

ARIZONA DIVISION OF ENVIRONMENTAL PROTECTION
 BUREAU OF WATER QUALITY PLANNING
 GRAB/SURFACE WATER SAMPLES
 PROVISIONAL RECORDS

See Below for Explanation

STATION NAME	STATION ID	STORET ID MODERN	STORET ID LEGACY	DATE	TIME	Q N		Q NO3+NO2	NITRATE+	Q N-TOTAL	N-TOTAL	Q N	N	Q NITRATE	NITRATE	Q NITRATE	NITRATE	Q NITRITE	NITRITE	Q P	P	Q Ortho P	Ortho P	Q FECAL STREP	FECAL STREP	Q FECAL COLI	FECAL COLI	Q E COLI	E COLI	Comments
						TOTAL	TOTAL	as N	as N	KJELDAHL	KJELDAHL	AMMON	AMMON	as N	as N	as NO3	as NO3	as N	as N	TOTAL	TOTAL	P	P	MG/L P	MG/L P	MG/L	MG/L	MG/L	MG/L	
Owyhee River above Mill Creek	E4	NV03-104-M-002	310047	7/29/2008	16:20		0.8		0.2		0.6	<	0.1													10		75		
Owyhee River above Mill Creek	E4	NV03-104-M-002	310047	4/23/2008	10:50		0.4	<	0.1		0.4	<	0.1												40		20			
Owyhee River above Mill Creek	E4	NV03-104-M-002	310047	11/6/2007	13:15		0.3	<	0.1		0.3	<	0.1											<	10	<	10			
Owyhee River above Mill Creek	E4	NV03-104-M-002	310047	8/28/2007	13:10		1.6		0.6		1	<	0.1											<	10		31			
Owyhee River above Mill Creek	E4	NV03-104-M-002	310047	6/4/2007	16:45		0.7	<	0.1		0.7	<	0.1																	
Owyhee River above Mill Creek	E4	NV03-104-M-002	310047	3/21/2007	13:55		0.3	<	0.1		0.3	<	0.1											<	10	<	10			
Owyhee River above Mill Creek	E4	NV03-104-M-002	310047	11/29/2006	14:50		0.2	<	0.1		0.2	<	0.1											<	10	<	10			
Owyhee River above Mill Creek	E4	NV03-104-M-002	310047	9/5/2006	15:30		1		0.2		0.8	<	0.1												70		64			
Owyhee River above Mill Creek	E4	NV03-104-M-002	310047	5/16/2006	14:10		0.6	<	0.1		0.6	<	0.1												100		111			
Owyhee River above Mill Creek	E4	NV03-104-M-002	310047	2/7/2006	13:40		0.4		0.1		0.3	<	0.1											<	10	<	10			
Owyhee River above Mill Creek	E4	NV03-104-M-002	310047	10/18/2005	14:10		0.5		0.1		0.4	<	0.1											<	10	<	10			
Owyhee River above Mill Creek	E4	NV03-104-M-002	310047	8/16/2005	15:10		0.6	<	0.1		0.6	<	0.1												160		75			
Owyhee River above Mill Creek	E4	NV03-104-M-002	310047	6/14/2005	15:00		0.2	<	0.1		0.2	<	0.1												30		20			
Owyhee River above Mill Creek	E4	NV03-104-M-002	310047	4/19/2005	16:35		0.3	<	0.1		0.3	<	0.1											<	10		10			
Owyhee River above Mill Creek	E4	NV03-104-M-002	310047	10/5/2004	14:10		0.4	<	0.5		0.4	<	0.1											<	10		111			
Owyhee River above Mill Creek	E4	NV03-104-M-002	310047	7/12/2004	17:30		0.5	<	0.5		0.5	<	0.1											<	10		31			
Owyhee River above Mill Creek	E4	NV03-104-M-002	310047	3/23/2004	15:15		0.6	<	0.5		0.6	<	0.1												30		42			
Owyhee River above Mill Creek	E4	NV03-104-M-002	310047	10/14/2003	14:45	E	0.83	E	0.02		0.8	<	0.1												50		10			
Owyhee River above Mill Creek	E4	NV03-104-M-002	310047	8/12/2003	14:20	E	0.53	E	0.02		0.5	<	0.1												20		10			
Owyhee River above Mill Creek	E4	NV03-104-M-002	310047	4/22/2003	13:45	E	0.41	E	0		0.4	<	0.1												40		64			
Owyhee River above Mill Creek	E4	NV03-104-M-002	310047	8/12/2002	17:30	E	0.52	E	0.02		0.49	<	0.1												30		20			
Owyhee River above Mill Creek	E4	NV03-104-M-002	310047	7/9/2002	15:10		0.72		0.11		0.6	<	0.1												10	<	10			
Owyhee River above Mill Creek	E4	NV03-104-M-002	310047	3/26/2002	14:15	E	0.43	E	0		0.42	<	0.1											<	10	<	10			
Owyhee River above Mill Creek	E4	NV03-104-M-002	310047	9/18/2001	15:05		0.44	E	0.01		0.42	<	0.1												30		31			
Owyhee River above Mill Creek	E4	NV03-104-M-002	310047	7/10/2001	15:15		0.42	E	0		0.41	<	0.1												10		31			
Owyhee River above Mill Creek	E4	NV03-104-M-002	310047	4/3/2001	13:35		0.41	E	0.04		0.36	<	0.1											<	10	<	10			
Owyhee River above Mill Creek	E4	NV03-104-M-002	310047	9/19/2000	13:00		0.52				0.49	<	0.1		0.02		0.09	<	0.01		0.1	0.08			30		64			
Owyhee River above Mill Creek	E4	NV03-104-M-002	310047	7/11/2000	14:50		0.56				0.48	<	0.1		0.07		0.31	<	0.01		0.06	0.04			50		75			
Owyhee River above Mill Creek	E4	NV03-104-M-002	310047	3/21/2000	15:10		0.4				0.37	<	0.1		0.02		0.09	<	0.01		0.13	0.03		<	10		10			
Owyhee River above Mill Creek	E4	NV03-104-M-002	310047	9/21/1999	16:00	C	0.72				0.54	<	0.1		0.16		0.71		0.02		0.14	0.1			80		124			
Owyhee River above Mill Creek	E4	NV03-104-M-002	310047	7/6/1999	15:35		0.77				0.76	<	0.1		0		0	<	0.01		0.07	0.04	<	10		20	<	10		
Owyhee River above Mill Creek	E4	NV03-104-M-002	310047	3/23/1999	14:55		0.77				0.64	<	0.1		0.12		0.53	<	0.01		0.13	0.05	<	10			10			

