

Barton Springs Algae

Water Resource Evaluation Section, Environmental Resource Management Division,
Watershed Protection & Development Review Department, City of Austin.

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Abstract

The Barton Springs complex in Austin, Texas is the only known habitat of the endangered Barton Springs Salamander, Eurycea sosorum, and the candidate Austin Blind Salamander, Eurycea waterlooensis. Determining conservation goals and developing effective habitat management requires an understanding of the food web that supports these species. In an effort to create an inventory of the algae present in the ecosystem as well as assess spatial and temporal variability in algal community composition, algae samples were collected from March 2005 – August 2006 in Parthenia/Barton, Eliza, Old Mill and Upper Barton Springs. Attached algae (epilithon, epipelon, epiphyton, epidendritic, and epipsammon) and all other observable macroalgae were sampled, with periphytic diatoms sampled and analyzed separately from soft-bodied algae. Although an adequate baseline was documented, drought conditions may have biased the results of this period. Recommendations for subsequent sampling include habitat specific tracking of algae communities and sampling over representative flow conditions

Introduction

The Barton Springs complex is composed of three perennial springs, Eliza, Old Mill, and Barton Springs Pool/Parthenia, and one intermittent spring, Upper Barton. Average discharge from the three perennial springs combined is 32,000,000 gallons per day (49.5 cfs), although discharges range from 21.6 cfs to 139 cfs. All four springs are located within the boundaries of Zilker Park in Austin, Texas and are of critical importance as the only known habitat for the Barton Springs Salamander, *Eurycea sosorum* and the Austin Blind Salamander, *E. waterlooensis*.

Barton Springs Pool (DUDB #35) is formed by an impoundment of Parthenia Spring and lies within the Barton Creek waterway, but it is isolated from creek water. This Pool is a popular swimming and recreational area used by citizens and tourists. Water depth in Barton Springs Pool ranges from 0.5-17.0 feet. Spring water exits the aquifer through fissured bedrock and small caves. Substrate downstream of the cave outflows is primarily bedrock with areas of overlying boulder, cobble and gravel. The areas immediately adjacent to these outflows are typically sediment free, while much of the remaining area is covered with 0.5 - 3 inches of sediment. The fissures contain pebble and gravel with clumps of the moss, *Amblystegium riparum* on many vertical surfaces. A variety of algae grow on the substrate nearest the outflows and in the larger fissures. An artificially constructed area of salamander habitat is located on the north side of the Pool consisting of a concrete substrate overlain with contoured gravel and cobble. The majority of this area is covered with 0.25 - 3 inches of sediment, and stands of the emergent macrophyte, *Sagittaria graminea*.

Eliza (DUDB #428) and Old Mill (DUDB #422) Springs are surrounded by manmade amphitheaters that enclose spring upwellings outside the boundaries of the main Barton Springs Pool. Both springs naturally have limited downstream connections with Barton Creek and have no additional source of inflows

beyond groundwater. In contrast with Barton Springs Pool, these two springs are closed to the public in order to provide salamander habitat undisturbed by humans.

Eliza Spring is a large (45 ft X 60 ft) oval cement structure with five sets of concentric benches encircling the impounded water and flat concrete substrate. A thin layer of gravel and cobble lies on top of the concrete under 1 foot or less of water. Recent habitat reconstruction efforts in Eliza have increased flow through the impounded area, so the aquatic habitat is more stream like than in the past.

Old Mill Spring, also known as Sunken Gardens, is impounded by a 21-foot radius circular rock structure with a natural substrate comprised of large boulders, cobble, gravel, sand, and marl. Surface outflow from the spring pool is significantly lower due to the impoundment, making it more pond like than Eliza. However, there is a surface outflow stream that meets Barton Creek downstream of the impoundment. Water depth in the spring pool is 4-5 feet in the center and 2-3 feet at the edges; in the stream, water depth is less than 1 foot.

Upper Barton Spring (DUDB #183) is located on the south bank of Barton Creek approximately 1/8 mile upstream of Barton Springs Pool. This spring remains in a natural state, with shallow, gravel riffles flowing from the spring upwellings into Barton Creek. Water depth is relatively shallow, with an average depth of 6 inches in the riffle areas. Surface flow in the spring is intermittent, disappearing when groundwater levels drop, and discharge from Barton Springs falls below forty cubic feet per second. Flow in Barton Creek varies considerably and portions of the creek are often dry in the summer. During periods of heavy rainfall, the spring receives overflow from Barton Creek floodwaters.



Figure 1. All monitored sites and Barton Springs Pool layout, including flow direction and location of upstream and downstream dams.

As the primary producers in an aquatic ecosystem, algae reproduce rapidly, respond quickly to environmental changes and can be important indicators of short-term impacts in an ecosystem. Benthic algae in particular are influenced by both chemical and physical changes. This study was an initial investigation into algal communities in the Barton Springs system and intended to complement other, more comprehensive studies of benthic macroinvertebrates (Geismar, 2007). Study objectives were:

- To provide a taxonomic algal inventory at each site as baseline for future study
- To assess spatial and temporal variability in algal composition at study sites.

Methods

Qualitative multi-habitat benthic algae samples were collected from each perennial spring site (Barton Springs, Eliza, Old Mill) during four periods (March, April/June, August, November) over 21 months from 2005-2006. Upper Barton Spring was only sampled in March 2005, because it was dry for the remainder of the study period. Attached algae from submerged habitats (epilithon- rock, epipelon- fine sediments, epiphyton- plant, epidendric- wood and epipsammon- sand) and floating mats were collected and maintained as discrete samples, with each habitat type noted. Samples were placed in a flipbag labeled with site, location, date and time, and transported on ice to the Environmental Resource Management (ERM) laboratory. They were then preserved with 2.5% buffered glutaraldehyde and refrigerated prior to identification to lowest possible taxonomic level by ERM staff. In addition to this sampling regime, a separate set of soft-bodied algae samples were collected in September, October and November 2006, and analyzed unpreserved by ERM staff. Results from these samples were not used to assess spatial or temporal variability, but were included in the taxon list.

Diatom samples were collected from the perennial spring sites in November 2005 and August 2006. The November 2005 Barton Springs Pool samples included a composite from a variety of habitats (Pool Comp) and a separate sample from the shallow end of the Pool (Pool Shallow). The August 2006 Barton Springs Pool samples were discrete, collected from the deep end (Pool Deep) and the shallow end of the Pool (Pool Shallow), macrophytes (Pool Epiphyte) and the mouth of one of the caves, Side Spring (Pool Side Spring). Diatom samples were collected according to the City of Austin Water Resource Evaluation Standard Operating Procedures (COA, 2004), and were identified by a consultant to the lowest possible taxonomic level.

Results

Results for benthic (primarily soft-bodied) algae and periphytic diatom samples are discussed separately, with complete taxa lists in Appendix A (Benthic Algae) and Appendix B (Diatoms).

Benthic Algae

Spatial Distribution

Because March 2005 was the only sampling event where Upper Barton Spring had flow, a separate comparison of those data is provided (Table 1). For this sampling event, Upper Barton Spring is the most taxa rich, with 9 taxa from 3 different habitat types, while Barton Springs Pool had 6 and Eliza and Old Mill Springs yielded 3 each from fewer habitat types. This may be due to the typically higher levels of nitrate nitrogen found in Upper Barton Spring, as much as 65-72% higher than the other springs (USGS 2007). In comparison, the three perennial springs had nitrate concentrations that were within 5-12 % of each other, with medians ranging from 1.19 to 1.24 mg/L. There may also have been other habitat differences among these sites that were beyond the scope of this study.

Cladophora was ubiquitous in March 2005, found at all 4 sites. Upper Barton had the most unique taxa (4), while Barton had 3, Old Mill had 1 and Eliza had none. Two of Upper Barton's original four unique genera of March 2005 were discovered in the other flowing springs with subsequent sampling events; *Oscillatoria* joined *Cladophora* as a ubiquitous genus, while *Tetraspora* was found in Eliza. *Hydrodictyon* and *Vaucheria* did not appear in any other site throughout the study period.

Table 1. Benthic algae taxa distribution from March 2005

| Site | Taxa # | Habitat type | Taxa/ habitat type | Unique taxa |
|--------------|--------|--------------|--------------------|-------------|
| Main Barton | 6 | 2 | 3 | 3 |
| Eliza | 3 | 1 | 3 | 0 |
| Old Mill | 3 | 2 | 1.5 | 1 |
| Upper Barton | 9 | 3 | 3 | 4 |

Table 2 shows the taxa distribution from each site over the entire period of record. Barton Springs Pool yielded more taxa and more unique taxa than Eliza, Old Mill and Upper Barton Springs in that order. This is likely due, in part, to Barton Springs Pool's larger size, more heterogeneous microhabitats (variation in spring flow, depth and substrate not present in the other springs), and higher number of samples and sampling locations. Barton Springs Pool was sampled one additional time (June 2006), and the number of discrete samples was also higher. The smaller springs had more taxa per discrete sample.

Table 2. Benthic algae taxa from all sampling events

| Site | # discrete samples (habitat types) | # sampling events | # observed taxa | Mean taxa per sample event | Mean taxa per discrete sample | # Unique Taxa* | Unique taxa as percent of total |
|--------------|------------------------------------|-------------------|-----------------|----------------------------|-------------------------------|----------------|---------------------------------|
| Barton | 30 | 5 | 44 | 8.8 | 1.46 | 21 | 48 |
| Eliza | 12 | 4 | 26 | 6.5 | 2.16 | 4 | 15 |
| Old Mill | 8 | 4 | 19 | 4.75 | 2.38 | 4 | 21 |
| Upper Barton | 3 | 1 | 9 | 9 | 3 | 2 | 22 |

*Taxa unique to one spring

However, unique taxa were also highest in Barton Springs Pool; 21 taxa or 48% of the total number from that site. Although limited in taxa richness (9) Upper Barton is slightly higher in unique taxa as percent of total (22%) when compared to Old Mill (21%) and Eliza (15%). As previously noted, Upper Barton had a higher number of taxa per sample event and discrete sample than other sites and was only sampled once (March 2005) because it was dry for the remainder of the study.

Interestingly, Eliza and Old Mill Springs are similar in size, yet had only one taxon *Closterium*, in common with each other and no other spring. In contrast, Eliza and Barton Springs Pool uniquely shared 9 taxa, more than any other pair of sites (Table 3). Eliza is more hydrologically and chemically similar to Main Barton Springs than the other sites (USGS, 2006) and the algal community reflects this similarity, with the two sites sharing 7 taxa, more than any other paired sites (Table 3).

Table 3. Benthic algae taxa shared between sites

| All 4 springs | BSP/Eliza | BSP/OM | BSP/Upper | Eliza/OM | Eliza/Up | OM/Upper |
|---------------|-----------|--------|-----------|----------|----------|----------|
| 2 | 7 | 2 | 0 | 1 | 1 | 1 |

Only *Cladophora sp* and *Oscillatoria sp* were ubiquitous, being found at every site at least once during the study. Certain species of *Oscillatoria* were more limited in distribution. Five additional taxa were found at all sites but Upper Barton.

Temporal Distribution

In evaluating temporal variation, sampling events are typically grouped by seasons. However, because the spring system has fairly constant water temperature (ranging from 20.0 to 22.3 ° C among all three perennial springs), typical seasonality was not used to compare temporal changes. However, the period of record encompassed a significant drought, with a decrease in discharge from 110 cfs initially (March 05) to 23 cfs in the final month of the study (Nov 06), so the data are simply presented according to sampling period (month/year) rather than by season (Table 4).

