

USGS, SAN JUAN RIVER DATA COLLECTED 1928 - 2015

Site No	Site Name	SRS Parameter Name	Sample Fraction	Unit	Count of Result Value	Max of Result Value	Min of Result Value	Average of Result Value	SD of Result Value
9372200	MCELMO CREEK NEAR BLUFF, UTAH	Specific conductance	Total	uS/cm @25C	32	3500	1410.00	2472.50	568.43
9378200	MONTEZUMA CREEK AT GOLF COURSE AT MONTICELLO, UT	Specific conductance	Total	uS/cm @25C	83	2230	170.00	712.83	462.89
9378600	MONTEZUMA CREEK NEAR BLUFF, UTAH	Alkalinity	Total	mg/l CaCO3	29	346	94.00	197.52	57.86
		Ammonia and ammonium	Dissolved	mg/l as N	1	0.02	0.02	0.02	
		Boron	Dissolved	ug/l	29	300	50.00	116.90	58.38
		Calcium	Dissolved	mg/l	29	250	17.00	125.34	70.90
		Carbon dioxide	Total	mg/l	29	4.7	0.80	2.11	0.77
		Chloride	Dissolved	mg/l	30	270	22.00	125.70	83.47
		Dissolved oxygen (DO)	Dissolved	mg/l	1	8.7	8.70	8.70	
		Dissolved oxygen saturation	Dissolved	% saturatn	1	99	99.00	99.00	
		Hardness, non-carbonate		mg/l CaCO3	1	110	110.00	110.00	
		Inorganic nitrogen (nitrate and nitrite)	Dissolved	mg/l as N	22	1.2	0.00	0.45	0.32
		Magnesium	Dissolved	mg/l	29	200	3.10	82.81	62.14
		pH	Total	std units	30	8.6	8.00	8.26	0.15
		Potassium	Dissolved	mg/l	29	18	2.50	5.22	2.69
		Sodium	Dissolved	mg/l	29	530	67.00	192.03	102.60
		Specific conductance	Total	uS/cm @25C	62	3600	560.00	1906.66	891.30
		Sulfate	Dissolved	mg/l	30	1500	130.00	733.33	452.27
		Total dissolved solids	Dissolved	mg/l	29	2490	368.00	1362.24	715.54
9379500	SAN JUAN RIVER NEAR BLUFF, UT	Alkalinity	Dissolved	mg/l CaCO3	184	331	66.00	119.99	30.08
		Alkalinity	Total	mg/l CaCO3	2552	7440	46.00	144.91	148.35
		Aluminum	Dissolved	ug/l	83	90	1.00	14.37	14.45
		Ammonia and ammonium	Dissolved	mg/l as N	173	0.34	0.00	0.04	0.04
		Ammonia and ammonium	Total	mg/l as N	74	1	0.00	0.06	0.13
		Arsenic	Dissolved	ug/l	118	5	1.00	1.31	0.69
		Arsenic		ug/l	27	48	0.00	4.85	9.31
		Arsenic	Total	ug/l	38	180	1.00	10.01	29.50

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		Barium	Dissolved	ug/l	103	500	24.30	110.62	75.35
		Barium		ug/l	21	5600	0.00	690.95	1268.16
		Bicarbonate	Dissolved	mg/l	83	438	80.00	146.23	55.21
		Bicarbonate	Total	mg/l	2450	9080	56.00	178.81	184.45
		Boron	Dissolved	ug/l	1819	1200	0.00	67.83	59.52
		Cadmium	Dissolved	ug/l	90	3	0.00	1.14	0.51
		Cadmium		ug/l	23	19	0.00	5.83	6.10
		Cadmium	Total	ug/l	25	20	0.00	9.20	9.79
		Calcium	Dissolved	mg/l	2642	327	0.00	91.13	32.98
		Carbon dioxide	Total	mg/l	1436	143000	0.50	105.29	3773.49
		Carbonate (CO3)	Dissolved	mg/l	83	8	0.00	1.72	2.81
		Carbonate (CO3)	Total	mg/l	547	47	0.00	0.61	3.36
		Carbonate (CO3)		mg/l CaCO3	9	140	100.00	116.78	16.85
		Chloride	Dissolved	mg/l	2724	325	2.00	20.10	12.94
		Chromium	Dissolved	ug/l	84	20	0.00	2.22	3.66
		Chromium		ug/l	30	250	0.00	28.60	54.29
		Copper	Dissolved	ug/l	64	13	1.00	2.76	2.28
		Copper		ug/l	33	490	0.00	76.24	137.25
		Dissolved oxygen (DO)	Dissolved	mg/l	276	14.4	5.50	9.26	1.82
		Dissolved oxygen saturation	Dissolved	% saturatn	190	125	85.00	99.24	4.97
		Hardness, non-carbonate		mg/l CaCO3	28	210	14.00	117.57	52.71
		Hardness, non-carbonate	Dissolved	mg/l CaCO3	175	720	16.00	118.49	74.55
		Hardness, non-carbonate	Total	mg/l CaCO3	2450	840	0.00	191.32	100.46
		Inorganic nitrogen (nitrate and nitrite)	Dissolved	mg/l as N	263	2.7	0.00	0.40	0.36
		Inorganic nitrogen (nitrate and nitrite)	Total	mg/l as N	88	2.6	0.03	0.78	0.54
		Iron	Dissolved	ug/l	128	410	3.00	23.03	51.41
		Iron	Recoverable	ug/l	223	280000	0.00	5990.54	31113.04
		Iron		ug/l	12	180000	930.00	40535.83	60842.56
		Iron	Total	ug/l	1435	37000	0.00	135.67	1024.60
		Lead	Dissolved	ug/l	70	10	0.00	1.74	1.98
		Lead		ug/l	31	800	0.00	95.23	159.25

