

**Maine Department of Environmental Protection
Biological Monitoring Program
Wetland Epiphytic Algae Aquatic Life Classification Attainment Report**

Station Information

| | | |
|--|-------------------|----------------------------|
| Station Number: W-105 | Trip ID: 2003-105 | River Basin: Penobscot |
| Waterbody: WHEELER STREAM - HERMON BOG | | HUC8 Name: Lower Penobscot |
| Town: Hermon | | Latitude: 44 47 54.68 N |
| Mitigation Monitoring Site: No | | Longitude: 68 52 57.07 W |

Sample Information

| | | |
|--------------------------------------|---|---------------------------------------|
| Sample ID: WA-105-2003E (365) | Type of Sample: PLANT RUBBINGS | Date Sampled: 6/26/2003 |
| Bottle #: 365 | Sampling Organization: BIOMONITORING UNIT | Taxonomist: MICHIGAN STATE UNIVERSITY |

Classification Attainment

| | | |
|------------------------------------|--|----------------|
| Statutory Class: | Final Determination: A | Date: 9/4/2019 |
| Model Result with $P \geq 0.6$: A | Reason for Determination: Model L&w | |
| Date Last Calculated: 1/22/2019 | Comments: | |

Model Probabilities

| | | | |
|---------------------------|---------------|--------------------------------|------|
| <u>First Stage Model</u> | | <u>C or Better Model</u> | |
| Class A: 0.64 | Class C: 0.01 | Class A, B, or C | 1.00 |
| Class B: 0.36 | NA: 0.00 | Non-Attainment | 0.00 |
| <u>B or Better Model</u> | | <u>A Model</u> | |
| Class A or B | 0.99 | Class A | 0.64 |
| Class C or Non-Attainment | 0.01 | Class B or C or Non-Attainment | 0.37 |

Model Variables

| | | <u>Reference Range (10th or 90th percentile value)</u> |
|---|-------|--|
| Relative Richness of Diatoms in the Eunotiaceae Family | 0.097 | >0.09 |
| Relative Density of Eutrophentic Diatoms | 0.051 | <0.15 |
| Relative Richness of Oligosaprobic Diatoms | 0.379 | >0.37 |
| Relative Richness of Intermediate Taxa | 0.786 | >0.61 |
| Relative Richness of Sensitive Taxa | 0.071 | >0.13 |
| Maine Tolerance Index Score for Wetland Epiphytic Algae | 30.85 | <38 |

Other Variables

| | Density (cells/cm²) | Relative Density | Richness | Relative Richness | Biovolume (um³/cm²) | Relative Biovolume |
|------------------------|---|-----------------------------|-----------------|------------------------------|--|-------------------------------|
| Total for Sample | 137,081 | - | 62 | - | 776,007,309 | - |
| Diatom Only | 6,063 | - | 36 | - | 3,370,441 | - |
| MTI Sensitive | 20,571 | 0.537 | 3 | 0.071 | 3,767,868 | 0.121 |
| MTI Intermediate | 17,264 | 0.450 | 33 | 0.786 | 27,337,926 | 0.876 |
| MTI Eurytopic | 499 | 0.013 | 6 | 0.143 | 110,991 | 0.004 |
| Ratio of MTI: | | | | | | |
| Sensitive to Eurytopic | 41.233 | 41.233 | 0.500 | 0.500 | 33.948 | 33.948 |

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Water Chemistry

Sample Date: 6/26/2003 11:00:00 AM

| Collection Method | Parameter | Value | Units | Qualifier |
|-------------------|--|--------|-------|-----------|
| Grab Sample | Ammonia As Nitrogen | | mg/l | U |
| Grab Sample | Calcium | 18 | mg/l | |
| Grab Sample | Chloride | 17 | mg/l | |
| Grab Sample | Chlorophyll A | 0.004 | mg/l | |
| Grab Sample | Dissolved Organic Carbon | 23 | mg/l | |
| Grab Sample | Magnesium | 4.3 | mg/l | |
| Grab Sample | Nitrate + Nitrite As Nitrogen | | mg/l | U |
| Grab Sample | Orthophosphate As Phosphorus | 5 | ug/l | |
| Grab Sample | pH | 6.6 | | |
| Grab Sample | Potassium | 0.5 | mg/l | |
| Grab Sample | Sodium | 11 | mg/l | |
| Grab Sample | Specific Conductance | 183 | us/cm | |
| Grab Sample | Total Alkalinity | 54 | mg/l | |
| Grab Sample | Total Hardness | 62.653 | mg/l | |
| Grab Sample | Total Kjeldahl Nitrogen (organic And Nh3) As Nitrogen | 1.1 | mg/l | |
| Grab Sample | Total Phosphorus Mixed Forms (po4 And Organic) As Phosphorus | 0.079 | mg/l | |
| Grab Sample | True Color | 230 | unit | |
| In-situ | Dissolved Oxygen | | mg/l | U |
| In-situ | pH | 6.57 | | |
| In-situ | Specific Conductance | 169 | us/cm | |
| In-situ | Temperature | 23.5 | deg c | |

