

Priority Area Number: 11		Priority Area Name: Eagle/Star		
Ranking Criteria			Score	Comments
1) POPULATION				
	Points	Select One		
a) Within Priority 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	No 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			
6 to 9	3	X	3	9 Wells
10 to 15	4			
>15	5			
		Subtotal	3	
		Population Score	4	
		Max Possible Score = 10		
2) WATER QUALITY				
	% wells	Nitrate Concentration		
		Criteria		
Percent of wells with Nitrate (NO ₃) ≥ 2 mg/l	58%	2	1.16	
Percent of wells with Nitrate (NO ₃) ≥ 5 mg/l	58%	5	2.9	
Percent of wells with Nitrate (NO ₃) ≥ 10 mg/l	47%	10	4.7	
		Water Quality Total	8.76	
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			17.76	

NITRATE PRIORITY AREA # 11

EAGLE/STAR

Nitrate Concentrations: (mg/l)

Minimum Value	0
Maximum Value	45.2
Average Value	11.63
No. Samples \geq 10	9
No. Samples 5 – 9.99	2
No. Samples 2 – 4.99	0
No. Samples < 2	8
No. Samples \geq 2	11
No. Samples \geq 5	11
No. Samples \geq 10	9
% Samples \geq 2	58%
% Samples \geq 5	58%
% Samples \geq 10	47%
Total Samples	19
No. PWS Samples	0
No. SMN Samples	9
No. IDAG Samples	1
No. REG/LOC Samples	9

PWS = Public Water Systems

SMN = State Wide Monitoring Network

IDAG = Idaho Dep. Of Agriculture Studies

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

No Public Water System (PWS) wells are within this priority area. Data is from the Statewide Monitoring Network (SMN), collected by USGS, DEQ monitoring projects, and one Idaho Dept. of Agriculture site. Some of the SMN sites are the same as a regional/local monitoring project conducted by DEQ/USGS in 1999; Lower Boise River. Some of the SMN sites may be the same as those in a 1997 DEQ/USGS monitoring project Eagle/Star; yet the most recent analysis was selected.

1999 - 2000 GROUP 1 NITRATE PRIORITIZATION EAGLE/STAR PRIORITY AREA 11* (RANKED)

POPULATION (Est.) = 100
 AREA (Est.) = 1739 Acres
 LAND USE = Irrigated Agriculture

Analytical Results for Nitrate Data Sources:
 State Wide Monitoring Network, (USGS/DWR), 9 sites, most recent analysis used, includes some
 DEQ Lower Boise 1995 Study sites
 Idaho Dept. of Agriculture, 1 site most recent analysis used
 Regional Local Monitoring (DEQ-Eagle 1997) 9 sites, most recent value used



Nitrate Values (mg/l)	Number of Sites
>=10	9
5 - 9.99	2
2 - 4.99	0
< 2	8

MAXIMUM VALUE = 45.2
 MINIMUM VALUE = 0.0
 MEDIAN = 8.8
 AVERAGE = 11.6
 MODE = 0.3

TOTAL NUMBER OF SAMPLING SITES = 19
 TOTAL NUMBER OF PWS SITES = 0

No. Sites Nitrate >= 2 mg/l = 11
 No. Sites Nitrate >= 5 mg/l = 11
 No. Sites Nitrate >= 10 mg/l = 9

*Previously referred to as Area 7 for trend analysis

Nitrate Analytical Results - Statewide, USGS, IDAG, REG/LOC

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

□ Nitrate Priority Area 11,
Eagle/Star

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

