

2021 Kasota Ponds Water Quality Data - KPE

Station	Sample Time	Sample type	Air Temperature (°F)	Water Temperature (°C)	Conductivity (µS/cm)	Specific Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	pH	Salinity (ppt)	Transparency (cm)	Ammonia Nitrogen (mg/L)	Chloride (mg/L)	Ortho Phosphate (mg/L)	Total Phosphorus (mg/L)	Hardness (mg/L CaCO3)
KPE	01/12/2021 09:45	Grab	23	0.2	1072.0	2038.0	7.64	8.2	1.02	80		686.0			
KPE	03/12/2021 09:30	Grab	31	1.5	200.5	363.9	11.09	8.9	0.17	> 100	0.09	82.7	0.03	0.12	59
KPE	04/13/2021 08:00	Grab	34	8.8	1408.0	2036.0	8.13	8.5	1.04	95	< 0.06	521.0	< 0.01	< 0.02	334
KPE	05/12/2021 08:35	Grab	53	15.0	1695.0	2095.0	12.65	7.9	1.05	> 100	< 0.06	576.0	< 0.01	< 0.02	293
KPE	06/21/2021 08:15	Grab	68	17.5	1651.0	1926.0	3.85	8.0	0.99	66	< 0.06	553.0	< 0.01	0.27	301
KPE	07/19/2021 09:35	Grab	83	22.6	2161.0	2262.0	2.47	7.2	1.16	20	< 0.06	620.0	< 0.01	1.42	357
KPE	08/18/2021 08:10	Grab	76	23.7	2094.0	2146.0	1.37	7.7	1.10	20	< 0.06	623.0	< 0.01	0.79	224
KPE	09/20/2021 08:00	Grab	73	20.0	1478.0	1635.0	2.67	7.9	0.83	> 100	0.13	436.0	0.02	0.05	257
KPE	10/18/2021 08:30	Grab	52	11.5	1268.0	1710.0	3.52	7.3	0.87	93	0.36	478.0	< 0.01	0.14	357
KPE	11/17/2021 09:05	Grab	39	2.6	973.0	1700.0	8.85	8.2	0.85	> 100	1.12	437.0	< 0.01	~ 0.04	247
KPE	12/27/2021 09:30	Grab	26	2.7	1016.0	1863.0	6.70	7.4	0.93	11	0.88	536.0	< 0.01	0.28	342

2021 Kasota Ponds Water Quality Data - KPN

Station	Sample Time	Sample type	Air Temperature (°F)	Water Temperature (°C)	Conductivity (µS/cm)	Specific Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	pH	Salinity (ppt)	Transparency (cm)	Ammonia Nitrogen (mg/L)	Chloride (mg/L)	Ortho Phosphate (mg/L)	Total Phosphorus (mg/L)	Hardness (mg/L CaCO3)
KPN	01/12/2021 09:20	Grab	23	0.4	1436.0	2707.0	10.10	7.6	1.37	> 100		716.0			
KPN	03/12/2021 10:00	Grab	31	3.6	125.2	211.8	10.03	8.4	0.10	74	< 0.06	41.3	< 0.01	0.18	49
KPN	04/13/2021 08:25	Grab	32							61	< 0.06	342.0	< 0.01	~ 0.03	269
KPN	05/12/2021 08:15	Grab	55	13.9	1386.0	1758.0	7.33	8.2	0.90	46	< 0.06	421.0	< 0.01	0.91	335
KPN	06/21/2021 09:20	Grab	68	18.1	1360.0	1565.0	2.22	7.4	0.79		1.41	407.0	< 0.01	3.64	233
KPN	07/19/2021 08:05	Grab	80	22.0	1848.0	1961.0	0.42	7.1	1.00	10	2.20	492.0	< 0.01	25.3	331
KPN	08/18/2021 09:00	Grab	77	22.3	1742.0	1836.0	0.88	7.7	0.93	0	4.58	532.0	0.03	16.1	147
KPN	09/20/2021 07:45	Grab	73	19.8	1048.0	1164.0	2.38	8.5	0.58	50	0.20	284.0	0.02	0.42	256
KPN	10/18/2021 09:10	Grab	52	11.9	1025.0	1366.0	3.82	6.8	0.69	6	0.06	327.0	< 0.01	1.08	316
KPN	11/17/2021 09:35	Grab	39	4.0	849.0	1419.0	4.87	7.5	0.71	10	< 0.06	349.0	< 0.01	0.22	231
KPN	12/27/2021 10:20	Grab	21	1.2	1171.0	2040.0	8.34	7.4	1.03	72	< 0.06	470.0	< 0.01	0.06	376

