

Priority Area Number: 19		Priority Area Name: Mountain Home		
Ranking Criteria			Score	Comments
1) POPULATION				
	Points	Select One		
a) Within Degraded Area				
<1000	1	X	1	Population = 262
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			
1 to 20	1	X	1	3 PWS
>20	2			
		Subtotal	1	
c) Number of Wells with Nitrate (NO₃) ≥ 10 mg/l				
0	0			
1 to 2	1			
3 to 5	2	X	2	3 Wells
6 to 9	3			
10 to 15	4			
>15	5			
		Subtotal	2	
		Population Score	4	
		Max Possible Score = 10		
2) WATER QUALITY				
	% wells	Nitrate Concentration Criteria		
Percent of wells with Nitrate (NO ₃) ≥ 2 mg/l	74%	2	1.48	
Percent of wells with Nitrate (NO ₃) ≥ 5 mg/l	35%	5	1.75	
Percent of wells with Nitrate (NO ₃) ≥ 10 mg/l	13%	10	1.30	
		Water Quality Total	4.53	
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	13.53	

**NITRATE PRIORITY AREA # 19
MOUNTAIN HOME**

Nitrate Concentrations: (mg/l)

Minimum Value	1.1
Maximum Value	28.0
Average Value	5.4
No. Samples \geq 10	3
No. Samples 5 – 9.99	5
No. Samples 2 – 4.99	9
No. Samples < 2	6
No. Samples \geq 2	17
No. Samples \geq 5	8
No. Samples \geq 10	3
% Samples \geq 2	74%
% Samples \geq 5	35%
% Samples \geq 10	13%
Total Samples	23
No. PWS Samples	3
No. SMN Samples	10
No. IDAG Samples	6
No. REG/LOC Samples	4

PWS = Public Water Systems

SMN = State Wide Monitoring Network

IDAG = Idaho Dept. of Agriculture Studies

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

USGS Trend Analysis for this area includes the city of Mountain Home, to the north, which has been classified as a Nitrate Priority Area Group 2 (50% \geq 2 mg/l).

Regional/Local Monitoring includes:

1998 follow-up, DEQ

1999 - 2000 GROUP 1 NITRATE PRIORITIZATION MOUNTAIN HOME AREA 19* (RANKED)

POPULATION (Est.) = 262

AREA (Est.) = 11,223 Acres

LAND USE = Irrigated Agriculture & Range

Analytical Results for Nitrate Data Sources:

Statewide Monitoring Network (USGS/DWR), 10 sites, most recent analysis used

Idaho Dept. of Agriculture, 6 sites, most recent analysis used

IDEQ Drinking Water Information System (DWIMS), 3 PWS, 1999-2000 data, highest value used

Regional Local Monitoring (CEQ Follow-Up 1998) 4 sites, most recent value used



Nitrate Values (mg/l)	Number of Sites
>=10	3
5 - 9.99	5
2 - 4.99	9
< 2	6

MAXIMUM VALUE = 28.0
 MINIMUM VALUE = 1.1
 MEDIAN = 3.3
 AVERAGE = 5.4
 MODE = 1.5

TOTAL NUMBER OF SAMPLING SITES = 23
 TOTAL NUMBER OF PWS SITES = 3

No. Sites Nitrate >= 2 mg/l = 17
 No. Sites Nitrate >= 5 mg/l = 8
 No. Sites Nitrate >=10 mg/l = 3

*Previously referred to as Area 12 for trend analysis

**Nitrate Analytical Results -
Statewide, PWS, IDAG,
REG/LOC**

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

□ Nitrate Priority Area 19,
Mountain Home

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

