

Priority Area Number: 15		Priority Area Name: Lapwai Creek	
Ranking Criteria		Score	Comments
1) POPULATION			
	Points	Select One	
a) Within Priority Area			
<1000	1	X	1 Population = 600
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	4 PWS
>20	2		
		Subtotal	1
c) Number of Wells with Nitrate (NO₃) ≥ 10 mg/l			
0	0		
1 to 2	1	X	1 Well
3 to 5	2		
6 to 9	3		
10 to 15	4		
>15	5		
		Subtotal	1
		Population Score	3
		Max Possible Score = 10	
2) WATER QUALITY			
	% wells	Nitrate Concentration Criteria	
Percent of wells with Nitrate (NO ₃) ≥ 2 mg/l	100%	2	2
Percent of wells with Nitrate (NO ₃) ≥ 5 mg/l	50%	5	2.5
Percent of wells with Nitrate (NO ₃) ≥ 10 mg/l	25%	10	2.5
		Water Quality Total	7
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

**NITRATE AREA # 15
LAPWAI CREEK**

Nitrate Concentrations: (mg/l)

Minimum Value	2.6
Maximum Value	15.0
Average Value	7.2
No. Samples \geq 10	1
No. Samples 5 – 9.99	1
No. Samples 2 – 4.99	2
No. Samples < 2	0
No. Samples \geq 2	4
No. Samples \geq 5	2
No. Samples \geq 10	1
% Samples \geq 2	100%
% Samples \geq 5	50%
% Samples \geq 10	25%
Total Samples	4
No. PWS Samples	4
No. SMN Samples	0
No. IDAG Samples	0
No. REG/LOC Samples	0

PWS = Public Water Systems

SMN = State Wide Monitoring Network

IDAG = Idaho Dep. Of Agriculture Studies

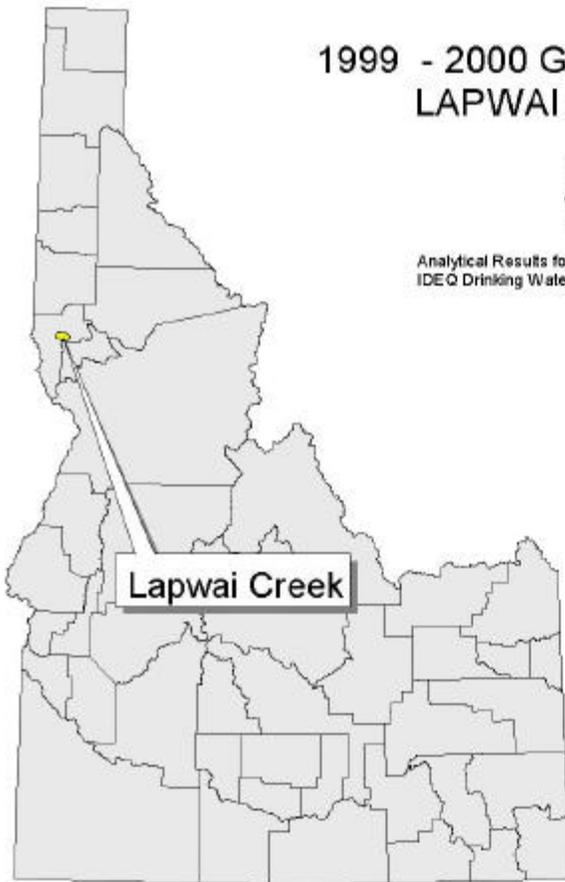
REG/LOC = Regional/Local Monitoring DEQ and DEQ/IDAG Projects

Public Water System wells only are used in the ranking process; other studies are located outside the priority area

1999 - 2000 GROUP 1 NITRATE PRIORITIZATION LAPWAI CREEK AREA #15* (RANKED)

POPULATION (Est.) = <1,000
 AREA (Est.) = 17,587 Acres
 LAND USE = Dryland Agriculture

Analytical Results for Nitrate Data Sources:
 IDEQ Drinking Water Information System (DWIMS), 4 PWS, 1999-2000 data, highest value used



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

MAXIMUM VALUE = 15.0
 MINIMUM VALUE = 2.6
 MEDIAN = 5.6
 AVERAGE = 7.2

TOTAL NUMBER OF SAMPLED SITES = 4
 TOTAL NUMBER OF PWS SITES = 4

No. Sites Nitrate >= 2 mg/l = 4
 No. Sites Nitrate >= 5 mg/l = 2
 No. Sites Nitrate >= 10 mg/l = 1

*Previously referred to as Area 2 for trend analysis

Nitrate Analytical Results - PWS

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

Nitrate Priority Area 15, Lapwai Creek

IDEQ = Idaho Department of Environmental Quality
 PWS = Public Water System
 mg/l = milligrams per liter



1 0 1 2 Miles

