Table 4-33. Water quality data (range of values) for Steel Creek (November 1985-December 1991).[a] TE

Parameter	Steel Creek (1985-1986)		Steel Creek (1987-1991)	
	Corridor	Swamp/Delta	Corridor	Swamp/Delta
Temperature (°C)	10.9-29.9	7.6-27.7	6.6-29.3	1.3-28.9
Dissolved oxygen (mg/l)	4.9-11.1	0.6-11.4	4.7-13.0	1.9-12.5
pH	5.4-6.2	4.8-7.3	5.3-8.5	5.0-7.7
Conductance (µS/cm)	41-97	22-135	18-126	23-114
Total dissolved solids (mg/l)	29-74	7-84	27-83	23-91
Total suspended solids (mg/l)	<1-204	4-40	1-59	<1-148
Total organic carbon (mg/l)	4-12	3-13	1-8	1-19
Dissolved organic carbon (mg/l)	4-9	3-12	2-10	1-17
Total inorganic carbon (mg/l)	2-8	1-13	2-6	2-10
Alkalinity (mg/l)	6.4-23.7	1.8-50.0	9-23	7-37
Ortho-phosphate (mg/l)	<5-87	<5-51	<5-136	5-67
Total phosphate (mg/l)	18-343	8-154	19-180	19-494
Nitrite (mg/l)	1-20	<1-5	<1-82	1-13
Nitrate (mg/l)	<10-402	<10-582	<10-611	<10-366
Ammonia (mg/l)	11-764	<10-190	<10-1,080	<10-157
Total inorganic nitrogen (mg/l)	27-808	21-664	17-1,119	<10-407
Silica (mg/l)	3.2-10.7	1.2-13.3	0.8-9.7	0.6-19.1
Total aluminum (mg/l)	<100-991	<100-1,210	<100-1,216	<100-449
Dissolved aluminum (mg/l)	<100-905	<100-1,270	<100-202	<100-240
Total calcium (mg/l)	2.6-4.4	2.7-11.5	311-4.8	2.6-7.8
Dissolved calcium (mg/l)	2.8-5.8	2.4-11.1	1.1-4.8	1.9-7.8
Total iron (mg/l)	0.1-3.8	0.3-7.4	0.1-1.2	0.2-4.3
Dissolved iron (mg/l)	<0.1-3.2	0.1-0.7	<0.1-1.1	<0.1-2.7
Total magnesium (mg/l)	0.74-1.94	0.64-2.66	0.77-1.40	0.78-1.87
Dissolved magnesium (mg/l)	0.70-2.01	0.62-2.59	0.87-1.46	0.84-1.83
Total manganese (mg/l)	<20-563	<20-3,590	<20-310	<20-4,173
Dissolved manganese (mg/l)	<20-466	<20-3,590	<20-311	<20-4,067
Total potassium (mg/l)	1.06-1.98	0.45-4.12	0.87-1.92	0.79-4.28
Dissolved potassium (mg/l)	1.00-1.94	0.38-3.35	0.24-1.96	0.54-4.45
Total sodium (mg/l)	4.0-13.1	6.0-14.6	4.1-13.5	5.1-13.1
Dissolved sodium (mg/l)	3.7-12.1	6.0-14.8	6.9-13.6	5.4-13.3
Chloride (mg/l)	7-8	6-10	4.0-11	3-12
Hydrogen sulfide (mg/l)	<0.1	<0.1	<0.1	<0.1
Sulfate (mg/l)	3-11	1-12	1-9	1-12

a. Source: Wike et al. (1994).