Table 4. Benthic algae taxa temporal distribution and flow median for all sites

| Sampling date | Flow median | # Taxa | # Unique Taxa* |
|---------------|-------------|--------|----------------|
| Mar 2005 | 115 cfs | 13 | 4 |
| Nov 2005 | 42 cfs | 13 | 3 |
| Apr/Jun 2006 | 28-30 cfs | 22-21 | 5 |
| Aug 2006 | 23 cfs | 39 | 17 |

*Only occurring in that sampling period

A limited group of taxa were present throughout the year (*Chlamydomonas*, *Spirogyra*, unknown blue green #1). August 2006 sample was most diverse and yielded the most number of unique taxa (those not observed in any other sampling period) while both samples in 2005 (March and November) had the least diversity (13 taxa) and lowest number of unique taxa (4 and 3, respectively). Main Barton Springs mean daily discharge, or flow, has an inverse relation to nitrate (COA, 2005), so it is likely that the increase in taxa over the study period was related to an increase in nutrients related to the significant decrease in flow (Figure 2). In this case, the diversity may not be a good measure of overall health, and an intermediate disturbance effect of drought could partially explain this progression.

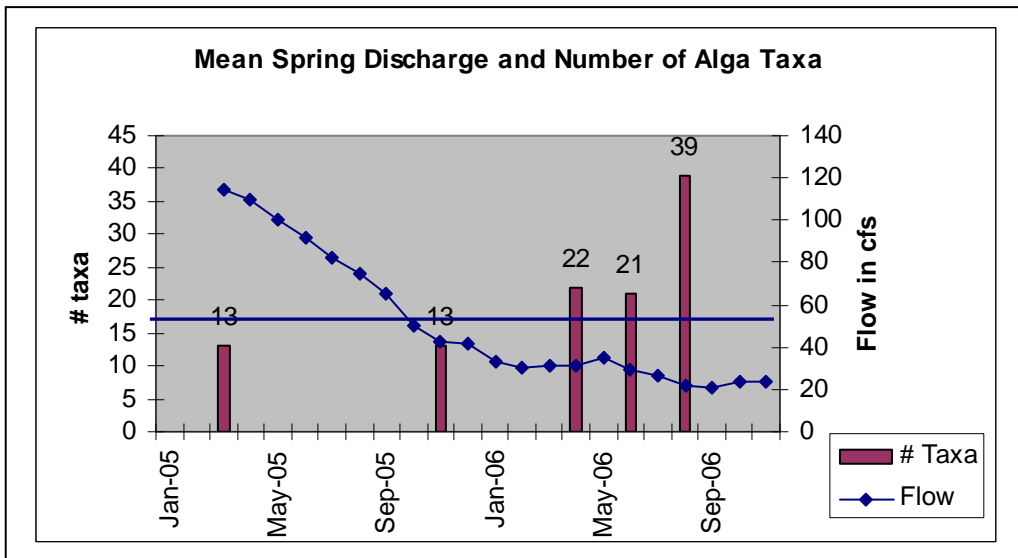


Figure 2. Mean spring discharge in cfs vs number of algae taxa, with the horizontal line indicating the mean discharge from 1979-2005 (65 cfs)

Diatoms

Diatom metrics

One common method of diatom community assessment transforms the data into metrics, or calculated indices, based on number of taxa, types of taxa and ecological information. The City of Austin uses four diatom metrics that relate well to increasing impervious cover (Muscio, 2002), and three of these four were calculated using the diatom data in this study. The fourth, percent similarity to reference condition, was not included because of the lack of an available reference condition (typically a stream riffle in an undeveloped watershed) for comparison with the springs habitat.

Metrics used:

Taxa Richness is the number of taxa found during sampling. Typically a higher taxa richness indicates high diversity and more healthy stream conditions, while taxa richness may decrease with increasing pollution. However, other, often natural factors such as low light or low nutrient levels, can decrease this metric, even in pristine streams (EPA, 1999).

PTI, or Pollution Tolerance Index, rates diatom taxa by their sensitivity to pollution on a scale of increasing sensitivity, where 1 is least sensitive and 4 is the most sensitive.

Cymbella Richness, or number of cymbelloid taxa is similar to PTI, in that a decrease in this metric indicates a decrease in sensitive taxa.

Percent Motile Taxa is based on number of taxa, not number of individuals. It is often referred to as a siltation index because it is based on taxa that are able to move and thus, survive siltation events. Increasing values indicate increasing amounts of siltation.

Spatial Distribution

Diatoms showed some differences from the soft bodied algal community. First, the diatom community was more taxa rich, with a total of 95 taxa found during the study, compared to only 58 soft bodied algae taxa. Also, diatoms were more cosmopolitan, with 17 taxa being found at all three sites at least once during the study, while only two soft bodied alga taxa were ubiquitous. While Main Barton and Eliza shared a higher number of soft-bodied alga taxa than other spring pairings, a similar pattern was not seen in the diatom community, with the number of Barton and Eliza's shared taxa (4) being the same as Main Barton and Old Mill (Table 5). Barton Springs Pool had greater taxa richness and more unique taxa over the course of the study than either Eliza or Old Mill, probably due to a much greater habitat heterogeneity as well as larger sampling effort (Table 6). Five different areas or habitats in the pool were sampled (side springs, deep end, shallow end, epiphytes, and pool composite) in either November 2005 or August 2006, while only composite samples were collected from the two smaller springs. When number of taxa per discrete sample are examined, this distinction falls out, with Main Barton, Eliza and Old Mill having 15.2, 15 and 20 taxa respectively.

Table 5. Total diatom taxa and number of taxa shared between these springs

| Total taxa | BSP/Eliza/OM | BSP/Eliza | BSP/OM | Eliza/OM |
|------------|--------------|-----------|--------|----------|
| 95 | 17 | 4 | 4 | 2 |

Table 6. Diatom taxa distribution from all sampling events

| Site | # discrete samples (habitat types) | # sampling events | # observed taxa | Avg taxa per sample event | Avg taxa per discrete sample | # Unique Taxa | Unique taxa as percent of total |
|--------------------------------|------------------------------------|-------------------|-----------------|---------------------------|------------------------------|---------------|---------------------------------|
| Barton Springs Pool, all areas | 5 | 2 | 76 | 38 | 15.2 | 44 | 57 % |
| Eliza | 2 | 2 | 30 | 15 | 15 | 5 | 16.6 % |
| Old Mill | 2 | 2 | 40 | 20 | 20 | 11 | 27.5 % |

Diatom metrics were calculated for each sample and compared to metrics from the 2006 Environmental Integrity Index (EII), part of the City of Austin’s routine creek monitoring program (Table 7). The EII studies area creeks in phases, with 2006 focusing primarily on urban creeks. This comparison is somewhat limited by the difference in habitat and flow between creeks and the springs, but it does show that the diatom community at least in the main springs compares favorably to that in some Austin area creeks. Barton Springs Pool scored better than at least 90% of all creeks for every metric but taxa number, while Eliza and Old Mill scored worse than at least 50% of all creeks for taxa number and Cymbella richness. Eliza was particularly poor in taxa number, scoring better than only 2% of all creeks for that metric. This difference could be due to any number of factors beyond the scope of this study, including more limited downstream drift, flow and habitat variation in the two smaller spring systems in comparison to a stream riffle. All sites scored better than at least 85% of creeks for Percent Motile Taxa, possibly indicating that the springs system is less subject to siltation than are some area creeks.

Table 7. BSP study diatom metrics compared to 2006 EII diatom metrics

| Site would score better than .. % of EII sites | Eliza | Old Mill | Main Barton |
|--|-------|----------|-------------|
| Cymbella Richness | 15% | 50% | 90% |
| Number of Taxa | 2% | 18% | 63% |
| PTI | 76% | 74% | 100% |
| % Motile Taxa | 100% | 85% | 100% |

As described in the methods section, the number of samples taken from Barton Springs Pool varied from the November 05 sampling event (Pool Composite, sampled from a variety of habitats, and Pool Shallow) and the August 06 sampling event (Pool Deep, Pool Epiphytes, Pool Side Springs, Pool Shallow). For purpose of comparison, data from the side springs, deep end and epiphytes were combined to calculate Pool Comp metrics for August 06 (Table 8). In general these Barton Springs Pool sites scored better than the two smaller springs for all metrics. In particular, Pool Comp had the highest taxa richness (40-41 taxa) and Cymbella richness, while Pool Shallow scored better than other sites for Percent Motile Taxa and PTI. Within the main pool system, Pool Side Springs scored lower on all metrics for the period sampled, and in particular had the lowest Cymbella richness and the highest percent motile taxa possibly indicating a higher amount of sedimentation in this area.

Table 8. Diatom metric scores and % change over time

| PARAMETER | DATE | Eliza | % chg | Old Mill | % chg | Pool Comp* | %chg | Pool Shallow | %chg | Side Springs | Pool Deep | Pool Epiphyte |
|-------------------|--------|-------|-------|----------|-------|------------|------|--------------|------|--------------|-----------|---------------|
| CYMBELLA RICHNESS | NOV 05 | 1 | -100 | 1 | 100 | 5 | 40 | 5 | 20 | Ns | ns | ns |
| | AUG 06 | 0 | | 2 | | 7 | | 6 | | 2 | 4 | 7 |
| # TAXON | NOV 05 | 22 | -41 | 18 | 72 | 41 | -2 | 24 | 0 | Ns | ns | ns |
| | AUG 06 | 13 | | 31 | | 40 | | 24 | | 21 | 26 | 26 |
| % MOTILE TAXA | NOV 05 | 9 | -93 | 2.4 | 758 | 7.2 | -22 | 2.2 | -27 | Ns | ns | ns |
| | AUG 06 | 0.6 | | 20.6 | | 5.6 | | 1.6 | | 7.6 | 3.8 | 5.4 |
| PTI | NOV 05 | 2.406 | 24 | 2.424 | 13 | 2.958 | 2 | 3.02 | 2 | Ns | ns | ns |
| | AUG 06 | 2.976 | | 2.749 | | 3.03 | | 3.083 | | 2.975 | 3.048 | 3.076 |

*Aug 06 metrics are from combined data of pool side springs, pool deep and pool epiphyte

Temporal Distribution

Barton Springs Pool metrics (both Comp and Shallow) were relatively stable over time when compared to the smaller springs, possibly because the larger system was more capable of moderating the decrease in flow than the other systems (Figures 3 and 4). Cymbella richness showed 100 % changes over time in the small systems, but the very low number of cymbelloid taxa found at these sites (0,1,2) makes this observation of limited value. Eliza had the greatest decrease in taxa number, while showing improving metrics for both percent motile taxa and PTI. The only temporal trend seen at all sites was the increase in PTI, indicating a trend toward more sensitive species, although the change was very small in the main pool (Figure 4). This trend is difficult to explain given the nearly 50% drop in flow from 42 to 23 cfs over the study period, although with increasing nutrient concentration, may also be an intermediate disturbance response (Table 4).