Landcover Summary - 2004 Data

| | | | | | | | |
|-----------------|------|------------------|-----|----------------|------|----------------------|------|
| Total Area (ac) | 6944 | High Int. Dev. % | 1.0 | Water % | 0.3 | Non-vegetated % | 0.0 |
| | | Med Int. Dev. % | 1.2 | Wetland % | 23.7 | Tilled Agriculture % | 6.8 |
| | | Low Int. Dev. % | 6.1 | Upland Woody % | 47.1 | Grassland % | 9.7 |
| | | Development % | 8.4 | Natural % | 70.8 | Human Altered % | 28.9 |
| | | | | | | Impervious % | 5.8 |
| Total Land (ac) | 6921 | High Int. Dev. % | 1.0 | Water % | N/A | Non-vegetated % | N/A |
| | | Med Int. Dev. % | 1.2 | Wetland % | 23.8 | Tilled Agriculture % | 6.8 |
| | | Low Int. Dev. % | 6.1 | Upland Woody % | 47.2 | Grassland % | 9.7 |
| | | Development % | 8.4 | Natural % | 71.0 | Human Altered % | 29.0 |
| | | | | | | Impervious % | 5.8 |

Summary of Habitat Characteristics

Human Disturbance

**Maine Department of Environmental Protection
Biological Monitoring Program**

Wetland Epiphytic Algae Aquatic Life Classification Attainment Report

| | |
|--------------------------------------|----|
| Total Score: | 19 |
| Hydrologic Modifications to Wetland: | 4 |
| Vegetative Modifications to Wetland: | 3 |
| Evidence of Chemical Pollutants: | 0 |
| Impervious Surface in Watershed: | 7 |
| Potential for NPS Pollution: | 5 |

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| |
|---|
| Summary of Habitat Characteristics |
|---|

Dominant Plant Species: PICKERELWEED (PONTEDERIA CORDATA), NUPHAR, CATTAIL, SWEET GALE, DUCKWEED (LEMNA), POTAMOGETON, BLADDERWORT SPP. (UTRICULARIA), WILLOW, ALDER

Additional Plant Community Observations:

| | |
|---|---------------------------|
| Habitat Classification: EMERGENT NON-PERSISTENT VEGETATION EMERGENT PERSISTENT VEGETATION | Substrate Classification: |
|---|---------------------------|

Visible Flow: Rain In Previous 24 Hours: Unknown

Sample Comments: No comments

| |
|-------------------------------------|
| Additional Summary Variables |
|-------------------------------------|

| | Density (cells/cm ²) | Relative Density | Richness | Relative Richness | Biovolume (um ³ /cm ²) | Relative Biovolume |
|-----------------------------------|-------------------------------------|---------------------|----------|----------------------|--|-----------------------|
| Diatom Growth Forms and Motility: | | | | | | |
| Unattached | 4,520 | 0.746 | 1 | 0.028 | 1,869,781 | 0.555 |
| Variable | 351 | 0.058 | 5 | 0.139 | 106,704 | 0.032 |
| Erect | 410 | 0.068 | 7 | 0.194 | 868,966 | 0.258 |
| Stalked | 293 | 0.048 | 7 | 0.194 | 203,481 | 0.060 |
| Prostrate | 488 | 0.081 | 16 | 0.444 | 321,510 | 0.095 |
| Motile | 293 | 0.048 | 11 | 0.306 | 300,050 | 0.089 |

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Additional Summary Variables