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		Magnesium	Dissolved	mg/l	2641	68	2.70	23.24	10.59
		Manganese	Dissolved	ug/l	106	190	0.00	5.89	20.20
		Manganese		ug/l	29	14000	20.00	1300.69	3171.62
		Mercury	Dissolved	ug/l	70	2.4	0.00	0.25	0.36
		Mercury		ug/l	28	1.6	0.00	0.21	0.45
		Nickel	Dissolved	ug/l	79	10	0.00	1.39	1.24
		Nickel		ug/l	11	53	1.00	15.91	17.63
		Nitrogen, mixed forms (NH3), (NH4), organic, (NO2) and (NO3)	Dissolved	mg/l	70	1.8	0.17	0.67	0.41
		Nitrogen, mixed forms (NH3), (NH4), organic, (NO2) and (NO3)	Total	mg/l	174	36	0.24	2.36	4.68
		Nitrogen, mixed forms (NH3), (NH4), organic, (NO2) and (NO3)		mg/l NO3	82	160	1.40	13.43	25.06
		Organic nitrogen	Dissolved	mg/l	68	1.1	0.02	0.28	0.22
		Organic nitrogen	Total	mg/l	140	34	0.17	1.63	3.93
		pH	Total	std units	1494	8.9	3.20	7.82	0.33
		Phosphate-phosphorus	Total	mg/l	14	4	0.02	0.49	1.13
		Potassium	Dissolved	mg/l	1923	16	0.50	4.31	1.99
		Selenium	Dissolved	ug/l	129	7	0.00	1.85	1.35
		Selenium		ug/l	31	25	0.00	1.55	4.50
		Selenium	Total	ug/l	37	27	0.00	4.30	4.59
		Silver	Dissolved	ug/l	96	1	0.00	0.90	0.31
		Silver		ug/l	17	10	0.00	0.88	2.42
		Sodium	Dissolved	mg/l	2176	353	7.60	76.01	43.24
		Specific conductance	Total	uS/cm @25C	2496	2310	233.00	855.67	337.08
		Sulfate	Dissolved	mg/l	2724	1070	25.00	310.12	162.04
		Total dissolved solids	Dissolved	mg/l	3551	1860	7.00	624.03	271.86
		Total dissolved solids		tons/ac ft	2756	2.53	0.01	0.86	0.37
		Total dissolved solids		tons/day	2748	119000	55.70	3007.84	4269.81
		Turbidity	Total	JTU	41	7200	3.00	759.10	1556.02
		Turbidity		NTU	137	11000	2.10	612.98	1607.37

