

FEDERAL 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 U/M/CM	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q					
											COLOR	COLOR PL-CO	CHLORIDE DISS MG/L	SULFATE DISS MG/L	SULFATE DISS MG/L SO4	TDS MG/L	TSS MG/L	TSS MG/L	TURBID	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		
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 @ New Empire Bridge	C1	NV08-202-M-001	310015	11/1/2005	14:40	12.3	11.27	7.1	8.31	280				11		40	193		17		9.8			90		89		108	<	20	<	12
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	4/12/2005	15:05	13.2	9.46	8.2	8.24	230				6		30	166		26		14			74		74		90	<	20	<	12
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	11/8/2004	13:25	8.2	10.8	8.4	8.23	320				11		45	214	<	10		5.9			92		92		112	<	20	<	12
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	7/21/2004	8:50	21.4	5.83	8.1	8.13	620				26		110	414	<	10		2.4			172		172		210	<	20	<	12
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	5/25/2004	15:05	17.9	7.63	8.2	8.13	170				5		16	124		17		11			60		60		73	<	20	<	12
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	3/16/2004	14:55	12.1	7.84	7.9	7.96	170				5		19	129		80		37			58		58		71	<	20	<	12
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	1/6/2004	13:50	0.7	9.94	8.1	8.14	380				13		59	266		16		7.7			104		104		127	<	20	<	12
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	12/9/2003	14:40	3.1	6.44	8.1	7.94	250				8		33	174		11		15			74		74		90		0		0
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	10/21/2003	14:20	14.8	7.14	8.2	8.33	430				14		65	250	E	6		5.6			128		126		154		2		1
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	8/20/2003	11:15	24.7	6.89	8.9	8.42	580				15		120	366	E	3		2.5			144		140		171		4		2
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	6/17/2003	13:05	20	15.69	8	7.8	100				2		6	72		85		27			38		38		46		0		0
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	4/8/2003	14:40	13.4	8.6		8.25	250				7		31	163		16		9.8			74		74		90		0		0
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	2/11/2003	16:15	4.2	10.78	8.2	8.19	260				8		35	161		11		5			78		78		95		0		0
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	1/7/2003	13:40	3.6	9.1	8.2	8.09	340				11		51	216	E	3		6			90		90		110		0		0
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	11/25/2002	14:00	7	9.75	8.2	8.22	320				10		47	220	E	6		4.2			90		90		110		0		0
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	7/17/2002	11:30	25.2	7.49	8.3	8.32	550				19		96	350		39		11			146		146		178		0		0
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	5/28/2002	11:20	16	8.3	8.1	7.91	120				2		10	90		45		22			46		46		56		0		0
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	3/20/2002	13:30	10	10.2	8.2	8.14	280				7		35	178		14		8			78		78		95		0		0
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	1/8/2002	14:50	5.3	12.84	8.8	8.89	250				7		34	166		39		16			74		74		90		0		0
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	11/27/2001	13:30			8.17	7.8	300				12		46	198		24		15			78		78		95		0		0
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	7/17/2001	15:30	26	7.2	8.59	8.59	528				18		100	358		4		2.7			134		122		149		12		7
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	5/29/2001	14:30	20	8.51	8	8.01	148				3		14	108		29		14			50		50		61		0		0
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	3/21/2001	11:05	11.9	13.13	8	8.05	239				6		32	152		54		27			70		70		85		0		0
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	1/8/2001	11:30	3.1	7.71	8.01	8.16	366				11		67	224		8		7.2			94		94		115		0		0
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	11/20/2000	13:40	4.5	11.2	8.34	8.16	345				11		51	232		6		8.4			96		96		117		0		0
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	9/12/2000	13:40	23.2	7.2	8.45	8.33	533				18		96	310		53		28			132		132		161		0		0
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	7/18/2000	16:00	27.9	8.1	8.2	8.53	506				16		84	326		6		5.5			140		132		161		8		5
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	5/23/2000	14:20	17.9	8.4	8.04	7.8	98				2		5	66		112		37			40		40		49		0		0
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	3/13/2000	12:20	11.7	12.97	8.65	7.64	313				9		41	184		27		13			90		90		110		0		0
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	1/11/2000	14:00	5.2		8.71	7.84	349				10		55	194		18		14.9			92		92		112		0		0
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	11/22/1999	15:05	4.8	19.35		7.83	298				9		39	170		6		10.6			86		86		105		0		0
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	9/14/1999	14:10	22.2		8.34	8.1	402				12		47	248		4		6.6			124		124		151		0		0
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	7/21/1999	9:10	19.1	7.74	8.17	7.58	298				8		24	199		21		10			100		100		122		0		0
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	5/25/1999	11:22	12.3	8.6	7.71	7.19	80				1		4	51		275		120			28		28		34		0		0
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	3/16/1999	14:45	10.2	1.56	7.8	7.98	281				6		34	159		29		17.9			78		78		95		0		0
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	1/12/1999	14:40	3.9	16.69	8.47	7.81	284				6		32	171		18		12.4			78		78		95		0		0