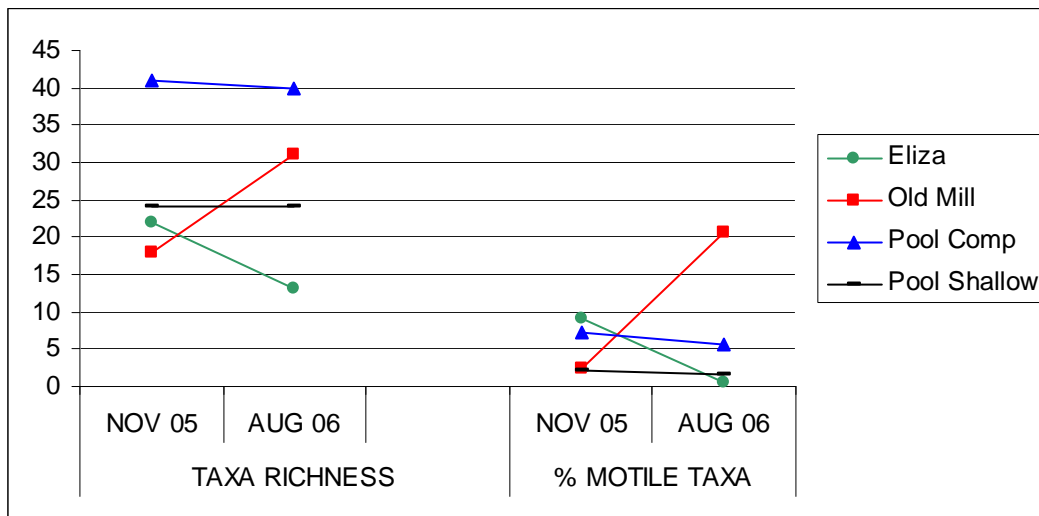


Figure 3. Diatom Taxa Richness and % Motile Taxa over time at all sites

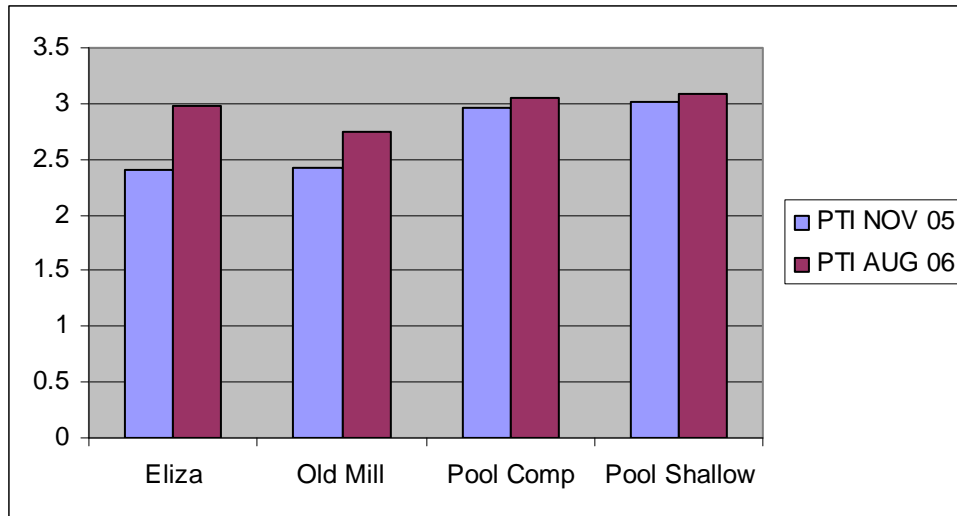


Figure 4. Diatom PTI over time at all sites

Unlike the increase seen in taxa counts in soft bodied algae over the study period, diatom taxa richness decreased by 41% at Eliza and remained fairly stable in the main springs. Old Mill was the only site to show a taxa increase (72%, from 18 to 31); although often considered a positive change as a move toward greater diversity, this increase in taxa may be related to the large increase in percent motile taxa (over 750% increase, from 2.4 to 20.6) over the same period (Figure 3). Much of this could be flow related, as Old Mill normally has a much lower discharge than Eliza, and its outfall was blocked over time by sediment and cobble/gravel. As the spring discharge dropped from November to August, (Figure 5) Old Mill became increasingly turbid and stagnant, with steadily dropping water levels. Flow through Eliza was apparently sufficient throughout the study period to maintain water levels (Figure 6). In fact, both Eliza and most areas of Barton Springs Pool showed substantial decreases in percent motile taxa (93% for Eliza, 36% for Pool Comp), indicating a decrease in sedimentation as a factor in diatom community structure.



Figure 4. Old Mill November 2005 (left) and September 2006 (right)



Figure 5. Eliza Spring, November 2005 (left) and September 2006 (right)

Conclusions

The limited scope of this study makes it difficult to establish significant conclusions with any statistical power, but there were some interesting comparisons over the sampling period. Soft bodied algae appeared to respond to substantial decrease in flow (and associated increase in nutrient concentrations), as taxa numbers increased at all sites throughout the study. Upper Barton Springs, with a higher nutrient concentration and more natural spring habitat, had more unique taxa and fewer shared taxa than other spring pairings. The algal community also reflected other environmental conditions, as Eliza and Main Barton Springs (more similar both chemically and hydrologically than Old Mill) had more taxa in common with each other than with Old Mill.

These same trends were not seen in the diatoms, possibly because the data set was much smaller and the period of record more limited. In any case, taxa numbers actually decreased over time in all but one site (Old Mill). The diatom community was also more taxa rich and more cosmopolitan than the soft-bodied algae community. Since diatom community dynamics are examined through the use of metrics, the ability to compare these two communities is limited beyond this point. A comparison was made between this data set and 2006 EII diatom data, and Barton Springs Pool compared more favorably than the smaller springs, scoring from 63 % to 100 % better than area creeks, depending on the metric. Barton Springs Pool also showed less variation in all metrics over time than the smaller springs, possibly because the diatoms in the larger pool were less impacted by the drop in flow than those in the smaller systems. The most notable response seen in diatoms was the change in percent motile diatoms, with a large increase over time occurring in Old Mill, as the site experienced a severe drop in water level and increase in turbidity over the study period.

Recommendations

Two objectives were initially identified for this study:

- Provide a baseline taxonomic algal inventory
- Assess spatial and temporal variability in algal composition.

Although a taxonomic algal inventory for each spring was generated, the significant drought during the sampling period may limit this inventory as a baseline, because the reduced spring discharge does not represent true baseline conditions. Monthly mean discharge was less than the long-term (1979-2000) mean discharge of 65 cfs for the final 15 months of the 21 month-long study, and the mean of all monthly mean discharge values during the study is only 51.4 cfs. If a more complete baseline inventory is desired, it is recommended that a study be conducted during periods of more representative flows.

In addition, the inconsistent nature of the sampling effort from month to month and spring to spring made spatial and temporal assessments difficult. If future study of periphyton communities (both soft-bodied and diatoms) is desired, a more standardized sampling effort is recommended. This is particularly true for the heterogeneous habitats in Barton Springs Pool; compositing some samples while separating out others into discrete habitat types limits the usefulness of comparisons. Instead, identifying particular sampling areas designated by habitat types (i.e., epiphyte, epidendron, etc) and sampling those same areas repeatedly over time would allow for improved data analysis. This plan would also help determine if there are particular habitats within the pool that support unique communities, and whether those communities respond differently than others.

References

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Appendix A

Algae Taxa

| SAMPLE DATE | DUDB # | SITE_NAME | HABITAT TYPE | TAXA | ABUNDANCE | SCALE |
|-------------|--------|----------------------------------|---------------------------|-----------------------------|-----------|---------------------|
| 9-Mar-05 | 35 | Barton Spring | attached algae | BATRACHOSPERMUM | 1 | 1=Present; 0=Absent |
| 9-Mar-05 | 35 | Barton Spring | benthos & floating | MOUGEOTIA | 1 | 1=Present; 0=Absent |
| 9-Mar-05 | 35 | Barton Spring | benthos & floating | TRIBONEMA | 1 | 1=Present; 0=Absent |
| 9-Mar-05 | 35 | Barton Spring | benthos & floating | OOCYSTIS | 1 | 1=Present; 0=Absent |
| 9-Mar-05 | 35 | Barton Spring | benthos & floating | CLADOPHORA | 1 | 1=Present; 0=Absent |
| 10-Mar-05 | 35 | Barton Spring | benthos & floating | DIATOMS | 1 | 1=Present; 0=Absent |
| 17-Mar-05 | 183 | Upper Barton Spring | attached algae | TUOMEYA AMERICANA | 1 | 1=Present; 0=Absent |
| 17-Mar-05 | 183 | Upper Barton Spring | attached algae | BATRACHOSPERMUM | 1 | 1=Present; 0=Absent |
| 17-Mar-05 | 183 | Upper Barton Spring | attached algae | OSCILLATORIA SP. | 1 | 1=Present; 0=Absent |
| 17-Mar-05 | 183 | Upper Barton Spring | attached algae | DIATOMS | 1 | 1=Present; 0=Absent |
| 17-Mar-05 | 183 | Upper Barton Spring | greenish globules | TETRASPORA | 1 | 1=Present; 0=Absent |
| 17-Mar-05 | 183 | Upper Barton Spring | filamentous mat | HYDRODICTYON SP. | 1 | 1=Present; 0=Absent |
| 17-Mar-05 | 183 | Upper Barton Spring | filamentous mat | SPIROGYRA | 1 | 1=Present; 0=Absent |
| 17-Mar-05 | 183 | Upper Barton Spring | filamentous mat | CLADOPHORA | 1 | 1=Present; 0=Absent |
| 17-Mar-05 | 183 | Upper Barton Spring | filamentous mat | VAUCHERIA SP. | 1 | 1=Present; 0=Absent |
| 17-Mar-05 | 422 | Old Mill (Sunken Gardens) Spring | epidendritic | AUDOUINELLA HERMANII | 1 | 1=Present; 0=Absent |
| 17-Mar-05 | 422 | Old Mill (Sunken Gardens) Spring | attached | TUOMEYA AMERICANA | 1 | 1=Present; 0=Absent |
| 17-Mar-05 | 422 | Old Mill (Sunken Gardens) Spring | attached | CLADOPHORA | 1 | 1=Present; 0=Absent |
| 18-Mar-05 | 428 | Eliza Spring | attached & floating | CLADOPHORA | 1 | 1=Present; 0=Absent |
| 18-Mar-05 | 428 | Eliza Spring | attached & floating | SPIROGYRA | 1 | 1=Present; 0=Absent |
| 18-Mar-05 | 428 | Eliza Spring | attached & floating | BATRACHOSPERMUM | 1 | 1=Present; 0=Absent |
| 22-Nov-05 | 35 | Barton Spring | Composite | SPIROGYRA | 1 | 1=Present; 0=Absent |
| 22-Nov-05 | 35 | Barton Spring | Composite | DIATOMS | 1 | 1=Present; 0=Absent |
| 22-Nov-05 | 35 | Barton Spring | Composite | UNKNOWN BLUE-GREEN ALGAE #1 | 1 | 1=Present; 0=Absent |
| 22-Nov-05 | 35 | Barton Spring | Composite | OSCILLATORIA SP. | 1 | 1=Present; 0=Absent |
| 22-Nov-05 | 35 | Barton Spring | Composite | LYNGBYA | 1 | 1=Present; 0=Absent |
| 22-Nov-05 | 35 | Barton Spring | Composite | OSCILLATORIA PRINCEPS | 1 | 1=Present; 0=Absent |
| 22-Nov-05 | 422 | Old Mill (Sunken Gardens) Spring | periphyton & moss squeeze | LYNGBYA SP. #1 | 1 | 1=Present; 0=Absent |
| 22-Nov-05 | 422 | Old Mill (Sunken Gardens) Spring | periphyton & moss squeeze | HAPTOPHYTES | 1 | 1=Present; 0=Absent |
| 22-Nov-05 | 422 | Old Mill (Sunken Gardens) Spring | periphyton & moss squeeze | DIATOMS | 1 | 1=Present; 0=Absent |