Station Number: W-105 Waterbody: WHEELER STREAM - HERMON BOG Town: Hermon
Sample ID: WA-105-2003E (365) Bottle #: 365 Calculated: 1/22/2019

| | Density (cells/cm²) | Relative Density | Richness | Relative Richness | Biovolume (um³/cm²) | Relative Biovolume |
|----------------------------------|---|-----------------------------|-----------------|------------------------------|--|-------------------------------|
| Taxa Group: | | | | | | |
| Pennate Diatom | 1,543 | 0.011 | 35 | 0.565 | 1,500,661 | 0.002 |
| Centric Diatom | 4,520 | 0.033 | 1 | 0.016 | 1,869,781 | 0.002 |
| Cyanobacteria | 84,879 | 0.619 | 10 | 0.161 | 531,673,316 | 0.685 |
| Filamentous Cyanobacteria | 81,899 | 0.597 | 6 | 0.097 | 531,240,436 | 0.685 |
| Green Algae | 14,386 | 0.105 | 12 | 0.194 | 184,546,529 | 0.238 |
| Colonial Green | 4,008 | 0.029 | 5 | 0.081 | 612,492 | 0.001 |
| Filamentous Green | 10,173 | 0.074 | 5 | 0.081 | 183,791,459 | 0.237 |
| Unicellular Green | 206 | 0.001 | 2 | 0.032 | 142,578 | 0.000 |
| Desmid | 0 | 0.000 | 0 | 0.000 | 0 | 0.000 |
| Red Algae | 0 | 0.000 | 0 | 0.000 | 0 | 0.000 |
| Euglenoid | 0 | 0.000 | 0 | 0.000 | 0 | 0.000 |
| Chrysophyte | 206 | 0.001 | 1 | 0.016 | 24,824 | 0.000 |
| Cryptophyte | 0 | 0.000 | 0 | 0.000 | 0 | 0.000 |
| Dinoflagellate | 0 | 0.000 | 0 | 0.000 | 0 | 0.000 |
| Yellow Green Algae | 31,547 | 0.230 | 3 | 0.048 | 56,392,199 | 0.073 |
| Haptophyte | 0 | 0.000 | 0 | 0.000 | 0 | 0.000 |
| Raphidophyte | 0 | 0.000 | 0 | 0.000 | 0 | 0.000 |
| Synurophyte | 0 | 0.000 | 0 | 0.000 | 0 | 0.000 |
| Diatom Autecology Groups: | | | | | | |
| High Oxygen | 801 | 0.137 | 16 | 0.552 | 696,732 | 0.230 |
| Low Oxygen | 59 | 0.010 | 2 | 0.069 | 8,619 | 0.003 |
| N-Autotrophic | 566 | 0.097 | 14 | 0.483 | 575,775 | 0.190 |
| N-Heterotrophic | 117 | 0.020 | 5 | 0.172 | 22,104 | 0.007 |
| Oligosaprobic | 478 | 0.082 | 11 | 0.379 | 280,929 | 0.099 |
| Polysaprobic | 59 | 0.010 | 2 | 0.069 | 8,619 | 0.003 |
| Oligotrophentic | 78 | 0.014 | 4 | 0.154 | 202,927 | 0.076 |
| Eutrophentic | 273 | 0.051 | 10 | 0.385 | 363,365 | 0.135 |
| Acidobiontic | 0 | 0.000 | 0 | 0.000 | 0 | 0.000 |
| Brackish | 39 | 0.006 | 1 | 0.029 | 16,903 | 0.005 |
| Dry Condition | 49 | 0.008 | 2 | 0.074 | 42,515 | 0.014 |

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Wetland Epiphytic Algae Aquatic Life Classification Attainment Report**

Bottle # : 365

Waterbody: Wheeler Stream - Hermon Bog - W-105

Town: Hermon

Sample ID: WA-105-2003E (365)

