mg/l</i>		<i>S.V. ≤ 250</i>							*					
Alkalinity (as CO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*						X			
E coli - No./100 ml		AGM ≤ 126 S.V. ≤ 410				*	X							
Fecal Coliform - No./100 ml	S.V. <del>1</del> ≤ 80	<del>1</del> ≤ 200/400 <sup>d</sup> <i>S.V. ≤ 1,000</i>	*	<del>1</del>		<del>1</del>	X	X			<del>1</del>	*		
Color - PCU		<del>1</del> <i>S.V. ≤ 75</i>						*						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and section 26 of this regulation for beneficial use terminology.

<sup>b</sup> Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

<sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.

~~<sup>d</sup> The annual geometric mean must not exceed 200 per 100 milliliters, nor may the number of fecal coliform in a single sample exceed 400 per 100 milliliters.~~

~~<sup>e</sup> Increase in color must not be more than 10 color units above natural conditions.~~

**Sec. 15.** Section 35 of LCB File No. R160-06 is hereby amended to read as follows:

Sec. 35. The limits of this table apply to the body of water known as the ~~East Fork of the~~ Owyhee River ~~above~~ *from Wildhorse Reservoir to its confluence with* Mill Creek. This segment of the ~~East Fork of the~~ Owyhee River is located in Elko County.

### STANDARDS OF WATER QUALITY

#### Owyhee River, ~~East Fork~~ above Mill Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>											
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
Beneficial Uses			X	X	X	X	X	X	X	X				
Aquatic Life Species of Concern														
Temperature - °C		S.V. May-Oct < 21 S.V. Nov-Apr < 7			*	X								
$\Delta T^b$ - °C	$\Delta T = 0$	$\Delta T < 1$												
pH - SU	$\Delta pH \pm 0.5$	S.V. 6.5 - 9.0			*	X		X						
Total Phosphorus (as P) - mg/l		S.V. <del>≤</del> 0.1			*	*	X	X						
Nitrogen Species (as N) - mg/l	Nitrate S.V. <del>≤</del> 1.0	Nitrate S.V. <del>≤</del> 10 Nitrite S.V. <del>≤</del> 0.06			*	X	X	*						
Total Ammonia (as N) - mg/l		<sup>c</sup>			*									
Dissolved Oxygen - mg/l		S.V. <del>≥</del> 6.0	X		*	X	X	X		X				
Suspended Solids -		S.V. <del>≤</del> 25			*			X						

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>																	
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh							
mg/l																				
Turbidity - NTU		S.V. <del>14</del> ≤ 10			*				X											
Total Dissolved Solids - mg/l	S.V. <del>14</del> ≤ 200	S.V. <del>14</del> ≤ 500	X	X					*											
Chlorides - mg/l	S.V. <del>14</del> ≤ 8.0	S.V. <del>14</del> ≤ 250	X	X					*		X									
<i>Sulfate - mg/l</i>		<i>S.V. ≤ 250</i>							*											
Alkalinity (as CO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*						X									
E coli - No./100 ml		AGM ≤ 126 S.V. ≤ 410				*	X													
Fecal Coliform - No./100 ml		<del>≤ 200/400<sup>d</sup></del> S.V. ≤ 1,000	*	<del>[X]</del>		<del>[*]</del>	X	X			<del>[X]</del>	*								
Color - PCU		<del>14</del> S.V. ≤ 75							*											

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and section 26 of this regulation for beneficial use terminology.

<sup>b</sup> Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

<sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.

~~<sup>d</sup>—The annual geometric mean must not exceed 200 per 100 milliliters, nor may the number of fecal coliform in a single sample exceed 400 per 100 milliliters.~~

~~°—Increase in color must not be more than 10 color units above natural conditions.~~

**Sec. 16.** Section 36 of LCB File No. R160-06 is hereby amended to read as follows:

Sec. 36. The limits of this table apply to the body of water known as the ~~East Fork of the~~ Owyhee River ~~at New China Dam.~~ *from its confluence with Mill Creek to the border of the Duck Valley Indian Reservation.* This segment of the ~~East Fork of the~~ Owyhee River is located in Elko County.

### STANDARDS OF WATER QUALITY

Owyhee River, ~~East Fork at New China Dam~~ *below Mill Creek*

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>											
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
Beneficial Uses			X	X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern														
Temperature - °C		S.V. May-Oct < 21 S.V. Nov-Apr < 7			*	X								
$\Delta T^b$ - °C	$\Delta T = 0$	$\Delta T < 1$												
pH - SU	$\Delta pH \pm 0.5$	S.V. 6.5 - 9.0			*	X		X						
Total Phosphorus (as P) - mg/l		S.V. <del>≤</del> 0.1			*	*	X	X						
Nitrogen Species (as N) - mg/l	Nitrate S.V. <del>≤</del> 1.0	Nitrate S.V. <del>≤</del> 10 Nitrite S.V. <del>≤</del> 0.06			*	X	X	*						
Total Ammonia (as N) - mg/l		<sup>c</sup>			*									

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>											
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
Dissolved Oxygen - mg/l		S.V. <del>1</del> ≥ 6.0	X		*	X	X	X		X				
Suspended Solids - mg/l		S.V. <del>1</del> ≤ 25			*			X						
Turbidity - NTU		S.V. <del>1</del> ≤ 10			*			X						
Total Dissolved Solids - mg/l	S.V. <del>1</del> ≤ 250	S.V. <del>1</del> ≤ 500	X	X				*						
Chlorides - mg/l	S.V. <del>1</del> ≤ 8.0	S.V. <del>1</del> ≤ 250	X	X				*		X				[
<i>Sulfate - mg/l</i>		<i>S.V. ≤ 250</i>						*						
Alkalinity (as CO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*					X				
E coli - No./100 ml		AGM ≤ 126 S.V. ≤ 410				*	X							
Fecal Coliform - No./100 ml	S.V. ≤ 125	<del>1</del> < 200/400 <sup>d</sup> <i>S.V. ≤ 1,000</i>	*	<del>1</del>		<del>1</del> *	X	X		<del>1</del>	*			
Color - PCU		<del>1</del> <i>S.V. ≤ 75</i>						*						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and section 26 of this regulation for beneficial use terminology.