2021 Kasota Ponds Water Quality Data - KPE

Station	Sample Time	Sample type	Total Kjeldahl Nitrogen (mg/L)	Nitrate (mg/L)	Nitrate-Nitrite (mg/L)	Nitrite (mg/L)	Total Cadmium (mg/L)	Total Chromium (mg/L)	Total Copper (mg/L)	Total Lead (mg/L)	Total Nickel (mg/L)	Total Zinc (mg/L)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Volatile Suspended Solids (mg/L)
KPE	01/12/2021 09:45	Grab													
KPE	03/12/2021 09:30	Grab	0.88	< 0.2	< 0.2	< 0.06	< 0.1000	< 1.0000	1.3000	< 0.5000	< 0.5000	9.5000	211	15	12
KPE	04/13/2021 08:00	Grab	1.00	< 0.2	< 0.2	< 0.06	< 0.1000	< 1.0000	< 0.5000	< 0.5000	1.1000	< 5.0000	1070	3	3
KPE	05/12/2021 08:35	Grab	0.78	< 0.2	< 0.2	< 0.06	< 0.1000	< 1.0000	< 0.5000	< 0.5000	1.1000	< 5.0000	1120	~ 1	~ 2
KPE	06/21/2021 08:15	Grab	2.20	< 0.2	< 0.2	< 0.06	< 0.1000	< 1.0000	< 0.5000	< 0.5000	< 0.5000	< 5.0000	1010	41	25
KPE	07/19/2021 09:35	Grab	9.60	< 0.2	< 0.2	< 0.06	< 0.1000	< 1.0000	2.3000	2.4000	1.5000	21.0000	1220	330	252
KPE	08/18/2021 08:10	Grab	5.70	< 0.2	< 0.2	< 0.06	< 0.1000	< 1.0000	1.4000	< 0.5000	1.4000	33.4000	1160	33	24
KPE	09/20/2021 08:00	Grab	0.93	< 0.2	< 0.2	< 0.06	< 0.1000	< 1.0000	< 0.5000	< 0.5000	0.7300	< 5.0000	860	30	~ 27
KPE	10/18/2021 08:30	Grab	1.40	< 0.2	< 0.2	< 0.06	< 0.1000	< 1.0000	< 1.0000	< 0.5000	0.7000	< 5.0000	919	5	3
KPE	11/17/2021 09:05	Grab	2.50	< 0.2	< 0.2	< 0.06	< 0.1000	< 1.0000	< 0.5000	0.8600	1.2000	5.2000	819	10	4
KPE	12/27/2021 09:30	Grab	> 4.00	< 0.2	< 0.2	< 0.06	0.1000	1.9000	4.3000	7.0000	2.4000	26.3000	1120	148	50

2021 Kasota Ponds Water Quality Data - KPN

Station	Sample Time	Sample type	Total Kjeldahl Nitrogen (mg/L)	Nitrate (mg/L)	Nitrate-Nitrite (mg/L)	Nitrite (mg/L)	Total Cadmium (mg/L)	Total Chromium (mg/L)	Total Copper (mg/L)	Total Lead (mg/L)	Total Nickel (mg/L)	Total Zinc (mg/L)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Volatile Suspended Solids (mg/L)
KPN	01/12/2021 09:20	Grab													
KPN	03/12/2021 10:00	Grab	1.20	< 0.2	< 0.2	< 0.06	< 0.1000	< 1.0000	1.4000	0.7500	0.6800	7.4000	151	19	15
KPN	04/13/2021 08:25	Grab	0.93	< 0.2	< 0.2	< 0.06	< 0.1000	< 1.0000	0.5000	< 0.5000	0.5600	< 5.0000	763	4	3
KPN	05/12/2021 08:15	Grab	5.30	< 0.2	< 0.2	< 0.06	< 0.1000	1.3000	3.7000	4.7000	1.5000	23.9000	965	122	81
KPN	06/21/2021 09:20	Grab	23.00	< 0.2	< 0.2	< 0.06	0.5800	8.8000	27.6000	29.3000	9.7000	185.0000	872	784	432
KPN	07/19/2021 08:05	Grab	200.00	< 0.2	< 0.2	< 0.06	4.7000	137.0000	461.0000	876.0000	118.0000	2870.0000	1050	11600	4400
KPN	08/18/2021 09:00	Grab	82.00	< 0.2	< 0.2	< 0.06	12.4000	80.3000	213.0000	629.0000	158.0000	5920.0000	1020	16100	7440
KPN	09/20/2021 07:45	Grab	1.70	< 0.2	< 0.2	< 0.06	< 0.1000	1.3000	3.6000	2.9000	2.0000	15.5000	615	21	11
KPN	10/18/2021 09:10	Grab	6.10	< 0.2	< 0.2	< 0.06	0.1200	2.7000	6.6000	9.0000	2.5000	48.6000	790	356	255
KPN	11/17/2021 09:35	Grab	2.00	< 0.2	< 0.2	< 0.06	< 0.1000	< 1.0000	3.1000	2.2000	1.3000	16.9000	700	49	35
KPN	12/27/2021 10:20	Grab	1.20	< 0.2	< 0.2	< 0.06	< 0.1000	< 1.0000	< 0.5000	< 0.5000	0.9000	5.8000	968	6	4