Station Number: W-105

| Taxa Name | Group | Density (cells/ cm ²) | Relative Density | | Biovolume (um ³ / cm ²) | Relative Biovolume | Form | Mot- ility | van Dam Index Values | | | | | | | Maine Epi Tolerance | | |
|--|------------------------------|---|---------------------|-----------------|--|-----------------------|--------|---------------|-------------------------|-----|---|---|---|-----|---|---------------------------|---|--------|
| | | | All | Rank Diatoms | | | | | pH | NO2 | S | T | M | Sal | | | | |
| <i>Undetermined Tapered Bluegreen Filament</i> | Cyanobacteria | 719 | 0.525% | 18 | 28,773 | 0.004% | | | | | | | | | | | | |
| <i>Chamaesiphon minutus</i> | Cyanobacteria | 308 | 0.225% | 23 | 12,100 | 0.002% | | | | | | | | | | | | |
| <i>Chroococcus minutus</i> | Cyanobacteria | 1,850 | 1.349% | 12 | 389,748 | 0.050% | | | | | | | | | | | | |
| <i>Myxobaktron</i> | Cyanobacteria | 103 | 0.075% | 30 | 2,259 | 0.000% | | | | | | | | | | | | |
| <i>Anabaena</i> | Filamentous Cyanobacteria | 1,541 | 1.124% | 15 | 203,278 | 0.026% | | | | | | | | | | | | 42.8-I |
| <i>Anabaena inaequalis</i> | Filamentous Cyanobacteria | 12,023 | 8.771% | 5 | 475,828 | 0.061% | | | | | | | | | | | | |
| <i>Anabaena sp. 3 MESIAH</i> | Filamentous Cyanobacteria | 16,441 | 11.994% | 4 | 526,462,287 | 67.842% | | | | | | | | | | | | |
| <i>Phormidium minnesotense</i> | Filamentous Cyanobacteria | 1,747 | 1.274% | 13 | 9,783 | 0.001% | | | | | | | | | | | | 32.8-I |
| <i>Leptolyngbya</i> | Filamentous Cyanobacteria | 29,595 | 21.589% | 1 | 342,540 | 0.044% | | | | | | | | | | | | |
| <i>Hapalosiphon</i> | Filamentous Cyanobacteria | 20,552 | 14.993% | 3 | 3,746,720 | 0.483% | | | | | | | | | | | | 25.2-S |
| <i>Aulacoseira italica</i> | Centric Diatom | 4,520 | 3.298% | 6 | 74.6% | 1,869,781 | 0.241% | U | N | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 35.1-I |
| <i>Fragilaria gracilis</i> | Pennate Diatom | 20 | 0.014% | 53 | 0.3% | 4,003 | 0.001% | V | N | 3 | 1 | 1 | 1 | 2 | | 2 | | 39.1-I |
| <i>Fragilaria tenera</i> | Pennate Diatom | 195 | 0.142% | 26 | 3.2% | 64,907 | 0.008% | V | N | 2 | 1 | 1 | 1 | 2 | 2 | 1 | | 41.5-I |
| <i>Fragilaria sepes</i> | Pennate Diatom | 49 | 0.036% | 36 | 0.8% | 10,418 | 0.001% | V | N | 3 | 1 | 1 | 1 | 2 | 2 | 1 | | 38.7-I |
| <i>Hannaea arcus</i> | Pennate Diatom | 10 | 0.007% | 62 | 0.2% | 14,704 | 0.002% | V | N | 4 | 1 | 1 | 2 | 2 | 3 | 2 | | |
| <i>Stausosira construens var. venter</i> | Pennate Diatom | 78 | 0.057% | 33 | 1.3% | 12,673 | 0.002% | V | N | 4 | 2 | 1 | 2 | 4 | 1 | 2 | | 32.4-I |
| <i>Ulnaria biceps</i> | Pennate Diatom | 39 | 0.028% | 42 | 0.6% | 242,121 | 0.031% | E | N | 4 | | | | 5 | | 2 | | 38.2-I |