<sup>b</sup> Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

<sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.

~~<sup>d</sup>—The annual geometric mean must not exceed 200 per 100 milliliters, nor may the number of fecal coliform in a single sample exceed 400 per 100 milliliters.~~

~~<sup>e</sup>—Increase in color must not be more than 10 color units above natural conditions.]~~

**Sec. 17.** Section 38 of LCB File No. R160-06 is hereby amended to read as follows:

Sec. 38. The limits of this table apply to the body of water known as the South Fork of the Owyhee River ~~[at Petan Access Road.]~~ *from its origin to the Nevada-Idaho state line.*

The South Fork of the Owyhee River is located in Elko County.

### STANDARDS OF WATER QUALITY

#### Owyhee River, South Fork ~~[at Petan Access Road]~~

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>											
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
Beneficial Uses			X	X	X	X	X	X	X	X				
Aquatic Life Species of Concern														
Temperature - °C		S.V. May-Oct < 21												
		S.V. Nov-Apr < 13			*	X								
$\Delta T^b$ - °C	$\Delta T = 0$	$\Delta T < 1$												
pH - SU	$\Delta pH \pm 0.5$	S.V. 6.5 - 9.0			*	X		X						
Total Phosphorus (as P) - mg/l		S.V. <del>≤</del> 0.1			*	*	X	X						
Nitrogen Species (as N) - mg/l	Nitrate S.V. <del>≤</del> 1.0	Nitrate S.V. <del>≤</del> 10			*	X	X	*						
		Nitrite S.V. <del>≤</del> 0.06												

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>											
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
Total Ammonia (as N) - mg/l		c			*									
Dissolved Oxygen - mg/l		S.V. <del>1</del> ≥ 6.0	X		*	X	X	X		X				
Suspended Solids - mg/l		S.V. <del>1</del> ≤ 25			*			X						
Turbidity - NTU		S.V. <del>1</del> ≤ 10			*			X						
Total Dissolved Solids - mg/l	S.V. <del>1</del> ≤ 280	S.V. <del>1</del> ≤ 500	X	X				*						
Chlorides - mg/l	S.V. <del>1</del> ≤ 15.0	S.V. <del>1</del> ≤ 250	X	X				*		X				
<i>Sulfates - mg/l</i>		<i>S.V. ≤ 250</i>						*						
Alkalinity (as CO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*					X				
E coli - No./100 ml		AGM ≤ 126 S.V. ≤ 410				*	X							
Fecal Coliform - No./100 ml		<del>1</del> ≤ 200/400 <sup>d</sup> S.V. ≤ 1,000	*	<del>1</del>		<del>1</del>	X	X		<del>1</del>		*		
Color - PCU		<del>1</del> S.V. ≤ 75						*						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and section 26 of this regulation for beneficial use terminology.

<sup>b</sup> Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

<sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.

~~<sup>d</sup> The annual geometric mean must not exceed 200 per 100 milliliters, nor may the number of fecal coliform in a single sample exceed 400 per 100 milliliters.~~

~~<sup>e</sup> Increase in color must not be more than 10 color units above natural conditions.~~

**Sec. 18.** Section 37 of LCB File No. R160-06 is hereby repealed.

**TEXT OF REPEALED SECTION**

**Section 37 of LCB File No. R160-06:**

Sec. 37. The limits of this table apply to the body of water known as the East Fork of the Owyhee River at the Nevada-Idaho state line. This segment of the East Fork of the Owyhee River is located in Elko County.

**STANDARDS OF WATER QUALITY**

Owyhee River, East Fork at the state line

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

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>											
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
Beneficial Uses			X	X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern														
Temperature - °C		S.V. May-Oct < 21 S.V. Nov-Apr < 7			*	X								
$\Delta T^b$ - °C	$\Delta T = 0$	$\Delta T < 1$												
pH - SU	$\Delta pH \pm 0.5$	S.V. 6.5 - 9.0			*	X		X						
Total Phosphorus (as P) - mg/l		S.V. < 0.1			*	*	X	X						
Nitrogen Species (as N) - mg/l	Nitrate S.V. < 1.0	Nitrate S.V. < 10 Nitrite S.V. < 0.06 Ammonia (unionized) S.V. < 0.02			*	X	X	*						
Dissolved Oxygen - mg/l		S.V. > 6.0	X		*	X	X	X		X				
Suspended Solids - mg/l		S.V. < 25			*			X						
Turbidity - NTU		S.V. < 10			*			X						
Total Dissolved Solids - mg/l	S.V. < 240	S.V. < 500	X	X				*						
Chlorides – mg/l	S.V. < 11.0	S.V. < 250	X	X				*		X				
Alkalinity (as CO <sub>3</sub> ) - mg/l		< 25% change from natural conditions			*					X				

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>											
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
Fecal Coliform - No./100 ml		< 200/400 <sup>c</sup>		X		*	X	X		X				
Color - PCU		<sup>d</sup>						*						

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and section 26 of this regulation for beneficial use terminology.

<sup>b</sup> Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

<sup>c</sup> The annual geometric mean must not exceed 200 per 100 milliliters, nor may the number of fecal coliform in a single sample exceed 400 per 100 milliliters.

<sup>d</sup> Increase in color must not be more than 10 color units above natural conditions.