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|-----------|-----|----------------------------------|-----------------------------|--|---|--------------------------------------|
| 22-Nov-05 | 422 | Old Mill (Sunken Gardens) Spring | periphyton & moss squeeze | OSCILLATORIA SP. UNKNOWN BLUE-GREEN ALGAE #1 | 1 | 1=Present; 0=Absent |
| 22-Nov-05 | 422 | Old Mill (Sunken Gardens) Spring | periphyton & moss squeeze | OSCILLATORIA SP. | 1 | 1=Present; 0=Absent |
| 22-Nov-05 | 422 | Old Mill (Sunken Gardens) Spring | periphyton & moss squeeze | OPHIOCYTIUM SP. | 1 | 1=Present; 0=Absent |
| 22-Nov-05 | 422 | Old Mill (Sunken Gardens) Spring | periphyton & moss squeeze | CLOSTERIUM | 1 | 1=Present; 0=Absent |
| 22-Nov-05 | 428 | Eliza Spring | benthic filamentous mat | HAPTOPHYTES | 1 | 1=Present; 0=Absent |
| 22-Nov-05 | 428 | Eliza Spring | benthic filamentous mat | COSMARIUM DICHOTOMOSIPHON TUBEROSUS | 1 | 1=Present; 0=Absent |
| 22-Nov-05 | 428 | Eliza Spring | benthic filamentous mat | LYNGBYA | 1 | 1=Present; 0=Absent |
| 22-Nov-05 | 428 | Eliza Spring | benthic filamentous mat | CLOSTERIUM | 1 | 1=Present; 0=Absent |
| 22-Nov-05 | 428 | Eliza Spring | benthic filamentous mat | CHLAMYDOMONAS SP. | 1 | 1=Present; 0=Absent |
| 13-Apr-06 | 35 | Barton Spring | floating algae mats | CHROOCOCCUS SP. UNKNOWN BLUE-GREEN ALGAE #1 | 1 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 13-Apr-06 | 35 | Barton Spring | floating algae mats | SPIROGYRA | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 13-Apr-06 | 35 | Barton Spring | cosmopolitan | OSCILLATORIA AGARDHII | 5 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 13-Apr-06 | 35 | Barton Spring | cosmopolitan | OSCILLATORIA AGARDHII | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 13-Apr-06 | 35 | Barton Spring | cosmopolitan | SPIRULINA | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 13-Apr-06 | 35 | Barton Spring | cosmopolitan | TRIBONEMA | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 13-Apr-06 | 35 | Barton Spring | cosmopolitan | LYNGBYA MAJOR | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 13-Apr-06 | 35 | Barton Spring | cosmopolitan | DIATOMS DICHOTOMOSIPHON TUBEROSUS | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 13-Apr-06 | 35 | Barton Spring | benthic filamentous mat | RHIZOCLONIUM SP. | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 13-Apr-06 | 35 | Barton Spring | floating & attached algae | OSCILLATORIA PRINCEPS | 5 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 13-Apr-06 | 35 | Barton Spring | floating & benthic mat | SCENEDESMUS | 1 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 13-Apr-06 | 35 | Barton Spring | floating & benthic mat | SCENEDESMUS BIJUGA | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 13-Apr-06 | 35 | Barton Spring | floating & benthic mat | COSMARIUM | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 13-Apr-06 | 422 | Old Mill (Sunken Gardens) Spring | cosmopolitan | OSCILLATORIA AGARDHII | 1 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 13-Apr-06 | 428 | Eliza Spring | small attached mats to moos | CHROOCOCCUS SP. | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 13-Apr-06 | 428 | Eliza Spring | small attached mats to moos | CHLAMYDOMONAS SP. | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 13-Apr-06 | 428 | Eliza Spring | small attached mats to moos | CLOSTERIUM | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 13-Apr-06 | 428 | Eliza Spring | small attached mats to moos | OSCILLATORIA AGARDHII | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 13-Apr-06 | 428 | Eliza Spring | greenish "blobs" | TETRASPORA | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |

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|-----------|------|-----------------------------------|------------------------------------|-----------------------------|---|--------------------------------------|
| 13-Apr-06 | 428 | Eliza Spring | epilithon (scrapings off of rocks) | STIGEOCLONIUM LUBRICUM | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 14-Apr-06 | 428 | Eliza Spring | attached algae | BATRACHOSPERMUM | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Apr-06 | 428 | Eliza Spring | small attached mats to moos | TRIBONEMA | 1 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 16-Apr-06 | 422 | Old Mill (Sunken Gardens) Spring | floating mat (blob) & moss squeeze | DIATOMS | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 16-Apr-06 | 422 | Old Mill (Sunken Gardens) Spring | floating mat (blob) & moss squeeze | ANKISTRODESMUS | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 16-Apr-06 | 422 | Old Mill (Sunken Gardens) Spring | floating mat (blob) & moss squeeze | UNKNOWN BLUE-GREEN ALGAE #1 | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 16-Apr-06 | 422 | Old Mill (Sunken Gardens) Spring | floating mat (blob) & moss squeeze | ANABAENA | 1 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 16-Apr-06 | 422 | Old Mill (Sunken Gardens) Spring | floating mat (blob) & moss squeeze | CLOSTERIUM | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 16-Apr-06 | 422 | Old Mill (Sunken Gardens) Spring | floating mat (blob) & moss squeeze | OSCILLATORIA AGARDHII | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 16-Apr-06 | 422 | Old Mill (Sunken Gardens) Spring | floating mat (blob) & moss squeeze | STIGEOCLONIUM LUBRICUM | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 16-Apr-06 | 422 | Old Mill (Sunken Gardens) Spring | floating mat (blob) & moss squeeze | ALGAE FLAGELLATE | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 16-Apr-06 | 428 | Eliza Spring | small attached mats to moos | DIATOMS | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 16-Apr-06 | 428 | Eliza Spring | small attached mats to moos | OSCILLATORIA AGARDHII | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 18-Apr-06 | 2514 | Barton Springs Pool @ Shallow End | benthic shallow end | SPIROGYRA | 5 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 18-Apr-06 | 2514 | Barton Springs Pool @ Shallow End | benthic shallow end | CHLAMYDOMONAS SP. | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 18-Apr-06 | 2514 | Barton Springs Pool @ Shallow End | benthic shallow end | SPIRULINA | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 18-Apr-06 | 2514 | Barton Springs Pool @ Shallow End | benthic shallow end | TRIBONEMA | 1 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 18-Apr-06 | 2514 | Barton Springs Pool @ Shallow End | benthic shallow end | LYNGBYA MAJOR | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 18-Apr-06 | 2514 | Barton Springs Pool @ Shallow End | benthic shallow end | OSCILLATORIA AGARDHII | 1 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 18-Apr-06 | 2514 | Barton Springs Pool @ Shallow End | benthic shallow end | RHIZOCLONIUM SP. | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 18-Apr-06 | 2514 | Barton Springs Pool @ Shallow End | benthic shallow end | UNKNOWN BLUE-GREEN ALGAE #1 | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 18-Apr-06 | 2514 | Barton Springs Pool @ Shallow End | benthic shallow end | SPIROGYRA | 5 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 18-Apr-06 | 2514 | Barton Springs Pool @ Shallow End | benthic shallow end | CHLAMYDOMONAS SP. | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 18-Apr-06 | 2514 | Barton Springs Pool @ Shallow End | benthic shallow end | SPIRULINA | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 18-Apr-06 | 2514 | Barton Springs Pool @ Shallow End | benthic shallow end | TRIBONEMA | 1 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 18-Apr-06 | 2514 | Barton Springs Pool @ Shallow End | benthic shallow end | LYNGBYA MAJOR | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 18-Apr-06 | 2514 | Barton Springs Pool @ Shallow End | benthic shallow end | OSCILLATORIA AGARDHII | 1 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 18-Apr-06 | 2514 | Barton Springs Pool @ Shallow End | benthic shallow end | RHIZOCLONIUM SP. | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 18-Apr-06 | 2514 | Barton Springs Pool @ Shallow End | benthic shallow end | UNKNOWN BLUE-GREEN ALGAE #1 | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |

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|-----------|------|-------------------------------------|----------------|--|---|--------------------------------------|
| 15-Jun-06 | 860 | Barton Spring Pool @ Downstream Dam | floating mats | SPIROGYRA | 5 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 860 | Barton Spring Pool @ Downstream Dam | floating mats | CLADOPHORA | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 860 | Barton Spring Pool @ Downstream Dam | floating mats | SCENEDESMUS BIJUGA UNKNOWN BLUE-GREEN ALGAE #5 | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 860 | Barton Spring Pool @ Downstream Dam | floating mats | UNKNOWN BLUE-GREEN ALGAE #1 | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 860 | Barton Spring Pool @ Downstream Dam | floating mats | UNKNOWN BLUE-GREEN ALGAE #6 | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 860 | Barton Spring Pool @ Downstream Dam | floating mats | BATRACHOSPERMUM | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 860 | Barton Spring Pool @ Downstream Dam | floating mats | DIATOMS | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 860 | Barton Spring Pool @ Downstream Dam | floating mats | DIATOMS | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 860 | Barton Spring Pool @ Downstream Dam | floating mats | SPIRULINA | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 860 | Barton Spring Pool @ Downstream Dam | floating mats | LYNGBYA MAJOR | 5 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 860 | Barton Spring Pool @ Downstream Dam | floating mats | OSCILLATORIA AGARDHII | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 860 | Barton Spring Pool @ Downstream Dam | floating mats | SPIROGYRA | 5 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 860 | Barton Spring Pool @ Downstream Dam | floating mats | CLADOPHORA | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 860 | Barton Spring Pool @ Downstream Dam | floating mats | SCENEDESMUS BIJUGA UNKNOWN BLUE-GREEN ALGAE #5 | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 860 | Barton Spring Pool @ Downstream Dam | floating mats | UNKNOWN BLUE-GREEN ALGAE #1 | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 860 | Barton Spring Pool @ Downstream Dam | floating mats | UNKNOWN BLUE-GREEN ALGAE #6 | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 860 | Barton Spring Pool @ Downstream Dam | floating mats | BATRACHOSPERMUM | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 860 | Barton Spring Pool @ Downstream Dam | floating mats | DIATOMS | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 860 | Barton Spring Pool @ Downstream Dam | floating mats | DIATOMS | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 860 | Barton Spring Pool @ Downstream Dam | floating mats | SPIRULINA | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 860 | Barton Spring Pool @ Downstream Dam | floating mats | LYNGBYA MAJOR | 5 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 860 | Barton Spring Pool @ Downstream Dam | floating mats | OSCILLATORIA AGARDHII | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 2514 | Barton Springs Pool @ Shallow End | Floating algae | DIATOMS | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 2514 | Barton Springs Pool @ Shallow End | Floating algae | OEDEGONIUM | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 2514 | Barton Springs Pool @ Shallow End | Floating algae | EUGLENA/TRICH SP. UNKNOWN BLUE-GREEN ALGAE #1 | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 2514 | Barton Springs Pool @ Shallow End | Floating algae | OSCILLATORIA AGARDHII | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 2514 | Barton Springs Pool @ Shallow End | Floating algae | CHROOCOCCUS SP. | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 2514 | Barton Springs Pool @ Shallow End | Floating algae | LYNGBYA MAJOR | 1 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 2514 | Barton Springs Pool @ Shallow End | Floating algae | SPIRULINA | 5 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 2514 | Barton Springs Pool @ Shallow End | Floating algae | SPIRULINA | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |

