

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

STATION NAME	STATION ID	STORET ID MODERN POST 1/1/1999	STORET ID LEGACY PRE 1999	DATE	TIME	TEMP	DISS O2 MG/L	pH FIELD	pH LAB	CONDUCT UM/CM	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q						
											COLOR	COLOR PL-CO	CHLORIDE DISS	CHLORIDE DISS MG/L	SULFATE DISS	SULFATE DISS MG/L SO4	TDS MG/L	TSS MG/L	TSS MG/L	TURBID NTU	TURBID NTU	ALKAL as CaCO3	ALKAL as CaCO3	ALKAL BICARB as CaCO3	ALKAL BICARB as CaCO3	BICARB as HCO3	BICARB as HCO3	ALKAL CARB as CaCO3	ALKAL CARB as CaCO3	CO3 as CO3	CO3 as CO3		
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	10/15/2008	13:25	10.3	10.76	8.43	8.28	260		15			20		28		169		15				66		66		81	<	20	<	12
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	10/16/2007	11:15	12.9	9.73	8.5	8.39	290		10		15		32		176	<	10		11			85		80		97	<	20	<	12
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	7/19/2007	10:45	19.6	4.88	7.98	8.24	250		15		10		28		154	<	10		12			79		79		96	<	20	<	12
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	8/9/2006	10:00	19.6	3.57	7.58	8.05	180		20	<	5		19		131	<	10		17			61		61		74	<	20	<	12
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	4/11/2006	13:15	7.6	11.76	8.1	8.31	200		30		8		34		187	<	10		32			75		74		90	<	20	<	12
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	11/2/2005	10:05	13.2	8.64	7.9	8.18	220		30		9		27		170		46		55			71		71		87	<	20	<	12
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	4/13/2005	10:30	8.8	8.98	8.3	8.3	350		15		21		44		246	<	10		19			97		96		117	E	2	E	1
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	11/9/2004	9:45	9.3	9.4	8.4	8.23	320		30		19		36		226		11		33			88		88		107	<	20	<	12
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	9/15/2004	15:50	19.46	7.98	8.15	8.28	270		30		13		31		186	<	10		27			80		80		98	<	20	<	12
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	7/21/2004	10:40	21	6.07	8.1	8.09	260		20		12		28		187		17		32			78		78		95	<	20	<	12
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	5/26/2004	9:55	15	7.83	8.1	8.18	260		15		14		29		182		10		20			72		72		88	<	20	<	12
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	10/22/2003	9:10	15.7	5.16	8.2	8.1	260		50		10		32		203		66		60			80		80		98		0		0
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	8/20/2003	13:30	21.2	4.25	8.1	7.96	270		20		11		32		180		19		23			78		78		95		0		0
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	6/17/2003	14:50	15.6	9.71	8.1	8.21	300		10		14		33		194		11		12			82		82		100		0		0
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	4/7/2003	10:55	8.4	5.46	7.1	8.17	260		10		15		24		165		17		12			72		72		88		0		0
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	11/25/2002	15:40	9.2	12.41	8.9	8.7	310		20		16		33		220		30		26			84		76		93		8		5
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	9/17/2002	15:55	19	7.47	8.4	8.29	290		20		11		35		194		21		25			82		82		100		0		0
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	7/17/2002	13:30	19.7	6.24	8.3	8.14	280		15		12		33		185		37		27			78		78		95		0		0
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	5/28/2002	9:30	15	8	8.1	8.11	280		10		14		32		193		33		26			78		78		95		0		0
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	3/20/2002	15:10	16	10.8	8.8	8.67	340		10		21		39		216	E	9		8.3			92		88		107		4		2
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	11/27/2001	15:15		9.31	8.66		330		12		18		38		204		18		20			90		82		100		8		5
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	9/25/2001	16:20	19	7.4	8.8	8.09	310		15		13		34		200		42		38			86		86		105		0		0
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	7/18/2001	11:00	19	6.6	8.07	8.2	290		10		11		35		201		20		45			84		84		102		0		0
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	5/29/2001	16:05	16	7.53	8.1	8.08	281		10		12		33		190		13		20			80		80		98		0		0
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	9/12/2000	15:30	18.5	7.7	8.21	8.23	269		12		7		34		194		20		50			80		80		98		0		0
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	7/19/2000	10:25	20	6.8	7.8	8.21	269		20		7		34		212		21		55			80		80		98		0		0
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	5/24/2000	10:20	14.8	8.6	8.18	8.31	281		55		7		36		193		22		40			84		80		98		4		2
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	1/11/2000	15:00	7.2	18.2	9.06	7.87	282		40		10		30		185		38		53.9			84		84		102		0		0
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	11/23/1999	10:40	6.2	13.16	8.57	7.87	276		60		9		28		188		6		39.5			84		84		102		0		0
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	9/14/1999	15:50	20.6		8.01	7.62	203		55		4		20		155		43		55			64		64		78		0		0
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	7/21/1999	10:45	19.2	7.45	8.01	7.45	224		45		5		24		161		63		48			66		66		81		0		0
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	5/25/1999	9:40	13.2	8.87	8.28	7.89	267		30		7		32		178		14		27.8			78		78		95		0		0
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	3/17/1999	10:05	6.1	10.29	8	7.94	230		45		4		23		146		27		33.4			66		66		81		0		0
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	1/12/1999	10:30	4.5	16.16	8.54	7.89	305		25				27		194		24		28.9			92		92		112		0		0