2021 Kasota Ponds Water Quality Data - KPW

Station	Sample Time	Sample type	Air	Water	Specific		Dissolved	Salinity	Transparency	Ammonia		Ortho	Total	Hardness	
			Temperature (°F)	Temperature (°C)	Conductivity (µS/cm)	Conductivity (µS/cm)	Oxygen (mg/L)			pH	Nitrogen (mg/L)	Chloride (mg/L)	Phosphate (mg/L)	Phosphorus (mg/L)	(mg/L CaCO3)
KPW	01/12/2021 09:55	Grab	23	0.1	1312.0	2499.0	5.17	7.6	1.26	48		698			
KPW	03/12/2021 09:40	Grab	31	2.3	405.4	715.0	9.95	8.1	0.35	40	0.33	197	< 0.01	0.09	69
KPW	04/13/2021 08:10	Grab	35	9.1	1319.0	1319.0	11.02	8.4	0.97	43	< 0.06	497	0.01	0.10	287
KPW	05/12/2021 08:50	Grab	58	14.0	1644.0	2081.0	9.63	7.9	1.07	37	< 0.06	550	< 0.01	0.07	313
KPW	06/21/2021 08:30	Grab	68	20.6	1742.0	1901.0	6.76	7.8	0.97	37	< 0.06	544	0.01	0.17	301
KPW	07/19/2021 10:40	Grab	85	25.2	1804.0	1799.0	15.95	8.2	0.91	20	< 0.06	519	< 0.01	0.41	203
KPW	08/18/2021 08:40	Grab	76	23.9	1659.0	1696.0	9.10	8.0	0.86	18	< 0.06	545	< 0.01	0.11	223
KPW	09/20/2021 08:15	Grab	73	20.7	1353.0	1475.0	8.83	7.8	0.74	35	< 0.06	427	< 0.01	0.16	203
KPW	10/18/2021 08:40	Grab	52	12.6	1195.0	1566.0	6.07	6.7	0.79	25	< 0.06	448	< 0.01	0.28	248
KPW	11/17/2021 09:20	Grab	39	3.9	911.0	1525.0	10.34	7.5	0.76	37	< 0.06	403	0.01	0.09	185
KPW	12/27/2021 10:00	Grab	26	2.7	949.0	1651.0	5.54	7.7	0.83	36	< 0.06	422	< 0.01	0.15	223

2021 Kasota Ponds Water Quality Data - KPW

Station	Sample Time	Sample type	Total Kjeldahl Nitrogen (mg/L)	Nitrate (mg/L)	Nitrate-Nitrite (mg/L)	Nitrite (mg/L)	Total Cadmium (mg/L)	Total Chromium (mg/L)	Total Copper (mg/L)	Total Lead (mg/L)	Total Nickel (mg/L)	Total Zinc (mg/L)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Volatile Suspended Solids (mg/L)
KPW	01/12/2021 09:55	Grab													
KPW	03/12/2021 09:40	Grab	1.3	< 0.2	< 0.2	< 0.06	< 0.1000	1.1000	3.3000	3.8000	1.3000	18.9000	416	14	10
KPW	04/13/2021 08:10	Grab	2.0	< 0.2	< 0.2	< 0.06	< 0.1000	< 1.0000	0.9300	< 0.5000	1.1000	< 5.0000	1010	11	8
KPW	05/12/2021 08:50	Grab	1.2	< 0.2	< 0.2	< 0.06	< 0.1000	< 1.0000	0.9300	< 0.5000	1.1000	< 5.0000	1110	12	10
KPW	06/21/2021 08:30	Grab	1.8	< 0.2	< 0.2	< 0.06	< 0.1000	< 1.0000	0.9500	0.9800	< 0.5000	< 5.0000	1060	16	12
KPW	07/19/2021 10:40	Grab	2.9	< 0.2	< 0.2	< 0.06	< 0.1000	< 1.0000	0.7400	< 0.5000	0.8800	< 5.0000	968	27	26
KPW	08/18/2021 08:40	Grab	2.4	< 0.2	< 0.2	< 0.06	< 0.1000	< 1.0000	0.7800	< 0.5000	0.9400	< 5.0000	912	12	11
KPW	09/20/2021 08:15	Grab	1.7	< 0.2	< 0.2	< 0.06	< 0.1000	< 1.0000	0.8700	< 0.5000	0.6800	< 5.0000	793	17	16
KPW	10/18/2021 08:40	Grab	3.2	< 0.2	< 0.2	< 0.06	< 0.1000	< 1.0000	1.1000	0.5700	0.8100	5.8000	876	39	31
KPW	11/17/2021 09:20	Grab	1.7	< 0.2	< 0.2	< 0.06	< 0.1000	< 1.0000	0.5500	< 0.5000	0.9800	< 5.0000	720	11	10
KPW	12/27/2021 10:00	Grab	2.0	< 0.2	< 0.2	< 0.06	< 0.1000	< 1.0000	0.9500	< 0.5000	0.9300	5.3000	853	9	8