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|-----------|------|-----------------------------------|----------------|---|---|--------------------------------------|
| 15-Jun-06 | 2514 | Barton Springs Pool @ Shallow End | Floating algae | SCENEDESMUS | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 2514 | Barton Springs Pool @ Shallow End | Floating algae | CHLAMYDOMONAS SP. | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 2514 | Barton Springs Pool @ Shallow End | Floating algae | SCENEDESMUS BIJUGA | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 2514 | Barton Springs Pool @ Shallow End | Floating algae | COELOSPHAERIUM | 1 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 2514 | Barton Springs Pool @ Shallow End | Floating algae | SPIROGYRA | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 2514 | Barton Springs Pool @ Shallow End | Floating algae | DIATOMS | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 2514 | Barton Springs Pool @ Shallow End | Floating algae | OEDEGONIUM | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 2514 | Barton Springs Pool @ Shallow End | Floating algae | EUGLENA/TRICH SP. UNKNOWN BLUE-GREEN ALGAE #1 | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 2514 | Barton Springs Pool @ Shallow End | Floating algae | OSCILLATORIA AGARDHII | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 2514 | Barton Springs Pool @ Shallow End | Floating algae | CHROOCOCCUS SP. | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 2514 | Barton Springs Pool @ Shallow End | Floating algae | LYNGBYA MAJOR | 1 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 2514 | Barton Springs Pool @ Shallow End | Floating algae | SPIRULINA | 5 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 2514 | Barton Springs Pool @ Shallow End | Floating algae | SPIRULINA | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 2514 | Barton Springs Pool @ Shallow End | Floating algae | SCENEDESMUS | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 2514 | Barton Springs Pool @ Shallow End | Floating algae | CHLAMYDOMONAS SP. | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 2514 | Barton Springs Pool @ Shallow End | Floating algae | SCENEDESMUS BIJUGA | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 2514 | Barton Springs Pool @ Shallow End | Floating algae | COELOSPHAERIUM | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 2514 | Barton Springs Pool @ Shallow End | Floating algae | SPIROGYRA | 1 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 2514 | Barton Springs Pool @ Shallow End | Floating algae | SPIROGYRA | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 2516 | Barton Springs Pool @ Deep End | attached algae | BATRACHOSPERMUM | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 2516 | Barton Springs Pool @ Deep End | attached algae | BATRACHOSPERMUM UNKNOWN BLUE-GREEN ALGAE #1 | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 2516 | Barton Springs Pool @ Deep End | attached algae | UNKNOWN BLUE-GREEN ALGAE #5 | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 2516 | Barton Springs Pool @ Deep End | attached algae | CHLAMYDOMONAS SP. | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 2516 | Barton Springs Pool @ Deep End | attached algae | DIATOMS | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 2516 | Barton Springs Pool @ Deep End | attached algae | DIATOMS | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 2516 | Barton Springs Pool @ Deep End | attached algae | MOUGEOTIA | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 2516 | Barton Springs Pool @ Deep End | attached algae | CLADOPHORA | 5 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 2516 | Barton Springs Pool @ Deep End | attached algae | SCENEDESMUS BIJUGA | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 2516 | Barton Springs Pool @ Deep End | attached algae | BATRACHOSPERMUM | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 2516 | Barton Springs Pool @ Deep End | attached algae | BATRACHOSPERMUM UNKNOWN BLUE-GREEN ALGAE #1 | 5 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 2516 | Barton Springs Pool @ Deep End | attached algae | UNKNOWN BLUE-GREEN ALGAE #1 | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |

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|-----------|------|--------------------------------|--------------------------|--|---|--------------------------------------|
| 15-Jun-06 | 2516 | Barton Springs Pool @ Deep End | attached algae | UNKNOWN BLUE-GREEN ALGAE #5 | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 2516 | Barton Springs Pool @ Deep End | attached algae | CHLAMYDOMONAS SP. | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 2516 | Barton Springs Pool @ Deep End | attached algae | DIATOMS | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 2516 | Barton Springs Pool @ Deep End | attached algae | DIATOMS | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 2516 | Barton Springs Pool @ Deep End | attached algae | MOUGEOTIA | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 2516 | Barton Springs Pool @ Deep End | attached algae | CLADOPHORA | 5 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 15-Jun-06 | 2516 | Barton Springs Pool @ Deep End | attached algae | SCENEDESMUS BIJUGA | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 23-Jun-06 | 35 | Barton Spring | epilithon | AUDOUINELLA HERMANII UNKNOWN BLUE-GREEN ALGAE #5 | 5 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 23-Jun-06 | 35 | Barton Spring | epilithon | UNKNOWN BLUE-GREEN ALGAE #1 | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 23-Jun-06 | 35 | Barton Spring | epilithon | CHAETOPHORA | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 23-Jun-06 | 35 | Barton Spring | epilithon | AMPHITHRIX JANTHINA | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | attached algae, fissures | LYNGBYA MAJOR | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | attached algae, fissures | OSCILLATORIA AGARDHII | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | attached algae, fissures | SPIRULINA | 1 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | attached algae, fissures | DIATOMS UNKNOWN BLUE-GREEN ALGAE #1 | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | attached algae, fissures | AUDOUINELLA HERMANII | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | attached algae, fissures | SCENEDESMUS BIJUGA | 1 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | attached algae, fissures | SPIROGYRA | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | attached algae, fissures | COSMARIUM | 1 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | attached to edge | SCENEDESMUS BIJUGA | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | attached to edge | CLADOPHORA | 5 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | attached to edge | DIATOMS | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | bottom perimeter | SPIROGYRA | 5 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | bottom perimeter | LYNGBYA MAJOR | 1 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | attached bottom fissures | LYNGBYA MAJOR | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | attached bottom fissures | SCENEDESMUS | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | attached bottom fissures | SPIROGYRA | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | attached bottom fissures | LYNGBYA SP. #2 | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | attached bottom fissures | DIATOMA VULGARIS | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | attached bottom fissures | CLADOPHORA | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |

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|-----------|----|---------------|--------------------------------|------------------------|---|--------------------------------------|
| 17-Aug-06 | 35 | Barton Spring | attached bottom fissures | TERPSINOE MUSICA | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | attached bottom fissures | DIATOMS | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | attached bottom fissures | UNKNOWN BLUE-GREEN | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | attached bottom fissures | ALGAE #1 | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | Epilithon from side spring | MOUGEOTIA | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | Epilithon from side spring | UNKNOWN BLUE-GREEN | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | Epilithon from side spring | ALGAE #8 | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | Epilithon from side spring | SPIROGYRA | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | Epilithon from side spring | SCENEDESMUS BIJUGA | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | Epilithon from side spring | OSCILLATORIA TENUIS V. | 5 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | Epilithon from side spring | TERGESTINA | 5 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | Epilithon from side spring | AUDOUINELLA HERMANII | 5 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | Epilithon from side spring | CLADOPHORA | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | Epilithon from side spring | UNKNOWN BLUE-GREEN | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | Epilithon from side spring | ALGAE #1 | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | Epilithon from side springs #2 | DIATOMS | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | Epilithon from side springs #2 | OSCILLATORIA TENUIS V. | 5 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | Epilithon from side springs #2 | TERGESTINA | 5 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | Epilithon from side springs #2 | CLADOPHORA | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | Epilithon from side springs #2 | SPIROGYRA | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | Epilithon from side springs #2 | ANABAENA VERRUCOSA | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | Epilithon from main springs | OSCILLATORIA AGARDHII | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | Epilithon from main springs | LYNGBYA MAJOR | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | Epilithon from main springs | AUDOUINELLA HERMANII | 5 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | Epilithon from main springs | SCENEDESMUS BIJUGA | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | Epilithon from main springs | DIATOMA VULGARIS | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | Epilithon from main springs | OSCILLATORIA TENUIS V. | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | Epilithon from main springs | TERGESTINA | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | Epilithon from main springs | UNKNOWN BLUE-GREEN | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | Epilithon from main springs | ALGAE #1 | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | Epilithon from main springs | DIATOMS | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | Epilithon from main springs | AUDOUINELLA HERMANII | 5 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | Epilithon from main springs | CALOTHRIX | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | Epilithon from main springs | AMPHITHRIX JANTHINA | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | Epilithon from main springs | LYNGBYA MAJOR | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |

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|-----------|----|---------------|----------------------------------|---------------------------------------|---|--------------------------------------|
| 17-Aug-06 | 35 | Barton Spring | Epiphyton, from pool macrophytes | LYNGBYA SP. #3 | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | Epiphyton, from pool macrophytes | STIGEOCLONIUM LUBRICUM | 1 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | Epiphyton, from pool macrophytes | RHIZOCLONIUM SP. | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | Epiphyton, from pool macrophytes | AUDOUINELLA HERMANII | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | Epiphyton, from pool macrophytes | SCENEDESMUS BIJUGA | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | Epiphyton, from pool macrophytes | HAPTOPHYTES | 1 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | Epiphyton, from pool macrophytes | SPIROGYRA | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | Epiphyton, from pool macrophytes | SYNEDRA ULNA | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | Epiphyton, from pool macrophytes | UNKNOWN BLUE-GREEN ALGAE #1 | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | Epiphyton, from pool macrophytes | OEDEGONIUM | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | Epiphyton, from pool macrophytes | DIATOMS | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | Epiphyton, from pool macrophytes | MOUGEOTIA | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | epilithon from main springs | ANABAENA | 1 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | epilithon from main springs | DIATOMS | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | epilithon from main springs | UNKNOWN BLUE-GREEN ALGAE #1 | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | epilithon from main springs | SPIROGYRA | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | epilithon from main springs | LYNGBYA SP. #3 | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | epilithon from main springs | OSCILLATORIA AGARDHII | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | epilithon from main springs | STIGEOCLONIUM LUBRICUM | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | epilithon from fissures | APHANOCHAETE POLYCHAETE | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | epilithon from fissures | STIGEOCLONIUM LUBRICUM | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | epilithon from fissures | SCENEDESMUS | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | epilithon from fissures | APHANOCAPSA GREVILLEI | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | epilithon from fissures | CLADOPHORA CHAETOSPHAERIDIUM GLOBOSUM | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 35 | Barton Spring | epilithon from fissures | UNKNOWN BLUE-GREEN ALGAE #1 | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |

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|-----------|-----|----------------------------------|---------------------------|--|---|--------------------------------------|
| 17-Aug-06 | 35 | Barton Spring | epilithon from fissures | DIATOMS | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 422 | Old Mill (Sunken Gardens) Spring | composite | CHLAMYDOMONAS SP. | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 422 | Old Mill (Sunken Gardens) Spring | composite | DIATOMS | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 422 | Old Mill (Sunken Gardens) Spring | composite | UNKNOWN BLUE-GREEN ALGAE #5 | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 422 | Old Mill (Sunken Gardens) Spring | composite | UNKNOWN BLUE-GREEN ALGAE #1 | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 422 | Old Mill (Sunken Gardens) Spring | epiphyton | DIATOMS | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 422 | Old Mill (Sunken Gardens) Spring | epiphyton | UNKNOWN BLUE-GREEN ALGAE #1 | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 422 | Old Mill (Sunken Gardens) Spring | epiphyton | BACILLARIA PARADOXA | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 422 | Old Mill (Sunken Gardens) Spring | epiphyton | CHLAMYDOMONAS SP. | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 422 | Old Mill (Sunken Gardens) Spring | surface scum | COSMARIUM | 1 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 422 | Old Mill (Sunken Gardens) Spring | surface scum | DIATOMS | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 422 | Old Mill (Sunken Gardens) Spring | surface scum | UNKNOWN BLUE-GREEN ALGAE #5 | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 428 | Eliza Spring | epidendron | SCENEDESMUS | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 428 | Eliza Spring | epidendron | BATRACHOSPERMUM | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 428 | Eliza Spring | epidendron | DIATOMS | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 428 | Eliza Spring | floating "blobs" on rocks | COSMARIUM | 1 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 428 | Eliza Spring | floating "blobs" on rocks | OSCILLATORIA TENUIS V. TERGESTINA | 5 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 428 | Eliza Spring | floating "blobs" on rocks | SCENEDESMUS BIJUGA | 1 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 428 | Eliza Spring | floating "blobs" on rocks | DIATOMS | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 428 | Eliza Spring | floating "blobs" on rocks | UNKNOWN GREEN BALLS #1 UNKNOWN BLUE-GREEN ALGAE #5 | 1 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 428 | Eliza Spring | epilithion | ALGAE #5 | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 428 | Eliza Spring | epilithion | EUGLENA/TRICH SP. | 1 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 428 | Eliza Spring | epilithion | DIATOMS | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 428 | Eliza Spring | epilithion | DIATOMS | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 428 | Eliza Spring | epilithion | GLEOCYSTIS VESICULOSA | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 428 | Eliza Spring | epilithion | COSMARIUM | 1 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 428 | Eliza Spring | epilithion | SPIROGYRA | 5 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 428 | Eliza Spring | epilithion | SCENEDESMUS BIJUGA | 1 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 428 | Eliza Spring | epilithion | SCENEDESMUS | 1 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 428 | Eliza Spring | epilithion | LYNGBYA AESTUARII | 5 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 428 | Eliza Spring | epiphyton | SCENEDESMUS | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |

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| 17-Aug-06 | 428 | Eliza Spring | epiphyton | LYNGBYA AESTUARII | 5 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 428 | Eliza Spring | epiphyton | STIGEOCLONIUM LUBRICUM | 1 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 428 | Eliza Spring | epiphyton | CHAMAESIPHON SP. | 1 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 428 | Eliza Spring | epiphyton | TERPSINOE MUSICA | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 428 | Eliza Spring | epiphyton | COSMARIUM | 1 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 428 | Eliza Spring | epiphyton | SCENEDESMUS BIJUGA UNKNOWN BLUE-GREEN | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 428 | Eliza Spring | epiphyton | ALGAE #5 | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 428 | Eliza Spring | epiphyton | GLEOCYSTIS VESICULOSA UNKNOWN BLUE-GREEN | 1 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 428 | Eliza Spring | epiphyton | ALGAE #1 | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 428 | Eliza Spring | epiphyton | DIATOMS | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | attached:shallow end wall | DIATOMS | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | attached:shallow end wall | CLADOPHORA | 5 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | attached:shallow end wall | STIGEOCLONIUM LUBRICUM | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | attached:shallow end wall | LYNGBYA MAJOR | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | floating algae :shallow end | SPIRULINA | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | floating algae :shallow end | LYNGBYA MAJOR | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | floating algae :shallow end | SCENEDESMUS | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | floating algae :shallow end | SPIROGYRA | 5 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | floating algae :shallow end | DIATOMA VULGARIS | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | floating algae :shallow end | DIATOMS UNKNOWN BLUE-GREEN | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | floating algae :shallow end | ALGAE #1 | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | shallow end : benthic | DIATOMS UNKNOWN BLUE-GREEN | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | shallow end : benthic | ALGAE #1 | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | shallow end : benthic | SPIROGYRA | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | shallow end : benthic | SCENEDESMUS BIJUGA | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | shallow end : benthic | SYNEDRA ULNA | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | shallow end : benthic | SPIRULINA | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | shallow end : benthic | STIGEOCLONIUM LUBRICUM | 1 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | shallow end : benthic | LYNGBYA MAJOR | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | attached:shallow end wall | DIATOMS | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | attached:shallow end wall | CLADOPHORA | 5 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | attached:shallow end wall | STIGEOCLONIUM LUBRICUM | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |

| | | | | | | |
|-----------|------|-----------------------------------|-----------------------------|---|---|--------------------------------------|
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | attached:shallow end wall | LYNGBYA MAJOR | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | floating algae :shallow end | SPIRULINA | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | floating algae :shallow end | LYNGBYA MAJOR | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | floating algae :shallow end | SCENEDESMUS | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | floating algae :shallow end | SPIROGYRA | 5 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | floating algae :shallow end | DIATOMA VULGARIS | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | floating algae :shallow end | DIATOMS UNKNOWN BLUE-GREEN ALGAE #1 | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | floating algae :shallow end | DIATOMS UNKNOWN BLUE-GREEN ALGAE #1 | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | shallow end : benthic | DIATOMS UNKNOWN BLUE-GREEN ALGAE #1 | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | shallow end : benthic | SPIROGYRA | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | shallow end : benthic | SCENEDESMUS BIJUGA | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | shallow end : benthic | SYNEDRA ULNA | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | shallow end : benthic | SPIRULINA | 2 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | shallow end : benthic | STIGEOCLONIUM LUBRICUM | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | shallow end : benthic | LYNGBYA MAJOR | 1 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | attached algae,deep | CHLAMYDOMONAS SP. | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | attached algae,deep | LYNGBYA MAJOR | 1 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | attached algae,deep | MOUGEOTIA UNKNOWN BLUE-GREEN ALGAE #1 | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | attached algae,deep | DIATOMS | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | attached algae,deep | SPIROGYRA | 5 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | floating algae,deep end | SPIROGYRA UNKNOWN BLUE-GREEN ALGAE #1 | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | floating algae,deep end | DIATOMS | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | floating algae,deep end | LYNGBYA MAJOR | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | floating algae,deep end | OSCILLATORIA AGARDHII | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | attached algae,deep | CHLAMYDOMONAS SP. | 1 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | attached algae,deep | LYNGBYA MAJOR | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | attached algae,deep | MOUGEOTIA UNKNOWN BLUE-GREEN ALGAE #1 | 1 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | attached algae,deep | DIATOMS | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |

| | | | | | | |
|-----------|------|--------------------------------|-------------------------|-----------------------|---|--------------------------------------|
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | attached algae,deep | DIATOMS | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | attached algae,deep | SPIROGYRA | 5 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | floating algae,deep end | SPIROGYRA | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | floating algae,deep end | UNKNOWN BLUE-GREEN | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | floating algae,deep end | ALGAE #1 | 3 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | floating algae,deep end | DIATOMS | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | floating algae,deep end | LYNGBYA MAJOR | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | floating algae,deep end | OSCILLATORIA AGARDHII | 4 | 1=Rare;2=<5%;3=5-25%;4=25-75%;5=>75% |

Appendix B

Diatom Taxa

| SAMPLE DATE | SITE NUMBER | SITE NAME | SITE COMMENT | TAXA | Count |
|-------------|-------------|---------------|----------------|--|-------|
| 22-Nov-05 | 35 | Barton Spring | Pool Composite | NITZSCHIA MICROCEPHALA | 1 |
| 22-Nov-05 | 35 | Barton Spring | Pool Composite | NAVICULA STROEMII | 2 |
| 22-Nov-05 | 35 | Barton Spring | Pool Composite | PSAMMOTHIDIUM ABUNDANS F. ROSENSTOCKII | 55 |
| 22-Nov-05 | 35 | Barton Spring | Pool Composite | GOMPHONEMA AUGUR | 1 |
| 22-Nov-05 | 35 | Barton Spring | Pool Composite | GOMPHONEMA PARVULUM | 1 |
| 22-Nov-05 | 35 | Barton Spring | Pool Composite | NAVICULA CARI | 4 |
| 22-Nov-05 | 35 | Barton Spring | Pool Composite | NITZSCHIA ACICULARIS | 2 |
| 22-Nov-05 | 35 | Barton Spring | Pool Composite | SYNEDRA ULNA | 26 |
| 22-Nov-05 | 35 | Barton Spring | Pool Composite | ENCYONOPSIS MICROCEPHALA | 18 |
| 22-Nov-05 | 35 | Barton Spring | Pool Composite | ACHNANTHES BIASOLETTIANA | 55 |
| 22-Nov-05 | 35 | Barton Spring | Pool Composite | ACHNANTHES LANCEOLATA SUBSP. DUBIA | 1 |
| 22-Nov-05 | 35 | Barton Spring | Pool Composite | AMPHORA OVALIS | 2 |
| 22-Nov-05 | 35 | Barton Spring | Pool Composite | AMPHORA PEDICULUS | 12 |
| 22-Nov-05 | 35 | Barton Spring | Pool Composite | AMPHORA VENETA | 3 |
| 22-Nov-05 | 35 | Barton Spring | Pool Composite | COCCONEIS PLACENTULA | 6 |
| 22-Nov-05 | 35 | Barton Spring | Pool Composite | DIATOMA VULGARIS | 2 |
| 22-Nov-05 | 35 | Barton Spring | Pool Composite | FRAGILARIA CAPUCINA | 14 |
| 22-Nov-05 | 35 | Barton Spring | Pool Composite | NAVICULA KOTSCHYI | 2 |
| 22-Nov-05 | 35 | Barton Spring | Pool Composite | NITZSCHIA AMPHIBIA | 1 |
| 22-Nov-05 | 35 | Barton Spring | Pool Composite | NITZSCHIA ANGUSTATA | 1 |
| 22-Nov-05 | 35 | Barton Spring | Pool Composite | NITZSCHIA PALEA | 6 |
| 22-Nov-05 | 35 | Barton Spring | Pool Composite | NITZSCHIA SOLITA | 1 |
| 22-Nov-05 | 35 | Barton Spring | Pool Composite | NAVICULA CRYPTOTENELLA | 6 |
| 22-Nov-05 | 35 | Barton Spring | Pool Composite | MELOSIRA VARIANS | 6 |
| 22-Nov-05 | 35 | Barton Spring | Pool Composite | ACHNANTHIDIUM MINUTISSIMUM | 106 |
| 22-Nov-05 | 35 | Barton Spring | Pool Composite | GOMPHONEMA MEXICANUM | 22 |
| 22-Nov-05 | 35 | Barton Spring | Pool Composite | NAVICULA SP. 106 | 1 |
| 22-Nov-05 | 35 | Barton Spring | Pool Composite | GOMPHONEMA INTRICATUM | 3 |
| 22-Nov-05 | 35 | Barton Spring | Pool Composite | NAVICULA CRYPTOCEPHALA | 3 |
| 22-Nov-05 | 35 | Barton Spring | Pool Composite | GOMPHONEMA INTRICATUM VAR. VIBRIO | 1 |
| 22-Nov-05 | 35 | Barton Spring | Pool Composite | ENCYONEMA SILESIACUM | 9 |
| 22-Nov-05 | 35 | Barton Spring | Pool Composite | BRACHYSIRA VITREA | 23 |