| <i>Achnanthisidium minutissimum</i> | Pennate Diatom | 146 | 0.107% | 27 | 2.4% | 11,678 | 0.002% | P | N | 6 | 2 | 1 | 2 | 7 | 3 | 2 | | 49.5-I |
| <i>Achnanthisidium rivulare</i> | Pennate Diatom | 10 | 0.007% | 62 | 0.2% | 950 | 0.000% | P | N | | | | | | | | | 48-I |
| <i>Psammothidium ventralis</i> | Pennate Diatom | 10 | 0.007% | 62 | 0.2% | 489 | 0.000% | P | V | 2 | 1 | 1 | 1 | 2 | 2 | 1 | | |
| <i>Rossethidium linearis</i> | Pennate Diatom | 20 | 0.014% | 53 | 0.3% | 3,333 | 0.000% | P | V | 3 | | | | | | | | 32.1-I |
| <i>Cocconeis placentula var. lineata</i> | Pennate Diatom | 10 | 0.007% | 62 | 0.2% | 5,008 | 0.001% | P | N | 4 | 2 | 3 | 2 | 5 | 2 | 2 | | 53.6-E |
| <i>Eunotia bilunaris</i> | Pennate Diatom | 234 | 0.171% | 24 | 3.9% | 321,668 | 0.041% | E | V | 6 | 2 | 2 | 2 | 7 | 3 | 2 | | 36.1-I |
| <i>Eunotia flexuosa</i> | Pennate Diatom | 49 | 0.036% | 36 | 0.8% | 71,778 | 0.009% | E | V | 2 | 1 | 1 | 1 | 2 | 3 | 1 | | 27.2-I |
| <i>Eunotia incisa</i> | Pennate Diatom | 10 | 0.007% | 62 | 0.2% | 13,097 | 0.002% | E | V | 2 | 1 | 1 | 1 | 1 | 2 | 1 | | 28-I |
| <i>Eunotia intermedia</i> | Pennate Diatom | 10 | 0.007% | 62 | 0.2% | 8,220 | 0.001% | E | V | 2 | | | | 1 | 3 | 1 | | 16.3-S |
| <i>Eunotia minor</i> | Pennate Diatom | 29 | 0.021% | 45 | 0.5% | 41,420 | 0.005% | E | V | 2 | | | | 1 | 4 | 1 | | 38-I |
| <i>Eunotia pectinalis var. undulata</i> | Pennate Diatom | 39 | 0.028% | 42 | 0.6% | 170,661 | 0.022% | E | V | 2 | 2 | 1 | 2 | 1 | 3 | 1 | | 31-I |
| <i>Encyonema silesiacum</i> | Pennate Diatom | 39 | 0.028% | 42 | 0.6% | 17,979 | 0.002% | S | V | 3 | 2 | 3 | 3 | 7 | 1 | 2 | | 45.6-I |
| <i>Encyonema neogratile</i> | Pennate Diatom | 10 | 0.007% | 62 | 0.2% | 12,928 | 0.002% | S | V | 2 | 1 | 1 | 1 | 2 | 3 | 1 | | 18.2-S |
| <i>Epithemia goeppertiana</i> | Pennate Diatom | 49 | 0.036% | 36 | 0.8% | 244,074 | 0.031% | P | M | 4 | 1 | 1 | | | 3 | 1 | | |
| <i>Gomphonema acuminatum</i> | Pennate Diatom | 29 | 0.021% | 45 | 0.5% | 74,055 | 0.010% | S | N | 4 | 1 | 2 | 2 | 5 | 2 | 2 | | 41.4-I |
| <i>Gomphonema angustatum</i> | Pennate Diatom | 20 | 0.014% | 53 | 0.3% | 10,949 | 0.001% | S | N | 4 | 1 | 1 | 1 | 1 | | 2 | | 57.8-E |
| <i>Gomphonema gracile</i> | Pennate Diatom | 78 | 0.057% | 33 | 1.3% | 48,498 | 0.006% | S | N | 3 | 1 | 1 | 1 | 3 | 3 | 2 | | 38.6-I |
| <i>Gomphonema parvulum</i> | Pennate Diatom | 20 | 0.014% | 53 | 0.3% | 5,910 | 0.001% | S | N | 3 | 3 | 4 | 4 | 5 | 3 | 2 | | 55.7-E |
| <i>Gomphonema pumilum</i> | Pennate Diatom | 98 | 0.071% | 31 | 1.6% | 33,162 | 0.004% | S | N | | | | | 7 | | 2 | | 50.5-I |
| <i>Navicula cryptocephala</i> | Pennate Diatom | 20 | 0.014% | 53 | 0.3% | 7,899 | 0.001% | P | M | 4 | 2 | 3 | 3 | 7 | 2 | 2 | | 66.2-E |