Prior to January 2001 the ELS was in the habit of certifying laboratories for nitrate nitrogen and nitrite nitrogen. At that time nitrate samples were required to be preserved with sulfuric acid and nitrite samples were required to have no chemical preservative. The latter were required to be placed in a cold environment upon sampling or analyzed immediately. Samples for nitrite that were cold preserved had only a 48 hr hold time. Nitrate samples preserved with sulfuric acid had a seven-day hold time. Although EPA had an official category of nitrate/nitrite nitrogen, the ELS did not usually certify laboratories for the combination, since it would have been redundant for a laboratory certified for each analyte.

A new methodology (Method 300.0) became very popular among the laboratories. This method required that the nitrate sample also not be chemically preserved and depended upon refrigeration and a quick analysis (within 48 hours). There was also the problem of getting samples to laboratories for either nitrate or nitrite so that it could be analyzed within the short hold time. Such samples had to be sulfuric acid preserved and then analyzed for nitrate/nitrite co

The advent of these complications required EPA to revise hold time and preservative protocols so that good laboratory procedures could be practiced within promulgated methodology.

Starting January 1, 2001 it became accepted practice to report sulf that are analyzed with the 7-day hold time as nitrate/nitrite nitrogen. Nitrite nitrogen are still reported as independent parameters, but re refrigeration from the time of sampling until analysis.