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371044110540000	SAN JUAN RIVER AT MOUTH-EAST BANK	Zinc	Dissolved	ug/l	100	430	1.00	39.46	79.28	
		Zinc		ug/l	33	1400	0.00	165.45	343.25	
		Alkalinity	Total	mg/l CaCO3	1	112	112.00	112.00		
		Bicarbonate	Total	mg/l	1	137	137.00	137.00		
		Calcium	Dissolved	mg/l	1	92	92.00	92.00		
		Carbon dioxide	Total	mg/l	1	4.4	4.40	4.40		
		Carbonate (CO3)	Total	mg/l	1	0	0.00	0.00		
		Chloride	Dissolved	mg/l	1	27	27.00	27.00		
		Hardness, non-carbonate	Total	mg/l CaCO3	1	220	220.00	220.00		
		Iron	Dissolved	ug/l	1	40	40.00	40.00		
		Magnesium	Dissolved	mg/l	1	24	24.00	24.00		
		Manganese	Dissolved	ug/l	1	0	0.00	0.00		
		pH	Total	std units	1	7.7	7.70	7.70		
		Phosphate-phosphorus	Total	mg/l	1	0.05	0.05	0.05		
		Potassium	Dissolved	mg/l	1	4.2	4.20	4.20		
		Selenium	Dissolved	ug/l	1	2	2.00	2.00		
		Sodium	Dissolved	mg/l	1	82	82.00	82.00		
		Specific conductance	Total	uS/cm @25C	1	979	979.00	979.00		
		Sulfate	Dissolved	mg/l	1	347	347.00	347.00		
		Total dissolved solids	Dissolved	mg/l	2	679	665.00	672.00	9.90	
371248110395301	LP 1 SAN JUAN ARM 39 KM UPSTREAM FROM MAIN CHAN	Dissolved oxygen (DO)	Dissolved	mg/l	4	6.9	4.00	6.03	1.36	
		Dissolved oxygen saturation	Dissolved	% saturatn	4	74	38.00	62.75	16.68	
		Mercury	Dissolved	ng/l	4	0.4	0.21	0.28	0.09	
		pH	Total	std units	4	8.1	6.80	7.65	0.59	
		Specific conductance	Total	uS/cm @25C	4	762	451.00	645.75	146.43	
371429110382000	SAN JUAN RIVER INFLOW @ LAKE POWELL	Ammonia and ammonium	Dissolved	mg/l as N	2	0.02	0.01	0.02	0.01	
		Dissolved oxygen (DO)	Dissolved	mg/l	3	6	6.00	6.00	0.00	
		Specific conductance	Total	uS/cm @25C	3	699	699.00	699.00	0.00	

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371933109025701	MCELMO CREEK BLW YELLOW JACKET CANYON	Alkalinity	Dissolved	mg/l CaCO3	2	254	228.00	241.00	18.38
		Alkalinity	Total	mg/l CaCO3	3	252	189.00	218.00	31.80
		Ammonia and ammonium	Dissolved	mg/l as N	1	0.01	0.01	0.01	
		Arsenic	Dissolved	ug/l	3	1	1.00	1.00	0.00
		Boron	Dissolved	ug/l	3	220	150.00	180.00	36.06
		Cadmium	Dissolved	ug/l	3	3	1.00	1.67	1.15
		Calcium	Dissolved	mg/l	5	290	156.00	234.00	54.02
		Carbon dioxide	Total	mg/l	5	70	1.30	16.64	29.92
		Chloride	Dissolved	mg/l	5	46	18.30	30.70	10.10
		Chromium	Dissolved	ug/l	3	1	1.00	1.00	0.00
		Copper	Dissolved	ug/l	3	10	1.00	4.33	4.93
		Dissolved oxygen (DO)	Dissolved	mg/l	3	11.1	6.80	9.07	2.16
		Dissolved oxygen saturation	Dissolved	% saturatn	3	107	89.00	99.00	9.17
		Hardness, non-carbonate	Dissolved	mg/l CaCO3	2	679	469.00	574.00	148.49
		Inorganic nitrogen (nitrate and nitrite)	Dissolved	mg/l as N	3	1.8	1.20	1.60	0.35
		Lead	Dissolved	ug/l	3	1	1.00	1.00	0.00
		Magnesium	Dissolved	mg/l	5	220	74.40	131.48	56.37
		Mercury	Dissolved	ug/l	3	0.1	0.10	0.10	0.00
		pH	Total	std units	5	8.5	6.90	7.94	0.65
		Potassium	Dissolved	mg/l	5	9	4.40	5.92	1.85
		Selenium	Dissolved	ug/l	5	9	1.40	4.46	3.04
		Sodium	Dissolved	mg/l	5	240	73.00	144.34	65.19
		Specific conductance	Total	uS/cm @25C	10	3180	1400.00	2264.00	630.65
		Sulfate	Dissolved	mg/l	5	1600	567.00	1096.40	407.81
		Total dissolved solids	Dissolved	mg/l	8	2980	1040.00	2033.75	608.06
		Zinc	Dissolved	ug/l	3	10	10.00	10.00	0.00