| SAMPLE DATE | SITE NUMBER | SITE NAME | SITE COMMENT | TAXA | Count |
|-------------|-------------|---------------|-------------------|--------------------------------------|-------|
| 22-Nov-05 | 35 | Barton Spring | Pool Composite | CYMBELLA CISTULA | 38 |
| 22-Nov-05 | 35 | Barton Spring | Pool Composite | NAVICULA VENETA | 1 |
| 22-Nov-05 | 35 | Barton Spring | Pool Composite | ENCYONEMA EVERGLADIANUM | 27 |
| 22-Nov-05 | 35 | Barton Spring | Pool Composite | FRAGILARIA SP. 100 | 1 |
| 22-Nov-05 | 35 | Barton Spring | Pool Composite | SYNEDRA ULNA V. OXYRHYNCHUS | 12 |
| 22-Nov-05 | 35 | Barton Spring | Pool Composite | ENCYONEMA MESIANA | 3 |
| 22-Nov-05 | 35 | Barton Spring | Pool Composite | SYNEDRA TENERA | 11 |
| 22-Nov-05 | 35 | Barton Spring | Pool Composite | NITZSCHIA PALEACEA | 6 |
| 22-Nov-05 | 35 | Barton Spring | Pool Composite | PSAMMOTHIDIUM SUBATOMOIDES | 5 |
| 17-Aug-06 | 35 | Barton Spring | Pool Side Springs | STAUROSIRA CONSTRUENS | 10 |
| 17-Aug-06 | 35 | Barton Spring | Pool Side Springs | NAVICULA CRYPTOTENELLA | 2 |
| 17-Aug-06 | 35 | Barton Spring | Pool Side Springs | GOMPHONEMA GROVEI VAR. LINGULATUM | 4 |
| 17-Aug-06 | 35 | Barton Spring | Pool Side Springs | NITZSCHIA AMPHIBIA | 8 |
| 17-Aug-06 | 35 | Barton Spring | Pool Side Springs | ACHNANTHES BIASOLETTIANA | 145 |
| 17-Aug-06 | 35 | Barton Spring | Pool Side Springs | ENCYONOPSIS MICROCEPHALA | 10 |
| 17-Aug-06 | 35 | Barton Spring | Pool Side Springs | DENTICULA KUETZINGII | 72 |
| 17-Aug-06 | 35 | Barton Spring | Pool Side Springs | DIPLONEIS PUELLA | 2 |
| 17-Aug-06 | 35 | Barton Spring | Pool Side Springs | FRAGILARIA CAPUCINA | 8 |
| 17-Aug-06 | 35 | Barton Spring | Pool Side Springs | GOMPHONEMA AFFINE | 80 |
| 17-Aug-06 | 35 | Barton Spring | Pool Side Springs | NAVICULA KOTSCHYI | 2 |
| 17-Aug-06 | 35 | Barton Spring | Pool Side Springs | NITZSCHIA PALEA | 4 |
| 17-Aug-06 | 35 | Barton Spring | Pool Side Springs | FRAGILARIA ULNA | 13 |
| 17-Aug-06 | 35 | Barton Spring | Pool Side Springs | ACHNANTHIDIUM MINUTISSIMUM | 70 |
| 17-Aug-06 | 35 | Barton Spring | Pool Side Springs | GEISSLERIA CUMMEROWII | 7 |
| 17-Aug-06 | 35 | Barton Spring | Pool Side Springs | GOMPHOSPHENIA REICHELTI (G. GROVEII) | 5 |
| 17-Aug-06 | 35 | Barton Spring | Pool Side Springs | NITZSCHIA AMPHIBIOIDES | 18 |
| 17-Aug-06 | 35 | Barton Spring | Pool Side Springs | ENCYONEMA EVERGLADIANUM | 8 |
| 17-Aug-06 | 35 | Barton Spring | Pool Side Springs | DIADESMIS CONFERVACEA | 4 |
| 17-Aug-06 | 35 | Barton Spring | Pool Side Springs | RHOICOSPHENIA CURVATA | 2 |
| 17-Aug-06 | 35 | Barton Spring | Pool Side Springs | AMPHORA INARIENSIS | 26 |
| 17-Aug-06 | 35 | Barton Spring | Pool Epiphyte | STAUROSIRELLA PINNATA | 70 |
| 17-Aug-06 | 35 | Barton Spring | Pool Epiphyte | CYMBELLA TURGIDULA | 7 |
| 17-Aug-06 | 35 | Barton Spring | Pool Epiphyte | CYMBELLA EXCISA | 2 |
| 17-Aug-06 | 35 | Barton Spring | Pool Epiphyte | EUNOTIA PECTINALIS | 4 |

| SAMPLE DATE | SITE NUMBER | SITE NAME | SITE COMMENT | TAXA | Count |
|-------------|-------------|----------------------------------|---------------|------------------------------------|-------|
| 17-Aug-06 | 35 | Barton Spring | Pool Epiphyte | FRAGILARIA ACUS | 4 |
| 17-Aug-06 | 35 | Barton Spring | Pool Epiphyte | AMPHORA INARIENSIS | 26 |
| 17-Aug-06 | 35 | Barton Spring | Pool Epiphyte | CYMBELLA LAEVIS | 4 |
| 17-Aug-06 | 35 | Barton Spring | Pool Epiphyte | PSEUDOSTAurosIRA BREVIstriATA | 8 |
| 17-Aug-06 | 35 | Barton Spring | Pool Epiphyte | DIADESMIS CONFERVACEA | 4 |
| 17-Aug-06 | 35 | Barton Spring | Pool Epiphyte | CYMBELLA HUSTEDTII | 2 |
| 17-Aug-06 | 35 | Barton Spring | Pool Epiphyte | ENCYONEMA SILESIAcUM | 4 |
| 17-Aug-06 | 35 | Barton Spring | Pool Epiphyte | NAVICULA PLACENTULA (PSEUDANGLiCA) | 2 |
| 17-Aug-06 | 35 | Barton Spring | Pool Epiphyte | NAVICULA RADIOSA | 2 |
| 17-Aug-06 | 35 | Barton Spring | Pool Epiphyte | NITZSCHIA AMPHIBIOIDES | 2 |
| 17-Aug-06 | 35 | Barton Spring | Pool Epiphyte | ENCYONEMA EVERGLADIANUM | 26 |
| 17-Aug-06 | 35 | Barton Spring | Pool Epiphyte | GEISSLERIA CUMMEROWII | 12 |
| 17-Aug-06 | 35 | Barton Spring | Pool Epiphyte | NAVICULA KOTSCHYI | 14 |
| 17-Aug-06 | 35 | Barton Spring | Pool Epiphyte | STAUROSIRA CONSTRUENS | 72 |
| 17-Aug-06 | 35 | Barton Spring | Pool Epiphyte | ACHNANTHES BIASOLETTIANA | 94 |
| 17-Aug-06 | 35 | Barton Spring | Pool Epiphyte | ENCYONOPSIS MICROCEPHALA | 12 |
| 17-Aug-06 | 35 | Barton Spring | Pool Epiphyte | DENTICULA KUETZINGII | 16 |
| 17-Aug-06 | 35 | Barton Spring | Pool Epiphyte | FRAGILARIA CAPUCINA | 18 |
| 17-Aug-06 | 35 | Barton Spring | Pool Epiphyte | GOMPHONEMA AFFINE | 12 |
| 17-Aug-06 | 35 | Barton Spring | Pool Epiphyte | NAVICULA KOTSCHYI | 1 |
| 17-Aug-06 | 35 | Barton Spring | Pool Epiphyte | ACHNANTHIDIUM MINUTISSIMUM | 28 |
| 17-Aug-06 | 35 | Barton Spring | Pool Epiphyte | NAVICULA CRYPTOTENELLA | 2 |
| 17-Aug-06 | 35 | Barton Spring | Pool Epiphyte | FRAGILARIA ULNA | 52 |
| 22-Nov-05 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | NITZSCHIA INCONSPICUA | 6 |
| 22-Nov-05 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | NAVICULA CRYPTOTENELLA | 3 |
| 22-Nov-05 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | ACHNANTHES DELICATULA | 14 |
| 22-Nov-05 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | PSAMMOTHIDIUM SUBATOMOIDES | 15 |
| 22-Nov-05 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | NAVICULA STROEMII | 3 |
| 22-Nov-05 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | RHOICOSPHENIA CURVATA | 1 |
| 22-Nov-05 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | ACHNANTHES LANCEOLATA | 221 |
| 22-Nov-05 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | GOMPHONEMA PARVULUM | 6 |
| 22-Nov-05 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | ENCYONEMA EVERGLADIANUM | 1 |
| 22-Nov-05 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | GOMPHONEMA ANGUSTATUM | 11 |
| 22-Nov-05 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | GOMPHONEMA INTRICATUM | 3 |

| SAMPLE DATE | SITE NUMBER | SITE NAME | SITE COMMENT | TAXA | Count |
|-------------|-------------|----------------------------------|--------------|------------------------------------|-------|
| 22-Nov-05 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | ACHNANTHES SP. 100 | 2 |
| 22-Nov-05 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | GOMPHONEMA SP. 102 | 8 |
| 22-Nov-05 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | ACHNANTHES LANCEOLATA SUBSP. DUBIA | 31 |
| 22-Nov-05 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | SYNEDRA ULNA | 2 |
| 22-Nov-05 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | ACHNANTHIDIUM MINUTISSIMUM | 16 |
| 22-Nov-05 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | ACHNANTHES BIASOLETTIANA | 120 |
| 22-Nov-05 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | AMPHORA PEDICULUS | 37 |
| 17-Aug-06 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | GEISSLERIA CUMMEROWII | 17 |
| 17-Aug-06 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | ACHNANTHIDIUM MINUTISSIMUM | 118 |
| 17-Aug-06 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | NAVICULA SALINICOLA | 4 |
| 17-Aug-06 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | NITZSCHIA AMPHIBIA | 61 |
| 17-Aug-06 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | BACILLARIA PARADOXA | 2 |
| 17-Aug-06 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | NAVICULA CRYPTOTENELLA | 2 |
| 17-Aug-06 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | NAVICULA SANCTAECRUCIS | 4 |
| 17-Aug-06 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | NAVICULA KOTSCHYI | 6 |
| 17-Aug-06 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | AMPHORA PEDICULUS | 2 |
| 17-Aug-06 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | CALONEIS BACILLUM | 2 |
| 17-Aug-06 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | COCCONEIS PLACENTULA | 3 |
| 17-Aug-06 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | ENCYONOPSIS MICROCEPHALA | 47 |
| 17-Aug-06 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | DENTICULA KUETZINGII | 6 |
| 17-Aug-06 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | GOMPHONEMA ANGUSTUM | 12 |
| 17-Aug-06 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | GOMPHONEMA ANGUSTUM | 2 |
| 17-Aug-06 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | GOMPHONEMA CLAVATUM | 3 |
| 17-Aug-06 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | NAVICULA MINIMA | 7 |
| 17-Aug-06 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | ACHNANTHES BIASOLETTIANA | 45 |
| 17-Aug-06 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | AMPHORA OVALIS | 3 |
| 17-Aug-06 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | RHOICOSPHENIA CURVATA | 4 |
| 17-Aug-06 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | GOMPHONEMA PARVULUM | 8 |
| 17-Aug-06 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | NAVICULA MENISCULUS | 2 |
| 17-Aug-06 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | STAUROSIRELLA PINNATA | 2 |
| 17-Aug-06 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | AMPHORA INARIENSIS | 14 |
| 17-Aug-06 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | ENCYONEMA EVERGLADIANUM | 64 |
| 17-Aug-06 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | SELLAPHORA LAEVISSIMA | 4 |
| 17-Aug-06 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | BRACHYSIRA VITREA | 26 |

