

**APPENDIX F. STATISTICAL VALUES OF THE HISTORICAL DATA FOR MINERAL
CONSTITUENTS OF WATER QUALITY (BEGINNING OCTOBER 1976 ENDING
SEPTEMBER 1983, EXCEPT AS INDICATED)**

The numbers in the "Segment" column on the far left of this Appendix refer to "WQM Segment" numbers which are described in the Introduction to Appendix A of this Chapter. Wherever a segment appears that is identified with an eight-digit segment number, such segment is a sub-watershed of the preceding six-digit WQM Segment. Details of the locations of these sub-watersheds are available from the Department of Environmental Quality. The numbers in the "Monitoring Station" column refer to the abbreviated numbers of the monitoring stations administered by the U.S. Geological Survey ("USGS"); to change an abbreviated number to the complete number used by the USGS, add the prefix digits "07" and add suffix digits of zeroes in order to produce an eight-digit number. In some cases, "Ambient Trend Monitoring" ("ATM") stations were used from streams where no USGS gauge was located. Numbering of these ATM stations complied with the USGS numbering format. The ATM station data have been considered for all stations, including USGS gauges, where available and have been incorporated into the results for that segment where appropriate. The letters "AVG" in the "Monitoring Station" column indicate an average wherever there are multiple monitoring stations in a WQM Segment; the numbers to the right of the "AVG" represent the averages of the historical data for the various monitoring stations.

SEGMENT	MONITORING STATION	CHLORIDE (mg/L)		SULFATE (mg/L)		TOTAL DISSOLVED SOLIDS AT 180°C (mg/L)	
		YEARLY MEAN STANDARD	SAMPLE STANDARD	YEARLY MEAN STANDARD	SAMPLE STANDARD	YEARLY MEAN STANDARD	SAMPLE STANDARD
120400	1945	492	703	116	153	726	998
	1946	304	393	91	115		
	AVG	398	548	104	134	726	998
120410	16557	629	810	140	172	1419	1782
120420	1644	743	971	143	172	1608	2033
	1645	694	878	150	183	1482	1827
	(1)					1398	1743
	AVG	719	925	147	178	1496	1868
121300	1765	89	123	30	41	334	396
	17805	93	119	60	76		
	1784	85	109	60	78		
	(1)					440	544
	AVG	89	117	50	65	387	470
121400	1730	40	55	27	35	264	313
	1742	123	172	32	45	457	590

SEGMENT	MONITORING STATION	CHLORIDE (mg/L)		SULFATE (mg/L)		TOTAL DISSOLVED SOLIDS AT 180°C (mg/L)	
		YEARLY MEAN STANDARD	SAMPLE STANDARD	YEARLY MEAN STANDARD	SAMPLE STANDARD	YEARLY MEAN STANDARD	SAMPLE STANDARD
	1755	131	177	42	56	457	576
	(1)					461	585
	AVG	98	135	34	45	410	516
121500	1714	38	51	86	129	367	512
	1760	74	102	69	93		
	17862	62	81	64	80	332	399
	1788	56	72	67	90		
	1790	70	96	58	76		
	AVG	60	80	69	94	350	456
121510	1710	65	88	88	135	326	411
121600	1850	29	41	126	183	442	547
	1880	19	27	62	82	283	324
	1905	15	20	43	57	184	205
	19122	18	24	29	48		
	1915	29	43	53	73	176	195
	19155	23	34	60	88	241	287
	1935	16	20	43	50	189	207
	AVG	21	30	59	83	253	294
121610	19156	100	148	121	162		
121700	1955	17	23	20	27	184	230
	1960	19	26	23	32	171	219
	1965	17	25	26	37	158	184
	1970	13	19	22	31	133	156
	1980	37	56	35	57	160	195
	AVG	21	30	25	37	161	197
220100	2485	13	19	21	29	104	125
	24944	41	67	48	69	171	228
	AVG	27	43	35	49	138	177
220200	2464	225	295	71	87	534	644
	(1)					490	596
	AVG	225	295	71	87	512	620
220300	2450	83	96	52	60	320	357
220600	2315	346	456	244	335	1062	1328

SEGMENT	MONITORING STATION	CHLORIDE (mg/L)		SULFATE (mg/L)		TOTAL DISSOLVED SOLIDS AT 180°C (mg/L)	
		YEARLY MEAN STANDARD	SAMPLE STANDARD	YEARLY MEAN STANDARD	SAMPLE STANDARD	YEARLY MEAN STANDARD	SAMPLE STANDARD
	2316	63	109	70	112		
	2317	281	371	232	317		
	(1)					612	777
	AVG	230	312	182	255	837	1053
310800	3310	134	184	521	702	1187	1524
310810	3281	109	142	788	983		
	3285	144	198	721	933	3008	4409
	AVG	127	170	755	958	3008	4409
310820							
310830	3244	92	131	1196	1461	2010	2396
	3255	137	176	1190	1463	2237	2733
	3265	247	387	1004	1287	2457	3157
	AVG	159	231	1130	1404	2235	2762
310840	3242	115	173	1281	1654	2368	3042
311100	3155	1797	2464	866	1161	4746	6290
	3157	310	451	150	237		
	3159	328	447	172	253		
	3160	1594	2175	751	1013	3956	5154
	AVG	1007	1384	485	666	4351	5722
311200	31272	2112	2834	948	1231		
	3135	142	195	221	307	904	1137
	3136	395	561	266	376		
	AVG	883	1197	478	638	904	1137
311210	3134	69	93	344	478		
311300	3090	65	92	135	173		
	3110	81	102	82	102	472	560
	AVG	73	97	109	138	472	560
311300 trib to Nine Mile Ck ²		231	262	128	145	809	879