STATE 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 N3+NO2		Q N-TOTAL		Q N		Q NITRATE		Q NITRATE		Q NITRITE		Q P		Q Ortho		Q FECAL		Q FECAL		Q E		Comments		
						TOTAL	TOTAL	as N	NITRITE	KJELDAHL	KJELDAHL	AMMON	AMMON	as N	as N	as NO3	as NO3	as N	as N	TOTAL	TOTAL	P	Ortho P	STREP	STREP	COLI	COLI	COLI	COLI		COLI	COLI
						MG/L		as N		MG/L		DISS		MGL N		MG/L		MG/L		MG/L		MG/L P		#/100ML		#/100ML		#/100ML				
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 @ New Empire Bridge	C1	NV08-202-M-001	310015	11/1/2005	14:40		0.4		0.1		0.3	<																				
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	4/12/2005	15:05		0.5	<	0.1		0.5	<																				
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	11/8/2004	13:25		0.3	<	0.5		0.3	<																				
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	7/21/2004	8:50		0.6	<	0.5		0.6	<																				
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	5/25/2004	15:05		0.4	<	0.5		0.4	<																				
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	3/16/2004	14:55		0.4	<	0.5		0.4	<																				
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	1/6/2004	13:50		0.54		0.13		0.4	<																				
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	12/9/2003	14:40	E	0.35	E	0.04		0.3	<																				
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	10/21/2003	14:20	E	0.41	E	0		0.4	<																				
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	8/20/2003	11:15	E	0.44	E	0.03		0.4	<																				
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	6/17/2003	13:05	E	0.53	E	0.02		0.5	<																				
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	4/8/2003	14:40	E	0.56	E	0.05		0.5	<																				
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	2/11/2003	16:15	E	0.27	E	0.06		0.2	<																				
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	1/7/2003	13:40	E	0.51	E	0		0.5	<																				
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	11/25/2002	14:00		0.43		0.15		0.27	<																				
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	7/17/2002	11:30	E	0.58	E	0.06		0.51	<																				
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	5/28/2002	11:20	E	0.41	E	0.06		0.34	<																				
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	3/20/2002	13:30	E	0.26	E	0		0.25	<																				
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	1/8/2002	14:50	E	0.38	E	0		0.37	<																				
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	11/27/2001	13:30		0.51	E	0.02		0.48	<																				
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	7/17/2001	15:30		0.52	E	0		0.51	<																				
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	5/29/2001	14:30		0.33	E	0		0.32	<																				
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	3/21/2001	11:05		0.51	E	0.04		0.46	<																				
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	1/8/2001	11:30		0.3	E	0.07		0.22	<																				
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	11/20/2000	13:40		0.33				0.32	<																				
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	9/12/2000	13:40		0.54				0.53	<																				
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	7/18/2000	16:00		0.46				0.45	<																				
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	5/23/2000	14:20		0.37				0.35	<																				
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	3/13/2000	12:20		0.72				0.57	<																				
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	1/11/2000	14:00		0.57				0.53	<																				
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	11/22/1999	15:05		0.45				0.44	<																				
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	9/14/1999	14:10		1.1				0.63	<																				
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	7/21/1999	9:10		0.64				0.63	<																				
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	5/25/1999	11:22		0.45				0.39	<																				
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	3/16/1999	14:45		0.6				0.53	<																				
Carson River @ New Empire Bridge	C1	NV08-202-M-001	310015	1/12/1999	14:40		1.19				0.62	<																				

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 sulfuric acid preserved samples that are analyzed with the 7-day hold time as nitrate/nitrite nitrogen. Nitrate nitrogen and Nitrite nitrogen are still reported as independent parameters, but require a short hold time refrigeration from the time of sampling until analysis.