| SAMPLE DATE | SITE NUMBER | SITE NAME | SITE COMMENT | TAXA | Count |
|-------------|-------------|----------------------------------|--------------|------------------------------------|-------|
| 17-Aug-06 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | GOMPHONEMA ANGUSTATUM | 17 |
| 17-Aug-06 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | NAVICULA RADIOSA | 2 |
| 17-Aug-06 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | NAVICULA INTEGRATA | 4 |
| 17-Aug-06 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | NITZSCHIA AMPHIBIOIDES | 6 |
| 17-Aug-06 | 422 | Old Mill (Sunken Gardens) Spring | Old Mill | NAVICULA STROEMII | 1 |
| 23-Nov-05 | 428 | Eliza Spring | Eliza Spring | SURIRELLA ANGUSTA | 29 |
| 23-Nov-05 | 428 | Eliza Spring | Eliza Spring | NITZSCHIA PALEA | 3 |
| 23-Nov-05 | 428 | Eliza Spring | Eliza Spring | SYNEDRA ULNA | 58 |
| 23-Nov-05 | 428 | Eliza Spring | Eliza Spring | NITZSCHIA AMPHIBIA | 2 |
| 23-Nov-05 | 428 | Eliza Spring | Eliza Spring | NITZSCHIA PALEACEA | 5 |
| 23-Nov-05 | 428 | Eliza Spring | Eliza Spring | NITZSCHIA LINEARIS | 3 |
| 23-Nov-05 | 428 | Eliza Spring | Eliza Spring | ACHNANTHES LANCEOLATA | 5 |
| 23-Nov-05 | 428 | Eliza Spring | Eliza Spring | GOMPHONEMA PARVULUM | 102 |
| 23-Nov-05 | 428 | Eliza Spring | Eliza Spring | STAUROSIRELLA PINNATA | 29 |
| 23-Nov-05 | 428 | Eliza Spring | Eliza Spring | GOMPHONEMA AUGUR | 3 |
| 23-Nov-05 | 428 | Eliza Spring | Eliza Spring | PSAMMOTHIDIUM SUBATOMOIDES | 25 |
| 23-Nov-05 | 428 | Eliza Spring | Eliza Spring | GOMPHONEMA ANGUSTATUM | 5 |
| 23-Nov-05 | 428 | Eliza Spring | Eliza Spring | GOMPHONEMA GRACILE | 3 |
| 23-Nov-05 | 428 | Eliza Spring | Eliza Spring | NAVICULA STROEMII | 2 |
| 23-Nov-05 | 428 | Eliza Spring | Eliza Spring | ACHNANTHIDIUM MINUTISSIMUM | 74 |
| 23-Nov-05 | 428 | Eliza Spring | Eliza Spring | ENCYONEMOPSIS CESATII | 1 |
| 23-Nov-05 | 428 | Eliza Spring | Eliza Spring | ACHNANTHES LANCEOLATA SUBSP. DUBIA | 5 |
| 23-Nov-05 | 428 | Eliza Spring | Eliza Spring | ACHNANTHES BIASOLETTIANA | 135 |
| 23-Nov-05 | 428 | Eliza Spring | Eliza Spring | AMPHORA PEDICULUS | 5 |
| 23-Nov-05 | 428 | Eliza Spring | Eliza Spring | NAVICULA KOTSCHYI | 1 |
| 23-Nov-05 | 428 | Eliza Spring | Eliza Spring | NITZSCHIA SP. 102 | 1 |
| 23-Nov-05 | 428 | Eliza Spring | Eliza Spring | GOMPHONEMA SP. 101 | 4 |
| 17-Aug-06 | 428 | Eliza Spring | Eliza Spring | ACHNANTHES BIASOLETTIANA | 112 |
| 17-Aug-06 | 428 | Eliza Spring | Eliza Spring | NITZSCHIA AMPHIBIA | 2 |
| 17-Aug-06 | 428 | Eliza Spring | Eliza Spring | GOMPHONEMA AFFINE | 1 |
| 17-Aug-06 | 428 | Eliza Spring | Eliza Spring | DENTICULA KUETZINGII | 1 |
| 17-Aug-06 | 428 | Eliza Spring | Eliza Spring | COCCONEIS PLACENTULA | 7 |
| 17-Aug-06 | 428 | Eliza Spring | Eliza Spring | GOMPHONEMA ANGUSTUM | 6 |
| 17-Aug-06 | 428 | Eliza Spring | Eliza Spring | FRAGILARIA ULNA | 22 |

| SAMPLE DATE | SITE NUMBER | SITE NAME | SITE COMMENT | TAXA | Count |
|-------------|-------------|-----------------------------------|--------------|--|-------|
| 17-Aug-06 | 428 | Eliza Spring | Eliza Spring | ACHNANTHIDIUM MINUTISSIMUM | 6 |
| 17-Aug-06 | 428 | Eliza Spring | Eliza Spring | AMPHORA INARIENSIS | 6 |
| 17-Aug-06 | 428 | Eliza Spring | Eliza Spring | ACHNANTHES LANCEOLATA | 16 |
| 17-Aug-06 | 428 | Eliza Spring | Eliza Spring | STAUROSIRELLA PINNATA | 316 |
| 17-Aug-06 | 428 | Eliza Spring | Eliza Spring | RHOICOSPHENIA CURVATA | 4 |
| 17-Aug-06 | 428 | Eliza Spring | Eliza Spring | NAVICULA RADIOSA | 1 |
| 23-Nov-05 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | SYNEDRA ULNA | 36 |
| 23-Nov-05 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | NAVICULA CRYPTOTENELLA | 2 |
| 23-Nov-05 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | SYNEDRA TENERA | 13 |
| 23-Nov-05 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | PSAMMOTHIDIUM SUBATOMOIDES | 6 |
| 23-Nov-05 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | NITZSCHIA PALEACEA | 1 |
| 23-Nov-05 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | NITZSCHIA DISSIPATA | 3 |
| 23-Nov-05 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | SYNEDRA ULNA V. OXYRHYNCHUS | 13 |
| 23-Nov-05 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | ADLAFIA BRYOPHILA | 1 |
| 23-Nov-05 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | BRACHYSIRA VITREA | 15 |
| 23-Nov-05 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | CYMBELLA CISTULA | 103 |
| 23-Nov-05 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | CYMBELLA HUSTEDTII | 4 |
| 23-Nov-05 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | ENCYONEMA SILESIACUM | 13 |
| 23-Nov-05 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | ENCYONEMA EVERGLADIANUM | 9 |
| 23-Nov-05 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | NAVICULA CRYPTOCEPHALA | 3 |
| 23-Nov-05 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | PSAMMOTHIDIUM ABUNDANS F. ROSENSTOCKII | 56 |
| 23-Nov-05 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | AMPHORA PEDICULUS | 3 |
| 23-Nov-05 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | ENCYONOPSIS MICROCEPHALA | 6 |
| 23-Nov-05 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | NAVICULA MINIMA | 1 |
| 23-Nov-05 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | ACHNANTHIDIUM MINUTISSIMUM | 76 |
| 23-Nov-05 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | ACHNANTHES BIASOLETTIANA | 109 |
| 23-Nov-05 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | ACHNANTHES EXIGUA | 3 |
| 23-Nov-05 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | GOMPHONEMA MEXICANUM | 11 |
| 23-Nov-05 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | FRAGILARIA CAPUCINA | 12 |
| 23-Nov-05 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | AMPHORA VENETA | 1 |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | AMPHORA OVALIS | 2 |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | REIMERIA SINUATA | 2 |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | ACHNANTHES BIASOLETTIANA | 32 |

| SAMPLE DATE | SITE NUMBER | SITE NAME | SITE COMMENT | TAXA | Count |
|-------------|-------------|-----------------------------------|--------------|--------------------------------|-------|
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | DENTICULA KUETZINGII | 130 |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | FRAGILARIA CAPUCINA | 8 |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | STAUROSIRA CONSTRUENS | 28 |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | GOMPHONEMA AFFINE | 70 |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | TERPSINOE MUSICA | 3 |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | FRAGILARIA ULNA | 127 |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | ACHNANTHIDIUM MINUTISSIMUM | 4 |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | CYMBELLA HUSDTEDTII V STIGMATA | 2 |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | NAVICULA RECENS | 2 |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | GEISSLERIA CUMMEROWII | 2 |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | DIADESMIS CONFERVACEA | 2 |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | CYMBELLA HUSTEDTII | 1 |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | ENCYONEMA SILESIAECUM | 6 |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | NITZSCHIA AMPHIBIODES | 4 |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | ENCYONEMA EVERGLADIANUM | 4 |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | GOMPHONEMA GRACILE | 2 |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | EUNOTIA PECTINALIS | 2 |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | PSEUDOSTAUROSIRA BREVISTRIATA | 2 |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | CYMBELLA TURGIDULA | 20 |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | STAUROSIRELLA PINNATA | 18 |
| 17-Aug-06 | 2514 | Barton Springs Pool @ Shallow End | Pool Shallow | AMPHORA INARIENSIS | 27 |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | Pool Deep | GEISSLERIA CUMMEROWII | 4 |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | Pool Deep | NAVICULA SALINICOLA | 2 |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | Pool Deep | FRAGILARIA ULNA | 24 |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | Pool Deep | GOMPHONEMA AFFINE | 4 |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | Pool Deep | FRAGILARIA CAPUCINA | 40 |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | Pool Deep | DENTICULA KUETZINGII | 27 |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | Pool Deep | ENCYONOPSIS MICROCEPHALA | 16 |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | Pool Deep | ACHNANTHES BIASOLETTIANA | 112 |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | Pool Deep | STAUROSIRA CONSTRUENS | 50 |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | Pool Deep | NAVICULA KOTSCHYI | 2 |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | Pool Deep | LUTICOLA GOEPPERTIANA | 2 |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | Pool Deep | ACHNANTHIDIUM MINUTISSIMUM | 26 |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | Pool Deep | NITZSCHIA AMPHIBIA | 2 |

| SAMPLE DATE | SITE NUMBER | SITE NAME | SITE COMMENT | TAXA | Count |
|-------------|-------------|--------------------------------|--------------|-------------------------------|-------|
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | Pool Deep | CRATICULA HALOPHILA | 1 |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | Pool Deep | BRACHYSIRA VITREA | 7 |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | Pool Deep | GOMPHONEMA ANGUSTATUM | 2 |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | Pool Deep | NITZSCHIA AMPHIBIOIDES | 6 |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | Pool Deep | ENCYONEMA EVERGLADIANUM | 29 |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | Pool Deep | ENCYONEMA SILESIAECUM | 6 |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | Pool Deep | ADLAFIA BRYOPHILA | 2 |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | Pool Deep | CYMBELLA TURGIDULA | 2 |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | Pool Deep | FRAGILARIA TENERA | 2 |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | Pool Deep | PSEUDOSTAUROSIRA BREVISTRIATA | 1 |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | Pool Deep | AMPHORA INARIENSIS | 34 |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | Pool Deep | STAUROSIRELLA PINNATA | 95 |
| 17-Aug-06 | 2516 | Barton Springs Pool @ Deep End | Pool Deep | NAVICULA STROEMII | 2 |