SEGMENT	MONITORING STATION	CHLORIDE (mg/L)		SULFATE (mg/L)		TOTAL DISSOLVED SOLIDS AT 180°C (mg/L)	
		YEARLY MEAN STANDARD	SAMPLE STANDARD	YEARLY MEAN STANDARD	SAMPLE STANDARD	YEARLY MEAN STANDARD	SAMPLE STANDARD
311300 Nine Mile CK ²		232	279	124	150	830	950
311500	3045	243	353	781	1040	1777	2284
311310	3112	16	23	21	27	126	151
	311505	357	547	136	209		
	AVG	187	285	79	118	126	151
311510	3015	2328	3924	1413	1869		
	3030	5612	8948	1308	1703		
	(1)					2334	2815
	AVG	3970	6436	1361	1786	2334	2815
311600	3005	645	963	1720	2114		
	30111	690	856	1451	1755	3331	3969
	AVG	668	910	1586	1935	3331	3969
311800	3035	9875	13569	1939	2401		
	(1)					37568	58087
	AVG	9875	13569	1939	2401	37568	58087
410100	33682	285	397	200	277	913	1220
410200	3385	42	64	20	28	125	165
410210	3371	10	14	17	22	62	81
	3379	12	17	19	25	69	89
	AVG	11	16	18	24	66	85
410300	3362	16	24	21	28	1174	2023
410310	3357	7	10	13	18	31	38
410400	3340	38	53	44	65	235	283
	3350	106	149	59	90	427	537
	(1)					114	172
	AVG	72	101	52	78	259	331
410400 Red River Near Hugo ³	3355	388	503	345	478	1080	1405
410600	3325	34	55	31	44	312	357

SEGMENT	MONITORING STATION	CHLORIDE (mg/L)		SULFATE (mg/L)		TOTAL DISSOLVED SOLIDS AT 180°C (mg/L)	
		YEARLY MEAN STANDARD	SAMPLE STANDARD	YEARLY MEAN STANDARD	SAMPLE STANDARD	YEARLY MEAN STANDARD	SAMPLE STANDARD
410700							
520500	2420	349	451	168	217	1030	1284
	2422	319	409	141	189		
	AVG	334	430	155	203	1030	1284
520510	2417	305	395	148	192		
520520	2399	219	261	260	317		
	24155	451	620	188	239	1196	1523
	AVG	335	441	224	278	1196	1523
520530	2390	270	318	369	469	1156	1240
	2395	267	337	475	640	1300	1552
	(1)					1145	1399
	AVG	269	328	422	555	1200	1397
520600	2294	259	342	309	414		
520610	2292	255	353	433	570	1114	1410
520620	2285	336	488	568	724	1458	1849
520700	2424	211	276	127	175		
	2425	219	291	117	165		
	2435	222	292	98	134	721	926
	AVG	217	286	114	158	721	926
520710	24235	253	342	159	207	841	1085
520800	2300	104	130	50	73	486	581
	2310	765	1065	75	115	1538	2063
	(1)					1551	2083
	AVG	435	598	63	94	1192	1576
520810	(1)					265	294
620900	1610	4233	5650	519	650	7941	10357
620910	1584	12076	17506	1670	2171	18760	26005
	1591	7464	10162	729	921	14809	19580
	15972	174	218	255	304	901	1072
	15975	182	233	242	301	879	1091
	1600	4813	6431	633	799		
	1605	597	864	548	744	1834	2391
	AVG	4218	5902	680	873	7437	10028

SEGMENT	MONITORING STATION	CHLORIDE (mg/L)		SULFATE (mg/L)		TOTAL DISSOLVED SOLIDS AT 180°C (mg/L)	
		YEARLY MEAN STANDARD	SAMPLE STANDARD	YEARLY MEAN STANDARD	SAMPLE STANDARD	YEARLY MEAN STANDARD	SAMPLE STANDARD
620920	15795	8436	12508	1141	1740	16954	25129
	15796	423	604	2058	2616	3752	4781
	AVG	4430	6556	1600	2178	10353	14955
621000	1505	5658	8174	706	918	10577	14972
	15226	1089	1473	283	360		
	AVG	3374	4824	495	639	10577	14972
621010	14845	288	388	936	1173	1886	2306
621100	1520	388	586	175	247	1091	1417
621200	14814	252	321	115	157		
	1525	536	738	144	185	1111	1405
	1530	544	811	45	65		
	AVG	444	623	101	136	1111	1405
621210	(1)	482	728	132	182		
720500	2340	1455	1893	890	1192	3847	4938
	2375	450	562	597	785	1878	2359
	2380	300	379	681	955	1602	1732
	AVG	735	945	723	977	2442	3010
720900							
Notes:							
(1)		Indicates data obtained from Appendix B, WQS 1982					
(2)		Data collected from June 1999 through September 2000					
(3)		Data collected from November 1959 through December 1982 AND November 1998 through August 2000					