Your science class has been given the task of determining whether the dog walking club can allow the dogs to swim in one of the nearby ponds. The data for each of the ponds has been collected weekly for each pond for the months of May through September and can be found in the charts below. The descriptions of each pond are below the corresponding data charts. Please rank the ponds from healthiest to most unhealthy. Use at least three pieces of the provided data to support your rankings.

Pond 1

Date	Temperature ℃	Phosphates ppm	Nitrates ppm	Dissolved Oxygen ppm	pH
5/1/21	20.0	0.05	6.0	7.0	6.5
5/8/21	20.5	0.05	6.0	7.0	6.5
5/15/21	21.0	0.06	6.2	7.1	6.6
5/22/21	21.2	0.08	6.4	7.2	6.6
5/29/21	21.5	0.09	6.5	7.3	6.7
6/5/21	23.0	0.10	7.0	7.3	6.8
6/12/21	23.4	0.10	7.0	7.2	6.8
6/19/21	23.6	0.11	7.0	7.2	6.8
6/26/21	24.0	0.12	7.2	7.4	6.9
7/3/21	24.3	0.12	7.2	7.3	6.9
7/10/21	24.2	0.13	7.3	7.2	7.0
7/17/21	24.5	0.13	7.3	7.0	7.2
7/24/21	24.3	0.15	7.2	6.9	7.3
7/31/21	24.7	0.15	7.4	6.5	7.3
8/7/21	25.0	0.16	7.4	6.4	7.4
8/14/21	25.1	0.16	7.4	6.3	7.5
8/21/21	25.3	0.16	7.3	6.3	7.5
8/28/21	25.2	0.16	7.3	6.3	7.3
9/4/21	25.1	0.16	7.4	6.4	7.3
9/11/21	24.4	0.15	7.3	6.5	7.3
9/18/21	23.6	0.13	7.3	6.6	7.2
9/25/21	23.0	0.13	7.2	6.7	7.1

Description: Livestock pond sits at the edge of a 1000 acre rye, clover, and buckwheat pasture. A cotton field lies directly across the fence. Minimal shrubs and no trees surround the pond. Two thirds of the pond has a gentle slope and is 4-5 feet deep leading to a maximum depth of 10 feet. The pond is blue-green in color and has a foul odor of decay. Algae was determined to be a microcystis species.

Pond 2

Date	Temperature °C	Phosphates ppm	Nitrates ppm	Dissolved Oxygen ppm	pH
5/1/21	19.0	0.15	0.90	7.6	6.6
5/8/21	21.2	0.15	0.90	7.5	6.6
5/15/21	21.4	0.18	0.92	7.6	6.6
5/22/21	21.9	0.20	2.1	7.4	6.7
5/29/21	22.3	0.21	2.3	7.2	6.9
6/5/21	22.6	0.22	2.5	7.0	7.4
6/12/21	23.6	0.27	2.8	6.7	7.9
6/19/21	24.7	0.35	4.1	6.5	8.0
6/26/21	25.2	0.45	5.0	6.1	8.3
7/3/21	25.5	0.59	6.4	5.9	8.9
7/10/21	25.9	0.63	7.1	5.8	9.1
7/17/21	26.0	0.69	7.1	5.5	9.3
7/24/21	26.4	0.75	7.8	5.3	9.5
7/31/21	26.9	0.82	8.5	5.4	9.6
8/7/21	27.0	0.87	8.9	5.3	9.6
8/14/21	27.1	0.92	9.4	5.3	9.6
8/21/21	26.8	0.95	9.9	5.1	9.9
8/28/21	26.4	0.86	9.0	5.1	9.9
9/4/21	26.2	0.81	8.2	5.3	9.9
9/11/21	26.0	0.75	7.3	5.4	9.7
9/18/21	25.8	0.71	7.1	5.7	9.6
9/25/21	25.4	0.63	7.3	6.1	9.0

Description: The pond has a shallow side that leads to a depth of 6-7 ft, covers 2 acres and is located in the middle of a conservation area. The pond contains numerous aquatic plants and is surrounded by cypress, willow, maple, and magnolia trees. The pond is blue-green in color. Ducks can be seen swimming on the pond. Algae was determined to be a microcystis species.

Pond 3

Date	Temperature	Phosphates	Nitrates	Dissolved Oxygen ppm	pH
5/1/21	19.6	0.45	4.8	5.2	8.3
5/8/21	20.4	0.46	4.7	5.1	8.4
5/15/21	20.7	0.41	4.9	5.0	8.4
5/22/21	21.0	0.43	4.9	5.0	8.4
5/29/21	21.5	0.44	4.9	5.1	8.3
6/5/21	22.4	0.45	4.9	5.2	8.7
6/12/21	23.3	0.46	4.9	5.0	8.8
6/19/21	24.0	0.44	5.1	5.3	8.8
6/26/21	24.5	0.45	5.1	5.4	8.8
7/3/21	25.2	0.46	5.0	5.3	8.7
7/10/21	25.8	0.46	5.0	5.3	8.6
7/17/21	26.3	0.46	5.1	5.4	8.2
7/24/21	26.9	0.45	5.2	5.7	8.2
7/31/21	27.0	0.47	5.5	5.8	8.3
8/7/21	27.5	0.49	5.5	6.0	8.4
8/14/21	27.9	0.51	5.4	5.4	8.8
8/21/21	28.0	0.52	5.3	5.8	8.9
8/28/21	27.3	0.56	5.6	5.9	8.8
9/4/21	26.8	0.56	5.8	6.1	8.9
9/11/21	26.2	0.59	6.3	6.6	8.8
9/18/21	25.5	0.60	6.3	6.5	8.7
9/25/21	24.8	0.60	6.5	6.4	8.6

Description: This is a pond located in a park. The pond covers an acre and a half. The pond is 4-5 deep and has rock all around the edges. There is a water aerator (fountain) in the middle of the pond. The pond is blue-green in color and has water lilies and cattails. There is a flock of 25+ geese that wander around and in the pond daily. Algae was determined to be a microcystis species.