TABLE 1
LAKE CLASSIFICATION CRITERIA

Lake Classification	Total Phosphorus (µg/L)[1]	Chlorophyll-*a* (µg/L)[1]	Secchi Transparency (feet)
Oligotrophic	Less than 10	Less than 2.2	Greater than 15.0
Mesotrophic	10 to 20	2.2 to 6.0	7.5 to 15.0
Eutrophic	Greater than 20	Greater than 6.0	Less than 7.5

TABLE 2
HESS LAKE SUMMER 2023 DEEP BASIN WATER QUALITY DATA

Date	Station	Sample Depth (feet)	Temperature (°F)	Dissolved Oxygen (mg/L)[2]	Total Phosphorus (µg/L)[1]
4-Aug-23	1	1	77	9.0	58
4-Aug-23	1	6	76	5.4	55
4-Aug-23	1	11	68	0.2	75
4-Aug-23	2	1	78	9.1	42
4-Aug-23	2	12	78	8.8	59
4-Aug-23	2	23	68	0.2	77
4-Aug-23	3	1	78	9.3	29
4-Aug-23	3	8	78	9.2	33
4-Aug-23	3	17	75	0.3	77

TABLE 3
WHEELER DRAIN SUMMER 2023 WATER QUALITY DATA

Date	Site	Total Phosphorus (µg/L)[1]	Discharge (c.f.s)[3]	Total Suspended Solids (mg/L)[2]	Temperature (°F)
4-Aug-23	Hess Lake Drive	91	0.5	8	66
4-Aug-23	108th Street	88	1	5	64
15-Aug-23	Hess Lake Drive	80	6	9	-
15-Aug-23	108th Street	96	4	9	-

1 µg/L = micrograms per liter = parts per billion.

2 mg/L = milligrams per liter = parts per million.

TABLE 4
HESS LAKE SUMMARY STATISTICS, 1974-2023

	Total Phosphorus (µg/L)[1]	Chlorophyll-*a* (µg/L)[1]	Secchi Transparency (feet)
Mean	36	12	3.3
Standard deviation	20	8	1.8
Median	33	10	2.5
Minimum	5	3	1.5
Maximum	90	35	10.5
Number of samples	74	52	188

1 µg/L = micrograms per liter = parts per billion.