

Priority Area Number: 14		Priority Area Name: Bruneau	
Ranking Criteria			Score Comments
1) POPULATION			
	Points	Select One	
a) Within Degraded Area			
<1000	1	X	1 Population = 100
1000 to 10,000	2		
10,000 to 100,000	3		
		Subtotal	1
b) Source Water Protection Areas or Public Water System wells in Priority Area			
0	0	X	0 PWS
1 to 20	1		
>20	2		
		Subtotal	0
c) Number of Wells with Nitrate (NO₃) ≥10 mg/l			
0	0		
1 to 2	1		
3 to 5	2	x	4 Wells
6 to 9	3		
10 to 15	4		
>15	5		
		Subtotal	2
		Population Score	3
		Max Possible Score = 10	
2) WATER QUALITY			
	% wells	Nitrate Concentration Criteria	
Percent of wells with Nitrate (NO ₃) ≥2 mg/l	50%	2	1.00
Percent of wells with Nitrate (NO ₃) ≥5 mg/l	40%	5	2.00
Percent of wells with Nitrate (NO ₃) ≥10 mg/l	40%	10	4.00
		Water Quality Total	7.00
3) WATER QUALITY TRENDS			
		Select One	
Increasing	10		
No Discernable Trend	5	X	5
Decreasing trend	0		
		Trend Score	5
		Max Possible Score = 10	
4) OTHER BENEFICIAL USES			
Other beneficial uses are impaired	2	Yes=2 No = 0	No
		Beneficial use score	0
		Max Possible Score = 2	
		Total Score	15.00

**NITRATE PRIORITY AREA # 14
BRUNEAU**

Nitrate Concentrations: (mg/l)

Minimum Value	0.0
Maximum Value	110.0
Average Value	17.5
No. Samples \geq 10	4
No. Samples 5 – 9.99	0
No. Samples 2 – 4.99	1
No. Samples < 2	5
No. Samples \geq 2	5
No. Samples \geq 5	4
No. Samples \geq 10	4
% Samples \geq 2	50%
% Samples \geq 5	40%
% Samples \geq 10	40%
Total Samples	10
No. PWS Samples	0
No. SMN Samples	7
No. IDAG Samples	1
No. REG/LOC Samples	2

PWS = Public Water Systems

SMN = State Wide Monitoring Network

IDAG = Idaho Dep. Of Agriculture Studies

REG/LOC = Regional/Local Monitoring DEQ and DEQ/IDAG Projects

Regional/Local Monitoring Projects include:

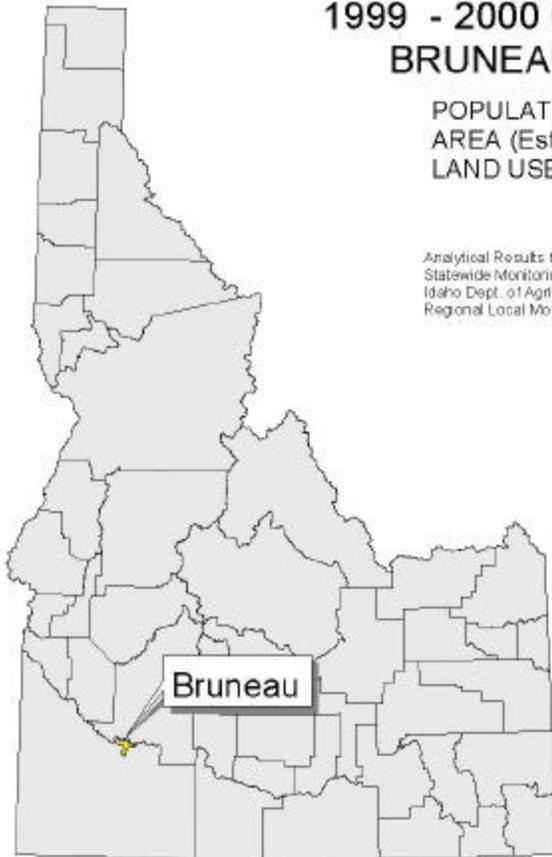
1998 Follow-Up, DEQ

1998 Bruneau, DEQ

1999 - 2000 GROUP 1 NITRATE PRIORITIZATION BRUNEAU PRIORITY AREA 14* (RANKED)

POPULATION (Est.) = 100
 AREA (Est.) = 24,255 Acres
 LAND USE = Irrigated Agriculture & Range Land

Analytical Results for Nitrate Data Sources:
 Statewide Monitoring Network (USGS/DWR), 7 sites, most recent analysis used
 Idaho Dept. of Agriculture, 1 site, most recent analysis used
 Regional Local Monitoring (DEQ Follow-Up 1998 & DEQ Bruneau 1998) 2 sites, most recent value used



Nitrate Values (mg/l)	Number of Sites
>=10	4
5 - 9.99	0
2 - 4.99	1
< 2	5

MAXIMUM VALUE = 110.00
 MINIMUM VALUE = 0.0
 MEDIAN = 1.9
 AVERAGE = 17.5

TOTAL NUMBER OF SAMPLING SAMPLES = 10
 TOTAL NUMBER OF PWS SITES = 0

No. Sites Nitrate >= 2 mg/l = 5
 No. Sites Nitrate >= 5 mg/l = 4
 No. Sites Nitrate >= 10 mg/l = 4

*Previously referred to as Area 11 in trend analysis

Nitrate Analytical Results - Statewide, IDAG, REG/LOC

- ▲ >= 10 mg/l
- 5 - 9.99 mg/l
- 2 - 4.99 mg/l
- <2 mg/l

□ Nitrate Priority Area 14,
Bruneau

USGS = United States Geological Survey
 IDWR = Idaho Department of Water Resources
 IDAG = Idaho Department of Agriculture
 IDEQ = Idaho Department of Environmental Quality
 REG/LOC = Regional/Local Monitoring Projects
 PWS = Public Water System
 mg/l = milligrams per liter

