

Priority Area Number: 7		Priority Area Name: Fort Hall		
Ranking Criteria			Score	Comments
1) POPULATION				
	Points	Select One		
a) Within Degraded Area				
<1000	1			
1000 to 10,000	2	X	2	Population = 2000
10,000 to 100,000	3			
		Subtotal	2	
b) Source Water Protection Areas or Public Water System wells in Priority Area*				
0	0	X	0	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			
6 to 9	3			
10 to 15	4			
>15	5	X	5	22 Wells
		Subtotal		
		Population Score	7	
		Max Possible Score = 10		
2) WATER QUALITY				
	% wells	Nitrate Concentration Criteria		
Percent of wells with Nitrate (NO ₃) ≥ 2 mg/l	83%	2	1.66	
Percent of wells with Nitrate (NO ₃) ≥ mg/l	60%	5	3.00	
Percent of wells with Nitrate (NO ₃) ≥ 10 mg/l	35%	10	3.50	
		Water Quality Total	8.16	
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	20.16	

*PUBLIC WATER SYSTEM WELL INFORMATION MAINTAINED BY FORT HALL INDIAN RESERVATION AND WAS NOT AVAILABLE

**NITRATE PRIORITY AREA # 7
FORT HALL**

Nitrate Concentrations: (mg/l)

Minimum Value	0.1
Maximum Value	24.0
Average Value	8.3
No. Samples \geq 10	22
No. Samples 5 – 9.99	16
No. Samples 2 – 4.99	14
No. Samples $<$ 2	11
No. Samples \geq 2	52
No. Samples \geq 5	38
No. Samples \geq 10	22
% Samples \geq 2	83%
% Samples \geq 5	60%
% Samples \geq 10	35%
Total Samples	63
No. PWS Samples	0
No. SMN Samples	62
No. IDAG Samples	1
No. REG/LOC Samples	0

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

No Public Water System information was used in the ranking. The Fort Hall Indian Reservation maintains the data, which was not available for this ranking.

One IDAG study location was included within the Priority Area. The remainder of data used was from the Statewide Monitoring Network.

1999 - 2000 GROUP 1 NITRATE PRIORITIZATION FORT HALL PRIORITY AREA #7* (RANKED)

POPULATION = 1,000 (Est.)
 AREA (Est.) = 32,323 Acres
 LAND USE = Irrigated Agriculture, Very Small Areas of Range Land

Analytical Results for Nitrate Data Sources:
 State Wide Monitoring Network USGS/IDWR, 62 sites, most recent analysis used
 IDAG, 1 site most recent analysis used
 PUBLIC WATER SYSTEM INFORMATION MAINTAINED BY FORT HALL
 INDIAN RESERVATION AND WAS NOT AVAILABLE



Nitrate Values (mg/l)	Number of Sites
>= 10	22
5 - 9.99	16
2 - 4.99	14
< 2	11

MAXIMUM VALUE = 24.0
 MINIMUM VALUE = 0.1
 MEDIAN = 6.6
 AVERAGE = 8.3
 MODE = 11.0

TOTAL NUMBER OF SITES = 63

No. Sites Nitrate >= 2 mg/l = 52
 No. Sites Nitrate >= 5 mg/l = 38
 No. Sites Nitrate >= 10 mg/l = 22

*Previously referred to as Area #19 for trend analysis

Nitrate Analytical Results - Statewide, USGS, IDAG

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

□ Nitrate Priority Area 7
Fort Hall

USGS = United States Geological Survey
 IDAG = Idaho Department of Agriculture
 IDWR = Idaho Department of Water Resources
 PWS = Public Water System
 mg/l = milligrams per liter