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Biological Monitoring Program
Wetland Epiphytic Algae Aquatic Life Classification Attainment Report**

Bottle # : 365

Waterbody: Wheeler Stream - Hermon Bog - W-105

Town: Hermon

Sample ID: WA-105-2003E (365)

Station Number: W-105

| Taxa Name | Group | Density (cells/ cm ²) | Relative Density | | | Biovolume (um ³ / cm ²) | Relative Biovolume | Form | Mot- ility | van Dam Index Values | | | | | | | Maine Epi Tolerance |
|--|--------------------|---|------------------|------|---------|--|-----------------------|------|---------------|-------------------------|-----|---|---|---|-----|---|---------------------------|
| | | | All | Rank | Diatoms | | | | | pH | NO2 | S | T | M | Sal | | |
| <i>Sellaphora seminulum</i> | Pennate Diatom | 39 | 0.028% | 42 | 0.6% | 2,709 | 0.000% | P | M | 3 | 3 | 4 | 4 | 5 | 3 | 2 | 48.7-I |
| <i>Sellaphora absoluta</i> | Pennate Diatom | 10 | 0.007% | 62 | 0.2% | 2,441 | 0.000% | P | M | 3 | 1 | 1 | 1 | 3 | | 2 | |
| <i>Nitzschia acidoclinata</i> | Pennate Diatom | 29 | 0.021% | 45 | 0.5% | 3,434 | 0.000% | P | H | 3 | 1 | 1 | 2 | 3 | 3 | 1 | 43.4-I |
| <i>Nitzschia amphibia</i> | Pennate Diatom | 20 | 0.014% | 53 | 0.3% | 9,043 | 0.001% | P | H | 4 | 3 | 3 | 3 | 5 | 3 | 2 | 65.5-E |
| <i>Nitzschia archibaldii</i> | Pennate Diatom | 39 | 0.028% | 42 | 0.6% | 3,174 | 0.000% | P | H | 3 | 2 | 2 | 2 | 5 | | 2 | 38.3-I |
| <i>Nitzschia dissipata var. media</i> | Pennate Diatom | 10 | 0.007% | 62 | 0.2% | 5,931 | 0.001% | P | H | 4 | | | | | | 2 | 34.4-I |
| <i>Nitzschia paleacea</i> | Pennate Diatom | 20 | 0.014% | 53 | 0.3% | 3,347 | 0.000% | P | H | 4 | 4 | 3 | 3 | 5 | 2 | 2 | 49-I |
| <i>Nitzschia supralitorea</i> | Pennate Diatom | 20 | 0.014% | 53 | 0.3% | 1,095 | 0.000% | P | H | 3 | 3 | 2 | 3 | 5 | 4 | 2 | |
| <i>Tryblionella gracilis</i> | Pennate Diatom | 39 | 0.028% | 42 | 0.6% | 16,903 | 0.002% | P | H | 4 | 2 | 3 | 3 | 5 | 3 | 3 | 30.7-I |
| <i>Dinobryon bavaricum</i> | Chrysophyte | 206 | 0.150% | 25 | | 24,824 | 0.003% | | | | | | | | | | |
| <i>Ophiocytium parvulum</i> | Yellow Green Algae | 617 | 0.450% | 20 | | 354,430 | 0.046% | | | | | | | | | | 33.7-I |
| <i>Tribonema</i> | Yellow Green Algae | 1,952 | 1.424% | 10 | | 3,262,892 | 0.420% | | | | | | | | | | |
| <i>Tribonema spp. 2 MESJAH</i> | Yellow Green Algae | 28,978 | 21.139% | 2 | | 52,774,877 | 6.801% | | | | | | | | | | |
| <i>Undetermined green coccoid 8-10µm</i> | Colonial Green | 617 | 0.450% | 20 | | 217,690 | 0.028% | | | | | | | | | | |
| <i>Aphanochaete repens</i> | Filamentous Green | 1,850 | 1.349% | 12 | | 1,171,316 | 0.151% | | | | | | | | | | 41.8-I |
| <i>Gloeocystis</i> | Colonial Green | 1,644 | 1.199% | 14 | | 259,637 | 0.033% | | | | | | | | | | 41.6-I |
| <i>Microspora</i> | Filamentous Green | 2,569 | 1.874% | 8 | | 7,131,372 | 0.919% | | | | | | | | | | |
| <i>Ankistrodesmus falcatus</i> | Colonial Green | 308 | 0.225% | 23 | | 11,294 | 0.001% | | | | | | | | | | 36.8-I |
| <i>Scenedesmus quadricauda</i> | Colonial Green | 411 | 0.300% | 21 | | 72,182 | 0.009% | | | | | | | | | | 58-E |
| <i>Scenedesmus spinosus</i> | Colonial Green | 1,028 | 0.750% | 17 | | 51,689 | 0.007% | | | | | | | | | | 40.4-I |
| <i>Chlamydomonas</i> | Unicellular Green | 103 | 0.075% | 30 | | 59,598 | 0.008% | | | | | | | | | | 43.4-I |
| <i>Chlamydomonas sp. 807µm</i> | Unicellular Green | 103 | 0.075% | 30 | | 82,980 | 0.011% | | | | | | | | | | |
| <i>Mougeotia 5-7µm</i> | Filamentous Green | 1,028 | 0.750% | 17 | | 2,906,221 | 0.375% | | | | | | | | | | |
| <i>Mougeotia 10-12µm</i> | Filamentous Green | 2,569 | 1.874% | 8 | | 22,169,220 | 2.857% | | | | | | | | | | 29.5-I |
| <i>Spirogyra 15-20µm</i> | Filamentous Green | 2,158 | 1.574% | 9 | | 150,413,330 | 19.383% | | | | | | | | | | |