C= CALCULATED
 O= SAMPLED BUT ANALYSIS NOT PERFORMED
 E= ESTIMATE, VALUE LESS THAN THE STATE HEALTH LAB REPORTING LIMIT, TRACKED FROM DEC. 2001 ON

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See Below for Explanation

STATION NAME	STATION ID	STORET ID MODERN	STORET ID LEGACY	DATE	TIME	Q		Q		Q		Q		Q		Q		Q		Q		Q		Q		Comments		
						N	N	NO3+NO2 as N	NITRATE+ NITRITE as N	N-TOTAL KJELDAHL	N-TOTAL KJELDAHL	N AMMON	N DISS	NITRATE as N	NITRATE as N	NITRATE as NO3	NITRATE as NO3	NITRITE as N	NITRITE as N	P TOTAL	P TOTAL	Ortho P	Ortho P	FECAL STREP	FECAL STREP		FECAL COLI	FECAL COLI
						TOTAL	TOTAL	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L				
C= CALCULATED																												
O= SAMPLED BUT ANALYSIS NOT PERFORMED																												
E= ESTIMATE, VALUE LESS THAN THE STATE HEALTH LAB REPORTING LIMIT, TRACKED FROM DEC. 2001 ON																												
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	10/15/2008	13:25		0.5	<	0.1		0.5	<	0.1											10	<	10		
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	10/16/2007	11:15		0.6	<	0.1		0.6	<	0.1											<	10	<	10	
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	7/19/2007	10:45		0.6		0.1		0.5	<	0.1												10		20	
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	8/9/2006	10:00		0.6		0.2		0.4	<	0.1												10	<	10	
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	4/11/2006	13:15		0.8		0.4		0.4	<	0.1											<	10		10	
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	11/2/2005	10:05		0.9		0.4		0.5	<	0.1												130		164	
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	4/13/2005	10:30		0.6		0.1		0.5	<	0.1												40		87	
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	11/9/2004	9:45		0.4	<	0.5		0.4	<	0.1										<	10	<	10		
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	9/15/2004	15:50		0.4	<	0.5		0.4	<	0.1										<	10	<	10		
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	7/21/2004	10:40		0.4	<	0.5		0.4	<	0.1										<	10		10		
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	5/26/2004	9:55		0.3	<	0.5		0.3	<	0.1												10		31	
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	10/22/2003	9:10		0.53		0.11		0.4	<	0.1												10	<	10	
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	8/20/2003	13:30		0.53		0.12		0.4	<	0.1										<	10	<	10		
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	6/17/2003	14:50	E	0.39	E	0.08		0.3	<	0.1												10		53	
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	4/7/2003	10:55	E	0.34	E	0.03		0.3	<	0.1												10		10	
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	11/25/2002	15:40		0.36		0.1		0.25	<	0.1										<	10	<	10		
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	9/17/2002	15:55	E	0.55	E	0.09		0.45	<	0.1										<	10	<	10		
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	7/17/2002	13:30		0.44		0.1		0.34	<	0.1												40		10	
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	5/28/2002	9:30	E	0.43	E	0.03		0.39	<	0.1												20	<	10	
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	3/20/2002	15:10	E	0.33	E	0		0.32	<	0.1										<	10		10		
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	11/27/2001	15:15		0.35	E	0.02		0.32	<	0.1										<	10		20		
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	9/25/2001	16:20		0.42	E	0.08		0.33	<	0.1										<	10	<	10		
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	7/18/2001	11:00		0.58		0.14		0.43	<	0.1										<	10		30		
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	5/29/2001	16:05		0.54		0.11		0.4		0.11										<	10		31		
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	9/12/2000	15:30	C	0.56				0.4	<	0.1												10	<	10	
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	7/19/2000	10:25	C	0.64				0.41	<	0.1												60		31	
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	5/24/2000	10:20	C	0.37				0.13	<	0.1												10		20	
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	1/11/2000	15:00	C	0.73				0.59	<	0.1												10	<	10	
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	11/23/1999	10:40	C	0.54				0.45	<	0.1												10	<	10	
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	9/14/1999	15:50	C	0.72				0.5	<	0.1												10		20	
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	7/21/1999	10:45		0.73				0.54	<	0.1												20		10	
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	5/25/1999	9:40	C	0.77				0.43	<	0.1													10		20
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	3/17/1999	10:05	C	0.95				0.59	<	0.1													<	10	
Carson River Below Lahontan Dam	C18	NV08-203-M-001	310106	1/12/1999	10:30	C	0.96				0.75	<	0.1													<	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 cc

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.